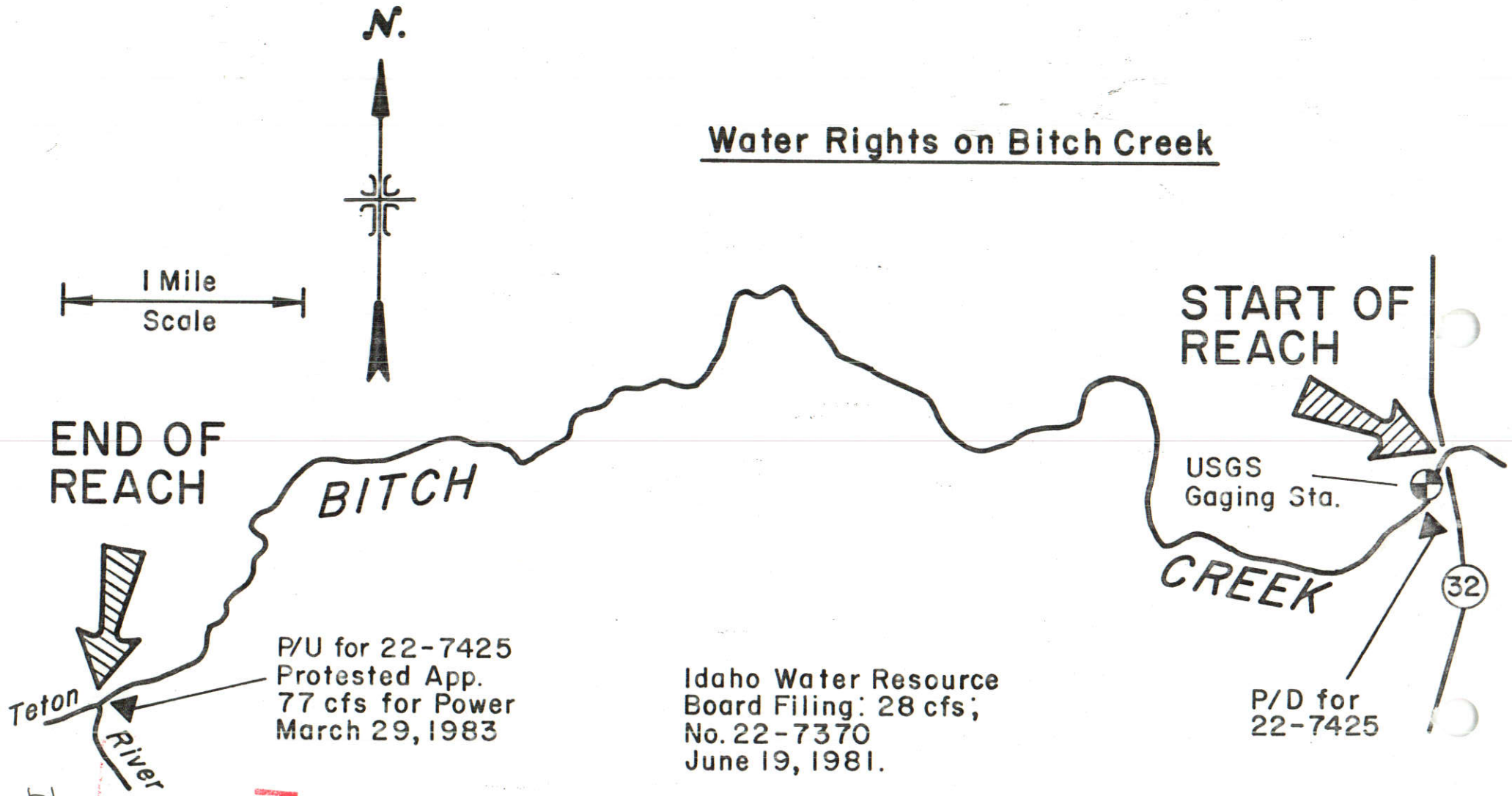
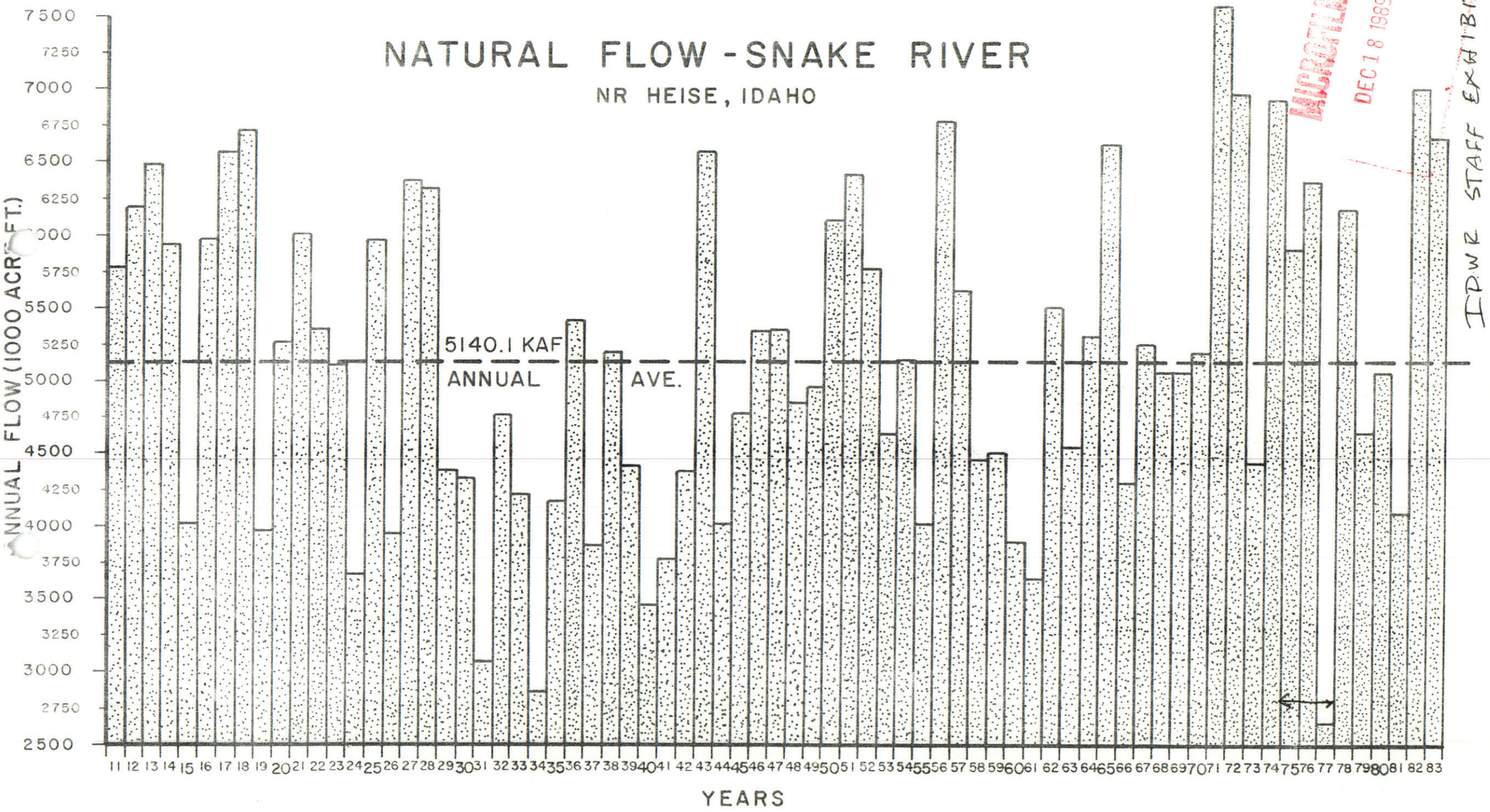
# Water Rights on Bitch Creek





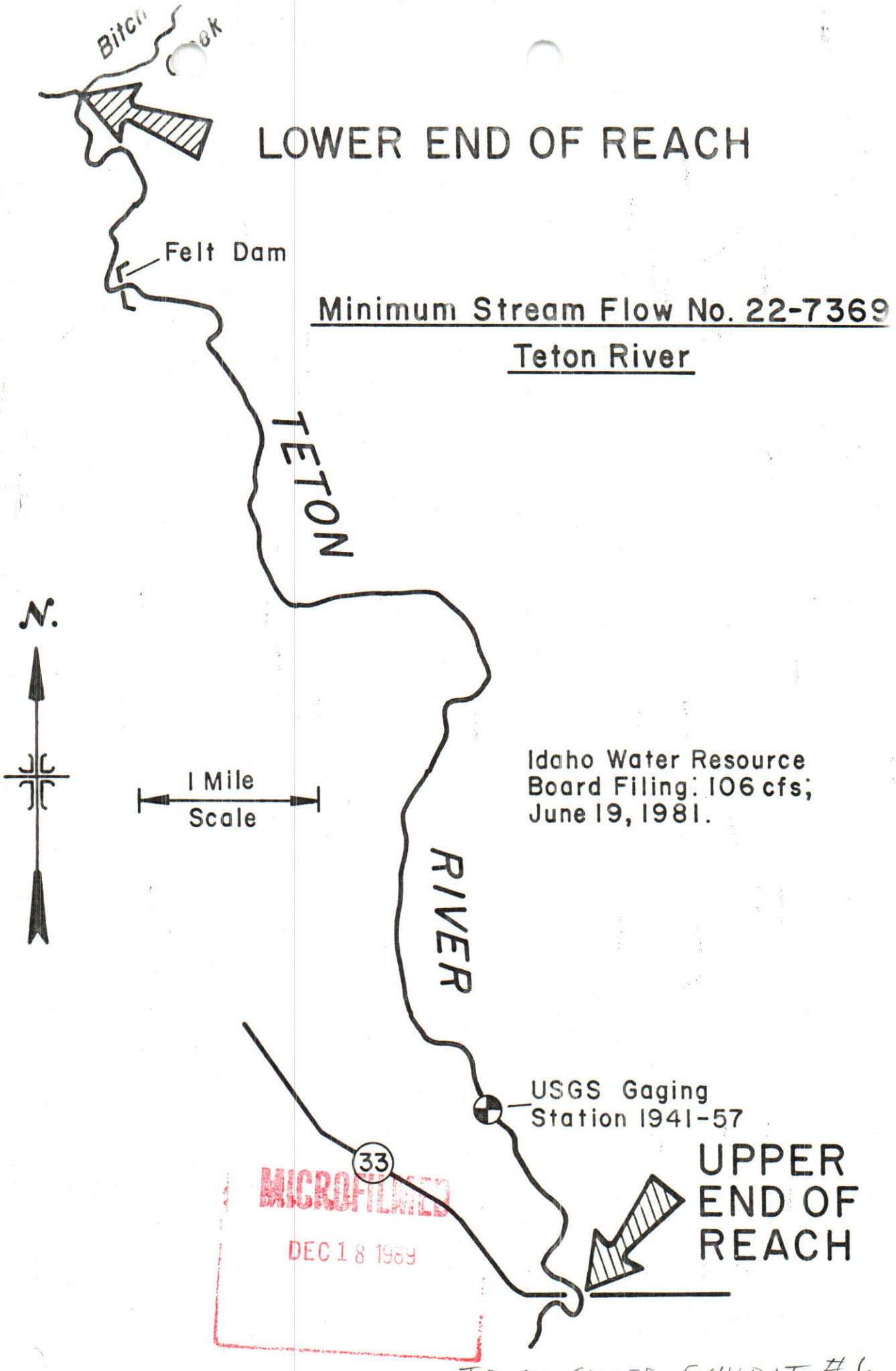
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DEC 18 1989


IDWR STAFF EXHIBIT
# 2




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DEC 18 1989

IDWR STAFF EXHIBIT #4

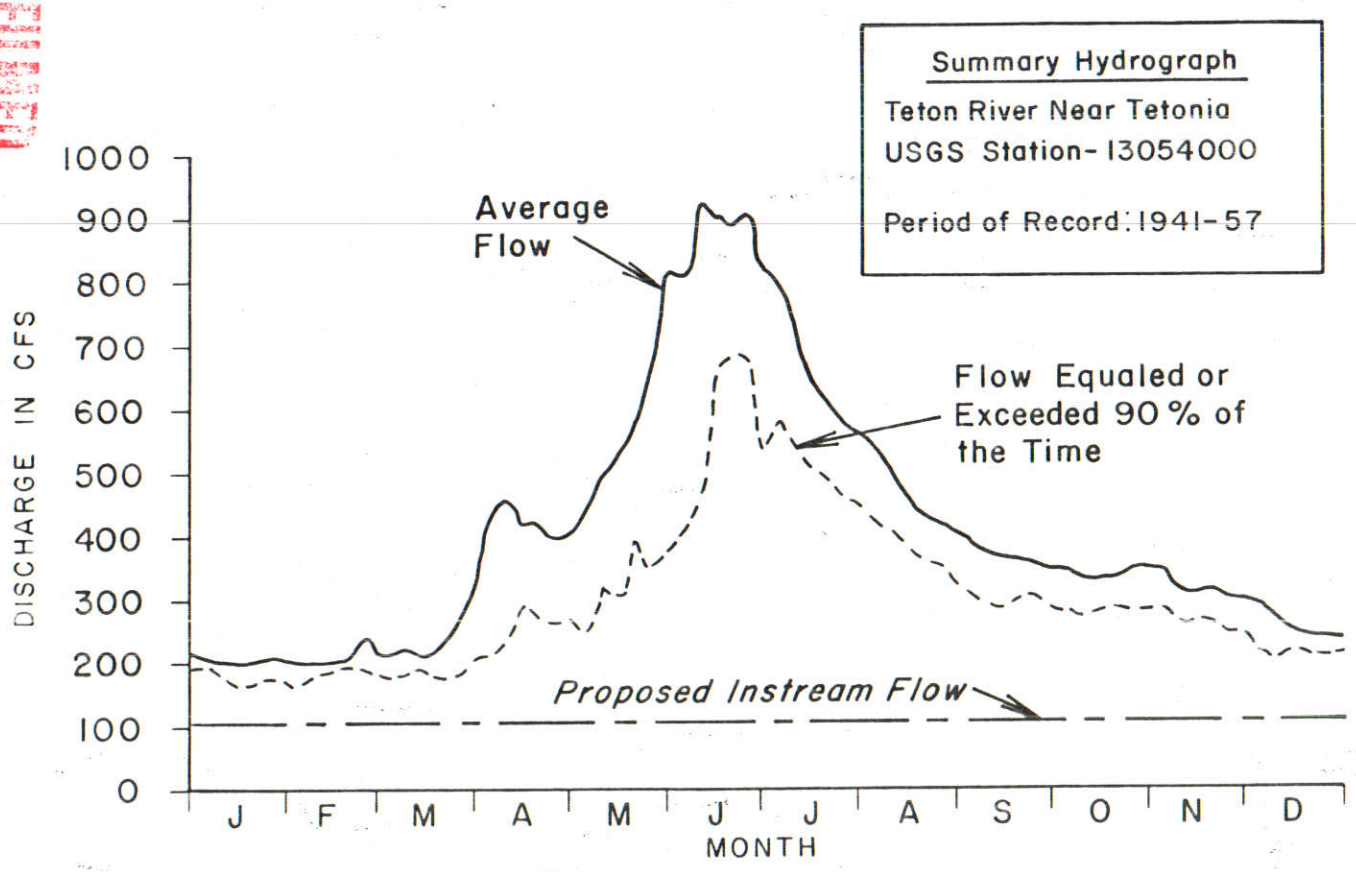


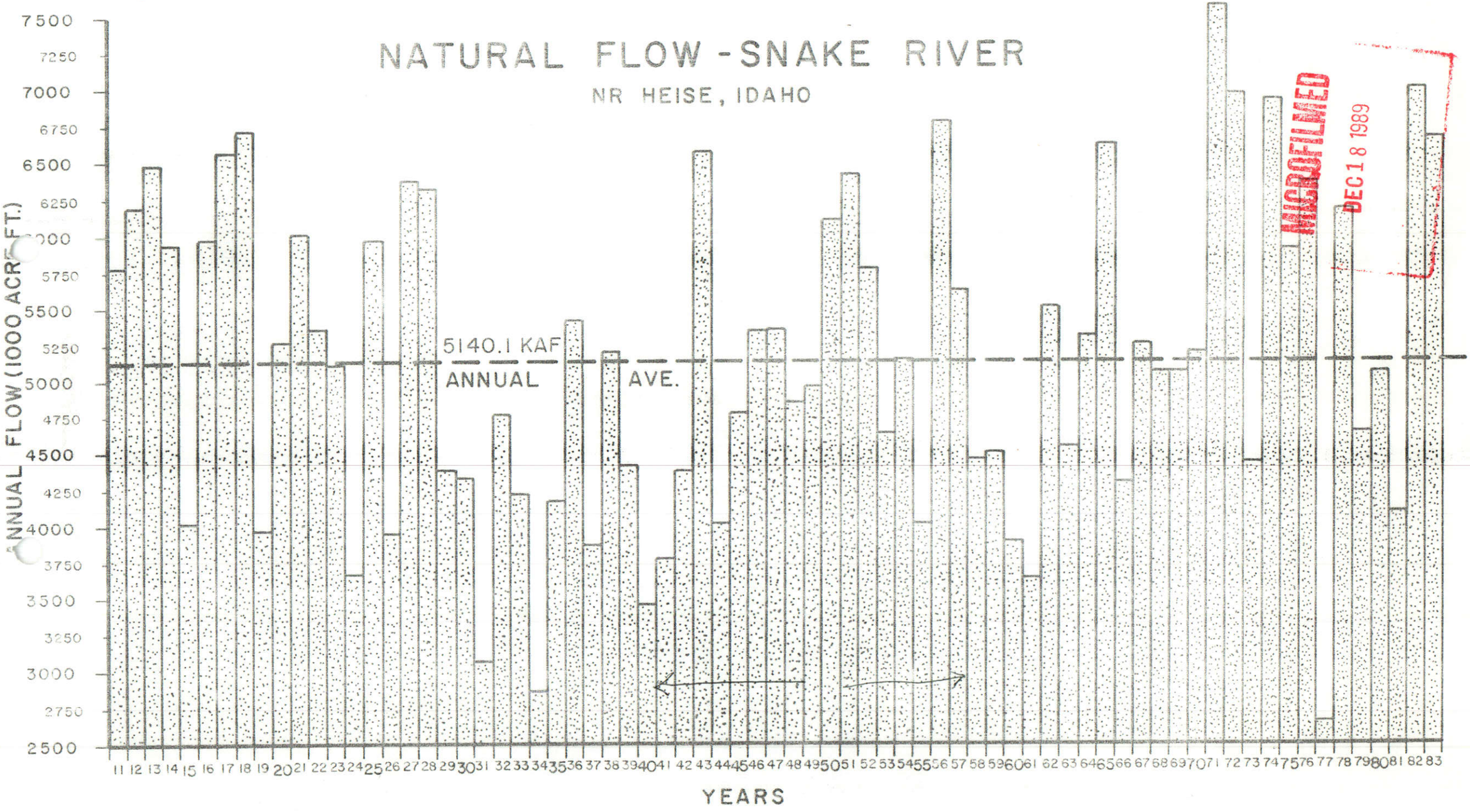

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DEC 18 1989

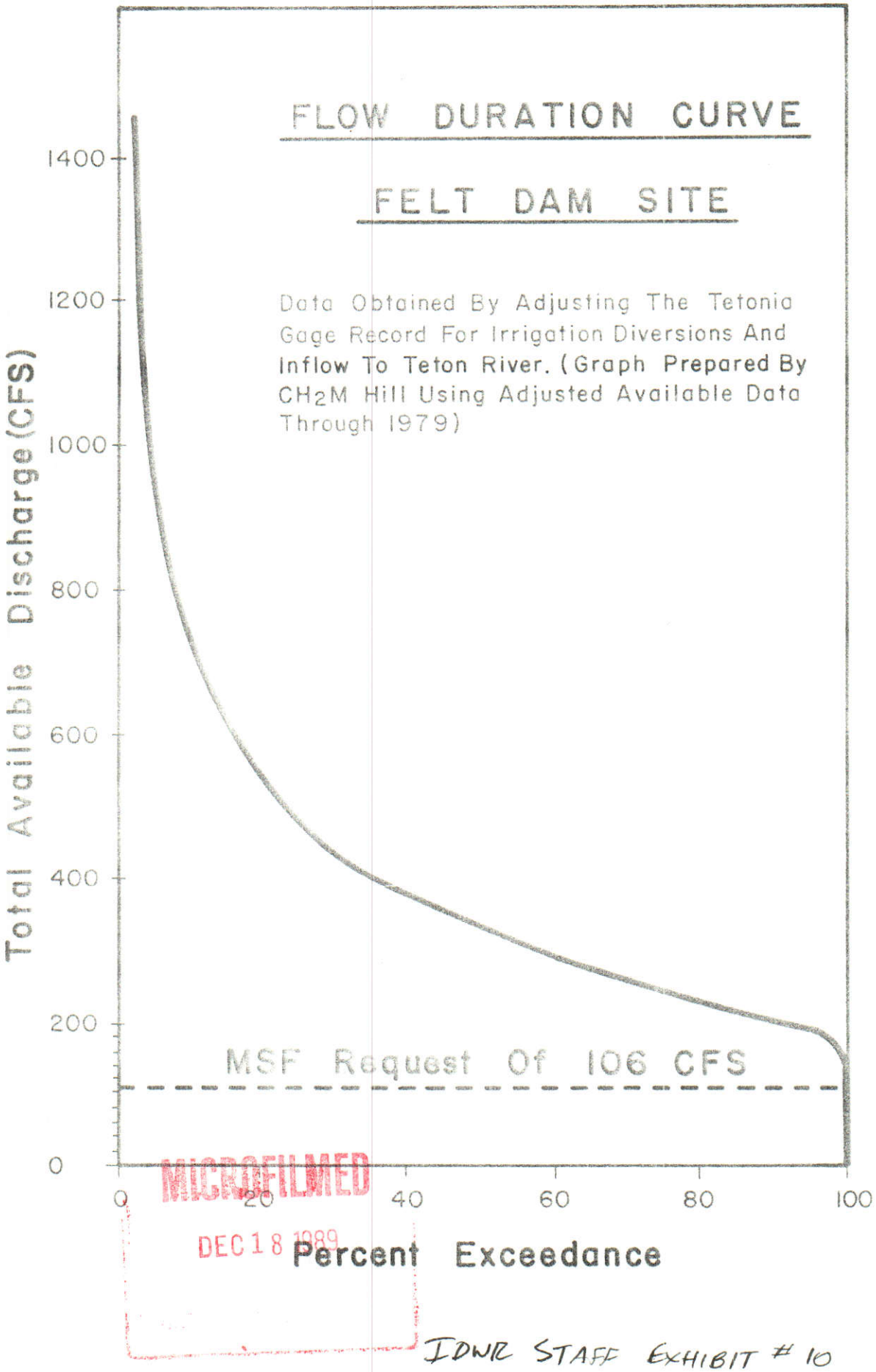
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DEC 18 1989

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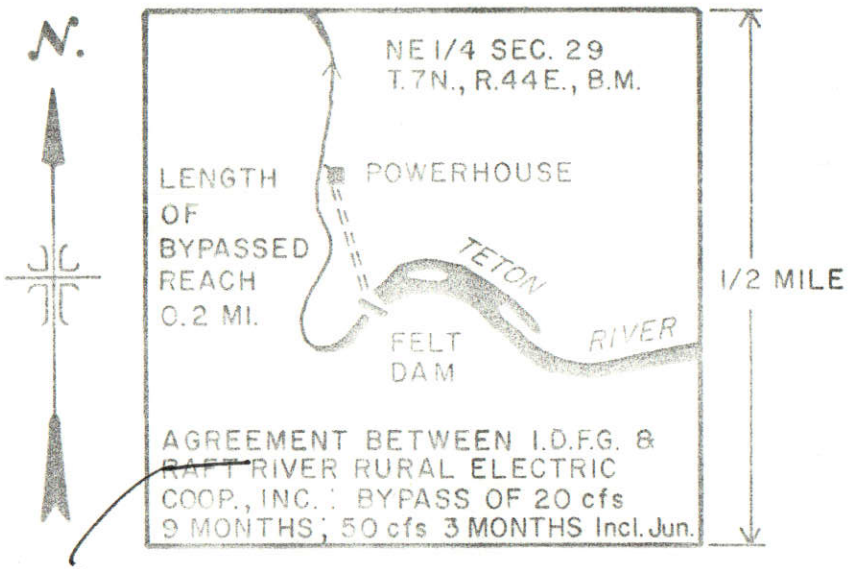



NATURAL FLOW - SNAKE RIVER
NR HEISE, IDAHO
ANNUAL FLOW (1000 ACR FT.)
7500
7250
7000
6750
6500
6250
6000
5750
5500
5250
5000
4750
4500
4250
4000
3750
3500
3250
3000
2750
2500
5140.1 KAF
ANNUAL AVE.
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83
YEARS
MODIFIED
DEC 18 1989
IDWR STAFF EXHIBIT # 8




MICROFILMED
DEC 18 1989

IDWR STAFF EXHIBIT # 10




## Felt Dam Water Rights

| No. | Priority | Stage | C.F.S. |
|---|---|---|---|
| 22-0606 | 10-01-1921 | D | 80.0 |
| 22-2123 | 11-17-1936 | L | 70.0 |
| 22-2126 | 02-02-1946 | L | 150.0 |
| 22-7351 | 03-18-1981 | P | 300.0 |
| 22-7482 | 10-03-1984 | P | 80.0 |
| | | | 680.0 |

\+ 204.0

884.0

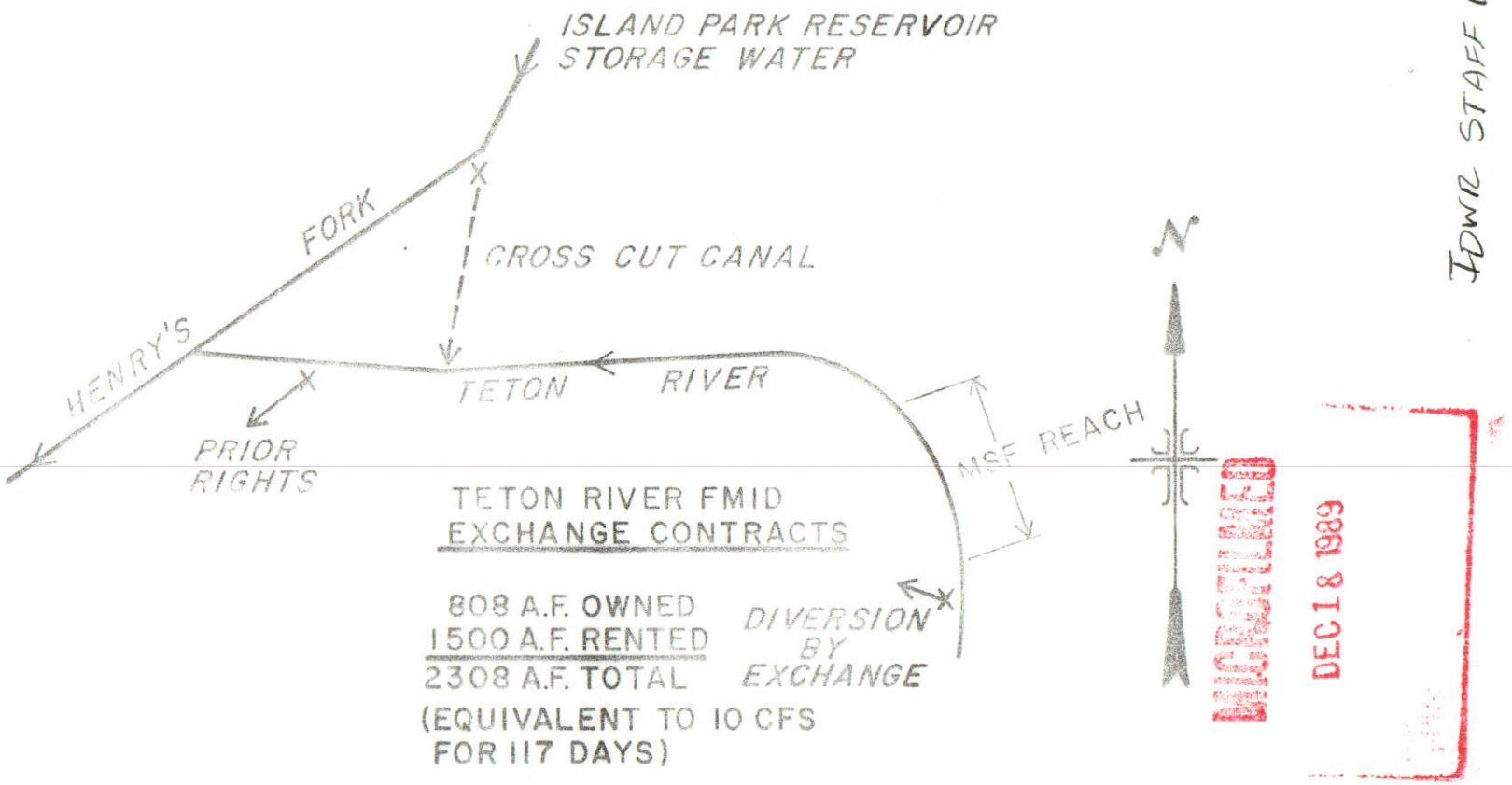
22-

} Described in Testimony

IDWR STAFF EXHIBIT #11

MICROFILMED DEC 18 1989

IDWR STAFF EXHIBIT # 12




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DEC 18 1989

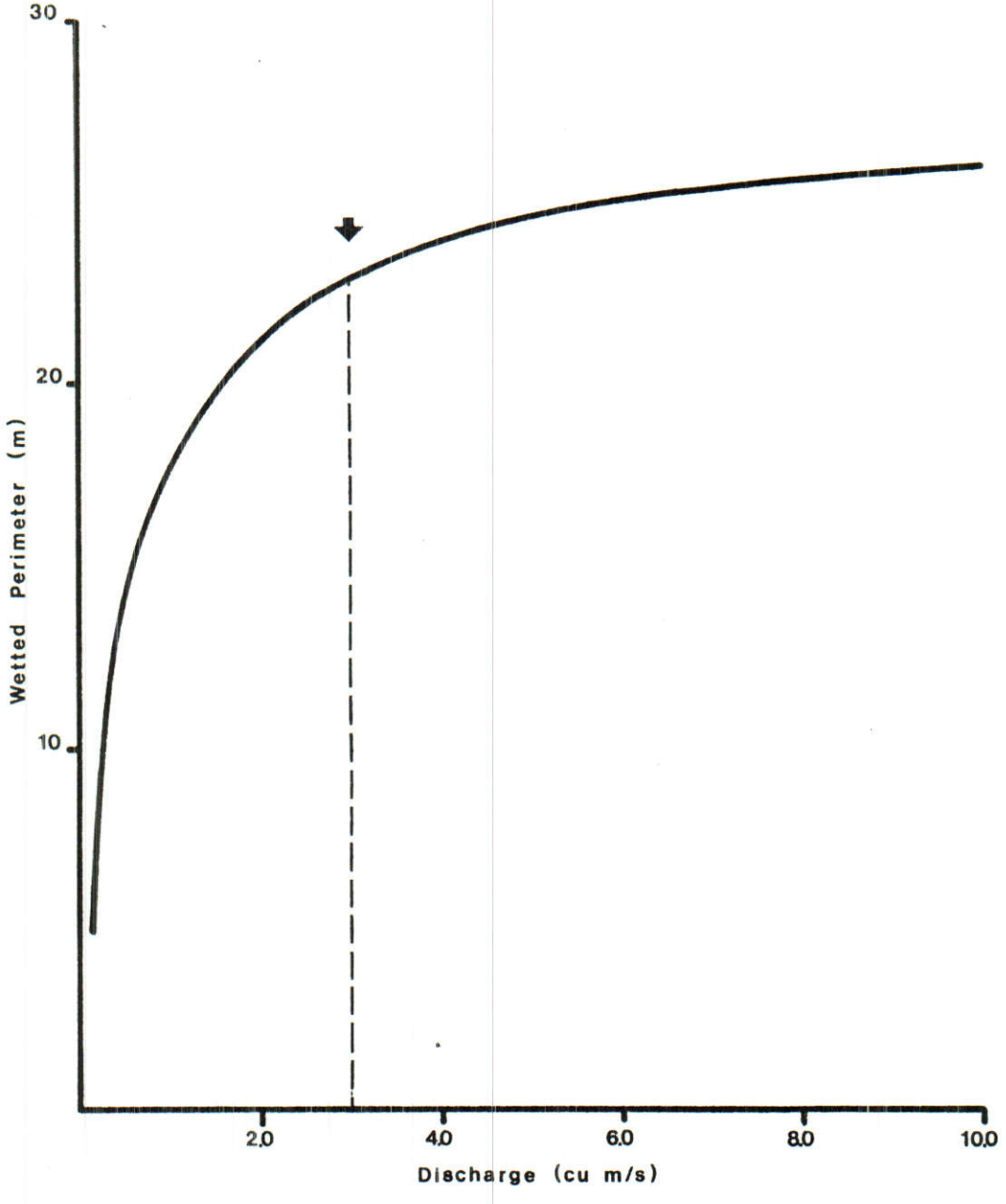
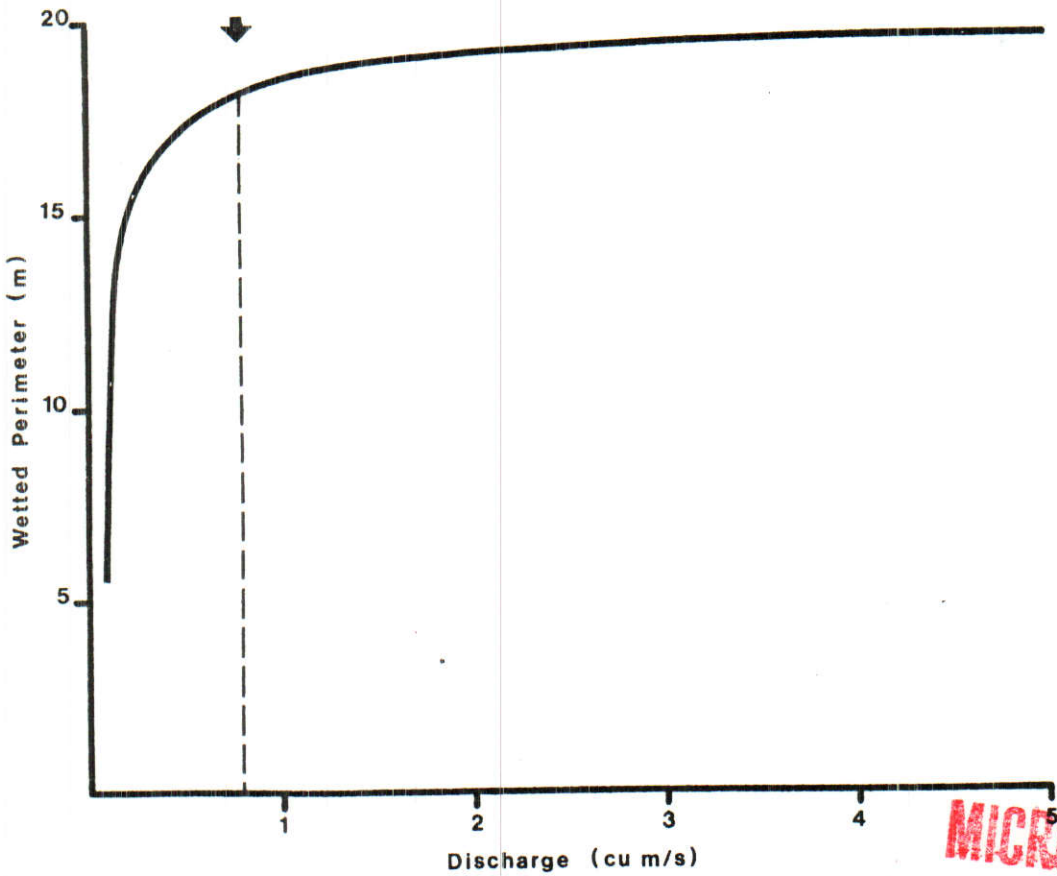



Figure 33. Rearing flow curve for Teton River downstream of Highway 33 bridge.

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DEC 18 1989

Figure 34. Rearing flow curve for Bitch Creek downstream of Highway 32 bridge.




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DEC 18 1989

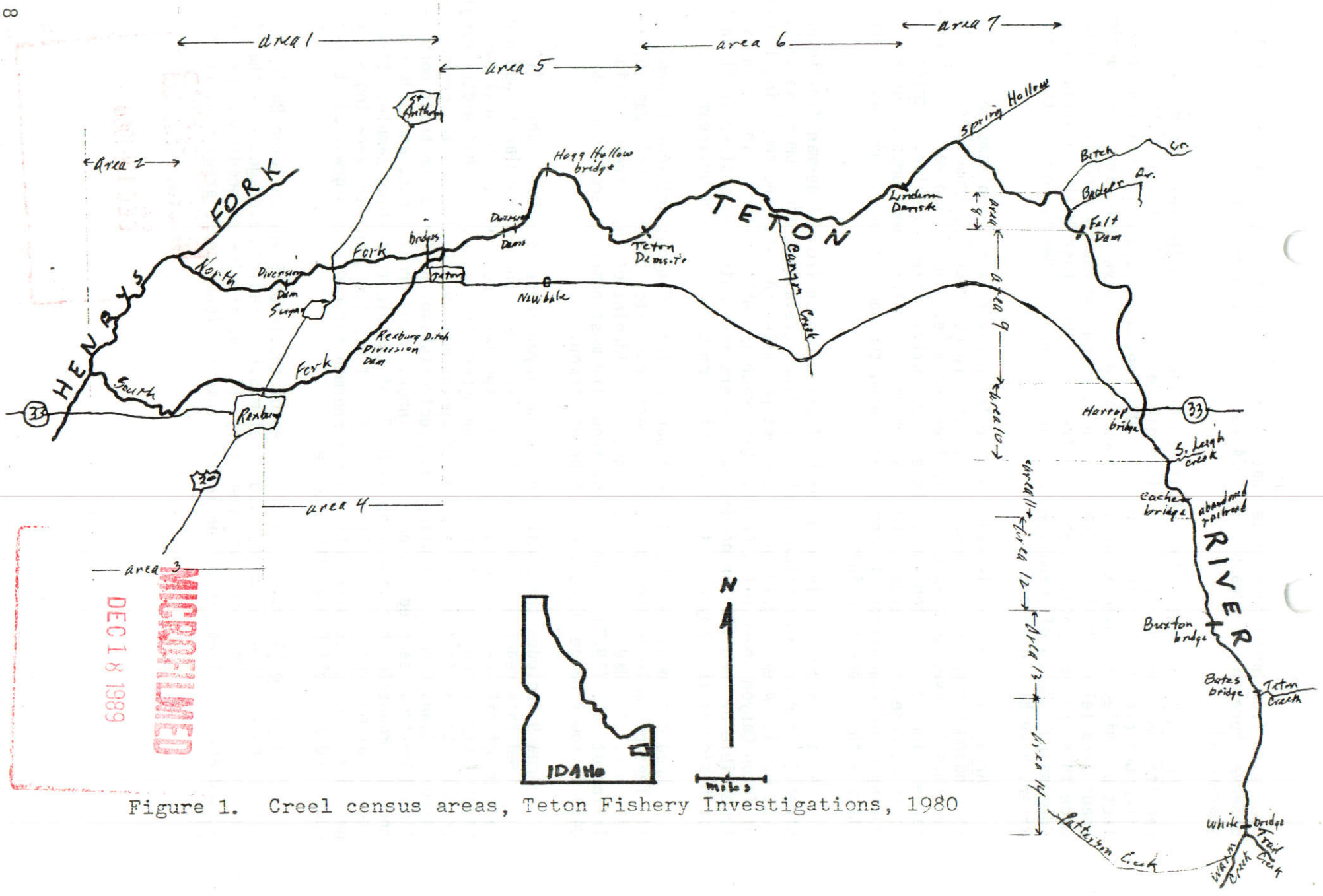
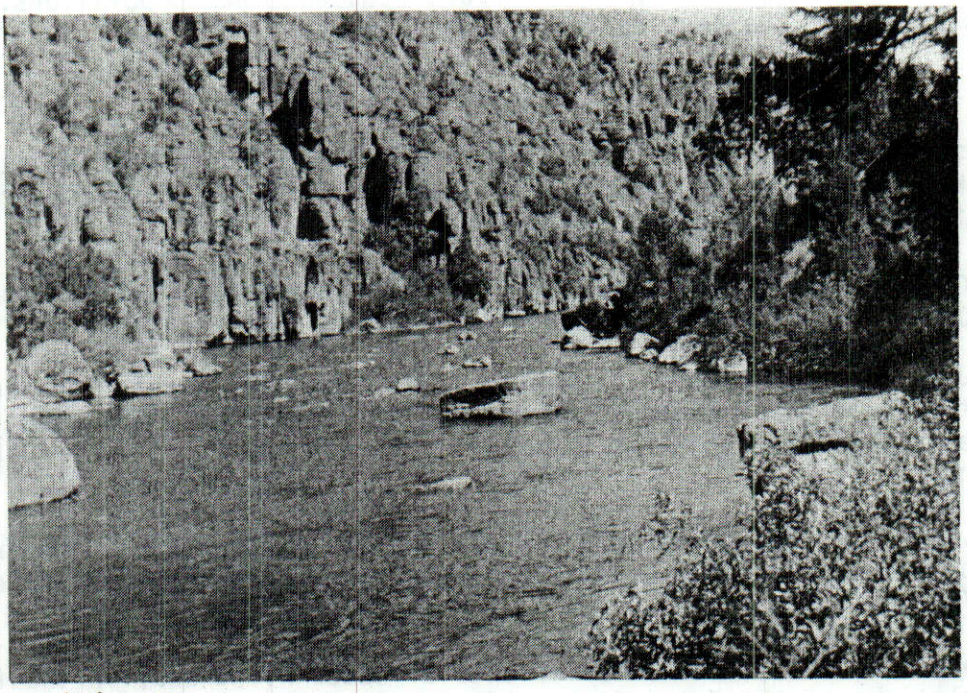
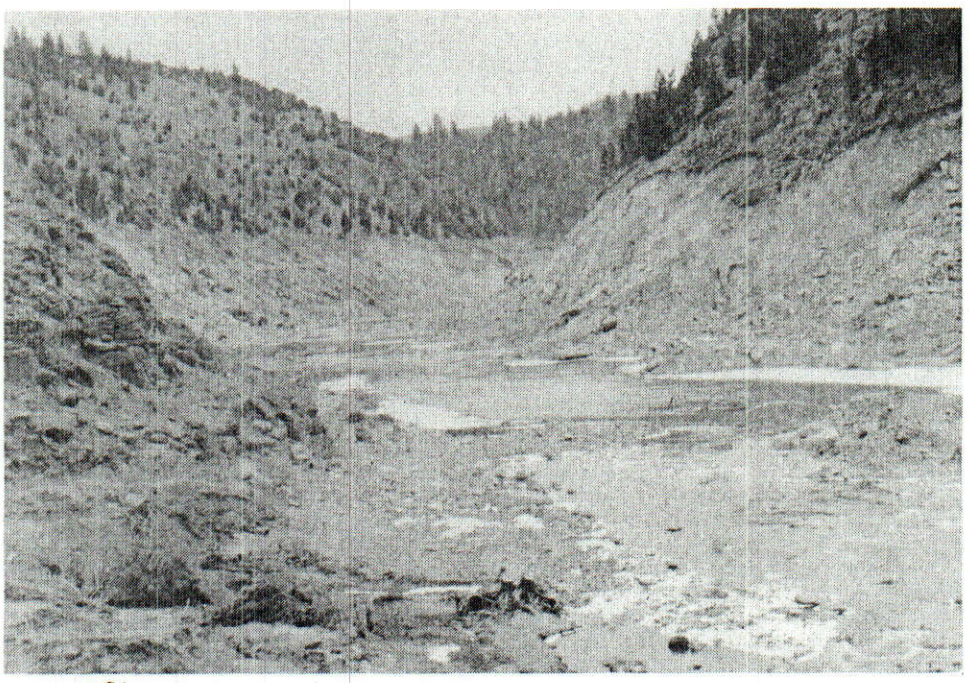



Figure 1. Creel census areas, Teton Fishery Investigations, 1980

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DEC 18 1989



26 Aug 72



29 Nov 74

Figure 2. Teton River at Spring Hollow before and after the Teton Dam failure.

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DEC 18 1989

Fish and Game
Exhibit #5
Admitted 11-21-85
DDF

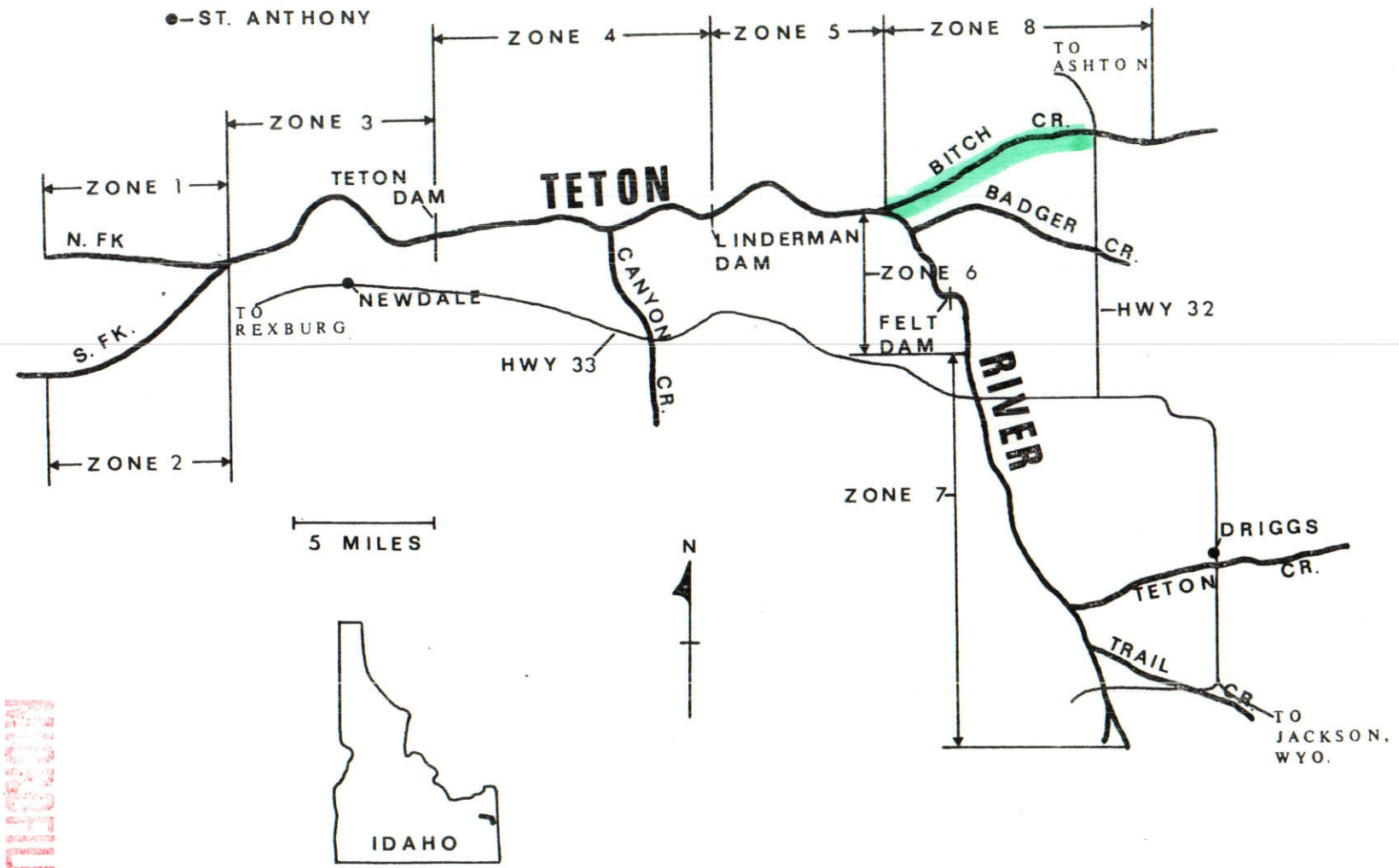



Figure 2. Teton River study area and location of zones.

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FISH AND GAME
EXHIBIT #6
Admitted 11-21-85
DDF

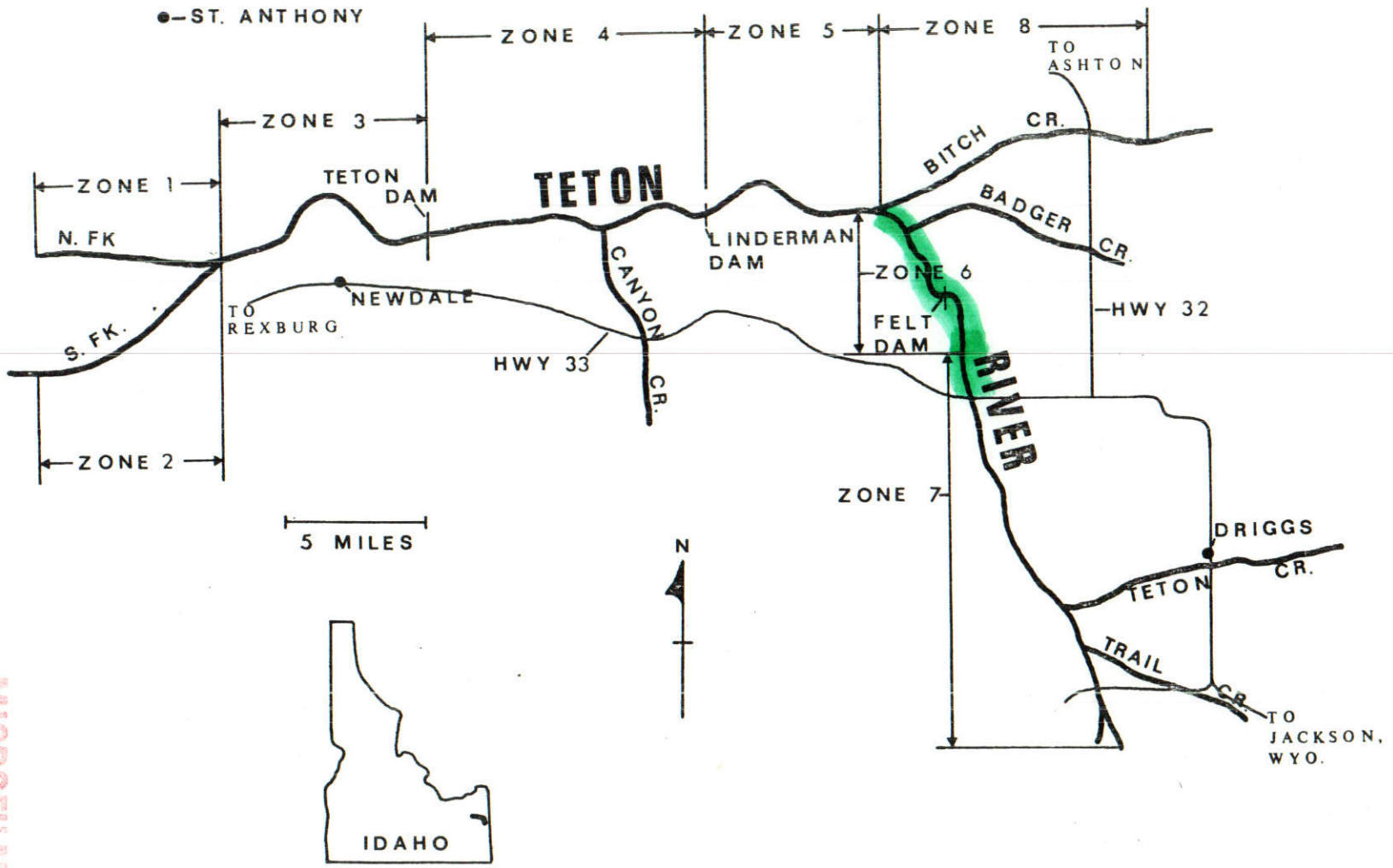
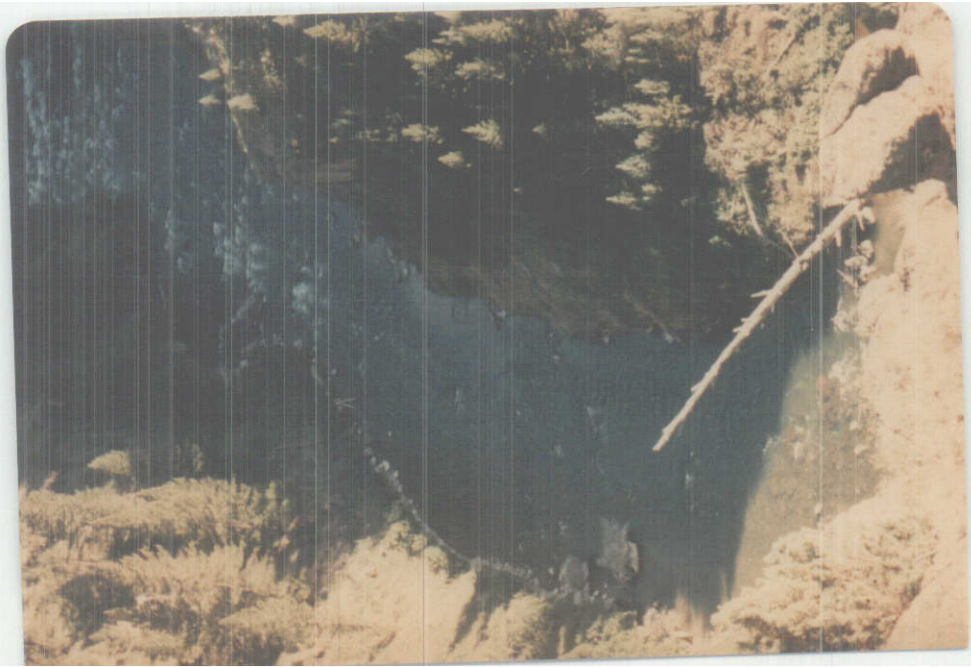
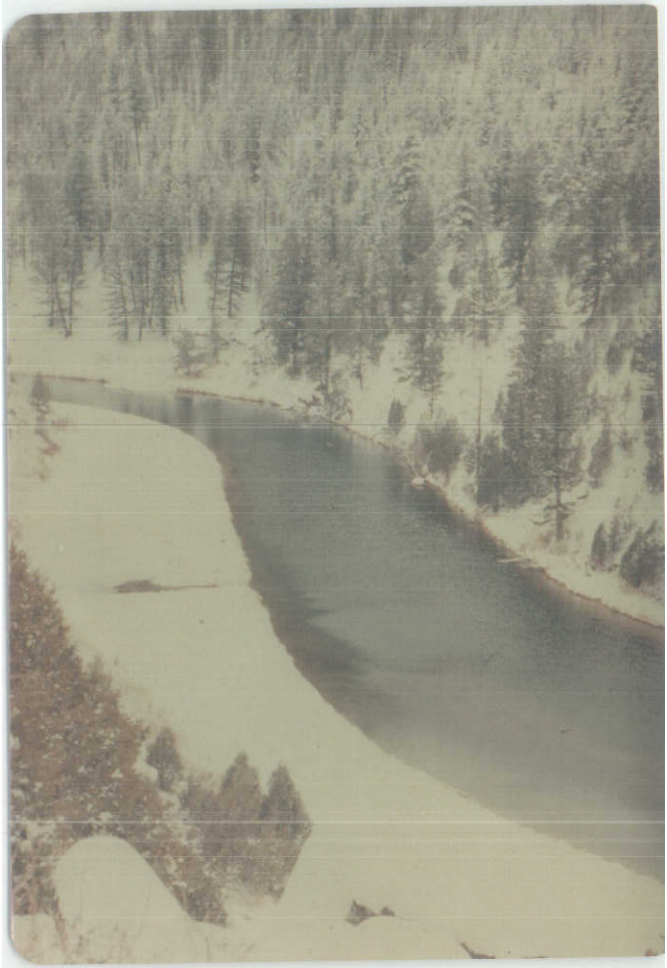



Figure 2. Teton River study area and location of zones.

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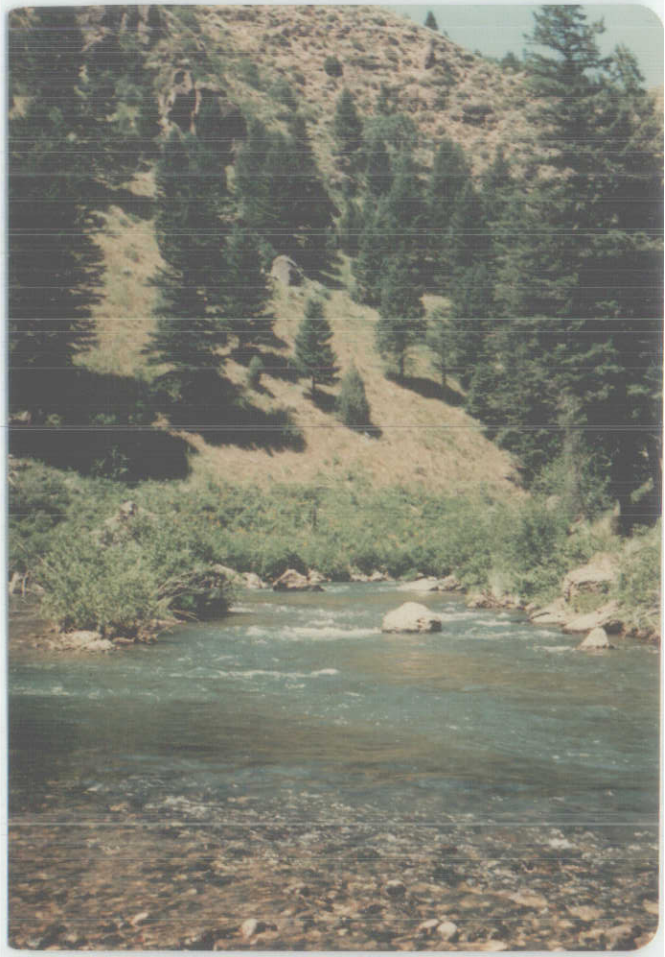





Figure 1. Location of Teton River, Idaho.

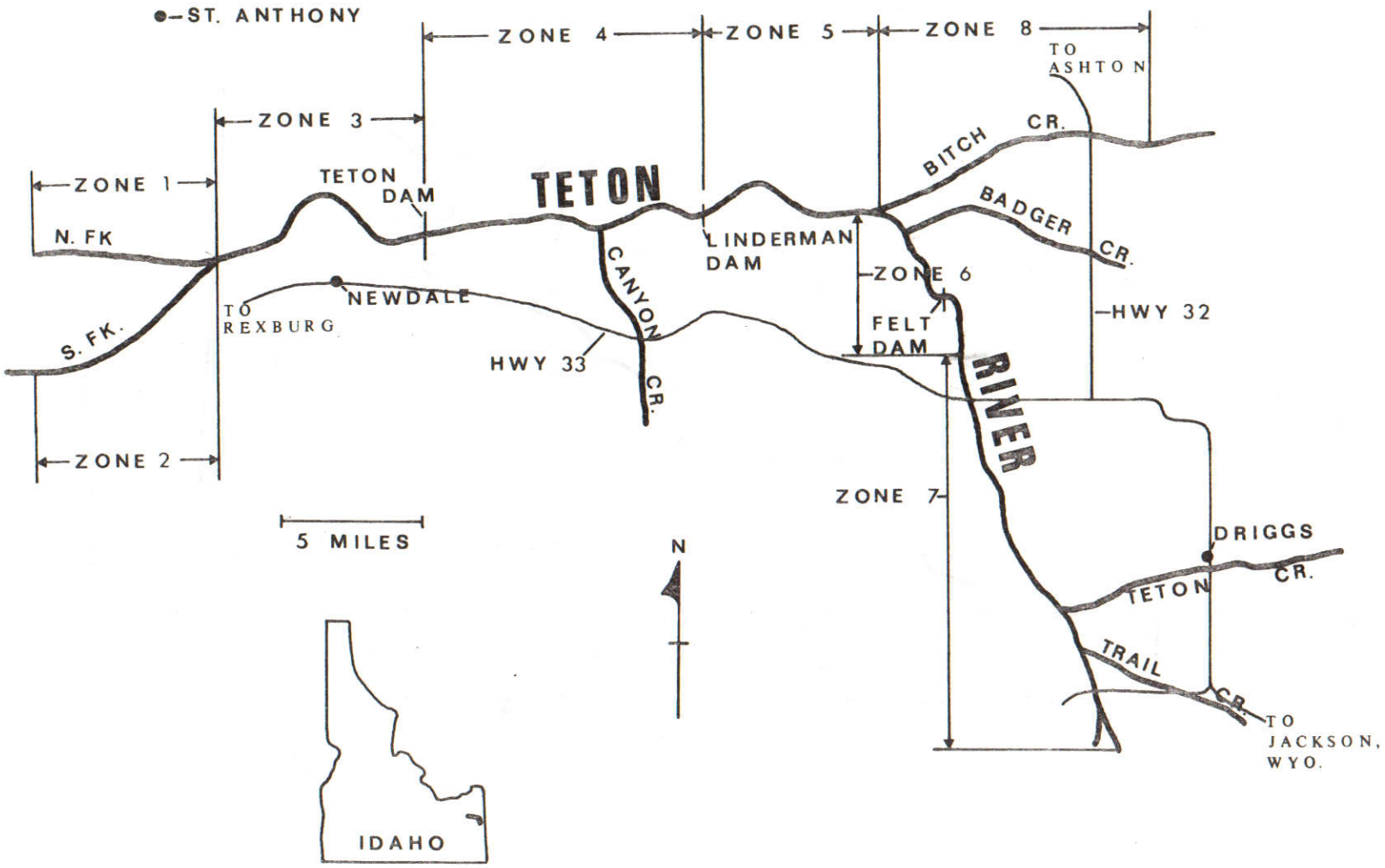



Figure 2. Teton River study area and location of zones.

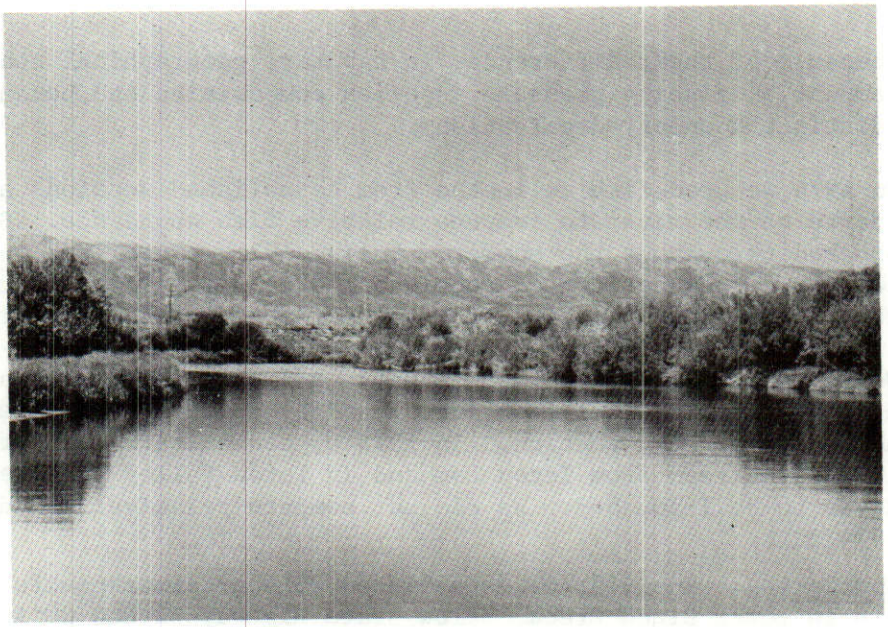


Figure 3. Typical electrofishing section showing the overhanging brush that provides cover for fish.

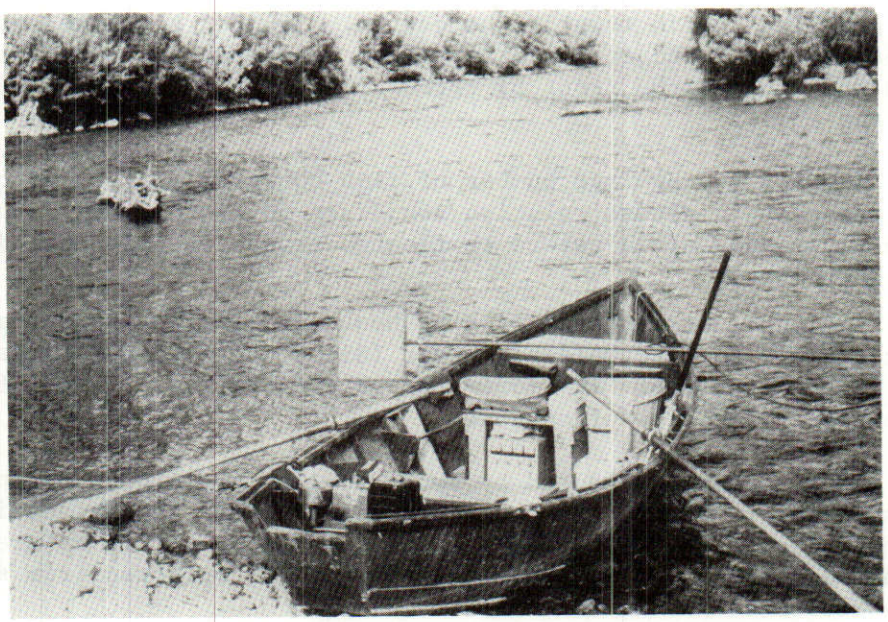


Figure 4. Drift boat and electrofishing gear used to electroshock the Teton River, 1975. The 10-foot positive electrode (net) is on the bow and the 20-foot negative electrode (cable) is attached to the left rear of the boat. The VVP unit is in the center of the boat and the Briggs and Stratton engine and generator are in the stern.

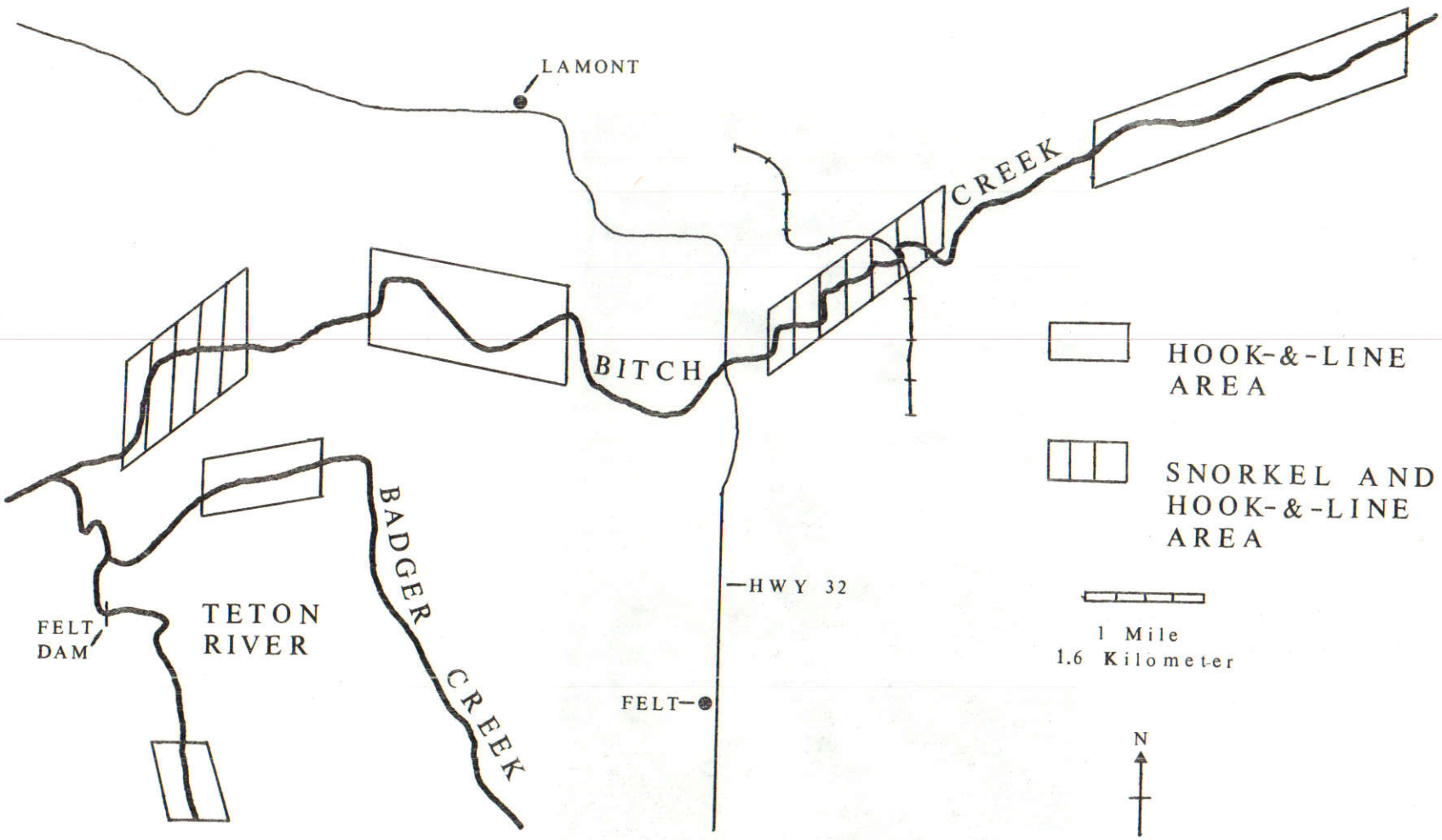
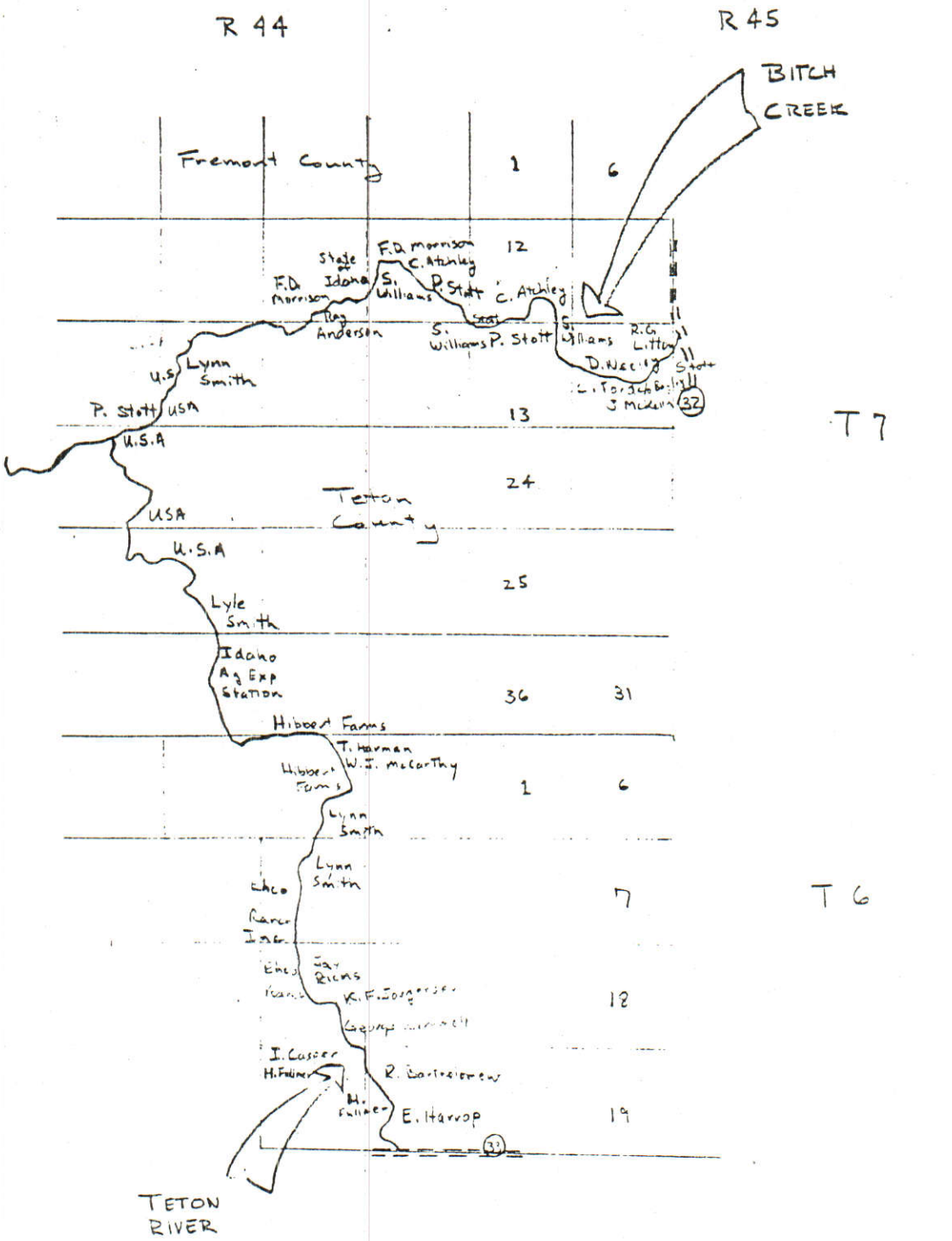



Figure 5. Snorkel transects and hook-and-line areas on the Teton River, Bitch and Badger Creeks.



Figure 6. Typical snorkel transect on lower Bitch Creek.




MICROFILMED
DEC 1 9 1989

**AFFIDAVIT OF PUBLICATION**

State of Idaho )
) ss
County of Teton )

I, Barbara Jones
being first duly sworn depose and say that I am the Sec
of the Teton Valley News, a newspaper as defined by Idaho Codes Annotated, Section 58-106, as amended, and that said newspaper is a weekly newspaper printed and published at Driggs, in Teton County, Idaho, having a general circulation in said county, and that said newspaper has been printed in said county for more that 78 consecutive weeks prior to the first publication of the attached notice, advertisement or publication of

Public Notice : Notice of Application for Minumums...

And affiant further says that said attached notice, advertisement or publication, as per clipping attached, was published in said newspaper, in the regular and entire issue thereof, and not in any supplement issure thereof, for 2 consecutive issues thereof; first publication having been made on the 13 day of August 19 81 and last publication on the 20 day of Aug., 1981

And affiant further says that at the times herein mentioned said newspaper was made up of at least eight pages of at least five columns each, printed from type matter, of at least sixteen inches deep.

Barbara Jones

Subscribed in my presence and sworn to before me this 17th day of May, 19 81

(SEAL) Notary Public for the state of Idaho, residence and postoffice address, Driggs, Idaho.

Douglas Anderson

My Commission expires

8-1-, 19 82

**PUBLIC NOTICE**

Notice is hereby given that the following application has been submitted for permit to appropriate the public waters of the State of Idaho:

**Notice of Application for Minimum Stream Flow**

Notice is hereby given that the Idaho Water Resource Board has on June 19, 1981 submitted application 22-7369 for a permit to the Department of Water Resources proposing the appropriation of 106 cubic feet per second of water within the NW¼NE¼ Sec. 20, Twp. 7N, Rge. 44E, Teton County to preserve the minimum stream flow subject to all prior water rights for maintaining the present quality of fisheries and provide adequate spawning and rearing conditions year around in Teton River tributary of Henry's Fork Snake River.

Pursuant to Title 42, Chapter 15 of the IDAHO CODE a legal notice will be published at a later date setting a time and place for a hearing during which opportunity will be provided for public comment.

A. Kenneth Dunn
Director

Published in the Teton Valley News August 13 and 20, 1981.

RECEIVED
AUG 24 1981
Department of Water Resources
Eastern District Office

MICROFILMED
DEC 1 5 1989

**AFFIDAVIT OF PUBLICATION**

State of Idaho )
) ss
County of Teton )

I, Barbara Jones
being first duly sworn depose and say that I am the Sec.
of the Teton Valley News, a newspaper as defined by Idaho Codes Annotated, Section 58-106, as amended, and that said newspaper is a weekly newspaper printed and published at Driggs, in Teton County, Idaho, having a general circulation in said county, and that said newspaper has been printed in said county for more that 78 consecutive weeks prior to the first publication of the attached notice, advertisement or publication of

Public Notice
Appl. # 22-7369

And affiant further says that said attached notice, advertisement or publication, as per clipping attached, was published in said newspaper, in the regular and entire issue thereof, and not in any supplement issure thereof, for 2 consecutive issues thereof; first publication having been made on the 13 day of Aug, 1981 and last publication on the 20 day of Aug 1981

And affiant further says that at the times herein mentioned said newspaper was made up of at least eight pages of at least five columns each, printed from type matter, of at least sixteen inches deep.

Barbara Jones

Subscribed in my presence and sworn to before me this 4th day of Sept., 1981

(SEAL) Notary Public for the state of Idaho, residence and postoffice address, Driggs, Idaho.

Douglas Andrus

My Commission expires
8-2, 1982

RECEIVED
SEP 8 1981
Department of Water Resources
Eastern District Office

**PUBLIC NOTICE**

Notice is hereby given that the following application has been submitted for permit to appropriate the public waters of the State of Idaho:

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Pursuant to Title 42, Chapter 15 of the IDAHO CODE a legal notice will be published at a later date setting a time and place for a hearing during which opportunity will be provided for public comment.

A. Kenneth Dunn
Director

Published in the Teton Valley News August 13 and 20, 1981.

MICROFILMED
DEC 15 1989

## THE CHRONICLE-NEWS

ST. ANTHONY, IDAHO

# AFFIDAVIT OF PUBLICATION

STATE OF IDAHO
County of Fremont } ss

I, Terry Weatherston,
being first duly sworn, depose and say, that I am the printer of THE CHRONICLE-NEWS, a weekly newspaper printed and published weekly at St. Anthony, Fremont County, Idaho; and I do solemnly swear that the

Notice Of Public Meeting

a copy of which notice appears attached hereto, was published in the regular and entire issue of said newspaper, and not in any supplement issue thereof for 2 consecutive issues, the first publication having been made on September 13, 1984 and the last publication having been made on September 20, 1984.

Further, that said newspaper is one of general circulation in said county; that it is a legal newspaper, conforming to legal specifications under the Idaho Statutes; that it has at least two hundred bona fide subscribers living within the county of publication; and that it has been continuously and uninteruptedly published in said county during a period of seventy-eight consecutive weeks prior to the first publication of the said notice.

Terry Weatherston

Subscribed to and sworn to before me this September 21, 1984

Joeri Garner
Notary Public.

(SEAL)

My commission expires life

### NOTICE OF PUBLIC MEETING

Notice is hereby given that an informal public meeting will be conducted by the Idaho Water Resource Board on Wednesday, September 26, 1984 at 7:30 p.m. in the Courtroom, Fremont County Courthouse, St. Anthony, Idaho to receive comments on minimum streamflow applications as follows:

No. 21-7281 proposing the appropriation of 140 cfs of water from Fall River tributary to Henry's Fork Snake River. The location of the reach is the NE¼SE¼, Sec. 14, T. 8N, R. 41E, upstream approximately 8 miles to State Highway 32 in the SE¼NW¼, Sec. 18, T. 8N, R. 43E.

No. 21-7283 proposing the appropriation of 141 cfs from Warm River tributary to Henry's Fork Snake River. The location of the reach is the NW¼NW¼, Sec. 13, T. 9N, R. 43E, upstream approximately 1/2 mile to State Highway 47 in the SW¼SE¼, Sec. 12, T. 9N, R. 43E, B.M., both in Fremont County.

On Thursday, September 27, 1984 at 7:30 p.m. in the Courtroom, Teton County Courthouse, Driggs, Idaho an additional public meeting will be held to receive comments on minimum streamflow applications as follows:

No. 22-7369 proposing the appropriation of 106 cfs from Teton River tributary to Henry's Fork Snake River. The location of the reach is the NW¼NE¼, Sec. 20, T. 7N, R. 44E, upstream approximately 9 miles to State Highway 33 in the SE¼SW¼, Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from the Bitch Creek tributary to Teton River. The location of the reach is the NW¼NE¼, Sec. 20, T. 7N, R. 44E, upstream approximately 6 miles to State Highway 32 in the NW¼NW¼, Sec. 17, T. 7N, R. 45E, B.M., both in Teton County.

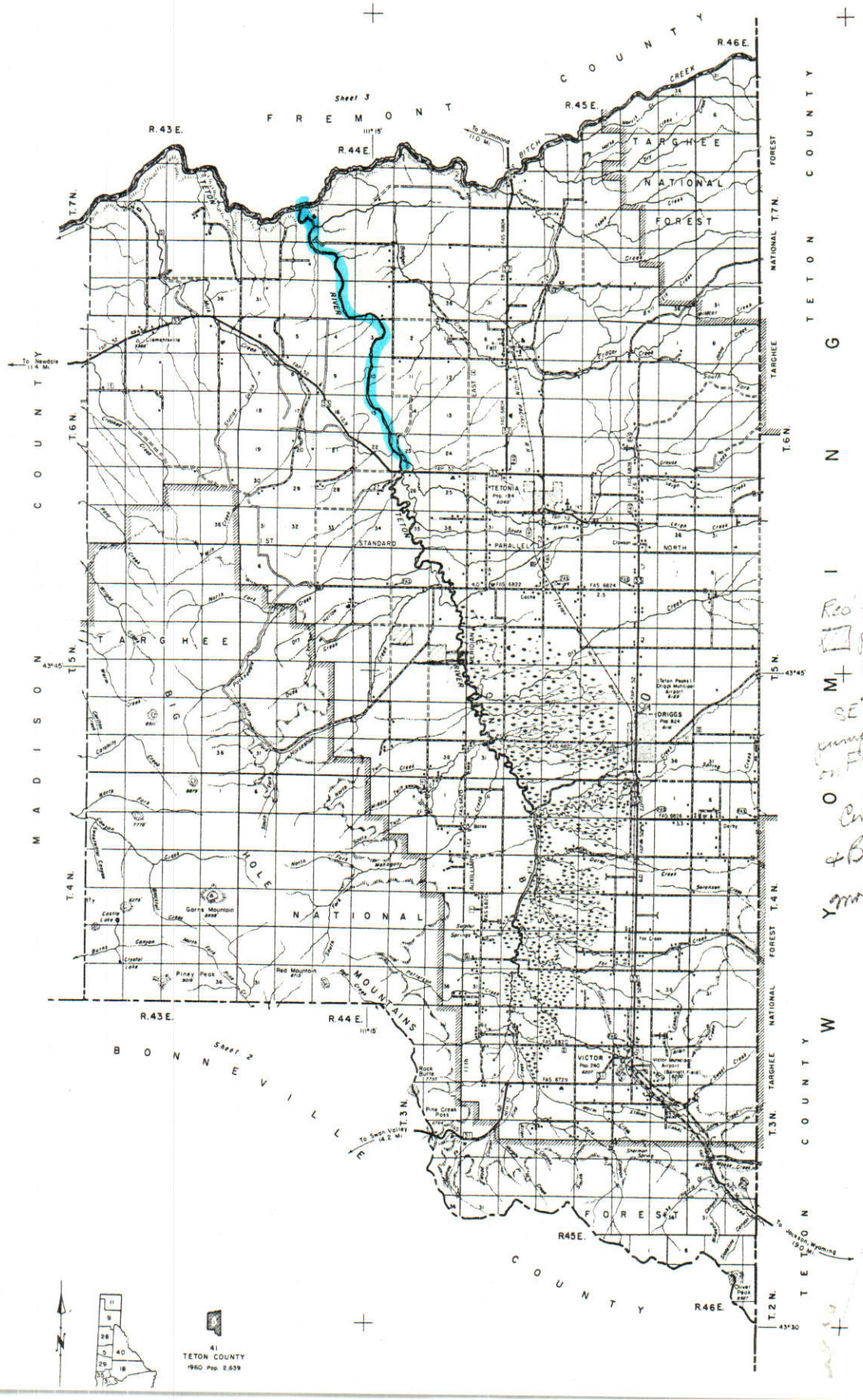
All of the above applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

A.KENNETH DUNN
Director

Publ. Sept. 13 and 20, 1984CN

RECEIVED
OCT 4 1984
Department of Water Resources
Eastern District Office

MICROFILMED
DEC 15 1989




LEGEND

GENERAL HIGHWAY MAP

# TETON COUNTY

IDAHO

41 TETON COUNTY
1960 Pop. 2,639

# Proof of Publication

# The Post-Register

RECEIVED
SEP 24 1984
Department of Water Resources
Eastern District Office

State of Idaho,
County of Bonneville } ss.

I, J. Robb Brady, first being duly sworn, depose and say: That I am the Principal Clerk of The Post Company, a corporation of Idaho Falls, Bonneville County, Idaho, publishers of The Post-Register, a newspaper of general circulation, published daily, except Saturday, at Idaho Falls, Idaho; said Post-Register being a consolidation of the Idaho Falls Times, established in the year 1890, The Idaho Register, established in the year 1880 and the Idaho Falls Post, established in 1903, such consolidation being made on the 1st day of November, 1931, and each of said newspapers having been published continuously and uninterruptedly, prior to consolidation, for more than seventy-eighty (78) weeks and said Post-Register having been published continuously and uninterruptedly from the date of such consolidation, up to and including the last publication of notice hereinafter referred to.

That the notice, of which a copy is hereto attached and made a part of this affidavit, was published in said Post-Register for two consecutive weeks, first publication having been made on the 13th day of September, 1984, last publication having been made on the 20th day of September, 1984, and that the said notice was published in the regular and entire issue of said paper on the respective dates of publication, and that such notice was published in the newspaper and not in a supplement.

J. Robb Brady

Subscribed and sworn to before me, this 21st day of September, 1984.

Clark Rapier
Notary Public

My commission expires September 30, 1984

B10, 1M,

**NOTICE OF PUBLIC MEETING**

Notice is hereby given that an informal public meeting will be conducted by the Idaho Water Resource Board on Wednesday, September 26, 1984 at 7:30 p.m. in the Courtroom, Fremont County Courthouse, St. Anthony, Idaho to receive comments on minimum streamflow applications as follows:

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No. 21-7283 proposing the appropriation of 141 cfs from Warm Rivrer tributary to Henry's Fork Snake River. The location of the reach is the NW¼NW¼, Sec. 13, T. 9N, R. 43E, upstream approximately ½ mile to State Highway 47 in the SW¼SE¼, Sec. 12, T. 9N, R. 43E, B.M., both in Fremont County.

On Thursday, September 27, 1984 at 7:30 p.m. in the Courtroom, Teton County Courthouse, Driggs, Idaho an additional public meeting will be held to receive comments on minimum streamflow applications as follows:

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All of the above applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

A. KENNETH DUNN
Director

Published: September 13, 20, 1984

MICROFILMED
DEC 15 1989

**AFFIDAVIT OF PUBLICATION**

State of Idaho }
County of Fremont } ss.

Carol Bessey

being first duly sworn, upon his oath, deposes and says:

That she is the Editor of The Ashton Herald, a newspaper as defined by Idaho Codes Annotated, section 58-106, as amended, and that said newspaper is a weekly newspaper printed and published at St. Anthony, in Fremont County, Idaho, having a general circulation in said county, and that said newspaper has been printed and published as a weekly newspaper in said county for more than 78 consecutive weeks prior to the first publication of the attached notice, advertisement or publication of .....

Notice of Public Meeting

And affiant further says that said notice, advertisement of publication, as per clipping attached, was published in said newspaper, in the regular and entire issue thereof, and not in any supplement issue thereof, for ....2..... consecutive issues thereof; first publication having been made on the 13th day of September, 19.84, and the last publication on the 20th day of September 19.84.

And affiant further says that at the times herein mentioned said newspaper was made up of at least four pages of at least five columns each, printed from type matter, of at least seventeen and three-fourths inches deep.

Carol Bessey

Subscribed in my presence and sworn to before me this 25th day of September, 19.84

Linda Sheldon

[SEAL] Notary Public for the State of Idaho, residence and post office address: ~~St. Anthony~~, Idaho. Ashton

RECEIVED
SEP 27 1984
Department of Water Resources
Eastern District Office

**NOTICE OF PUBLIC MEETING**

Notice is hereby given that an informal public meeting will be conducted by the Idaho Water Resource Board on Wednesday, Sept. 26, 1984, at 7:30 p.m. in the Courtroom, Fremont County Courthouse, St. Anthony, Idaho to receive comments on minimum streamflow applications as follows:

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On Thursday, September 27, 1984 at 7:30 p.m. in the Courtroom, Teton County Courthouse, Driggs, Idaho and additional public meeting will be held to receive comments on minimum streamflow applications as follows:

No. 22-7369 proposing the appropriation of 106 cfs from the Teton River tributary to Henry's Fork Snake River. The location of the reach is the NW¼NE¼, Sec. 20, T. 7N, R. 44E, upstream approximately 9 miles to State Highway 33 in the SE¼SW¼, Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from Bitch Creek tributary to Teton River. The location of the reach is the NW¼NE¼, Sec. 20, T. 7N, R. 44E, upstream approximately 6 miles to State Highway 32 in the NW¼NW¼, Sec. 17, T. 7N, R. 45E, B.M., both in Teton County.

All of the above applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

A. KENNETH DUNN
Director

Publ. Sept. 13 and 20, 1984AH

MICROFILMED
DEC 19 1989

STATE OF IDAHO )
) ss.
COUNTY OF ADA )

Laura Gay Barnes, being duly sworn, deposes and says: That she is the Principal Clerk of The Idaho Statesman, a daily newspaper printed and published at Boise, Ada County, State of Idaho, and having a general circulation therein and which said newspaper has been continuously and uninterruptedly published in said County during a period of twelve consecutive months prior to the first publication of the notice, a copy of which is attached hereto; that said notice was published in The Idaho Statesman in conformity with Section 60-108, Idaho Code as amended, for Two (2) consecutive weekly insertions beginning with the issue of October 17, 1985, and ending with the issue of October 24, 1985.

Laura Gay Barnes

Subscribed and sworn to before me this 24th day of October, 1985.

Jeanne M Hawke

Notary Public for Idaho, Residing at Boise, Idaho.

**LEGAL NOTICE**

Notice is hereby given that the following applications have been submitted for permit to appropriate the public waters of the State of Idaho:

NOTICE OF APPLICATION FOR MINIMUM STREAM FLOW

Notice is hereby given that the Idaho Water Resource Board has, on June 19, 1981, submitted the following applications for permits to the Department of Water Resources:

No. 22-7369, proposing the appropriation of 106 cfs of water from the Teton River tributary to Henry's Fork Snake River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E., upstream approximately 9 miles to State Highway 33 in the SESW, Sec. 23, T. 6N., R. 44E.

No. 22-7370, proposing the appropriation of 28 cfs from Bitch Creek tributary to Teton River. The location of the reach is the NWNE, Sec. 20, T. 7N., R. 44E., upstream approximately 6 miles to State Highway 32 in the NWNW, Sec. 17, T. 7N., R. 45E., B.M., both in Teton County.

The applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

The Director of the Department of Water Resources will hold a public hearing on the applications in the Courtroom, Teton County Courthouse, Driggs, Idaho at 9:30 a.m., November 21, 1985, for the purpose of hearing evidence in regard to the applications. The hearing will be held pursuant to the provision of *Section 42-1503, Idaho Code.*

Any party who wishes to formally appear at this proceeding for the purpose of presenting evidence or cross examining witnesses should file a notice of appearance with the Director of the Department of Water Resources, Statehouse, Boise, Idaho, five (5) days prior to the hearing. Other parties will be given an opportunity to informally present their views and comments without the necessity of filing a notice of appearance.

If issued, the permit will be subject to all prior water rights.

A. KENNETH DUNN
Director

Pub. Oct. 17, 24, 1985 9360

MICROFILMED
DEC 1 5 1989

RECEIVED
OCT. 25 1985
Department of Water Resources
Eastern District Office

# Affidavit of Publication

STATE OF IDAHO, }
COUNTY OF TWIN FALLS } ss.

№ 15582

I, Linda Copps McGuire being first duly sworn upon oath, depose and say that I am Print Clerk of the TIMES-NEWS, published daily, at Twin Falls, Idaho, and do solemnly swear that a copy of the notice of advertisement, as per clipping attached, was published in the regular and entire issue of said newspaper, and not in any supplement thereof, for Two consecutive Weeks, commencing with the issue dated October 17, 1985, and ending with the issue dated October 24, 1985.

MICROFILMED
DEC 15 1985

And I do further certify that said newspaper is a consolidation, effective February 16, 1942, of the Idaho Evening Times, published theretofore daily except Sunday, and the Twin Falls News, published theretofore daily except Monday, both of which newspapers prior to consolidation had been published under said names in said city and county continuously and uninterruptedly during a period of more than twelve consecutive months, and said TIMES-NEWS, since such consolidation, has been published as a daily newspaper except Saturday, until July 31, 1978, at which time said newspaper began daily publication under said name in said city and county continuously and uninterruptedly.

And I further certify that pursuant to Section 60-108 Idaho Code, Thursday of each week has been designated as the day on which legal notice by law or by order of any court of competent jurisdiction within the state of Idaho, to be published weekly, will be published; and that at the head of the editorial column of said combined newspapers, and in each issue thereof, Thursday is announced as the day on which said legal notices will be published.

Linda Copps McGuire

Subscribed and sworn to before me on this 24 day of October, 1985

Deanna Bruce

Notary Public in and for the County of Twin Falls, State of Idaho, residing at Twin Falls, Idaho

Lego

**LEGAL NOTICE**

**LEGAL NOTICE**

Notice is hereby given that the following applications have been submitted for permit to appropriate the public waters of the State of Idaho:

NOTICE OF APPLICATION FOR MINIMUM STREAM FLOW

Notice is hereby given that the Idaho Water Resource Board has on June 19, 1981 submitted the following applications for permits to the Department of Water Resources:

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The applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

The Director of the Department of Water Resources will hold a public hearing on the applications in the Courtroom, Teton County Courthouse, Driggs, Idaho at 9:30 a.m. November 21, 1985, for the purpose of hearing evidence in regard to the applications. The hearing will be held pursuant to the provision of Section 42-1503, Idaho Code.

Any party who wishes to formally appear at this proceeding for the purpose of presenting evidence or cross examining witnesses should file a notice of appearance with the Director of the Department of Water Resources, Statehouse, Boise, Idaho, five (5) days prior to the hearing. Other parties will be given an opportunity to informally present their views and comments without the necessity of filing a notice of appearance.

If issued the permit will be subject to all prior water rights.

A. KENNETH DUNN
Director

PUBLISH: **Thursday**, October 17 and 24, 1985.

# Proof of Publication
# The Post-Register

RECEIVED
OCT 28 1985
Department of Water Resources
Eastern District Office

State of Idaho,
County of Bonneville } ss.

I, J. Robb Brady, first being duly sworn, depose and say: That I am the Principal Clerk of The Post Company, a corporation of Idaho Falls, Bonneville County, Idaho, publishers of The Post-Register, a newspaper of general circulation, published daily, except Saturday, at Idaho Falls, Idaho; said Post-Register being a consolidation of the Idaho Falls Times, established in the year 1890, The Idaho Register, established in the year 1880 and the Idaho Falls Post, established in 1903, such consolidation being made on the 1st day of November, 1931, and each of said newspapers having been published continuously and uninterruptedly, prior to consolidation, for more than seventy-eighty (78) weeks and said Post-Register having been published continuously and uninterruptedly from the date of such consolidation, up to and including the last publication of notice hereinafter referred to.

That the notice, of which a copy is hereto attached and made a part of this affidavit, was published in said Post-Register for two consecutive weeks, first publication having been made on the 17th day of October, 19 85, last publication having been made on the 24th day of October, 19 85, and that the said notice was published in the regular and entire issue of said paper on the respective dates of publication, and that such notice was published in the newspaper and not in a supplement.

J. Robb Brady

Subscribed and sworn to before me, this 24th day of October, 19 85

Clerk Napier
Notary Public

My commission expires September 30, , 19 88

B10, 1M,

**LEGAL NOTICE**

Notice is hereby given that the following applications have been submitted for permit to appropriate the public waters of the State of Idaho:

NOTICE OF APPLICATION
FOR MINIMUM STREAM FLOW

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The applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

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Any party who wishes to formally appear at this proceeding for the purpose of presenting evidence or cross examining witnesses should file a notice of appearance with the Director of the Department of Water Resources, Statehouse, Boise, Idaho, five (5) days prior to the hearing. Other parties will be given an opportunity to informally present their views and comments without the necessity of filing a notice of appearance.

If issued the permit will be subject to all prior water rights.

A. KENNETH DUNN
Director

Published: October 17, 24, 1985

MICROFILMED
DEC 1 0 1985

# AFFIDAVIT OF PUBLICATION

State of Idaho }
County of Fremont } ss.

Helen H. Hruska

being first duly sworn, upon ~~his~~ her oath, deposes and says:

That She is the Business Clerk of The Ashton Herald, a newspaper as defined by Idaho Codes Annotated, section 58-106, as amended, and that said newspaper is a weekly newspaper printed and published at St. Anthony, in Fremont County, Idaho, having a general circulation in said county, and that said newspaper has been printed and published as a weekly newspaper in said county for more than 78 consecutive weeks prior to the first publication of the attached notice, advertisement or publication of .....

Notice of Public Hearing Teton County

And affiant further says that said notice, advertisement of publication, as per clipping attached, was published in said newspaper, in the regular and entire issue thereof, and not in any supplement issue thereof, for ...2..... consecutive issues thereof; first publication having been made on the .17th..... day of ..October....., 1985., and the last publication on the 24th day of..October..... 1985..

And affiant further says that at the times herein mentioned said newspaper was made up of at least four pages of at least five columns each, printed from type matter, of at least seventeen and three-fourths inches deep.

Helen H. Hruska

Subscribed in my presence and sworn to before me this ..29th..... day of ..October....., 19.85

James E. Holcomb

[SEAL] Notary Public for the State of Idaho, residence and post office address: ~~St. Anthony,~~ Ashton Idaho.

RECEIVED
OCT 30 1985
Department of Water Resources
Eastern District Office

**LEGAL NOTICE**

Notice is hereby given that the following applications have been submitted for permit to appropriate the public waters of the State of Idaho:

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FOR MINIMUM STREAM FLOW

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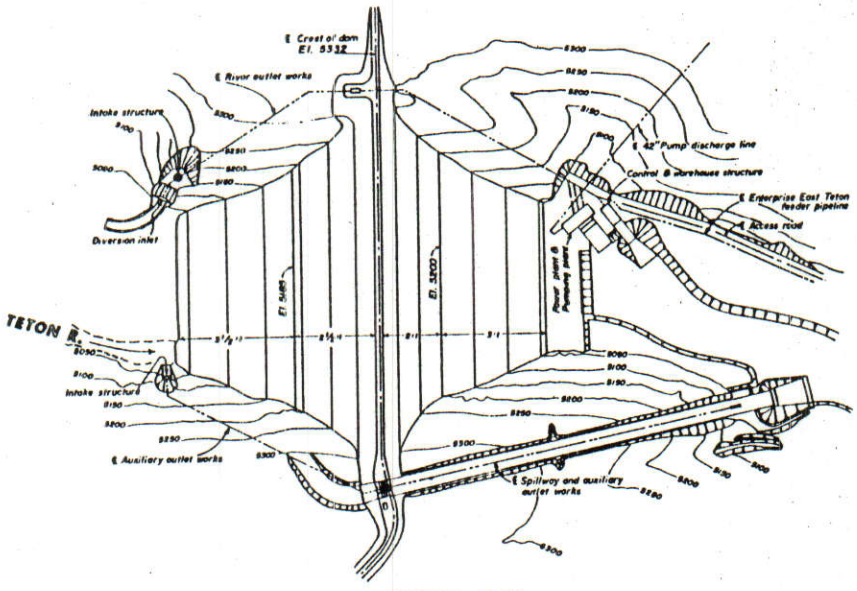
Any party who wishes to formally appear at this proceeding for the purpose of presenting evidence or cross examining witnesses should file a notice of appearance with the Director of the Department of Water Resources, Statehouse, Boise, Idaho, five (5) days prior to the hearing. Other parties will be given an opportunity to informally present their views and comments without the necessity of filing a notice of appearance.

If issued the permit will be subject to all prior water rights.

A. KENNETH DUNN
Director

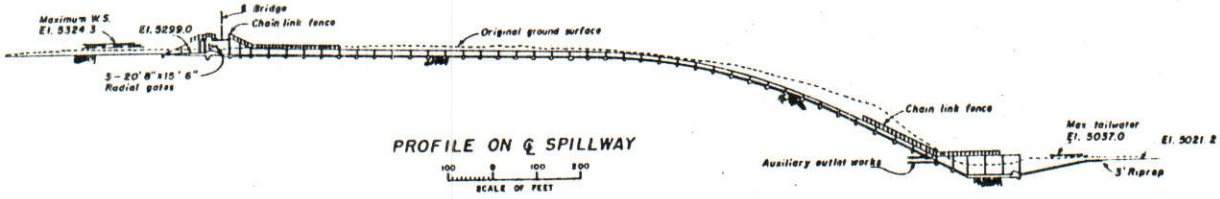
Publ. Oct. 17 and 24, 1985AH

MICROFILMED
DEC 19 1989



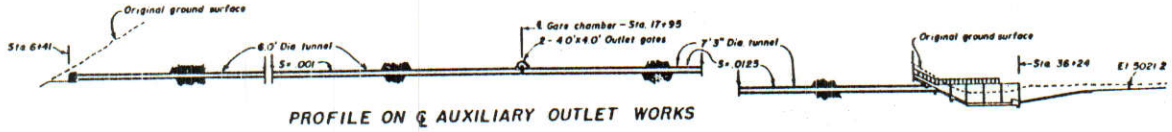

GENERAL PLAN

SCALE OF FEET



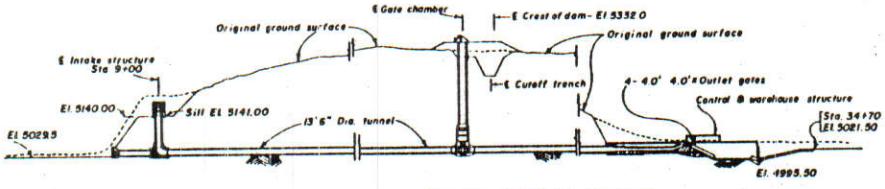

PROFILE ON ℄ SPILLWAY

SCALE OF FEET



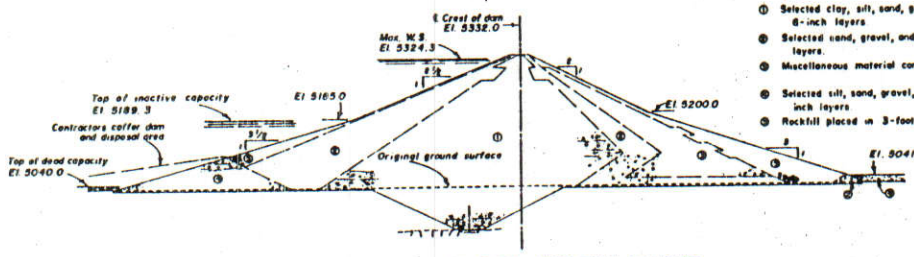

PROFILE ON ℄ AUXILIARY OUTLET WORKS

SCALE OF FEET




PROFILE ON ℄ RIVER OUTLET WORKS

SCALE OF FEET




EMBANKMENT EXPLANATION

① Selected clay, silt, sand, gravel, and cobbles compacted by tamping rollers to 6-inch layers

② Selected sand, gravel, and cobbles compacted by crawler-type tractors to 12-inch layers.

③ Miscellaneous material compacted by rubber-tired rollers to 12-inch layers

④ Selected silt, sand, gravel, and cobbles compacted by rubber-tired rollers to 12-inch layers

⑤ Rockfill placed in 3-foot layers

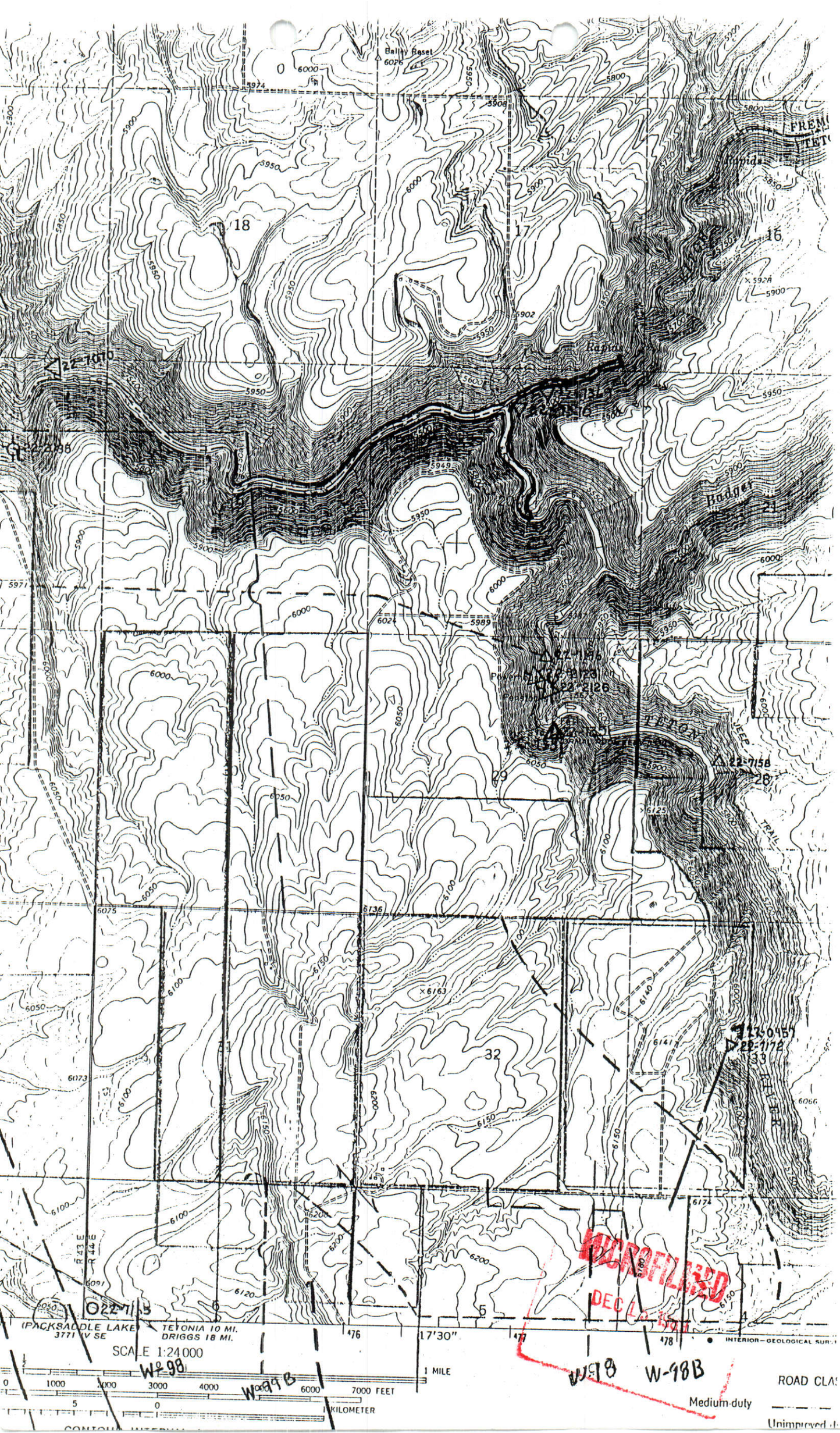
MAXIMUM SECTION WITHOUT CAMBER

SCALE OF FEET

**Teton Dam, Plan and Sections**

MICROFILMED
DEC 15 1989

☆ U.S. GOVERNMENT PRINTING OFFICE: 1983 — 776 — 430


Bailey Reset
6026
Rapid
Rapid
Badger
TETON
JEEP
TRAIL
22-1076
22-1136
22-2126
22-7158
22-0457
22-1172
22-7155
18
17
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28
32
33
T 43 N
R 44 E
(PACKSADDLE LAKE 3771 IV SE)
TETONIA 10 MI.
DRIGGS 18 MI.
SCALE 1:24000
1 MILE
7000 FEET
KILOMETER
17'30"
INTERIOR—GEOLOGICAL SUR
W-98
W-98B
W-98B
MICROFILMED
DEC 15 1980
ROAD CLA
Medium-duty
Unimproved d

PROTESTS/OBJECTIONS

MAILED
DEC 15 1989

RECEIVED
NOV 1 1984
Department of Water Resources
Western Regional Office

BEFORE THE IDAHO WATER RESOURCE BOARD

| | |
|---|---|
| In the Matter of the Application for Minimum Stream Flow, App. #21-7281 IDAHO DEPARTMENT OF FISH AND GAME | OBJECTION TO APPLICATION by Fremont-Madison Irrigation District |

---

OBJECTION OF FREMONT MADISON IRRIGATION DISTRICT TO MINIMUM STREAM FLOW APPLICATION OF THE DEPARTMENT OF FISH AND GAME

Fremont-Madison Irrigation District hereby formally enters its objections to the application of the Idaho Department of Fish and Game for minimum stream flows on the Teton River and Fall River and Warm River, as follows:

1. Fremont-Madison Irrigation District is responsible for the management of storage water on the Teton and Fall rivers. The only manner by which storage water can be delivered to either of these rivers is by exchange within the District.

On Fall River that exchange takes place by the District releasing storage into the North Fork of the Snake from Island Park Reservoir to replace the natural flow that would otherwise spill from Fall River into the Snake River when decrees are cut. It is a physical impossibility to deliver water directly from the reservoir to those who need it on Fall River.

On the Teton River water is physically delivered across the Cross-cut Canal to replace natural flow used by owners of storage on the upper reaches of the Teton. The Cross-cut spills into the Teton [illegible] below the reach of the river on which the application for minimum stream flow is sought.

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DEC 15 1989

2. Fremont-Madison has the obligation to deliver storage water, by exchange, on or above the stretches of both rivers affected by the minimum stream flow request. Thus irrigators may draw down the natural flow by calling for storage water, and that natural flow is then replaced by release and delivery of storage by the District to replace natural flow and thus protect decreed rights down-stream.

3. The District asserts that there is no water available in Fall River to fill minimum stream flow requirements as decreed rights and exchange rights for storage deplete the system in all but the best water years.

4. Granting of Fish and Game's Application for minimum stream flow could prevent delivery of storage water by Fremont-Madison to those who are entitled thereto:

> a. On the Teton River, there are irrigators who remove storage water from and above the reach affected by the application. In a normal year downstream users may call for decreed water requiring upper users to shut off. At such time the upper users may call for their storage and replace the natural flow through the cross-cut, or pumps lower on the river, thus filling decreed rights below. However, because of the minimum stream flow requirement , all available storage may not be available to irrigators entitled thereto in order to meet a decreed minimum flow above the cross-cut.
>
> b. The same scenario can be re-inacted along Fall River if irrigators cannot use water in the river to fill their storage rights because earlier decrees are on below and Fish and Game has a right albeit 1983, for minimum stream flow.

5. The granting of any application for minimum stream flow must be subject not only to all decreed rights, but also to all storage rights.

6. The increasing demand for water for such varied purposes be-speaks the necessity for development of upstream

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DEC 15 1989

storage capacity to meet increasing demand.

7. Fremont-Madison further objects to minimum stream flow on the Warm River to the extent that it may interfere with delivery of any storage rights of District Members.

James Max Mortenson, Chairman
Fremont-Madison Irrigation
District

29 October 1984

DEC 15

RECEIVED
SEP 14 1981
Department of Water Resources

Department of Water Resources
State of Idaho
Boise, Idaho 83700

I/we the undersigned wish to protest Application No. 22-7369, submitted by the Idaho Water Resource Board, to allocate 106 cfs Teton River Water to maintain minimum streamflow. We feel the only time that this decree would be needed would be for a short period of time, which would also be a critical period for irrigation. During the short period of time that this situation would exist, we feel agricultural use of the water should have priority over recreational use.

Dated this 10 day of ~~August~~ Sept, 1981.

H-T Ranch

John C. Briggs (John C. Briggs)

Box 96
Tetonia Id. 83452-2
Tetonia Id 83452

MICROFILMED
DEC 15 1983

RECEIVED
SEP 14 1981
Department of Water Resources
Eastern District Office

RECEIVED
SEP 10 1981
Department of Water Resources

Department of Water Resources
State of Idaho
Boise, Idaho 83700

I/we the undersigned wish to protest Application No. 22-7369, submitted by the Idaho Water Resource Board, to allocate 106 cfs Teton River Water to maintain minimum streamflow. We feel the only time that this decree would be needed would be for a short period of time, which would also be a critical period for irrigation. During the short period of time that this situation would exist, we feel agricultural use of the water should have priority over recreational use.

Dated this 31 day of August, 1981.

Rex Ard

Rex Ard
274 W 1 S
Rexburg, Idaho 83440

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DEC 15 1989

The region has sent a response to the protesters

3DF

RECEIVED
SEP 8 1981
Department of Water Resources

Department of Water Resources
State of Idaho
Boise, Idaho 83700

I/we the undersigned wish to protest Application No. 22-7369, submitted by the Idaho Water Resource Board, to allocate 106 cfs Teton River Water to maintain minimum streamflow. We feel the only time that this decree would be needed would be for a short period of time, which would also be a critical period for irrigation. During the short period of time that this situation would exist, we feel agricultural use of the water should have priority over recreational use.

Dated this 30 day of August, 1981.

Donnie Ard

Pres Teton Pipeline Assn.

Ronnie Ard
Pres Teton Pipeline Assn.
Star Rt
Newdale Id 83436

RECEIVED
SEP 9 1981
Department of Water Resources
Eastern District Office

MICROFILMED
DEC 15 1989

RECEIVED
AUG 31 1981
Department of Water Resources

RECEIVED
SEP 3 1981
Department of Water Resources
Eastern District Office

Department of Water Resources
State of Idaho
Boise, Idaho 83700

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Dated this 26th day of August, 1981.

Clemenceville Pipeline Inc.

Glen D Nelson Pres.

Glen D. Nelson
Star Rt
Newdale Id

MICROFILMED
DEC 15 1989

STATEMENTS IN FAVOR OF MSF

MICROFILMED
DEC 15 1989

22-7369

RECEIVED
NOV 5 1984
Department of Water Resources

12/27

Kenneth Dunn
Idaho Dept of Water Resources
State House
Boise, ID 83720

Dear Sirs —

I understand that the ID F&G would like to establish minimum flow levels on the Teton River below Hyum, ID. I'm in strong support of this action as this stretch of the Teton, as well as BADGER [redacted] Rock Creeks provide some of the best fishing in this AREA.

Chi Melville
Box 488
Driggs, ID
83422

MICROFILMED
DEC 15 1989

RECEIVED
NOV 1 1984
Department of Water Resources

October 30, 1984

Idaho Water Resources Board
Statehouse
Boise, Idaho 83720

Dear Water Resources Board:

I understand that the Idaho Department of Fish and Game has applied for minimum stream flows for the Falls River, the Warm River, Bitch Creek, and the Teton River.

These minimum stream flows would not affect existing water rights held by irrigators, but they would preclude or limit proposed small hydro projects so that they would have acceptable impacts on the important fisheries of these streams.

Currently there is a surplus of electrical power in the Northwest. **There is not a surplus of high quality fishing streams such as these.**

If I understand the process correctly, you will forward Fish and Game's application to Mr. Dunn in the Idaho Department of Water Resources. He will hold a hearing or hearings, and make a decision for or against the application. If he decides in favor of the application, then it goes into effect unless the state legislature overturns it.

I read in the Fremont County Chronicle-News that county commissioner Jim Siddoway had made a number of his typical anti-wildlife comments about the Fish and Game proposal. He should know that the future of Fremont County is not sheep and logging, it's recreation. Furthermore, these streams are state and national resources. Opinion outside of Fremont country should count too. Please keep me informed about this issue, particularly about any hearings that may be scheduled.

Sincerely,

Ralph Maughan

Ralph Maughan
P. O. Box 1173
Pocatello, Idaho

MICROFILMED
DEC 15 1989

October 30, 1984

Idaho Dept. of Water Resources
Kenneth Dunn, director
State House
Boise, ID 83720

RECEIVED
OCT 31 1984
Department of Water Resources

Dear Mr. Dunn,

I am writing to inform you of my support for the minimum stream Flows on the Teton River as proposed by the Idaho Fish and Game Department. As I understand, Bitch Creek, Fall River, Warm River, and Badger Creek will be affected by a minimum stream Flow decision. Two of these, Badger Creek and Bitch creek, are prime spawning grounds for the Teton River. I also understand that the proposed minimum Flows would not supercede existing water rights of area farmers and developers. Therefore it seems to me that by adopting these minimum Flows we can protect and possibly even improve the unique Teton River ecosystem yet not infringe on the existing rights of irrigators and hydroelectric energy suppliers.

FILMED
DEC 15 1989

The Teton River represents a truly unique habitat for fish, waterfowl and at one time served as the center of an important moose, elk, and deer winter range. A River that can boast being home to quality trout, sandhill cranes (even an occasional Whooper!), canadian geese, 200+ Trupeter swans, and ducks of all sorts is not commonplace! I feel the value of the Teton River and its tributaries as habitat for these animals far outweighs the value of any additional

use of the river for irrigation and hydroelectric power plants.

I urge you to adopt the minimum stream flows for the Teton River as proposed by the Idaho Fish and Game, and support efforts for establishing additional minimum flows for the River and its tributaries above Highway 33.

Sincerely,

Claire Lavendel
Box 591
Driggs, ID 83422

DEC 15

Oct. 28, 1984

Kenneth Dunn, Director
Idaho Department of Water Resource
State House, Boise, Idaho

RECEIVED
OCT 30 1984
Department of Water Resources

In re: Minimum Stream Flows on the Teton

Dear Sir:

My husband and I are watching Idaho's handling of their precious resources with keen interest. Since moving here from the Denver area where we can no longer see the Milky Way nor breathe pure air, we hope our adopted state will be able to preserve the high quality of its air, water, and wild life.

The Teton River can become one of the premier trout streams in the United States making this area desirable for fishermen who will travel great distances for the pleasure and excitement of experiencing "class" fishing and in the process stimulate and generate business wherever they go. Dry fly fisherman, in particular, make agreeable guests for our state as they are generally considerate of the environment.

The establishment of minimum stream flows to preserve fish habitates and spawning grounds will allow our fish harvest to flourish and will protect the critical streams, i.e., Bitch Creek, etc., from further future irrigation and hydro projects.

We hope you will consider with care the Idaho Fish and Game Department's proposal to establish minimum stream flows on the Teton River below Route 33. With thoughtful study and wisdom both agricultural and environmental interests should be balanced.

Very truly yours,

Victoria Ruwitch

Victoria Ruwitch
Rt 1, Victor, Id.

...ILMED
DEC 15 1989

Kenneth Dunn, Director October 26,1984

Idaho Department of Water Resources

State House, Boise, Idaho 83720

RECEIVED
OCT 29 1984
Department of Water Resources

Dear Mr. Dunn,

My husband and I fully support the intentions of Idaho Fish and Game to place minimum stream flows on the Teton River. Affected by this decision are Bitch Creek and Badger Creek which are prime spawning grounds for trout in the Teton River, our local river.

The fight for future access to water is intense and will become more heated as time goes on. We feel it is critical to set aside the water now to insure the future of the fish populations in our Teton River. Local farmers can be assured that in no way are their present water rights affected by the setting of minimum stream flows. Therefore, it is time to guarantee something for fish habitat before other moneyed interests seize this precious water.

We are very concerned about the quality of life in our valley. The Teton River is an enormous resource and asset which can only become more valuable in a future that seems to hold little for the perpetuation of natural wonders like the Teton River. It requires foresight to imagine what the value of a natural river might be. We feel it is a critical time, a pivotal time, to make the decisions which will perpetuate a scenic minor wonder and [illegible] for future generations.

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DEC 15 1989

On another topic, we understand that the township of Soda Springs is considering allowing the mining company there (potash/phosphate) to mine above the town's water supply. The danger to the citizens should be obvious to the citizens, but for some reason the town is divided on the issue. They may have the right to endanger themselves

through faulty thinking and ignorance, but shouldn't the state be concerned for them? Would not the state be liable for damages resulting from contamination of the water supply? A future clean-up could be very costly as well as suits brought for cancer claims. It would be so much easier and cheaper to simply prohibit the mining now rather than face a future of difficult problems.

And considering Governor Evans remark of a few days ago in response to the national study just published that Americans face pollution of their potable water in every state, to which Govenor Evans responded, "not in Idaho", I should think the govenor should be alarmed, too.

Sincerely,

David L. Trapp  Juli Trapp

David and Juli Trapp, taxpayers.

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DEC 15 1989

RECEIVED
OCT 29 1984
Department of Water Resources

Kenneth Dunn
Idaho Dept. of Water Resources
State House
Boise, Id. 83720

Dear Mr. Dunn,

We would like to express our support for the proposed minimum stream flows on the Teton, Bitch, and Fall and Warm Rivers. We understand that these minimum flows, proposed by Fish and Game, do not effect present water rights. There is a need in this area to protect present fish habitat from further irrigation and hydro projects. We ~~both~~ enjoy fishing in this area and there are a number of recreationalists that fish in this area. We feel the public in Idaho should begin to ~~look~~ look to the future in protecting our recreational lands and rivers from unnecessary developements.

MICROFILMED
DEC 1 5 1984

Sincerely
Hobart and Martha Calla
Box 124
Driggs, Id. 83422

# Federation of Fly Fishers

October 28, 1984

Gene Gray
Vice Chairman
Idaho Water Resource Board
Statehouse
Boise, ID 83720

Dear Mr. Gray:

My name is Buck Goodrich and I am president of the Western Rocky Mountain Council of the Federation of Flyfishers. I live in Shelley, Idaho and I am writing to express my support for minimum flows on the Fall, Warm and the Teton Rivers and Bitch Creek.

I think it is about time that minimum flows are established on these streams. We believe that water useage must include recreational and esthetic uses as well as agriculture. The econonmics of non agriculture use of water are becoming very large. Favoring just one industry is not correct. I especially believe this when agriculture is so heavily subsidized as it is today. The fishing industry pays it's own way and should not be penalized because it is non agriculture. We believe in multiple use but apparently the agriculture interests do not. The beauty and satisfaction of seeing a free flowing stream warms the hearts of most people.

Thank you for your time. I hope you will consider my ideas and march forward with the only logical decision that can be made on the above minimum flows. I guarantee you we have many members who support such a decision. If you need more support for this decision please let me know. We can supply numbers.

Yours Truly,

Buck Goodrich

L.D. "Buck" Goodrich
Rt. #2 Box 36[illegible]
Shelley, ID 83274

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DEC 15 1989

WRMC WESTERN ROCKY MOUNTAIN COUNCIL

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OCT 22 1984
Department of Water Resources

291 Dale Drive
Idaho Falls, ID 83402
October 18, 1984

Mr. Gene Gray
Vice Chairman
Idaho Water Resource Board
Statehouse
Boise, Idaho 83720

Dear Sir:

I am writing to you because of my concern for the future importance of instream minimum flows to the economy of Fremont County. Sustaining cold water fisheries by assigning instream minimum flows will guarantee a future source of tax revenue and private income for the county as recreationists seek quality fisheries in the future.

It is well known that the amount of quality cold water fisheries habitat is decreasing throughout our country. However, those within and outside our state seeking cold water fisheries as a source of recreation are increasing. Thus those who are economically dependent on these fisheries stand to benefit from the increased rate of future demand. I thus urge you and members of the Water Resource Board to assign, as requested by the Idaho Department of Fish and Game, minimum instream flows from unappropriated waters for the purpose of cold water fisheries maintenance to these streams:

Falls River
Teton River
North Fork of Teton River
Warm River and
North Fork of the Snake River.

I urge this action as an owner of agriculturally zoned land in Fremont County (NE¼ N of River less Hwy Sec 3 Twp 8 Rge 43) and with the realization that this action will not violate earlier water rights on these streams.

Sincerely,

Bruce A. Staple

Bruce A. Staple

MICROFILMED
DEC 15 1989

BAS:cs

# EASTERN IDAHO GROUP
# SIERRA CLUB

RECEIVED
OCT 11 1984
Department of Water Resources

Conservation Chair
1636 South Fairway Drive
Pocatello, Idaho 83201
(208) 232-9159

October 10, 1984

21-7283

Mr. Kenneth Dunn, Director
Idaho Department of Water Resources
State House
Boise, Idaho 83720

Dear Mr Dunn:

The Eastern Idaho Group, Northern Rockies Chapter of the Sierra Club supports the minimum stream flow proposals by the Idaho Department of Fish and Game for Falls River, Warm River, Teton River and Bitch Creek.

It is obvious that the proposed minimum stream flows are necessary to protect vital habitat for native trout, and certainly this is the basis for them. Mr. Arkooshes remark at the Driggs meeting about "locking up the streams" was totally without basis. The four streams in question are the life-blood carriers for Henry's Fork. Despite Mr. Siddoway's remarks about the effect minimum stream flows might have on Fremont County's economy, he should know that recreational use of his county's rivers and streams--particularly their fisheries--are critical to Fremont County's economy.

We Understand the concern of Fremont County irrigators, and feel that in no way would minimum stream flows threaten their livelihoods, indeed, they can only assure the long-term survival of the region's economy.

Please enter this correspondence into the official record of the proceedings.

Yours very truly,

George Wentzel

George Wentzel

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DEC 15 1989

"Not blind opposition to progress, but opposition to blind progress."

RECEIVED
OCT 10 1984
Department of Water Resc

30 Sept. 1984

Mr. Gene Gray,
Vice Chairman
Idaho Water Resource Board
Statehouse
Boise, Idaho 83720

Dear Mr. Gray,

I am writing to urge you and all of the members of the Idaho Water Resource Board to consider favorably the request by the Idaho Department of Fish and Game for minimum streamflows on the Falls River and Warm River.

At the public hearing held in St Anthony on Thursday, emotions were running high and there appeared to be a lack of understanding of the provisions of the Minimum Streamflow Law which contributed to the near explosive nature of the meeting. The majority of those in attendance seemed resolutely opposed to the department's proposal, but the reasons appeared to stem from a native antipathy towards the Department of Fish and Game and from a seemingly unwarranted fear by those opponants of a trespass against their water rights. Since, by law, earlier water rights on the Falls River have priority over the instream flow request, and, certainly, since emotional arguments founded in earlier disputes with the Department of Fish and Game can have no rational bearing on the issue before your board, the facts become simpler to adjudicate. The fishery on the lower Falls River is in trouble now. The excessively low flows of late summer and fall can, will, and most likely already have caused aquatic life loss from loss of habitat and increased water temperatures. The request for the instream flow by the Department is reasonable, necessary, and entirely justified despite the vociferous opposition.

Certainly, no rational person can deny the needs and rights of those who depend upon irrigation water from the Falls River for their livlihood, but by the same token, the rights and needs of the people of the State of Idaho, visitors from other states and those who depend upon the income from tourists and fishermen must be considered, too. Their right to unallocated water is just as cogent, if not more so, than the rights of those with prior water rights.

I hope, Mr. Gray, that the decision of the Board will be based upon reason and rationality and not upon emotion and the weight of numbers.

For the record, I am writing not only as a concerned private individual, but as a representative of the Upper Snake River Chapter of Trout Unlimited and as a Director of the Federation of Fly Fishers.

Thank you for your consideration,

Ralph W. Moon

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DEC 15 1989

Ralph W. Moon
Rt. 1 Box 191-3
St Anthony, Idaho 83445

THE FLYFISHER

The Magazine of The Federation of Fly Fishers

RECEIVED
OCT 9 1984
Department of Water Resources

21-7281

DENNIS G. BITTON, EDITOR
1387 CAMBRIDGE DRIVE
IDAHO FALLS, ID 83401
(208) 523-7300

October 3, 1984

Mr. Gene Gray
Vice Chairman
Idaho Water Resource Board
Statehouse
Boise, Idaho 83720

Dear Mr. Gray:

I'd like to express an opinion on the State Fish & Games' request for minimum stream flow requests on a few eastern Idaho waterways. Knowing the individuals at the Fish & Game, as well as the streams involved, I would strongly suggest that you follow their recommendations.

For too many years, Idahoans have looked at water as something to irrigate with, run an industrial plant with, or to power turbines. The rights of the fish have been ignored. Notice that I said the rights of the fish, not fishermen.

Trout in a stream are like the proverbial canary in the miner's tunnel. If they die, it's a signal to the humans. I'm fourth generation Idahoan, and I consider it my duty to protect the quality and quantity of our streams so that my grandchildren can enjoy them like I do. We won't be able to do that without non violatable minimum stream flow packages. The farmers and ranchers are out of line. It's not their water. They merely have the right to use some of the water, and they shouldn't be allowed to use it to anyone else's detriment, especially the fish.

I've seen streams dried up, with fish dying, and irrigation canals filled to overflowing right next to it. They waste water; a lot of it. That need to be changed. Please support minimum stream flow requests on any stream that has trout in it. If we don't our grandkids will have nothing but paved canals to look at.

I could say more, but I believe you get my meaning. Please contact me if I can be of any assistance in any way.

Tight Lines,

Dennis G. Bitton

DGB:jh

Dennis G. Bitton

MICROFILMED
DEC 10 1984

# ATTENDANCE ROSTER

HEARING ON MINIMUM STREAM FLOW APPS NOS. 22-7369 & 22-7370, TETON RIVER & BITCH CREEK. DRIGGS, ID 9:30 AM NOV 21, 1985

| NAME | ADDRESS | REPRESENTING | DO YOU WISH TO PRESENT TESTIMONY: (YES OR NO) |
|---|---|---|---|
| BRUCE MORLEY | STAR RT. BOX 3654, JACKSON, WY. 83001 | ENERGY CAP. INC. (YES) | |
| Johny Brown | Box 73 Tetonia, Ida. 83452 | Ray Brown Farms (Yes) | |
| Robin Brown | Box 73 Tetonia Ida 83452 | Ray Brown farms (Yes) | |
| Dan R. Brown | Box 73 Tetonia Ida 83452 | Ray Brown farms (Yes) | |
| Wade R Rikon | 11 44 Felt, Idaho 83424 | Robert Farmer (yes) | |
| Hank R Rikko | Box 55 Felt, Ida. 83424 | | |
| DENNIS HARD | STAR RT NEWDALE ID 83436 | FREMONT MADISON IRRIG DIST | yes |
| Bruce Ricks | Rt #1 | Sugar City Ida 83448 | yes |
| Russell Udy | Star Rt Newdale Id 83436 | Fremont Madison | yes |
| JAY C. RICKS | 259 So 3rd E Rexburg, Ida 83440 | | yes |
| Clyde Ricks | Box 54 FELT, Id. 83424 | | — |
| Brent Hoopes | Box 33 Tetonia 83452 | | yes |
| Dr Van Scott | Box 1143 Newdale 83436 | | |
| Jerry Scott | Box 1143 Newdale 83436 | | |
| Mike Scott | " | | |
| Mac Murdock | Box 127 Driggs, Id 83422 | | no |
| R J. Hoopes | Box 70 Rexburg Rt 83440 | Elko Ranch | yes |
| B Phillips | Rt 1 Box 197C Tetonia, Id 83452 | Phillips Farms | No |
| B Nelson | H.C. 66 Box 224 Newdale, Id. | | |
| Merrill & Robert Jammell | 330 Yale Rexburg Id | | yes |
| Max & Denise Jammell | 74 Cash Cove Rexburg Ida | | yes |
| Marie Hoopes | P.O. Box Tetonia Ida | | |
| Jim Paulson | Rt 1 Box 530 Victor Ida | | |
| Jack Hodder | Box 185 Driggs | | No |
| Vicki King | Rt 1 Box 679A Victor | | NO |
| Dan Gridley | Box 509, Driggs | | no |
| Steve Lee | 335 East 1st N. Rexburg | | no |
| Larry Lee | 335 East 1st N Rexburg Idaho | | |
| Jack Hoopes | PO Box 588 Rexburg Id. | | |
| Dick Ellis | Tetonia Id | | |
| Steven Ertle | 1515 Lincoln Rd; Idaho Falls | Idaho Fish & Game | |
| Arnold Williams | Victor Victor 83455 | | |
| Bill H. Grant | Rt 1 Box 1550 Tetonia, Idaho 83452 | Myself | No. |

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DEC 16 1985

# ATTENDANCE ROSTER

| NAME | ADDRESS | REPRESENTING | Testimony |
|---|---|---|---|
| Martha Wood Cullins | Box 570 Driggs, Idaho | Greater Yellowstone Coalition | written ^ Yes |
| Robert Stevenson | Box 176 Victor, ID | | yes |
| Tim Bozorth | 130 E 22nd St Idaho Falls ID | Bureau of Land Management | No |
| Glen Nelson | Box 157, Tetonia Id | Nelson Farm | |
| RICH BLOOM | ROUTE 1, BOX 3303 DRIGES, IDAHO | | written, |
| Nancy FitzSimmons | Rt 1 Box 3303 Driggs, Id | | written |
| Gene Ralston | 516 N. Meridian, Meridian, Id. | Energy Gap Inc | yes |

DEC

Linda S.
For Teton R.
hearing file
Dec

Nov 2, 1985

RECEIVED
DEC 6 1985
Department of Water Resources
Western Regional Office

To Whom It May Concern:

I am writing to you about the proposed minimum streamflow on Bitch & Teton Creeks in Teton County. I am a resident of Teton County and have owned my own home here for three years. I took the time to go to the public hearing in Driggs recently to learn of the proposal.

I am in complete support of the minimum streamflow proposal for both Bitch Creek and Teton Creek. It is obvious to me that the Dept. of Fish and Game is asking for a very conservative streamflow, that would have little effect on the farmers here in our valley. I used to be a farmer, and I realize their concerns, but in this situation their fears are not grounded in reality.

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DEC 18 1989

It is a pity that many people in this valley realize the great importance of the natural resources such as fish and wildlife. I feel that protecting these resources is extremely important, both for their intrinsic value and for the enjoyment of future generations.

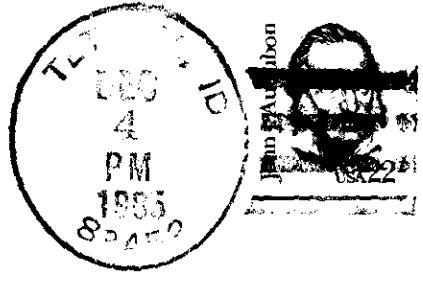
I hope that the Department of Water Resources will accept the minimum streamflow proposal for the public (rather than private) good.

Thank you

Nancy FitzSimmons
Rt 1 Box 3303
Driggs, Id

MICROFILMED
DEC 18 1989

Nancy N Fitzsimmons
Route 1 Box 2333
Driggs, Idaho 83422




Department of Water Resources
State Office
State house
Boise, Id 83720

December 1, 1985

Department of Water Resources
Western Regional Office

Dear Department of Water Resources

I am writing you to express my support of the proposed minimum streamflows for Teton Creek and Ditch Creek. I am a homeowner in Teton County and went to the public hearing in Driggs recently.

I am in strong support of the minimum streamflow, feeling that it is very much in the public interest for us to protect our fish and wildlife resources. I think the irrigators are unjustified in their fears of how this might adversely effect them. They had their minds made up before even hearing what the Department of Fish and Game had to say. I hope their unwillingness to understand how little is being asked for by the Fish and Game will be taken into account in your decision.

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DEC 18 1989

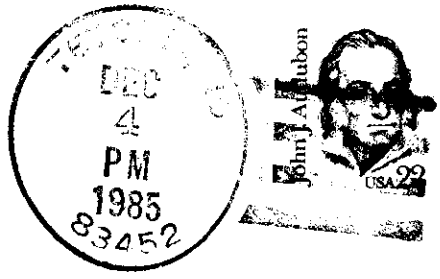
These minimum streamflow proposals are the very least we can do. Please decide in their favor.

Sincerely, Rick Bloom

RT. 1 BOX 3303, DRIGGS, ID.

Linda S.
For Teton R.
hearing file.
Dave

Rt : Box 3303
Dragon. Id
83422




Depart. of Water Resources
State house
Boise, Id 83720

DRS

Dec. 3, 1985

Brown Farm
P.O. Box 61
Tetonia, Idaho 83452

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DEC 6 1985
Department of Water Resources

Dept. of Water Resources
A. Kenneth Dunn, Director
Statehouse
Boise, Idaho 83720

REC
Linda S -
Plz file
(Teton R)
Departm
West

Dear Sir,

We would like to go on record as protesting Water Right No. 22-7369 a Minimum Stream Flow Right requested by the Idaho Dept. of Fish and Game.

We are opposed for the following reasons:

1. We have lived on this reach of the Teton River all our lives and we feel the conditions for the fish are and always have been good just the way it is. People have been known to drive long distances just to fish on this reach of the river.

This good condition continued even after #permits including slightly downstream exchange wells approved by you and your department were put into operation.

2. The study site of the Fish and Game represented only about 15% of the reach in question. This point was brought out at the hearing held at Driggs on Nov. 21st.

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3. There is presently no workable gaging station on this reach of the river.

4. It was shown at the hearing that there was no significant change in the rivers wettable surface between 40cfs and 106 cfs showing no real need for 106 cfs.

5. Last but not least several of us farmers along this reach of the river have in good faith obtained approved permits including exchange wells. There has been large sums of money invested not only in irrigation systems but potato storages and machinery. This water has been proven to beneficial use.

We feel like this figure of 106 cfs would sometimes cut us short in a critical irrigation period. One or two weeks is all it would take to seriously set back a crop.

Thank you for allowing us this opportunity to express our opinion.

Brown Farm

John M Brown

Dan R. Brown

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DEC 18 1989

Brown Farm
P.O. Box 61
Tetonia, Ida.
83452

TETON, ID
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4
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A. Kenneth Dunn, Director
Dept. of Water Resources
Statehouse
Boise, Idaho
83720

Linda's
Plz file
(Teton R)

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DEC 6 1985
Department of Water Resources

Kenneth Dunn
Idaho Dept. of Water Resources
373 West Franklin Street
Boise Idaho 83720

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DEC 3 1985
Department of Water Resources
Western Regional Office

Mr. Dunn:

I attended the minimum stream flow hearings on the Teton River and Bitch Cr. November 21 in Driggs. I am a hydrologist with 8 years professional experience. I was impressed with the way the hearing was handled by your staff under at times harsh conditions.

I would like to express my opinion that I feel the minimum flows requested by the Idaho Water Resource Board on behalf of the Idaho Department of Fish and Game seem entirely reasonable and I would encourage you to grant these minimum flows. Claim # 22-7369 for 106 cfs. on the Teton River from Hwy 33 downstream to the mouth of Bitch Cr. and Claim # 22-7370 for 28 CFS. from Hwy 32 to the mouth are needed to provide adequate flows for maintaining viable trout fisheries.

From the presentations on stream flow records by your staff. flows will naturally meet the minimum flows 99% of the time future water usage will not suffer from these flows being maintained.

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DEC 18 1989

I would also like to express my opinion that the Minimum flow request for 141 CFS on Warm River from the confluence with Henrys Fork upstream to SH 47 should also be granted I was unable to attend this hearing but have heard a presentation on the fishery of this stream and its importance and with the future development proposals in this area I feel it would be in the states best

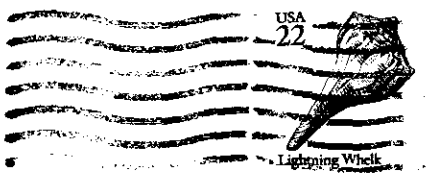
interest to grant this minimum flow.

Thank You
Tim M. Bozorth
130 E 22ND ST
Idaho Falls Idaho
83401

FILMED
DEC 18 1989

130 E 2ND St
Idaho Falls Id
83401

POCATELLO, ID 832
-PM
3 DEC
1985




Kenneth Dunn
Idaho Department of Water Resources
373 West Franklin St.
Boise Idaho 83720

State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

December 5, 1985

Leigh Chantrill
Newdale, ID 83436

Re: Minimum Stream Flow Application Nos. 21-7283 and 21-7355, Warm River; 22-7369, Teton River; and 22-7370, Bitch Creek

Dear Leigh:

Thank you for your letters dated November 25, 1985 regarding the above-referenced minimum stream flow applications. They will be included in the respective hearing records.

Regarding your question about an action timetable, the following outline will give you a general idea:

- Hearing Dates: Nov. 20, 21, 1985
- Hearing Records Close: Dec. 5, 6, 1985
- Proposed Decisions Issued By Hearing Officer: Early 1986
- Final Decisions Issued by Me: Depends on Responses to Proposed Decisions
- Applications, if approved, submitted to Idaho Legislature: Earliest Opportunity - January 1987 (unless decisions are appealed to the District Court)

As you can see the procedure is lengthy, to afford a full opportunity for the due legal process. As you are aware, however, the minimum stream flow applications retain the dates of filing as the dates of priority.

Again, thank you for your input in this procedure.

Sincerely,

A. KENNETH DUNN
Director

ls

MICROFILMED
DEC 1 6 1985

STATEMENT--TO THE IDAHO DEPARTMENT OF WATER RESOURCES HEARING ON MINIMUM STREAM FLOWS FOR THE TETON RIVER AND BITCH CREEK.
21 NOVEMBER, 1985, DRIGGS, IDAHO

As a life-long resident of Wyoming and Idaho, I want to state my support for the Idaho Department of Fish and Game in their effort to maintain minimum stream flows in Bitch Creek and the Teton River. My reasons for this position are as follows:

1) These two streams are a focal point of this area's natural beauty. They are a natural part of our American heritage, and I believe we have a responsibility to maintain them and their habitats and be proud of it. They benefit us all.
2) The economic value of the fish, wildlife and scenery associated with these streams is significant now, and I believe it will be even more important in the future.
3) A line has to be drawn somewhere. None of us wants to see these streams degraded. But, the continued pressure from private individuals acting in their own self-interest for parts of this water resource will eventually cause the ruin of the streams.
4) The Idaho Department of Fish and Game is correct in pursuing minimum stream flows on these streams. Someone has to represent the common good in maintaining our natural heritage and establishing a balanced approach to water resource use. Who other than this agency could effectively address this issue?

Please take my reasons for supporting the Idaho Department of Fish and Game into consideration and approve the application for a minimum stream flow.

Robert G. Stevenson

ROBERT G. STEVENSON
VICTOR, IDAHO

RECEIVED
DEC 18 1989

Newdale, Idaho
Nov. 25, 1985

RECEIVED
NOV 29 1985
Department of Water Resources

Mr. Ken Dunn
Department of Water Resources
Boise, Idaho

Dear Ken:

I was glad for the opportunity to testify at the Stream Flow hearing at St. Anthony, but was unable to participate at the Driggs hearing because of a blizzard.

I am enclosing some of my feelings on the Teton River and Bitch Creek. The Teton River is a working river with great economic impact on the area that would have been affected by the Teton Dam. The area that would be affected cannot be floated because it is too steep and rocky and is quite inaccessible to get to, nor try to wade by fishermen.

The people in the Utah Power and Light service area are paying over 18cents per KWH for some of their energy and rates are to go up in the future. We need all the help we can get to have available more hydro electric power from Bonneville Power or new development.

I am definitely against minimum streamflow on the Teton River and Bitch Creek. Minimum stream flow on Bitch Creek would not help the fishery in any way.

What is your timetable to have this matter taken into consideration and acted upon?

In respect to the fisheries in this area in my district our greatest problem, by far, is the Island Park reservoir fishery. That fishery has been poor for several years and the Fish and Game Department know that it is poor, but they do nothing to improve it. They publicize their Henry's Lake fishery which is good.

There are millions of dollars invested around the Island Park Reservoir that contributes much to the area business and Fremont County tax income. These people are being deprived of the very thing that they expected from a good fishery.

Let's encourage the Fish and Game Commission to take better care of the major fishery that they already have instead of trying to take away freedom of choice mountain streams.

MICROFILMED
DEC 1

Thanks.

Leigh Chantrill
Leigh Chantrill

P.S. Enclosed are some clippings pertinent to problems in this area.

# UP&L wants to hike rates by 11.2 percent

Sept 1985

IDAHO FALLS – If Utah Power & Light Co.'s request for an 11.2 percent rate hike wins the approval of the Idaho Public Utilities Commission, electrical bills could rise $3-$10 per month for the average customer, officials say.

The Salt Lake City-based power company filed a request for the rate increase last week in Boise.

UP&L is seeking an additional $14 million from its 40,000 southeastern Idaho customers. But an increase in the Bonneville Power Administration credit is expected to offset about $4.2 million of this increase, dropping the hike to 9.6 percent.

Company officials said they were sensitive to southeastern Idaho's economic woes.

"It is with no pleasure that we come asking for this rate increase at this time," UP&L spokesman John Serfustini said. "We've done all we can to keep the rates down."

Increased costs due to inflation, for attracting investment money and of operating its weatherization program were cited as reasons for the need for the rate increase. Also, a new means of determining Idaho's "fair share" of UP&L's total system was responsible for $2.8 million of the proposed increase, Serfustini said.

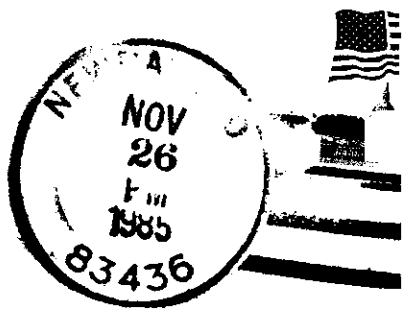
**Residents**

**Three**

MICROFILMED
DEC 18

J. Leigh Chantrill
P.O. Box 46
Newdale, Ida. 83436

(




State of Idaho
Dept of Water Resources
State office, 450 W. State St.
Boise, Idaho 83701

att: Mr. Ken Dunn

Idaho Environmental Council

P.O. Box 1708

Idaho Falls, Idaho 83401

Statement for the Record of the Public Hearings
on Proposed Minimum Stream Flows for
Warm River, Teton River, and Bitch Creek,
held by the Idaho Department of Water Resources
(Statehouse, Boise, Idaho 83720)
at St. Anthony on Nov. 20st at 9:30 AM and
at Driggs on Nov. 21st at 9:30 AM.

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NOV 26 1985
Department of Water Resources

The Idaho Environmental Council supports the following proposed minimum stream flows now being considered by the Department of Water Resources:

1. Warm River - 141 cfs from the confluence with Henry's Fork of the Snake River, upstream to Warm River Springs (actually 2 applications). Warm River furnishes good fish habitat, including spawning areas, and a resultant productive fishery. This minimum flow is needed to protect those resources from future river alterations, such as hydropower facilities, which might reduce flows below that level and damage the fishery resource.

   Warm River Springs produces around 200 cfs. Since Warm River is a spring-fed river, with far less annual fluctuation than most Idaho streams, the aquatic organisms would probably be more sensitive to low flows than those in other streams. Instead of 141 cfs, which after all is a minimum and not an optimum, we suggest you consider a minimum flow of 200 cfs.

2. Teton River - 106 cfs from the confluence with Bitch Creek, upstream 9 miles to SH 33. This flow is needed to retain existing trout habitat.

3. Bitch Creek - 28 cfs from the confluence with Teton River, upstream 6 miles to SH 32. This stream is an important trout spawning area and a good fishery. Again, this minimum flow is needed to legally define flow needs of the aquatic communities, so that any future hydropower projects will not be allowed to reduce flows below this value. (Note - it might be better to include the reach up to the Targhee National Forest boundary, or to the State line.)

The remaining good fisheries in our beautiful state are important, both from recreational and economic standpoints. Since they are at the tops of the aquatic food chains, the fish that make up these fisheries are also important as indicators of healthy aquatic ecosystems.

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Two other points should be mentioned:

All existing water rights are senior to any minimum stream flow (or other water application) which may be granted. That is, in a dry year, those senior rights must be satisfied first.

The minimum stream flows are just that; flows judged by fishery biologists to be the minimum needed to sustain the existing fishery. In most cases, they do not represent optimum flows. In the future, on streams where it is feasible, I suggest that you consider optimum flows as well as minimum flows.

Hopefully, your Department will act favorably upon these needed minimum flow applications, and the Idaho Legislature will do likewise.

Thank you.

Submitted by

Jerry Jayne

Jerry Jayne,
IEC Board
1568 Lola St.
Idaho Falls, Idaho 83402

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Dec 1989

DMT

HEARING OF WATER RESOURCE BOARD FOR BITCH CREEK AND TETON RIVER

STATEMENT BY:

DAUCHY MIGEL, M.D.
ROUTE 3 BOX 321, PARK ROAD
IDAHO FALLS, IDAHO 83401

NOVEMBER 21, 1985

THE NATURAL SCENIC BEAUTY OF THE TETON BASIN AND ITS RECREATIONAL OPPORTUNITIES ARE RECOGNIZED AND APPRECIATED NOT ONLY BY LOCAL RESIDENTS BUT BY PEOPLE FAR BEYOND THIS VALLEY'S WALLS. LARGELY CONTRIBUTING TO THIS ARE THE TETON RIVER AND ITS TRIBUTARIES, WHICH PROVIDE A HIGH QUALITY FISHERY AND HABITAT FOR WHILD LIFE. MOREOVER THE FUTURE ECONOMY OF THIS AREA APPEARS TO DEPEND INCREASINGLY ON RECREATION. TO PRESERVE THESE DESIREABLE ASSETS FOR NOW AND THE FUTURE I URGE YOU TO ADOPT THE RECOMMENDATIONS OF THE DEPT. OF FISH AND GAME FOR MINIMUM STREAM FLOW RATES ON THE TETON RIVER AND BITCH CREEK.

Dauchy Migel

I HAD INTENDED TO PRESENT THIS ORALLY AT THE HEARING IN DRIGGS ON THIS DATE BUT WE WERE TURNED BACK BY DRIFTING SNOW AND POOR VISIBILITY ON THE HIGHWAY.

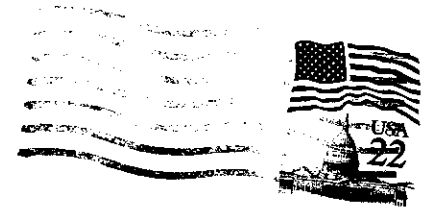
D.M.

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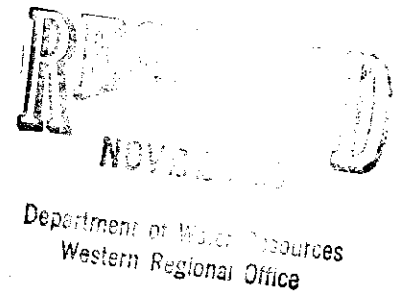
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NOV 22 1985
Department of Water Resources
Western Regional Office

D; MIGEL
ROUTE 3 BOX 32A
IDAHO FALLS, IDAHO
83401






IDAHO DEPT. OF WATER RESOURCES
450 WEST STATE STREET
BOISE
IDAHO 83720




HEARING: TETON RIVER

IDAHO DEPARTMENT OF FISH AND GAME
600 South Walnut • Box 25
Boise • Idaho • 83707

November 2, 1984

Mr. Donald Cramer, Chairman
Idaho Water Resources Board
430 West State Street
Boise, ID 83720

Re: Teton River minimum flow request at Felt Dam Hydroelectric Project (No. 22-7351).

Dear Mr. Cramer:

We presently have an agreement with Fall River Rural Electric concerning minimum flows necessary for fish passage at Felt Dam. The stream reach referred to in the agreement is from Felt Dam to the turbine outfall of the power plant.

The minimum flow was set at 20 cfs except for three months each year during the cutthroat trout migration, which will be 50 cfs. One of these months will be June. Studies will determine the exact timing once spawning runs are reestablished (see attached agreement).

Because the agreement was reached with Fall River Rural Electric in good faith after the application for minimum flow by the Board, we feel it should be recognized as valid, and not be subject to the present minimum flow request for the Teton River. We do feel, though, that future water rights granted to Fall River Rural Electric at the Felt Dam site should recognize the agreed-upon minimum flows.

We hope this will clarify our position.

Sincerely,

Kenneth Maine
for Jerry M. Conley
Director

Attachment

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1. Fall River will construct a fish ladder capable of operating with flow in the range of 10 to 20 cfs. IDFG will furnish design criteria and review the design of the ladder.

2. The minimum flow release from the dam will be 20 cfs except for 3 months each year during the period of cutthroat trout spawning migration when the minimum flow release will be 50 cfs. One of the 3 months of 50 cfs minimum flow will be June which is normally the highest flow month. The 50 cfs flow may not be required throughout all the 3 months to provide for upstream fish passage. IDFG will conduct studies to more closely identify the time frame in the spring during which the cutthroat trout spawning migration takes place.

3. Fall River will pay IDFG a lump sum to provide for mitigation of turbine mortality. IDFG will make estimates of the expected mortality and amount of mitigation.

4. IDFG will break up a few large boulders in the channel to facilitate fish passage. This work will be funded by Fall River.

5. The public will be allowed to walk down the power-plant access road for fishing or other recreational purposes; however the road will not be suitable for public vehicle traffic. Fall River will provide a parking area near the Badger Substation.

6. Fish screens at the penstock intakes will not be required.

With the conclusion of the above agreement, all environmental issues have now been resolved and no known opposition to the project remains. IDFG has agreed to provide a letter for inclusion in this application which will verify their agreement.

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(2 vii) Agreement on Fishery Issues between IDFG and Fall River

During discussions between IDFG and Fall River it became apparent that additional information was needed in order to avoid a possible impass over the question of minimum flow requirements in the river between the dam and powerplant.

Consequently Fall River suggested a field trip during which they would regulate the river flow at the diversion dam so all concerned could examine the river at several stages. The trip would have to occur during February before the spring flows exceed the existing turbine capacity so all flow could be diverted through the powerplant. IDFG welcomed the suggestion and the trip took place on February 9, 1982. Four representatives from IDFG attended as did one representative from the U.S. Fish and Wildlife Service.

The demonstration was conducted as follows:

A. The preceding night Fall River shut down the powerplant and spilled all the river flow (approximately 260 cfs) in order to wash the accumulated snow out of the channel and provide the best view of river conditions.

B. Before the demonstration began Fall River restarted the plant and resumed diverting all flow through the plant; so at the beginning flow through the dam was negligible.

C. IDFG deployed their personnel along the river at critical points.

D. The sluice gate was opened a measured amount to release 10 cfs and sufficient time was allowed for the flow to stabilize throughout the reach. After all observers were satisfied, the flow was increased and the process repeated. Observations were made at discharges of 0, 10, 20, 30, 50 and 100 cfs.

The experiment was totally successful and concluded with agreement between Fall River and IDFG on all major points of dispute. Terms of the agreement are as follows:

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Teton Valley News
att DAN GORHAM
BOX 509
DRIGGS, Ida

notice of final decision,
Butch, Teton

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11-21-1985

22-7369 - Teton River
22-7370 - Bitch Creek

Dave R. Chairman of In Stream flow Committee —
= June 19, 1981

Dave Tuthill — 5 years —
— Oct.
—

Exhibit 1 - 12 Admitted

X-exam —
[redacted] Gould

ID F & G
~~1st Witness~~
~~Tim Cochnauer~~ — 1974 -
Supervise Salmon & Steelhead —
Identified about 100 sites for Instream flow —
12 confer
Exhibit 1 F & G — Copy - to Mr. Hoopes
Exhibit 2 F & G - Copy - to Hoopes & Sessions

~~Teton River Study Site~~
½ mile downstream
Is there a Δ in slope that is commonly accepted — Inflexion
Minimum flow determined 1977
Ideal or Optimum = 55 or 56 ~~cfs~~ Bitch Ck
Opinion -
Ideal or Optimum = ~~½~~ 200 cfs

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X-exam

Mr. Hoopes — How are streams for instream flows determined — Why was this section studied — What would have been the flow if the reach had been moved downstream ½ mile — The flows

x-exam>

Believed that the site studied was the most critical area —

2nd witness - Steve Elle - [redacted]

Regional Fisheries Manager since 1984 —

[redacted] 2 years research assistant on Teton River —

Familiar with the stream reaches —

— Exhibit #3 Fish & Game Completion Report
→ Exhibit #4 Jeppesen Report
→ Exhibit #5 Page from exhibit 3 Bitch Creek
— Exhibit 6 " " " 3 Teton River

} Admitted

— Exhibit 7 - 13 Photos > Admitted
— Fish range up to [redacted] to 19"
— Bitch Creek will not be planted —
Cutthroat is a preferred species of fish —
— Bitch Catch rate 1.1 to 2 fish per hour —
— Opinion is the 28 cfs is needed to maintain values
- Recreational Fishery
- W.Q. Temperature would increase with reduced flow.
- Aesthetic.

Teton River

Rainbow - 21" & 22" Fish —

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Mr. Elle (cont.)

F

X-exam by Hoopes —

Why 20 cfs & 50 cfs — Because the Fall River R E A had sufficient right to dry up the stream - compromise —

—

Economic analysis —

→ Condition to subordinate to existing exchange pumping —

X-exam by Mr Sapiro

X-exam by Mr Ralston —

Kenneth Nielsen - Senior Conservation Office — Since June 1965

X-exam —

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John Sessions - State Representative
Statement - Object to Teton River
No Objection to Bitch Ck. -
Would preclude future development →
Question necessity of establish minimum flow now -
Teton River could by fixed -
If it ain't broke why fix it -
Agriculture is still the backbone of the economy -
Concern over the agreement between Fall River & Fish & Game -
Must condition -

Mr. Hoopes - ECHO Ranch, Teton Pipeline, Mark & Jay Ricks -
except Ray Brown Farms
1. F&G hasn't shown a need for minimum flow.
2. Potential expense if exchanges are not protected.
Expense incurred in good faith that the water would be available
→ 42-1503 - no interference with existing water right
Must be in the public interest - 42-203 A-(6) affairs of the people in the local area.
3. Fish have not been affected by diversion - in recent years no need for min. flow.
4. Natural causes creates a lower flow than minimum requested
5. Application is based on erroreous study -
Too old. →

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Gene Ralston →
1st Witness - Bruce Morely - President Energy Corp
Would like decision postponed →
Statement - by Ralston - Methodology is outdated -

(5)

Energy Gap Exhibit 1 Admitted

Glen Nelson ~~—~~ Represent Self – Farmer on Teton River – Exchange –

Ronnie Ard – Representing Fremont Madison Irrigation Co.
1. ~~Have~~ Not sufficient information to grant Teton River Application
2. Concerned
3.

→ Need measuring device if Permit Granted →

Jay Ricks — Represent Self – Farmer on Teton River
Diverting since 1977 —
Diversion is within the reach →

Arnold Kunz — Victor
Opposed to minimum flow filing — Teton County Commissioner

Rebuttal Statement –
Goddard – 5 factors →

— Record left open for 15 days

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HEARING NOTES - Water Resource Board Member

- The requests for ~~a~~ minimum stream flows in Birch Creek & the Teton River were ~~was~~ submitted to the Idaho Water Resource Board by the ID Dept of Fish & Game.

- On June 19, 1981 the Board reviewed the requests with the intent that any minimum stream flow water right:

    1) Would not interfere with any vested water right, permit, or water right application;

    2) Is in the public, rather than private interest;

    3) Is necessary for the preservation of fish & wildlife habitat, aquatic life, recreation, aesthetic beauty, navigation, transportation or water quality of the stream;

    4) Is the minimum flow and not the ideal flow; and,

    5) Is capable of being maintained.

- Although full information about these factors was not available at the Board meeting, Birch Creek & the Teton River appeared to be ~~a~~ worthy MSF candidates on first review. The Board opted to file the applications with the IDWR, and to view the matter more closely in a public information meeting. Therefore, the Board filed the applications on June 19, 1981.

- An informal public meeting was held on September 27, 1984, in Driggs. Based on public input received at this meeting and afterward, the Board adopted a resolution on November 2, 1984, requesting the Director to proceed with administrative actions on ~~the~~ the Birch Creek application. ~~Based on the submittal of additional information, the Board adopted a resolution on December 13, 1984 requesting the Director to proceed with ad~~

- At the November 2, 1984, Board meeting the minimum stream flow application on the Teton River was also discussed. The Board expressed a concern about the relationship between the minimum flow filing and the Felt Dam hydroelectric project being constructed by the Fall River Rural Electric Cooperative. The Board decided to table the matter temporarily.

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- Based on additional information provided to the Board at a meeting on December 13, 1984, the Board requested the Director to proceed with administrative actions on the Teton River minimum flow application, provided that the minimum flow in the reach partially dewatered by the Felt power plant diversion

(over)

be reduced to coincide with the flows established in the Agreement dated February 16, 1982 between Fall River Rural Electric Cooperative, Inc., and the Idaho Department of Fish & Game.

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11-21-1985

## Full Parties

IWRB

ID FG - Steve Goddard — Represents all the irrigators except one

Roger Hoopes — ECHO Ranch — Teton Pipeline Association. Mark & Jay Ricks

Leigh Chantrill — not present —

Energy Gap ← ~~Bruce Moroney~~ Gene Ralston ← not an attorney —

John Sessions — State Representative —

## Testimony ?

~~Bruce Moroney (Energy Gap, Inc.)~~

John Brown

## Hearing Letters

### Pro

Bruce A. Staples

### Con

John Brown
Energy Gap, Inc.
Ted S. Sorenson
John C. Arkoosh

## Meeting

### Pro

- Chi Melville
- Dennis G. Bitton
- Ralph W. Moon
- George Wentzel
- Bruce A. Staples
- Buck Goodrich
- Hobart & Martha Callan
- David & Juli Trapp
- Victoria Ruwitch
- Claire Lavendel
- Ralph Maughan

### Con

- Freemont-Madison Irr Dst
- H-T Ranch (John C. Briggs)
- Rex Ard
- Ronnie Ard.
- Glen D. Nelson

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MFS NOTES

- Be Sworn

- Name - David R. Tuthill, Jr.

- Address - 4639 Cochees, Boise, ID

- Employed by the Idaho Department of Water Resources

- The position in which I am now acting is Supervisor, Water Allocation Section. I held this position for 5 years and recently assumed the duties of another position in the Department. I have been employed by the Department for more than 9 years. I am registered as a Professional Engineer in Idaho.

  My statement will include:

  1) A chronology of Department activities to date with respect to the application.

  2) Information on existing water rights and hydrology that the Director may use in his action on the application.

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(1) - On June 19, 1981 the Idaho Water Resource Board filed with the Idaho Department of Water Resources two application for permit for ~~a~~ minimum stream flow purposes ~~The application was numbered~~ in the Teton River drainage basin. The application on the Teton River was numbered 22-7369 and the application on Bitch Creek was numbered 22-7370.

- Copies of the apps were sent to interested state agencies, and they were advertised in the Teton Valley News.

- The Idaho Water Resource Board conducted a public meeting on September 27, 1984 to assess public interest with respect to the two applications. In response to this meeting the Department received 11 letters supporting the minimum flow on the Teton River and 4 letters opposed for the Teton River. After the meeting, the Board approved a resolution on Nov 2, 1984 requesting the Director of this Dept to proceed with administrative actions ~~with r~~ on the Bitch creek application, and on December 13, 1984 the Board approved a resolution requesting the Director to proceed with administrative actions on the Teton River application.

Published in
Teton Valley News
Post-Reg
Ashton Herald
Chronicle News

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Prior to today's hearing the Dept received one letter in favor of the MSF on the Teton River and 4 letters opposed for the Teton River.

This hearing was announced in the following ways:

- A formal public notice was published on 10/17 & 10/24/85 in the Teton Valley News
  Post Register
  Ashton Herald
  Fremont Co. Chronicle
  Id Statesman
  Lewiston Morn Tribune
  and Times News
- A news release was distributed to Eastern Id media.
- Letters were sent to
  - Water users
  - Riparian Landowners
  - Interested parties (attenders of the pub mtng)
  - Legislators.

(2) – Present Exhibits

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# Relationship Between the Idaho Water Resource Board and the Idaho Department of Water Resources

Governor of the State of Idaho

Appoints → 8 Member Board

Idaho Water Resource Board

(Policy-Setting Board)

Appoints → Director

Idaho Department of Water Resources

(State Agency)

---

Interactions between ~~IDWR & IDWR~~ IWRB & IDWR

IDAHO WATER RESOURCE BOARD

IDAHO DEPARTMENT OF WATER RESOURCES

~~Responsible~~

Files Apps for Min Strm Flows →

← Provides Staff Support

~~Be~~ Establishes Water Policy for the State →

Prepares decisions on Min Stream Flows

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Hearing Officer - Bob Fleenor
Hearing on MSF's for Bitch Creek and Teton River
Driggs, Id Thurs Nov 21, 1985 9:30 am Teton West Motel Conf Rm

Full Parties

John Sessions - State rep requested to be a full party
Gene Ralston - Represents Energy Gap, Inc.
Roger Hoopes - Ebco Ranch & Teton Valley Pipeline Assn.
Steve Goddard - IDFG
Dave Rydalch - IWRB

- Initial Remarks off the record by Bob Fleenor

Tape 1
Tape 2 - D. Tuthill Info from notes - see notes

IDFG
- Wants copies of exhibits (1 → 12)

→ Copies - to all full parties by request

→ Copy of IDFG agreement to Roger Hoopes

→ # 2, 7, 6 copies of exhibits to Dan

- IDFG
- Tim Cochnauer - Lewiston Id
  - Fish species available were Rainbow trout, Brook trout, and cutthroat trout.
  - Study sites were located on both Bitch Creek and the Teton River.
  - Optimum flow for Bitch Creek would be 55 or 56 cfs
  - Optimum flow for Teton River would be

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X exam (Hoopes) How is the transect selected representative of canyon flows?
Response: Transect selected is the most representative for the min flow reach

X exam by Hoopes Cont:

Tape 4

Ques: The transect where the study was made is a slow moving portion of the stream. 85% of the stream is a fast-moving canyon. If the flow characteristics at the transects is changed, would the required flow be changed?
Ans: Yes - it could go up or could go down.

- Steven Elle
- Bitch Cr. is primarily a wild trout stream
- Sizes from juvinile to 18-19" trophy fish
- Density of cutthroat was high in Bitch creek at the time of sampling data
- Hatchery supplementation is not planned for Bitch Cr. - No cost outlay for IDFG
- Valued as a fishery because of large sizes
- Cutthroat fish receive preferential management
- It appears that Bitch Creek is a spawning stream for the Teton River.
- Catch rate is in excess of 1 fish per hour (compares with catch rate on Henry's Fork)
- If flows in Bitch creek are reduced, water quality will suffer because of temperature changes (to both hot and cold)
- Aesthetic value is tied to the water flowing in the canyon

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Teton R. Primarily wild rainbow, brook & cutthroat.
- Some planted rainbow trout near HWY 33.
- Primary spawning on upper half of the MSF reach

Steve Elle (Teton R) cont
- Wild trout reach 20" to 21" (trophy)
- Stream is a benefit because most of the fish are wild
- Catch rate in 1980 was ≈ 2 fish/hour - primarily sustained by the wild trout fishery

Tape 5 X exam (Hoopes)
- Q: Did you have input on the MSF reach? A: No
- Q: Did you have input on the Felt dam agreement? A: No, but in talking w/ Virgil Moore, because Felt Dam had prior rts., IDFG was willing to come to the flows identified in the agreement

X exam (Ralston)
- Q: Is 106 cfs enough to prevent anchor ice? A: I don't know
- Q: Does IDFG plant fish at the Hwy 33 bridge? A: yes
- Q: Does Felt dam block migration? A: yes, now, but not when the stream is laddered.

Ken Nielsen, Driggs
Sr Consv off for IDFG since June, 1965.
Enforces F & G laws & collects data
Has had this patrol area since April, 1980. Is familiar with the fishery in this area.
- There is a migration of elk & deer down Bitch Creek in fall & up in spring.
- Deer winter in the Teton R. in this reach (several hundred).

X exam (Hoopes) A. Wildlife are not affected by the stream flow rate

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Rep John Sessions - Driggs
- Questions need for establishment of a MSF in the Teton R.
- Perhaps there is a need for establishment of a MSF on Bitch Cr.
- Seems that this MSF will preclude upstream consumptive use development.
- "If it ain't broke why fix it".
- We must consider potential ag. needs. The backbone of the economy in this area is ag. rather than tourism
- Livelihood depends on ag.
- Has concern about the agreement with IDFG.

Roger Hoopes
- Represents all pumpers & irrigators except for Ray Brown farms that divert along the Teton R. in the MSF reach
- No need shown yet for 106 cfs
- Concerned about economic impact
- Prior to 1973, 1974 all of this area was dry-farmed.
- Owners were encouraged to develop irrigated ~~crop~~ farms based on Teton R. water.
- When Teton dam failed, they were not reimbursed
- Exchanges created by
  - Crosscut diversion
  - Exchange wells
- So - Irrigation now occurs
- Exchanges have been filed ~~and approved - these need~~ filed at high cost and must be protected
- Local public interest - against approval
- Only use shown is fishery, which has improved since pumping began in 1973.

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Roger Hoopes, Cont.
- The application is based on an erroneous Study
  1) Conditions have changed since the study was conducted
  2) The transect area on Teton R. is different in character than the majority of the reach. Depth, Slope, velocity, stream width are all different through the canyon than at the ~~lower~~ transect reach.
- Encourages the Board to reject the app't not
- Only interested in the Teton R. - no interest in the

- Bruce Morely - Jackson. Wyo
  - President of Energy Gap, Inc.
  - Has Preliminary Permit for new hydro plant upstream from Felt
  - Would like to see the app't postponed
  - Envisions a penstock (buried perhaps) which would divert ≈ 2 miles upstream from Felt and would reinject ≈ ½ mile upstream from Felt.
  - Agrees with the concept of a min stream flow
  - Federal Prelim Permit grants a 36 month study period. Granted June 1985
  - "Time is not of the essence" since Energy Gap Inc has exclusive study rts for this study site.

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- Gene Ralston
  - It appears that the transect does not represent min flows in the canyon portion.

Gene Ralston, cont.
- The Felt dam bypass flow is the weak link in the Teton fishery

→ Fish & Game will supply a copy of the Felt Dam agreement to all full parties & the Dept

Public Statements

Glen Nelson Tetonia
Farmer - began irr from river in Mid - 1970's
Protests the Teton R. portion

Ronnie Ard - Newdale - Represents Fremont Madison Irr Dist
Against Teton R. min flow app - too little data.
Invested millions of dollars in irrigation system
- Not contemplated to add irrigated land at this time.
- Possible to add irrigated lands in the future.

J. C. Ricks - Rexburg
Agrees w/ Mr. Nelson & Mr. Ard
- Irrigates ≈ 200 acres
- Opposes min flow on both Bitch Cr. & Teton

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Arnold Kunz Victor
- Opposed to min flow - Both filings
- Teton Co Commissioners

Final Arguments

IDFG

- No evidence to show that prior rts will be injured
- filing is in the private interest
- Other requirements are met.

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List of Exhibits

| IDWR | Topic | Admitted |
|---|---|---|
| # 1 | Bitch Cr. filing Info | ✓ |
| 2 | Bitch Cr Schematic Diagram | ✓ |
| 3 | Bitch Cr. Hydrographic Info | ✓ |
| 4 | Natural flow - Snake R. Nr Heise | ✓ |
| 5 | Teton R. filing Info | ✓ |
| 6 | Teton R. Schematic Diagram | ✓ |
| 7 | Summary Hydrograph | ✓ |
| 8 | Natural flow - Snake R. Nr Heise | ✓ |
| 9 | Teton R. Hydrology | ✓ |
| 10 | Felt Dam Site Flow Duration Curve | ✓ |
| 11 | Felt Dam Site water rts | ✓ |
| 12 | Teton River FMID exchange info | ✓ |

IDFG

| | | |
|---|---|---|
| 1 | Tim Cochnauer Resume | ✓ |
| 2 | Job Perf Rpt F-69-R-3 | ✓ |
| 3 | Fish Pops in Teton R. | ✓ |
| 4 | Teton Riv Fish Inves dated April 1981 | ✓ |
| 5 | Bitch Cr. Area of Interest | ✓ |
| 6 | Teton R. area of Interest | ✓ |
| 7 → 13 | Slides of MSF area | ✓ |

Energy 6aP Inc.

| | | |
|---|---|---|
| 1 | Felt Dam agreement w/ coverletter | ✓ |

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DEC 16 1999

Water Right No.: 22-7370

Source: Bitch Creek

Applicant: Idaho Water Resource Board

Requesting Agency: Idaho Department of Fish and Game

Date Application Filed: June 19, 1981

Rate of Flow: 28 cfs

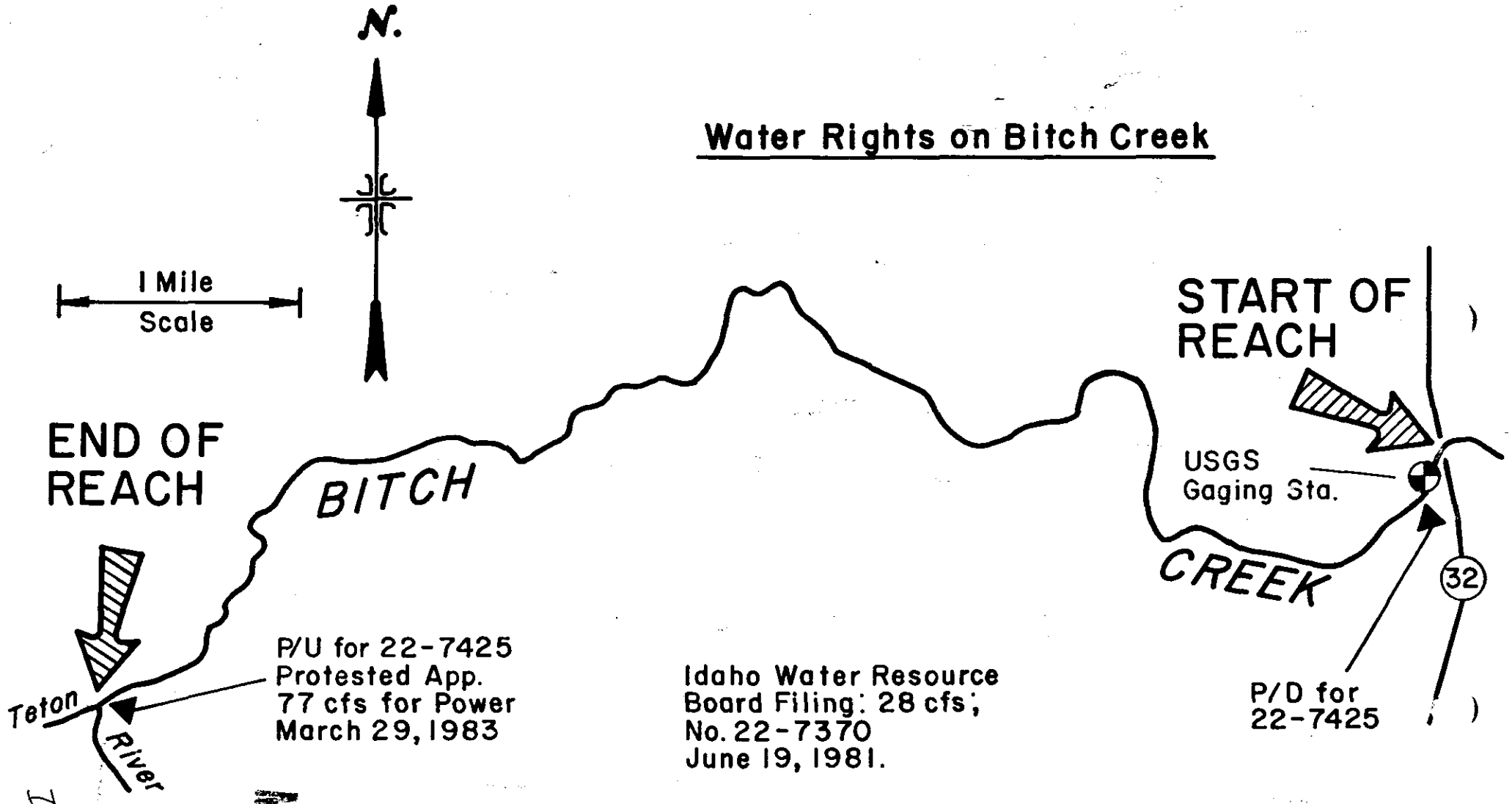
Location: From the confluence with the Teton River upstream about 6 miles to State Highway 32.

Purpose: To maintain spawning and rearing of game fish.

IDWR STAFF
EXHIBIT # 1

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# Water Rights on Bitch Creek




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IDWR STAFF EXHIBIT
# 2

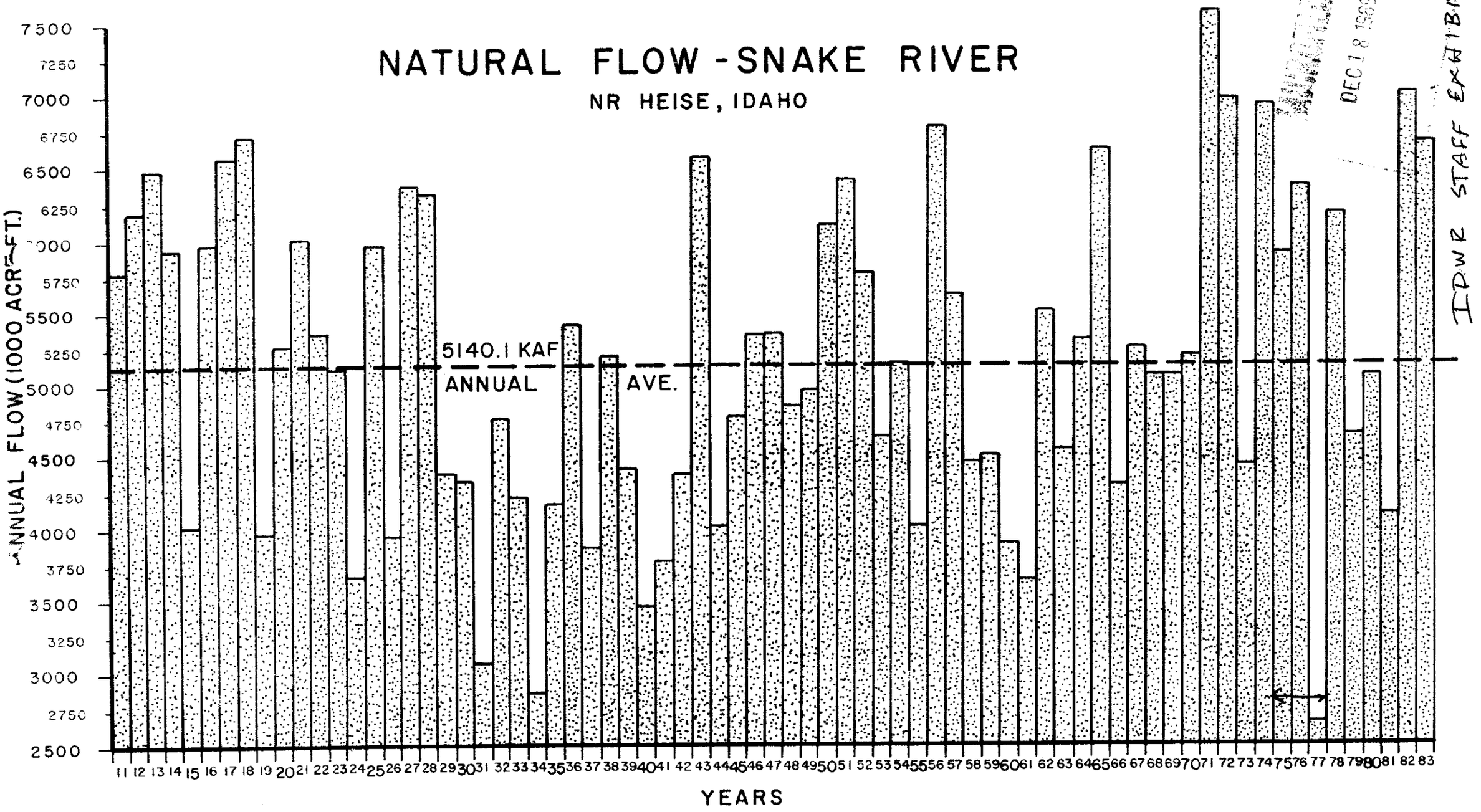
## BITCH CREEK HYDROGRAPHIC INFORMATION

Measurements made at USGS Gaging Sta. 13054300

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1975 | 44 | 35 | 33 | 30 | 28 | 27 | 32 | 182 | 908 | 665 | 114 | 54 |
| 1976 | 51 | 43 | 41 | 37 | 37 | 33 | 64 | 788 | 659 | 336 | 117 | 66 |
| 1977 | 50 | 36 | 31 | 29 | 27 | 27 | 84 | 226 | 264 | 47 | 38 | 36 |

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EDWR STAFF
EXHIBIT #3


NATURAL FLOW - SNAKE RIVER
NR HEISE, IDAHO
ANNUAL FLOW (1000 ACR-FT.)
7500
7250
7000
6750
6500
6250
6000
5750
5500
5250
5000
4750
4500
4250
4000
3750
3500
3250
3000
2750
2500
5140.1 KAF
ANNUAL AVE.
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83
YEARS
IDWR STAFF EXHIBIT #4
DEC 18 1992

MINIMUM STREAM FLOW
FACTS

Water Right No.: 22-7369

Source: Teton River

Applicant: Idaho Water Resource Board

Requesting Agency: Idaho Department of Fish and Game

Date Application Filed: June 19, 1981

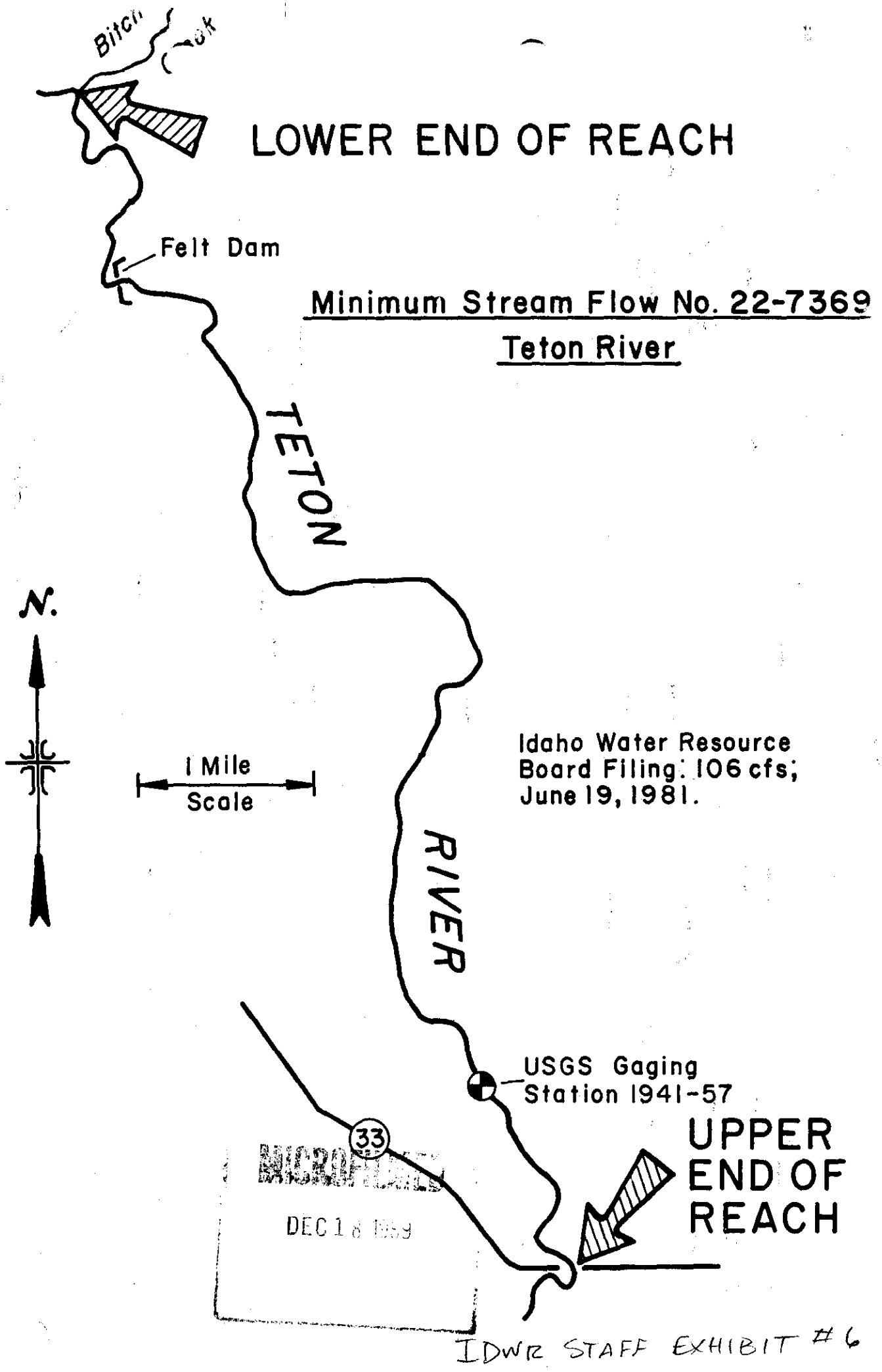
Rate of Flow: 106 cfs

Location: From the confluence with Bitch Creek upstream about 9 miles to State Highway 33.

Purpose: To maintain trout habitat.

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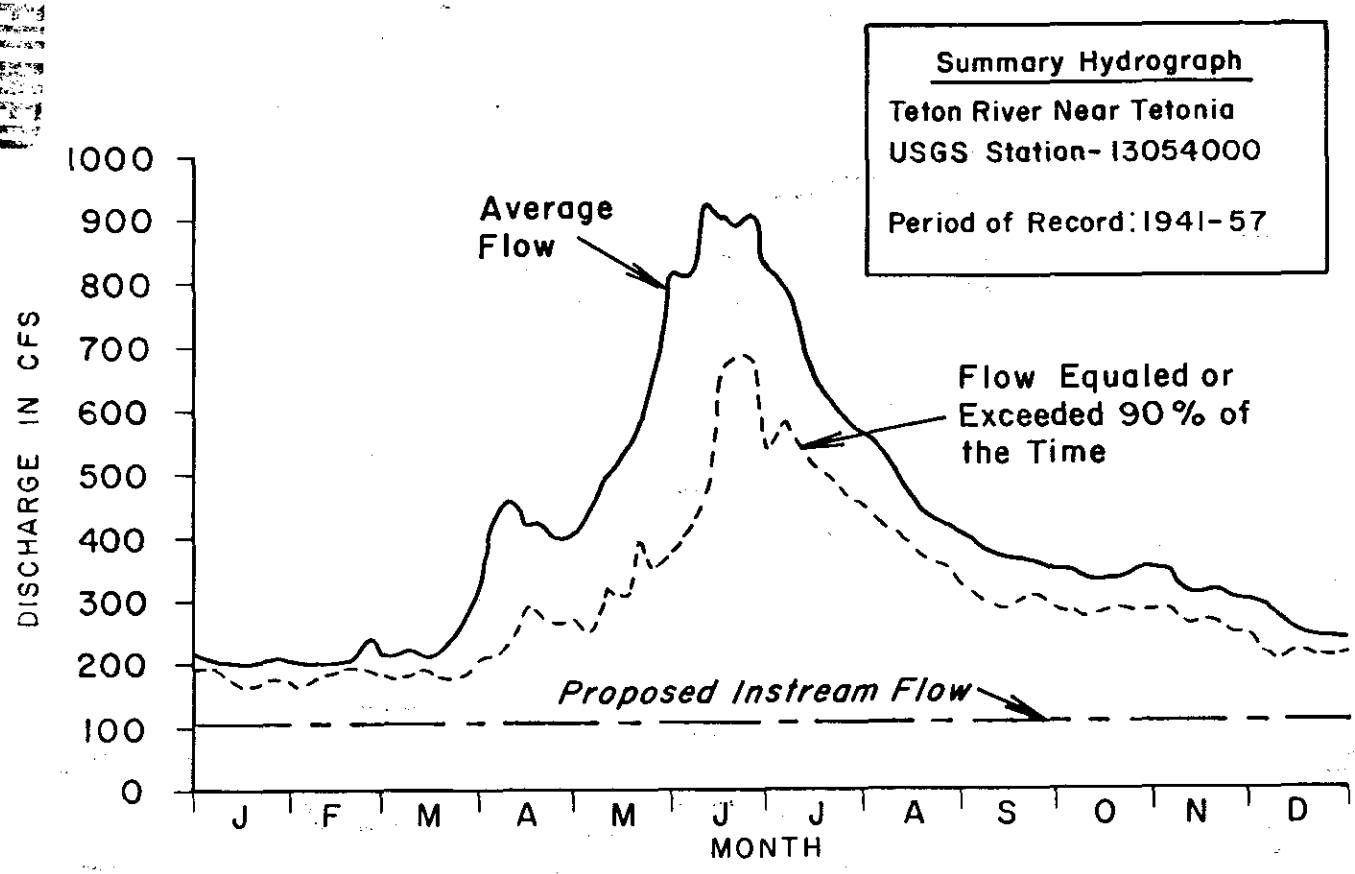
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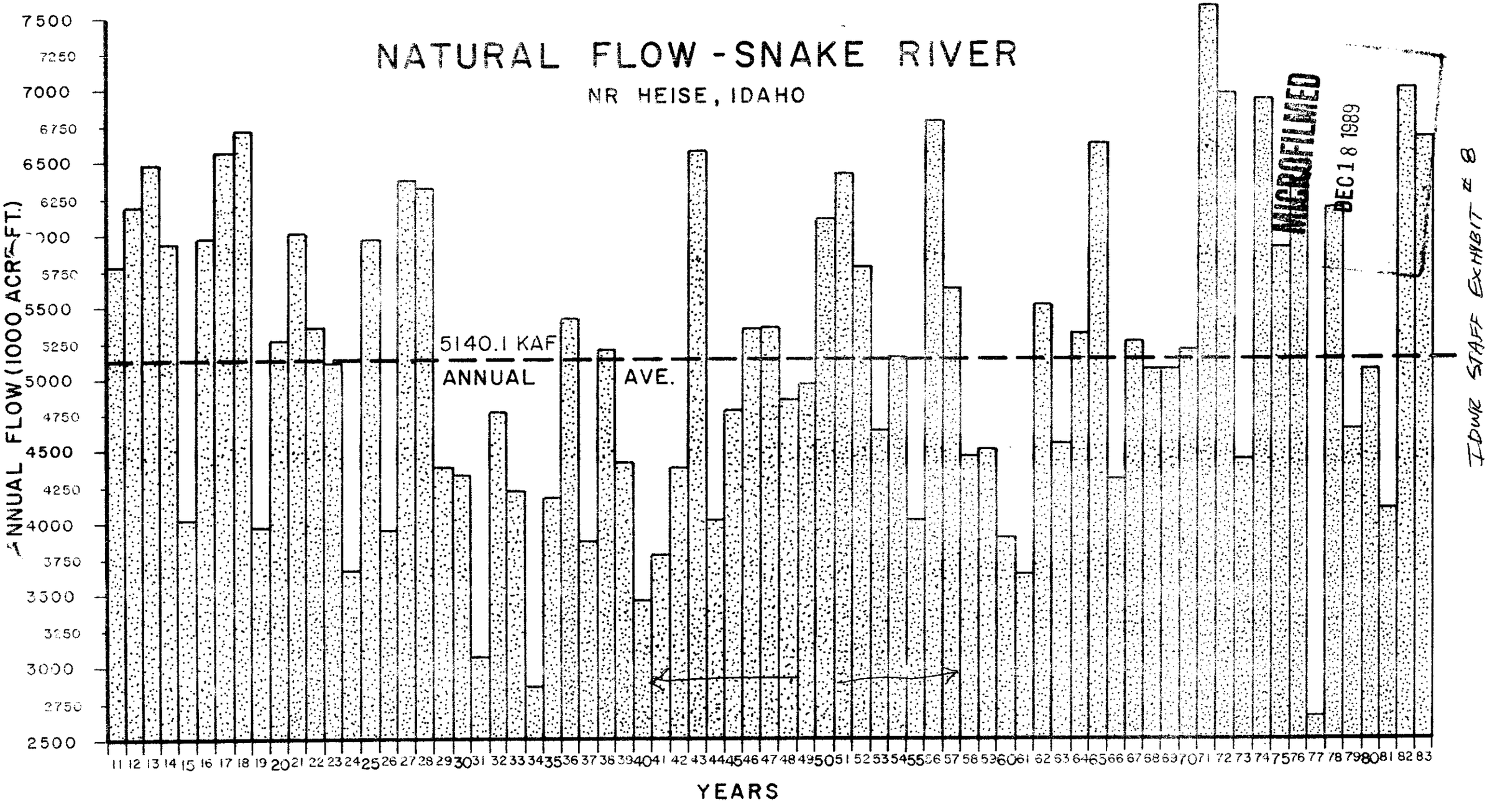



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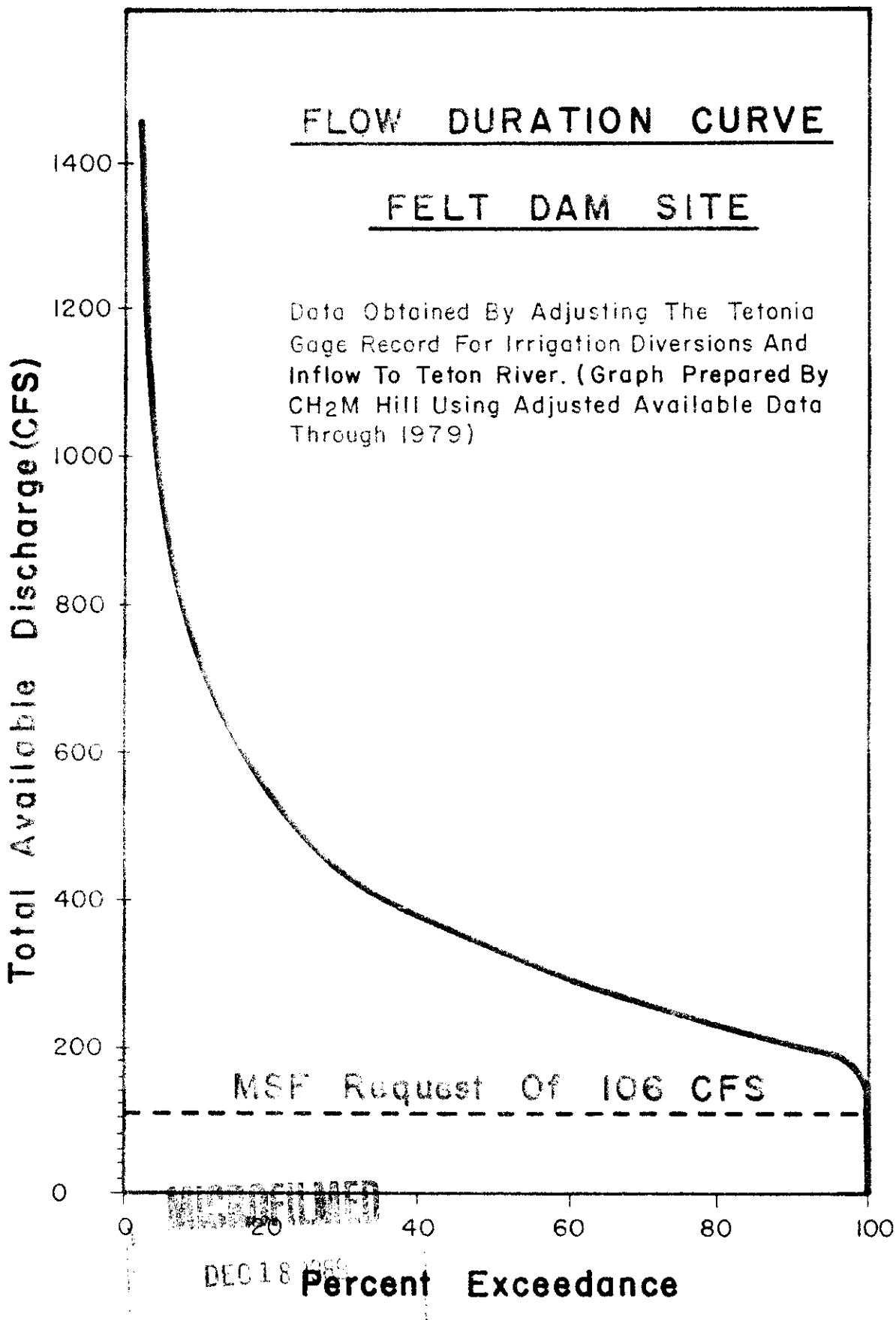

NATURAL FLOW - SNAKE RIVER
NR HEISE, IDAHO
ANNUAL FLOW (1000 ACR-FT.)
7500
7250
7000
6750
6500
6250
6000
5750
5500
5250
5000
4750
4500
4250
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3750
3500
3250
3000
2750
2500
5140.1 KAF
ANNUAL AVE.
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83
YEARS
MICROFILMED
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IDWR STAFF EXHIBIT # 8

TETON RIVER HYDROGRAPHIC INFORMATION

- Gage located 1-1/2 miles downstream from upper end of MSF reach: period of record 1941 - 1957
- Miscellaneous readings indicate that the MSF reach is "gaining"
- Minimum flow of record: 62 cfs (probably due to ice conditions)

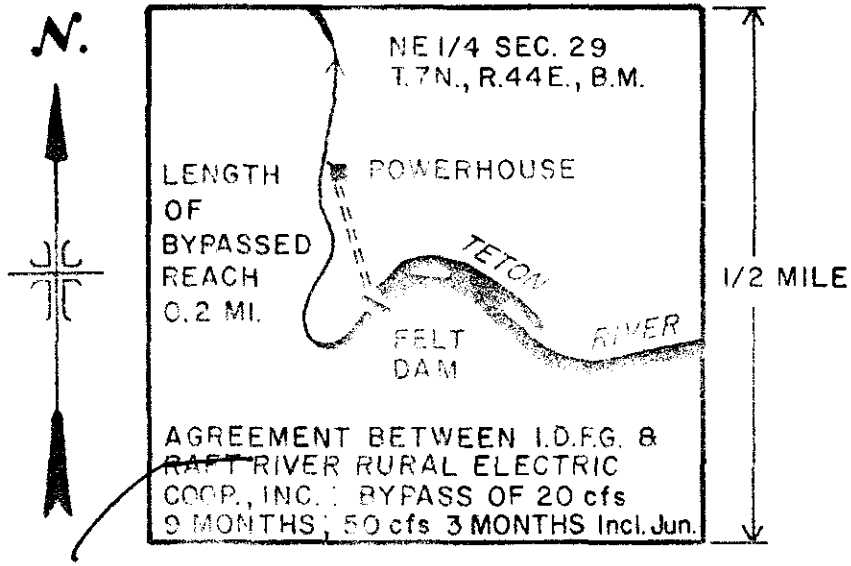
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IDWR Exhibit # 9




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IDWR STAFF EXHIBIT # 10




IDWR STAFF EXHIBIT #11

## Felt Dam Water Rights

| No. | Priority | Stage | C.F.S. |
|---|---|---|---|
| 22-0606 | 10-01-1921 | D | 80.0 |
| 22-2123 | 11-17-1936 | L | 70.0 |
| 22-2126 | 02-02-1946 | L | 150.0 |
| 22-7351 | 03-18-1981 | P | 300.0 |
| 22-7482 | 10-03-1984 | P | 80.0 |
| | | | 680.0 |

\+ 204.0

884.0

22-

} Described in Testimony

IDWR STAFF EXHIBIT # 12

FISH AND GAME
EXHIBIT ID. 1
Admitted 11-21-85
IDF

Tim Cochnauer
Principal Fishery Research Biologist
Idaho Department of Fish and Game
Lewiston, Idaho 83501

Education:

Bachelor of Science, University of Oklahoma, Norman, Oklahoma
Master of Scence, University of Oklahoma, Norman, Oklahoma
Doctorate Fishery Resources, University of Idaho, Moscow, Idaho

Instream Flow Experience

Idaho Department of Fish and Game: Project Leader, Instream Flow Investigations, 1974-79. Identified flow needs for fish and wildlife resources on approximately 100 streams or stream reaches in Idaho.

Idaho Department of Fish and Game: Project Supervisor, U.S. Bureau of Land Management Instream Flow Investigations. 1979-83. A four year study to determine instream flow needs on 60 streams located on BLM lands throughout Idaho.

Intragovernmental Personnel Assignment to U.S. Fish and Wildlife Cooperative Instream Flow Group, 1977. Assisted in development of new methodologies for determining instream needs for fish and wildlife.

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Conferences, Workshops, and Seminar Participation:

American Fisheries Society Instream Flow Needs Conference, 1976, Boise, ID

Pacific Fishery Biologists Instream Flow Session, 1976, Ocean Shores, WA

U.S. Fish and Wildlife Service Instream Flow State-of-the-Art Workshop 1975, Logan, UT

Idaho Water Resource Research Institute Instream Flow Seminar, 1978, Moscow, ID

U.S. Fish and Wildlife Service Instream Flow Conference, 1977, Boise, ID

U.S. Fish and Wildlife Service Instream Flow Computer Programs Workshop, 1977, Salt Lake City, UT

U.S. Fish and Wildlife Service Water Law Short Course, 1977, Fort Collins, CO

American Fisheries Society, Nevada Chapter, Instream Flow Seminar, 1977, Las Vegas, NV

Idaho Department of Fish and Game Instream Flow Training Workshop, 1981, Lewiston, ID

U.S. Fish and Wildlife Service Instream Flow Strategies and Applications Workshop, 1982, Portland, OR

U.S. Fish and Wildlife Service Instream Flow Group Training Session on Use of the Computer Based Physical Habitat Simulation System, 1984, Fort Collins, Co

U.S. Fish and Wildlife Service Training Workshop on Habitat Evaluation Procedures, 1985, Boise, ID

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Cochnauer, T. and L.B. Mabbott. 1981. Instream flow study, Bureau of Land Management. Annual Report, April 1981. Idaho Department of Fish and Game.

_____ and R.G. White. 1975. Stream resource maintenance flow studies, 1975. A Cooperative Study; Idaho Department of Water Resources, Idaho Department of Fish and Game and Idaho Cooperative Fishery Research Unit.

Horton, W.D. and T. Cochnauer. 1979. Instream flow methodology evaluation, biological criteria determination, and water quality needs for selected Idaho streams. Stream Evaluation Project, Western Water Allocation Project, Contract No. 14-16-0001-77090. U.S. Fish and Wildlife Service.

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Publications and Articles

Bovee, K.D. and T. Cochnauer. 1977. Development and evaluation of weighted criteria, probability of use curves for instream flow assessments; fisheries. Instream Flow Information Paper No. 3. Cooperative Instream Flow Service Group, U.S. Fish and Wildlife Service. Fort Collins, CO.

Cochnauer, T. 1976. Idaho Department of Fish and Game instream flow program status. In: Instream Flow Needs and Competing Uses for Water. Proceedings of a Joint Water Resources Seminar of the University of Idaho and Washington State University.

_____. 1976. Stream resource maintenance flow studies, 1976. Job Performance Report. Idaho Department of Fish and Game.

_____. 1976. Instream flow techniques for large rivers. Instream Flow Needs, Vol. II, American Fisheries Society, 1976.

_____. 1977. Snake River stream resource maintenance flow studies, 1975-76. A report with recommendations to the U.S. Bureau of Reclamation, Boise Office. Idaho Department of Fish and Game.

_____. 1977. Stream resource maintenance flow studies, 1977. Job Performance Report. Idaho Department of Fish and Game.

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_____. 1977. Snake River (American Falls Dam to Lake Walcott) stream flow study, 29 October - 10 November 1977. Idaho Department of Fish and Game.

_____. 1980. Stream flow investigations. Job Completion Report. Idaho Department of Fish and Game.

_____ and E. Buettner. 1978. Stream flow investigations--stream resource maintenance flow determinations on Idaho streams. Job Performance Report, Project F-69-R-3, Job No. II. Idaho Department of Fish and Game.

_____ and W.D. Horton. 1981. A reference workbook for determining instream flow needs in Idaho. Idaho Department of Fish and Game.

_____ and N.R. Hoyt. 1979. Stream flow investigations--stream resource maintenance flow determinations on Idaho streams. Job Performance Report, Project F-73-R-1. Idaho Department of Fish and Game.

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Vol 40, No 8
Fish and Game
Exhibit #2.
Admitted 11-21-85
DDF

# IDAHO
# DEPARTMENT OF FISH & GAME

Joseph C. Greenley, Director

FEDERAL AID TO FISH AND WILDLIFE RESTORATION

Job Performance Report

Project F-69-R-3

STREAM FLOW INVESTIGATIONS

Job II. Stream Resource Maintenance Flow Determinations on Idaho Streams

Period Covered: 1 July 1977 to 28 February 1978

by

Tim Cochnauer
Senior Fishery Research Biologist

and

Edwin Buettner
Biological Aide

June, 1978

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## OBJECTIVES

To determine stream resource maintenance flows for the Snake River above American Falls Reservoir and to include the major tributaries in that section (Henrys Fork and South Fork).

## TECHNIQUES USED

Stream resource maintenance flow recommendations were determined by use of the U. S. Bureau of Reclamation water surface profile computer program as presented in Idaho Fish and Game Resource Maintenance Flow Studies, 1976 (Cochnauer 1976).

Fish rearing flow recommendations are determined by the relationship of the wetted perimeter and discharge (Cochnauer and White 1975). The quantity of water for rearing (food production) was selected at the inflection point of the curve where wetted perimeter increases slowly while the discharge increases rapidly (Appendix, Figs. 1-38).

Stalnaker and Arnette (1976) list a range of velocities and minimum depths for fish spawning. In an attempt to provide adequate spawning criteria for a range of fish sizes of a given species and different fish populations, the listed criteria for this study (Table 1) are averages of the criteria presented by Stalnaker and Arnette. Usable spawning widths over a range of flows are determined by totaling the segment widths of a spawning transect which meet both velocity and depth criteria for a given species. The recommended spawning flows are designated at 80% of the total available spawning habitat for each study section, and incubation flows are two-thirds of the recommended spawning flows (Thompson 1972).

Table 1. Spawning criteria for fish species in study streams.

| Species | Velocity | | Depth | |
|---|---|---|---|---|
| | cm/s | fps | cm | in |
| Rainbow trout | 34-39 | 1.1-2.9 | 15 | 5.6 |
| Cutthroat trout | 24-79 | 0.8-2.6 | 12 | 4.7 |
| Brook trout | 9-64 | 0.3-2.1 | 12 | 4.7 |
| Brown trout | 31-70 | 1.0-2.3 | 17 | 6.8 |
| Kokanee salmon | 20-65 | 0.66-2.1 | 12 | 4.7 |
| Chinook salmon | 34-95 | 1.1-3.1 | 24 | 10.0 |
| Steelhead trout | 34-92 | 1.1-3.0 | 20 | 8.0 |
| Dolly Varden | 34-64 | 1.1-2.1 | 20 | 8.0 |

Stream resource maintenance flow methodologies for wildlife are more poorly known than those for fish. Along the Snake River and tributaries, furbearers and waterfowl are of as much concern as are fish. The furbearers inhabiting the study streams are dependent on riparian habitat for food, shelter, etc, and on aquatic organisms for food. The stream resource maintenance flows recommended for fish are assumed to be adequate to provide

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riparian habitat and food organisms for furbearers.

An important consideration in the recommendation of stream resource maintenance flows in the upper Snake River drainage is the freezing of smaller streams at low flows. Instream methodologies do not provide guidelines regarding reduced flows and freezing. Until techniques become available, a stream resource maintenance flow equaling the natural flow will be recommended on critical streams during periods (December through February) when freezing could be expected.

Henrys Fork Snake River and South Fork Snake River have been designated as critical waterfowl nesting streams. Geese and some ducks utilize the many islands of each of these streams for nesting during the spring. Stream resource maintenance flow recommendations for waterfowl are based on maintaining the integrity of these islands. A low flow may render the island a part of the mainland thereby subjecting the nesting adults, unhatched eggs and juveniles to increased harassment by humans, livestock and predators. A high flow may result in flooding of established nests or cause breeding pairs to nest in less suitable locations, or not at all.

Initially, South Fork Snake River was designated as a waterfowl nesting study stream, but due to the complexity of the islands at known waterfowl nesting areas no reliable data were collected. Recommendations for desired waterfowl nesting flows on South Fork have been made in previous studies and will be utilized in this report.

Study site HFHP on Henrys Fork Snake River was located on a known nesting site subject to annual flooding. Elevation of the island was determined and designated as the maximum allowable water level during the nesting period (Appendix, Fig. 28). Minimum water surface level to maintain the island integrity was determined from the channel graph. The minimum and maximum water surface elevations were related to predicted discharges to determine minimum and maximum flows during the nesting period.

Extreme fluctuation of flows probably do have an adverse impact on fish and wildlife resources but have not been identified in this report. Fluctuations of flows within the defined minimum and maximum recommendations are assumed not to be detrimental to the populations.

Fish and wildlife resources are listed for each stream or stream section in Table 2. Stream resource maintenance flows are presented for life history phases of each species (Appendix, Table 12). Periodicity charts for fish and wildlife life history phases are given in Appendix, Tables 2-11. Flows are recommended for each month on the basis of the highest minimum flow for all species in each stream section and the lowest maximum flow where waterfowl are concerned. New flow recommendations for these streams may be made in future report when circumstances warrant (new or improved methodologies, changes in species compositions, etc.).

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Table 2. Important fish and wildlife resources in study streams.

| Stream | Kamloops trout | Rainbow trout | Cutthroat trout | Brook trout | Brown trout | Dolly Varden | Steelhead trout | Chinook salmon | Kokanee salmon | Mountain whitefish | Smallmouth bass | Canada goose | Mallard duck | Beaver | Muskrat | Otter | Mink |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grouse Creek | X | | X | X | | X | | | X | X | | | | X | X | | |
| Lightning Creek | X | | X | X | | X | | | X | X | | | | X | X | | |
| Lemhi River | | | | | | | | | | | | | | | | | |
| Leadore to Big Springs Creek | | X | X | X | | X | X | X | | X | X | | | X | X | X | X |
| Tendoy to mouth | | X | X | X | | X | X | X | | X | | | X | X | X | X | X |
| Little Wood River | | | | | | | | | | | | | | | | | |
| Silver Creek to Dietrich Diversion | | X | | X | X | | | | | X | | X | | | X | | |
| Dietrich Diversion to mouth | | X | | X | X | | | | | X | X | X | | | X | | |
| Big Wood River | | | | | | | | | | | | | | | | | |
| Warm Springs Creek to Bellevue Diversion | | X | | X | X | | | | | X | X | X | X | X | X | | X |
| Malad River | | | | | | | | | | | | | | | | | |
| Gooding to Idaho Power Diversion Dam | | X | | X | | | | | | | X | | | | X | | |
| Portneuf River | | | X | | X | | | | | | | X | X | X | X | X | X |



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Table 2. Important fish and wildlife resources in study streams. (Continued)

| Stream | Rainbow trout | Cutthroat trout | Brook trout | Brown trout | Kokanee | Mountain whitefish | Canada goose | Mallard duck | Beaver | Muskrat | Otter | Mink | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Henrys Fork Snake River Henrys Lake Outlet | X | X | X | | X | X | X | | X | X | | X | | | | | |
| Big Springs to Island Park | X | X | X | | X | X | X | X | X | X | | X | | | | | |
| Island Park Dam to Warm River | X | X | X | | | X | X | | X | X | | X | | | | | |
| Warm River to Fall River | X | X | X | | X | X | X | | X | X | | X | | | | | |
| Fall River to Teton River | X | | | | | X | X | | X | X | | X | | | | | |
| Teton River to South Fork Snake River | X | X | | | | X | X | | X | X | | X | | | | | |
| South Fork Snake River to Palisade Dam to Henrys Fork River | X | X | | X | | X | X | X | X | | | X | | | | | |
| Henrys Fork/South Fork Snake River Confluence to Idaho Falls | X | X | | X | | X | X | X | X | | X | X | | | | | |
| Snake River, Idaho Falls to American Falls Dam | X | X | | | | X | X | X | X | | | X | | | | | |
| Buffalo River | X | | X | | | | | X | | | X | X | | | | | |
| Warm River | X | | X | | | X | | X | X | X | | X | | | | | |
| Fall River | X | | X | | | X | | X | X | X | | X | | | | | |
| Teton River | X | X | X | | | X | | X | X | X | X | X | | | | | |
| Bitch Creek | X | X | X | | | X | | | X | X | | X | | | | | |

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## Teton River

Teton River (Fig. 1) has its headwaters in the Targhee National Forest southeast of Victor and flows north and west for approximately 129 km (80 mi) into Henrys Fork Snake River near Rexburg. Near St. Anthony, the stream divides into the North Fork and South Fork, and enters Henrys Fork at two points 8 km (5 mi) apart. The Teton Dam was constructed near Newdale. On 5 June 1976, the earth-filled structure collapsed, resulting in the degradation of the stream below the dam site. Station TR was located approximately 300 m (328 yd) downstream of Highway 33 bridge.

Game fish populations include mountain whitefish, brook trout, rainbow trout and cutthroat trout. A study on Teton River (Irving, et al. 1977) found that on the stream above Bitch Creek, anglers fished 17,464 hours to harvest 25,442 game fish in 1974 and 18,097 hours to harvest 28,887 game fish in 1975.

Wildlife populations include mink, muskrat, beaver, otter and a variety of waterfowl. The stream in the Teton Basin above Bitch Creek supports a significant population of nesting waterfowl.

The stream resource maintenance flow recommendations are for the section of river from Highway 33 bridge to Bitch Creek. These recommendations, based on fish rearing and prevention of freezing, are as follows:

| | Jan. | Feb. | Mar. | Apr. | May | June |
|---|---|---|---|---|---|---|
| Min. cu m/s | Natural flow | | 3.0 | 3.0 | 3.0 | 3.0 |
| Min. cfs | Natural flow | | 106 | 106 | 106 | 106 |

| | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|
| Min. cu m/s | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | Natural flow |
| Min. cfs | 106 | 106 | 106 | 106 | 106 | Natural flow |

## Bitch Creek

Bitch Creek, a major tributary of Teton River, originates in the Targhee National Forest east of St. Anthony and flows for approximately 40 km (25 mi) into the Teton River (Fig. 1). Station BC was located approximately 300 m (328 yd) downstream of Highway 32 bridge.

Game fish populations in the stream include rainbow trout, cutthroat trout, brook trout and mountain whitefish. Irving, et al. (1977) found that in 1974 anglers fished an estimated 1,184 hours to harvest 5,841 game fish of which 74% were cutthroat trout and in 1975 anglers fished an estimated 1,886 hours to harvest 3,809 game fish of which 66% were rainbow trout.

Wildlife populations include mink, muskrat, beaver and otter.

The stream resource maintenance flow recommendations [illegible] Highway 32 bridge to the Teton River. The flow recommendations, based on fish rearing and prevention of freezing, are as follows:

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| | Jan. | Feb. | Mar. | Apr. | May | June |
|---|---|---|---|---|---|---|
| Min. cu m/s | Natural flow | | 0.8 | 0.8 | 0.8 | 0.8 |
| Min. cfs | Natural flow | | 28 | 28 | 28 | 28 |

| | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|
| Min. cu m/s | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | Natural flow |
| Min. cfs | 28 | 28 | 28 | 28 | 28 | Natural flow |

South Fork Snake River

The South Fork Snake River (Fig. 2) drains approximately 1.5 x $10^6$ ha (5,800 $mi^2$) of mountainous terrain which lies mostly in national forests and parks of western Wyoming. Approximately 95 km (59 mi) of the stream are in Idaho, and flows are controlled at Jackson Dam in Wyoming and Palisades Dam in Idaho.

The 11 km (7 mi) stretch of South Fork from Palisades Dam to Irwin is confined to one channel with long shallow runs and a few rapids and pools. The remaining 84 km (52 mi) are characterized by braided channels. From Anderson diversion to the mouth, 34 km (21 mi), most of the flow is diverted for irrigation and other water uses, resulting in dewatered channels from July to November.

Fish populations include cutthroat trout, brown trout and mountain whitefish. Jeppson (1970) estimated annual utilization and harvest by anglers in the 64 km (40 mi) of stream from Palisades Dam to Heise at 10,526 angler days, 34,186 hours of fishing, 16,011 cutthroat trout; 747 brown trout, 84 rainbow trout, 34 lake trout, 33 coho salmon, and 3,038 mountain whitefish.

Wildlife populations include beaver, mink, otter, Canada goose and a variety of ducks. Approximately 1,250 Canada geese and 4,500 ducks utilize the stream and surrounding area during the winter. From the dam to the stream mouth, there are approximately 260 islands situated either singly or in complexes and range in size from a few square meters to several hectares. The islands vary from low open gravel bars of changing characteristics at different water levels to large stable islands covered with vegetation. The nesting success of an important population of Canada goose is dependent on the large number of islands, and magnitude and timing of spring water releases from Palisades Reservoir. A summary of Idaho Department of Fish and Game Canada goose nesting surveys on South Fork Snake River from Palisades Dam to Burns Creek for a 5-year period (1972-1976) is presented below.

Table 3. Summary of Idaho Department of Fish and Game Canada goose nesting surveys on South Fork Snake River from Palisades Dam to Burns Creek, 1972-76.

| | 1972 | 1973 | 1974 | 1975 | 1976 |
|---|---|---|---|---|---|
| Number of nests | 108 | 82 | 128 | 96 | 79 |
| Number of goslings | 465 | 190 | 596 | 424 | 293 |

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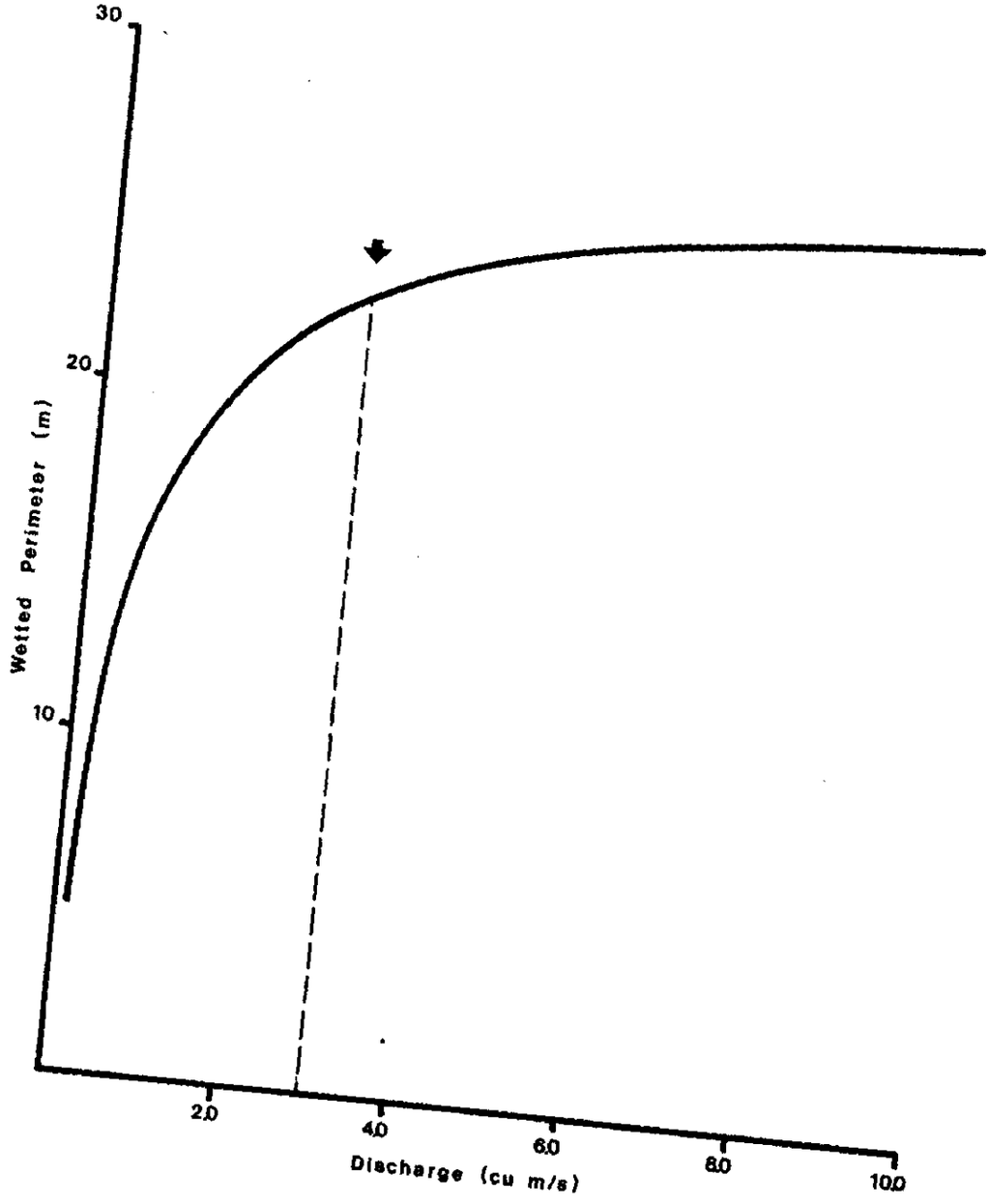
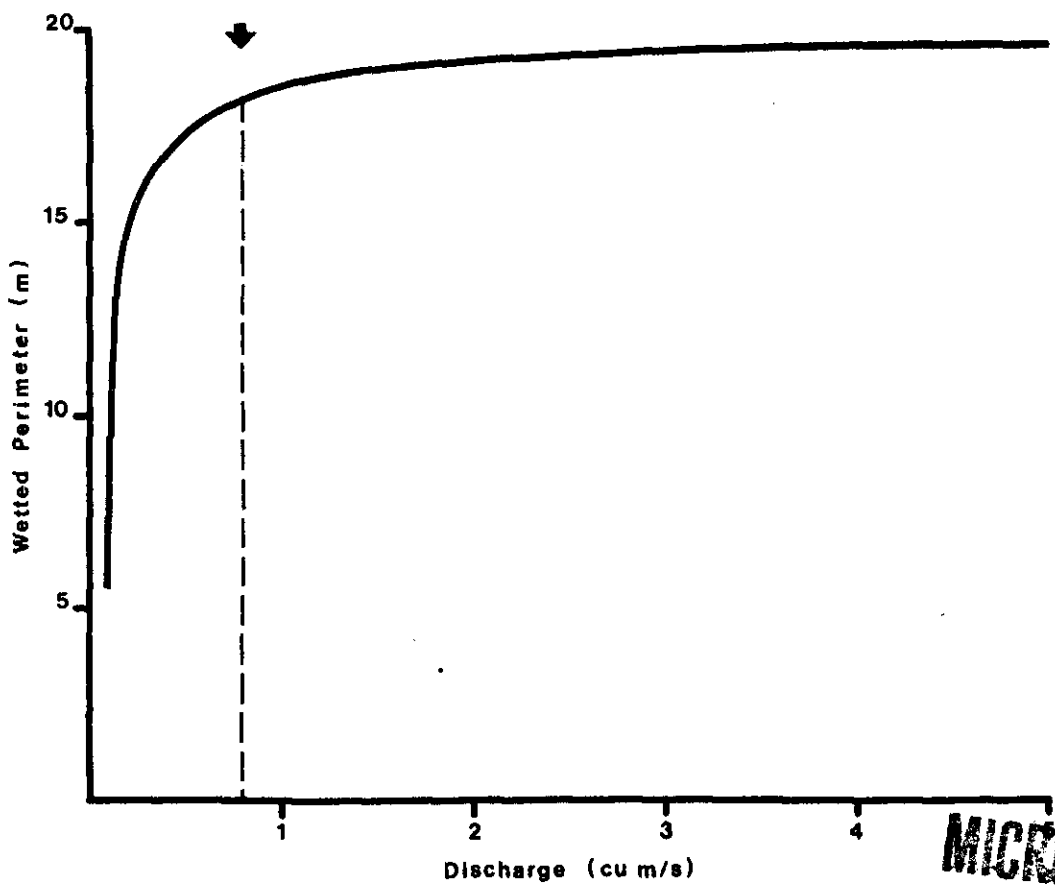



Figure 33. Rearing flow curve for Teton River downstream of Highway 33 bridge.

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Figure 34. Rearing flow curve for Bitch Creek downstream of Highway 32 bridge.




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# IDAHO
# DEPARTMENT OF FISH & GAME

Jerry M. Conley, Director

FEDERAL AID TO FISH AND WILDLIFE RESTORATION

Job Completion Report

Project F-73-R-3

SUBPROJECT IV: RIVER AND STREAM INVESTIGATIONS

STUDY XII: Teton River Fisheries Investigations

Period Covered: 1 April 1980 - 28 February 1981

by

Paul W. Jeppson
Regional Fishery Manager

April, 1981

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JOB COMPLETION REPORT

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| State of | Idaho | Project | F-73-R-3 |
| Subproject | IV | Name | RIVER & STREAM INVESTIGATIONS |
| Study | XII | Title | Teton River Fisheries Investigations |

Period Covered: 1 April 1980 - 28 February 1981


ABSTRACT

During the 1980 census on the Teton River, anglers fished an estimated 80,000 hours to catch about 57,000 game fish, of which about 40,000 were harvested. Average hourly rate of catch was 0.71 (0.50 for harvested fish). Harvested fish were 29% cutthroat, 26% wild rainbow, 21% hatchery rainbow, 16% brook trout, 7% hybrid rainbow-cutthroat and 1% whitefish. Cutthroat were the most common species caught in the Teton River from Bitch Creek downstream, wild rainbow from Bitch Creek upstream to South Leigh Creek (14 mi) and brook trout upstream from South Leigh Creek (17 mi). Some 45% of 22,000 rainbow "planters" were caught, 38% harvested.

Compared with 1974-75, estimated angling pressure increased:

400% in Teton River below Teton damsite,
150% in Teton Canyon above Teton damsite,
60% in Teton Basin.

The estimated catch of game fish increased 120% below Teton damsite and 190% in Teton Canyon above Teton damsite, but declined 23% in Teton Basin.

Average hourly rate of catch declined from:

1.1 to 0.5 below Teton damsite,
1.3 to 1.1 in Teton Canyon above Teton damsite,
1.5 to 0.7 in Teton Basin.

Overall, angling pressure increased in all areas; average angling success declined in all areas. The most significant declines were in the cutthroat and brook trout fisheries in Teton Basin where stream habitat declined due to severe stream channel erosion and siltation.

The only significant change in average size of trout was an increase in the average lengths of cutthroat and hybrid trout in the Teton River below Bitch Creek. This increase is probably the result of increases in pool area and numbers of forage fish.



Author:

Paul Jeppson
Regional Fishery Manager



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## ACKNOWLEDGMENTS

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## RECOMMENDATIONS

Tagging studies by Irving, et. al. (1977) show extensive movement of cutthroat trout throughout the Teton River drainage below Teton damsite. In this reach of stream, there are four irrigation diversion dams that are migration barriers. Two were constructed on an emergency basis in Teton River following the failure of Teton Dam. Fish ladders are needed over the Siddoway and Wilford dams in Teton River, the Rexburg Ditch diversion dam in the South Fork and Island Ward diversion dam in the North Fork.

Declining angling success in Teton Basin is associated with deterioration of aquatic and riparian habitat. This reach of stream was classified as "blue ribbon" in 1968; it could hardly qualify today. Continuing investigations should look into the effects of silting and channel erosion occurring in the Teton and several tributaries on the Teton River fishery, including physical parameters of the stream and comparative fish food production and utilization in silted and unsilted habitat.

The 22,000 catchable-size rainbow trout planted annually should be reapportioned, with heavier plantings in the downstream (Teton City) area where returns in 1980 were 50%, compared to 42% in Teton Basin.

## OBJECTIVES

Provide estimates of angler utilization of the Teton River fishery, their harvest of game fish and catch rates during 1980.

Compare use and harvest data on the Teton River with data collected before the construction and failure of Teton Dam as one means of assessing the impact of the dam project on the fishery.

Observe trends in the Teton River fishery not associated with the Teton Dam failure and recommend remedial measures where needed.

## TECHNIQUES USED

### Creel Census

The 1980 creel census of the Teton River was planned to sample an approximately equal time period as studies done in 1974 and 1975 by the Cooperative Fishery Unit (Irving, et. al. 1977). The census period, 24 May to 2 September was sampled including 68 weekdays and 32 other days (Saturdays, Sundays and legal holidays). Fourteen aerial counts were made on weekdays and 14 on other days scattered randomly to begin on the hour from 0700 to 2000 hr, with 1 weekday and 1-weekend day or holiday sampled in each of the 14 weeks.

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Approximately 1 hour and 22 minutes were required to complete a flight. During the summer solstice, 20-22 June, sunrise was at 0447 hr, sunset at 2013 hr--a 16-hour period; this was reduced by 2 September to some 13 hours of daylight, with sunrise at 0553 hr and sunset at 1902 hr. For the purpose of the creel census, a 15-hour average fishing day was assumed, extending from 0630 to 2130 hr.

Flight times were determined randomly with each hour between 0700 and 2000 hr sampled twice during the season, once on weekdays and once on other days. Some flights were cancelled due to failure of airplanes to show up, poor visibility, and other reasons and were substituted at the nearest convenient times, resulting in more than one flight being made on five of the 28 scheduled days.

The sums of the 14 angler counts in each river area on weekdays was adjusted for a 15-hour fishing day and multiplied by 68 (the number of weekdays in the 24 May to 1 September period) to estimate the number of hours fished on weekdays. The same treatment was used to estimate angler hours on the 32 other days. Thus, estimates were made of hours fished in each of the 14 river areas during the census period.

Anglers were interviewed throughout the fishing season to obtain indices of catch per hour and species composition in the catch in each of the 14 river areas. These catch indices were multiplied by the estimated angler hours (as determined by aerial counts) to calculate total catch estimates for each of the 14 areas.

Fish Populations

Experimental gill nets and electrofishing were used to provide information on relative numbers of game and nongame fish species during 1980 for comparison with previous years, especially in the Teton Dam pool area.

## INTRODUCTION

The Teton River drains some 1,100 square miles along the Idaho-Wyoming border and westward to the Henrys Fork of the Snake River. The watershed ranges from 4,814 feet above sea level at Henrys Fork to over 11,900 feet at Buck Mountain east of Driggs.

The flow of the Teton River is relatively stable. A wide variation in elevation in the watershed (over 7,000 feet), plus high infiltration capacity of permeable rocks and soils and vegetative cover, results in prolonged and generally orderly runoff; exceptions occur during rapid melting of snowpacks over frozen agricultural lands. Mean seasonal discharges are roughly 3,000 cfs during runoff, 1,000 cfs during late summer, 600 cfs during the fall and 500 cfs during the winter; discharges above 5,000 cfs are rare and of short duration (USGS Water Data Reports). Fish habitat is supported by large natural flows and water temperatures suitable for production of cold water fish species.

Land use practices are relatively stable; little uncleared private land remains and public lands are managed for their watershed values.

Riparian lands in Teton Basin are an exception; grazing practices on these lands are the apparent reason for heavy siltation and widening of stream channels. Some 9,200 acres (3.1%) of Teton County lands are classified as riparian, 16,300 acres (5.5%) as marsh and swamp (Anonymous 1979).

With reference to its fisheries, the Teton River is classified as moderately productive. Dissolved solids range from about 100 mg/l during runoff to 200 mg/l during low flow periods, specific conductance from 160 to 360 micrombs, pH 7.9-8.4. Suspended solids are usually low. Fish kills have occurred when irrigation canals are "demossed" and treated water is wasted back into natural stream courses.

Most tributary streams of the Teton River are intermittent due to irrigation diversions or, as in Teton Basin, underlying porous glacial till. In the latter case, streamflows reappear as springs adjacent to the Teton River. Bitch Creek is the most important tributary from a fisheries standpoint because it has a permanent flow and is a major spawning and nursery area for native cutthroat trout. Tagging studies (Irving, et. al. 1977) indicated cutthroat migrate throughout the river system below and into Bitch Creek.

Parasitic grubs occur in brook trout in Teton Basin; conditions are ideal in this low gradient, poorly drained area for the production of snails, an intermediate host for these trematode parasites.

Teton Dam, a 305-foot-high earthfill structure, was constructed some 9 miles upstream from the mouth of Teton Canyon during the 1972-76 period and impounded water through 16 miles of the middle portion of 35-mile-long Teton Canyon. The dam washed out on 5 June 1976, during its initial filling, releasing about one-quarter million acre feet of water within an 8-hour period; peak discharge in the canyon below the damsite was 2.3 million cfs with velocities possibly exceeding 40 feet per second (Ray, H. A. et. al. 1978). Downstream flooding and rapid loss of stored water permanently altered the physical characteristics of Teton River and riparian lands through the lower 26 miles of Teton Canyon. Teton Canyon upstream from Bitch Creek (Fig. 1, areas 8 and 9) was unaffected and is currently the only reach of Teton River in relatively pristine condition.

Creel census reports by Conservation Officer Brent Ritchie during 1978 and 1979 totaling 2,360 hours of fishing (Ball and Jeppson 1980) indicated that, compared to the 1974-75 period (Irving, J.S. et. al. 1977), angler harvest rates in the Teton River were 30% lower below Teton damsite, 13% lower in Teton Canyon upstream from the damsite, and 7% lower in Teton Basin. These data emphasized a need for a quantitative survey that would provide estimates of annual angling pressure and harvest of fish comparable to those derived from the 1974-75 studies.

During 1980, a creel census was conducted throughout some 103 river miles downstream from the source of Teton River (confluence of Trail and Warm Creeks near Victor), including some 21 miles of Teton River in Teton Basin, 35 miles in Teton Canyon, 3 miles in Henrys Fork Valley, 13 miles in the North Fork "distributary", 21 miles of the South Fork "distributary", and 10 miles of Henrys Fork between the two mouths of the Teton River.

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During 1980, the Teton drainage system was open to fishing during the general season, 24 May to 30 November. Henrys Fork was open year-round. Aerial flights, the method used to enumerate angler hours, were begun 30 May and terminated 1 September (Labor Day), the period when most fishing occurs. Limited funding and low angler activity after the Labor Day weekend precluded extending flights through the fishing seasons. The period conformed roughly with the 1974-75 censuses.

## STUDY SECTIONS

Area 1: North Fork of the Teton River. This 13-mile-long distributary traverses private agricultural lands. Elevations range from 4,830 feet m.s.l. where the stream enters Henrys Fork to 4,932 feet where Teton River divides into the North and South Forks near Teton City. Average gradient is 8 feet per mile. This stream is intermittent through much of the summer due to irrigation canals diverting from and draining into the North Fork. Channel straightening has occurred at several locations. After the Teton flood of June 1976, channel rehabilitation by the US Soil Conservation Service under authority of Section 16 of the Flood Control Act of 1950, restored stream channel capacity. Below US 20, channel erosion is currently classified as "moderate" (Anonymous 1979). Fish populations are largely transient, resulting from upstream and downstream recruitment, including inflowing canals from Henrys Fork. Angler access to the North Fork occurs from construction roads paralleling the stream in its upper reach and at eight road crossings. Historically, this stream has been open to year-round fishing.

Area 2: Henrys Fork between the two mouths of the Teton was included in the census because the area had to be flown anyway. This five miles has some 10 miles of river channel and lies between elevations of 4,814 and 4,830 feet m.s.l. Channel gradient is less than two feet per mile and the stream channels are braided and silted. Access is largely by boat with launching sites at the Lee Access Site and Beaver Dick Park. Most fishing occurs in early spring and late fall, outside this year's census period.

Area 3: The South Fork of the Teton River below old US 191-20 (Fig. 1) is intermittent north of Rexburg. West of Rexburg, inflowing ground water provides permanent flow in a natural channel. Flow volume is low during the irrigation season. Streambed elevations vary from 4,814 feet m.s.l. at Henrys Fork to 4,865 at US 191-20, the upper end of 11-mile-long area 3; average gradient is less than 5 feet per mile. Access to the stream is by boat via Henrys Fork and at three road crossings. The upper reach is in an urban area; downstream the South Fork is bordered by private agricultural lands.

Area 4: The South Fork of the Teton River upstream from US 191-20, is intermittent below the Rexburg Ditch diversion. The channel has been relocated in about 20% of its reach. Post-flood channel rehabilitation improved aesthetics of the stream; old car bodies were replaced with rock riprap. Channel erosion is classified as "moderate" (Anonymous 1979). Streambed elevation varies from 4,865 to 4,932 feet m.s.l.; average gradient is 7 feet per mile. Angler access occurs mainly at seven road crossings and the Rexburg Ditch diversion dam.

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Dead fish from herbicide-treated wastewater from irrigation canals have been observed here and in area 5. In 1974-75, this stream was open to fishing year-round.

Area 5: The lower 12 miles of the Teton River is the reach from Teton damsite downstream to where the river divides into the North and South Forks. Streambed elevation is from 4,932 to 5,025 feet m.s.l.; average gradient is 8 feet per mile. Permanent flow, two new irrigation diversion dams, construction roads paralleling the lower reach, fish planting and nearby population centers made this the most popular reach of stream in 1980. Fish kills resulting from "demossing" the cutoff canal, which brings water from Henrys Fork to the Teton River, have been observed.

Area 6 is the 10-mile reach of the Teton River from Teton damsite upstream to Linderman damsite. Streambed elevations range, roughly, from 5,025 to 5,145 feet m.s.l. Average gradient is 12 feet per mile. This reach was navigable by canoe prior to the Teton Dam failure. Currently, anglers use larger drift boats because of dangerously rough water at sites where landslumps occurred during rapid evacuation of stored water when the dam failed. Canyon walls are steep with few access points.

Area 7 is the 6-mile-long reach of Teton Canyon from Linderman damsite upstream to the mouth of Bitch Creek. Streambed elevations are from 5,145 to 5,295 feet m.s.l. Average gradient is 25 feet per mile. As with the remaining 10 miles of Teton Canyon above Bitch Creek, this reach is "white water". The reach is accessible by road via Spring Hollow; anglers also enter via a steep trail on the north side of the canyon at the mouth of Bitch Creek and from upstream.

Area 8 encompasses the steepest part of Teton Canyon; gradient is about 110 feet per mile in the 2-mile-long reach from Bitch Creek to Felt Dam (5,515 feet m.s.l.). Badger Creek enters near the midpoint of this stream section. Irving et. al. (1977) found rainbow trout the most numerous trout species (71-84%) in lower Badger Creek, with hybrids common.

Area 9 includes the 8 miles of Teton Canyon above Felt Dam. White (1976) described this reach of river channel as "well defined, rectangular shaped and made up of riffle-run type habitat with essentially no pools and minimal overhanging streamside vegetation. . . . the upper three miles. . . had widths ranging from 110 to 130 feet at a discharge of approximately 520 cfs. . . the channel narrows" downstream. By angling and electrofishing, he found the trout population (289 trout sampled) to be 76.2% rainbow, 15.5% brook trout, and 8.3% cutthroat. Mountain whitefish made up 68.3% of the electrofishing sample. Streambed elevations range from 5,515 to 5,925 feet m.s.l.; gradient averaging 51 feet per mile. Access is difficult; most fishermen entered from Highway 33 at the upper end and Felt Dam at the lower end.

Areas 10 to 14 include the 21 miles of the Teton River in Teton Basin. Elevations vary from 5,925 to 6,001 feet m.s.l.; gradient averages less than 4 feet per mile. The upper two areas (Fig. 1) have the lowest gradient, are more silted and have lower trout populations than the lower three areas (10, 11 and 12).

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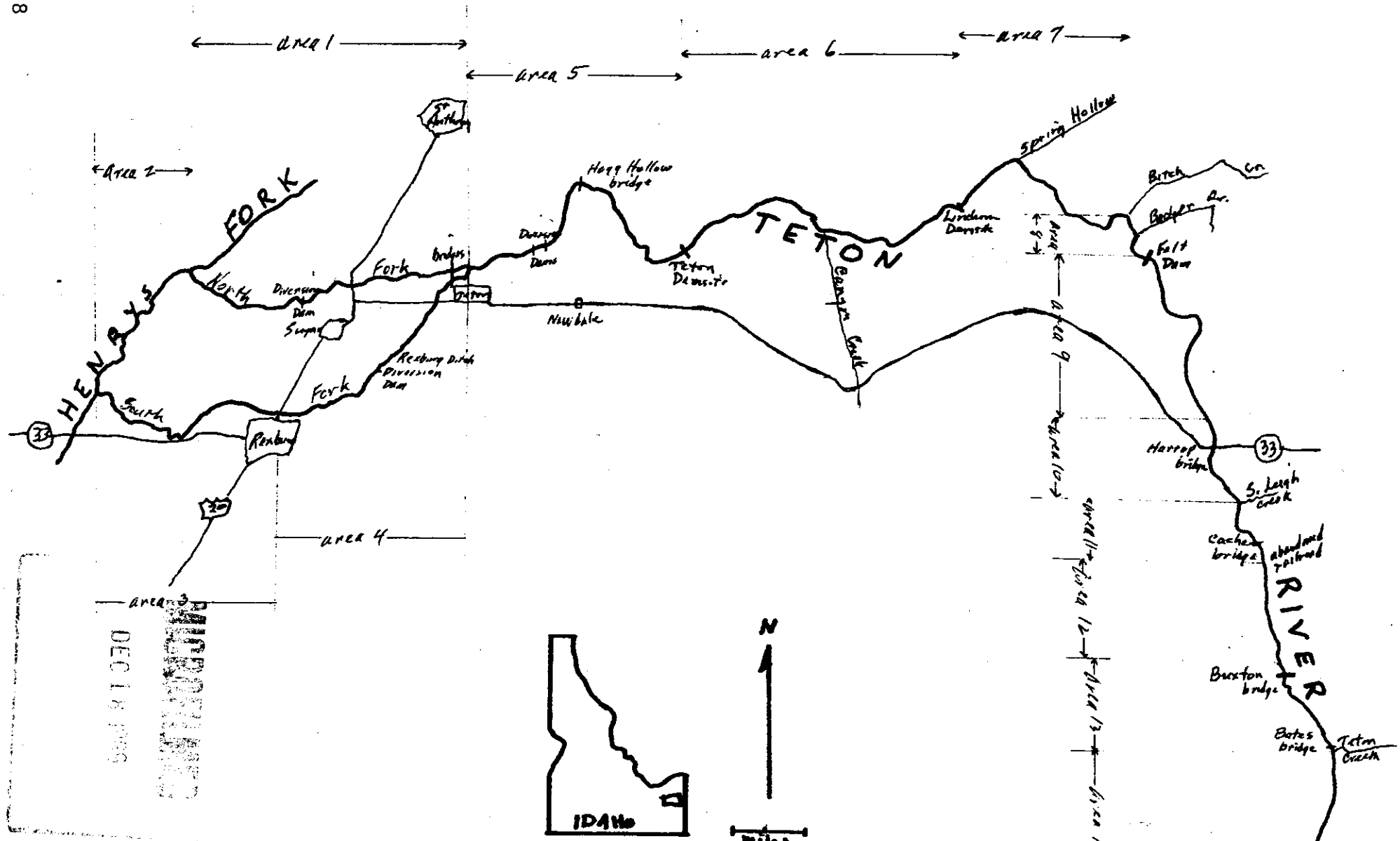



Figure 1. Creel census areas, Teton Fishery Investigations, 1980

The lower three sections and Patterson Creek, a tributary to Warm Creek, were classified as having "severe" channel erosion (Anonymous 1979).

## FINDINGS

### Creel Census

During the 24 May to 2 September census period of 1980, some 80,000 hours of fishing occurred in the 103 miles of river studied. Some 57,000 fish were caught by anglers, of which about 40,000 were creeled (Table 1). Harvested fish were 29% cutthroat, 26% wild rainbow, 21% hatchery rainbow, 16% brook trout, 7% hybrid rainbow-cutthroat and 1% whitefish. Catch of each species by area is shown in Table 2; harvest in Table 3. Rainbow trout with normal fins were classified as "wild" even though they possibly originated from a hatchery planting. Anglers reported releasing 30% of the fish caught. Average hourly rate of catch was 0.7 for all fish, 0.5 for "keepers". Cutthroat trout were the most common species of wild trout in the catch from Bitch Creek downstream (72 miles). Of other wild fish, rainbow dominated the catch in Teton River from Bitch Creek upstream to South Leigh Creek (14 miles) and brook trout the upper 17 miles. Hatchery-reared rainbow were common in the Teton City and Teton Basin areas where permanent flows, accessible to fish trucks, occur. Planters recovered by anglers in Teton Canyon were in the slack waters above Felt Dam and in the former Teton Dam impoundment area and likely originated from plants at Highway 33 bridge in Teton Basin. Fish planting records show 13,038 8-to 10-inch rainbow were planted in areas 10 to 14 (Teton Basin) and 9,040 were planted from Hogg Hollow bridge to Teton City (area 5). Some 45% of the planters were caught, 38% harvested. Percentage returns are somewhat greater if plantings for the three-year period (1978-80) are averaged. If upriver and downriver plantings and catch are calculated separately for 1980, the catch was 42% (31% creeled) for Teton Basin plants and 50% (47% creeled) for downriver plants. In summary, it can be logically assumed that at least 40% of the hatchery-reared 8-to 10-inch rainbow trout planted in Teton River during recent years were caught by anglers.

Comparisons with 1974-75 indicate angling pressure has increased over 400% and catch of trout increased nearly 120% in the reach below Teton damsite, accompanied by declines in average hourly success rate from 1.1 to 0.5. The large increase in angling pressure is partly attributable to easier access provided by construction roads paralleling the north side of the stream below Hogg Hollow bridge, heavier planting (Table 7) and nearness to centers of population. In Teton Canyon upstream from Teton damsite (areas 6 to 9) angling pressure increased over 150% and catch 190%, but catch rate declined slightly from an average 1.3 to 1.1 fish per hour. In Teton Basin (areas 10 to 14) estimated angling pressure increased some 60% accompanied by a 23% decline in catch; average hourly rate of catch declined from 1.5 to 0.7. Overall, angling pressure on the Teton River system increased some 260% and catch 40% while average hourly rate of catch declined from 1.4 to 0.7 in 1980 compared to averages for 1974-75 (Table 4).

Comparisons of angler effort per unit length of stream show that in 1974-75 effort was greatest in Teton Basin and in 1980 effort was greatest in the Hogg Hollow-Teton City area. Annual hours of effort per kilometer in area 5 increased from 163 in 1974 to 203 in 1975 and to 1,128 in 1980.

Table 1. Total estimated hours of fishing, game fish caught and catch per hour, Teton River Investigations, 24 May to 2 September 1980.

| Area | Hours fished | Game fish caught | | Catch per hour | |
|---|---|---|---|---|---|
| | | total | keepers | total | keepers |
| 1 NF | 1,875 | 825 | 750 | 0.44 | 0.40 |
| 2 HF | 3,033 | 443 | 443 | 0.15 | 0.15 |
| 3 SF | 654 | 168 | 142 | 0.30 | 0.26 |
| 4 SF | 6,414 | 3,297 | 3,220 | 0.51 | 0.50 |
| 5 Teton | 21,427 | 10,371 | 9,428 | 0.48 | 0.44 |
| 6 | 8,188 | 6,100 | 3,832 | 0.74 | 0.47 |
| 7 | 5,445 | 4,786 | 3,256 | 0.88 | 0.60 |
| 8 | 1,327 | 916 | 690 | 0.69 | 0.52 |
| 9 | 3,278 | 9,014 | 2,458 | 2.75 | 0.75 |
| 10 | 2,374 | 1,956 | 1,021 | 0.82 | 0.43 |
| 11 | 3,770 | 3,001 | 1,674 | 0.80 | 0.44 |
| 12 | 2,727 | 1,792 | 1,486 | 0.66 | 0.54 |
| 13 | 11,451 | 7,443 | 6,527 | 0.65 | 0.57 |
| 14 | 7,548 | 6,688 | 4,748 | 0.89 | 0.63 |
| Total | 79,511 | 56,800 | 39,675 | 0.71 | 0.50 |

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Table 2. Total estimated catch of each species including catch-and-release, Teton River Investigations, 24 May to 2 September 1980.

| Area | Fish Caught | | | | | |
|---|---|---|---|---|---|---|
| | Rainbow | | | Rainbow-Cutthroat | | |
| | Hatchery | Wild | Cutthroat | Hybrids | Brook | Whitefish |
| 1 | 29 | 154 | 383 | 59 | 0 | 0 |
| 2 | 0 | 0 | 380 | 0 | 0 | 63 |
| 3 | 0 | 0 | 140 | 28 | 0 | 0 |
| 4 | 1,154 | 412 | 1,500 | 198 | 0 | 33 |
| 5 | 3,111 | 1,452 | 4,978 | 830 | 0 | 0 |
| 6 | 300 | 1,957 | 2,623 | 1,159 | 61 | 0 |
| 7 | 119 | 1,173 | 1,914 | 1,532 | 48 | 0 |
| 8 | 366 | 430 | 74 | 46 | 0 | 0 |
| 9 | 0 | 7,391 | 361 | 0 | 1,262 | 0 |
| 10 | 1,123 | 578 | 59 | 20 | 137 | 39 |
| 11 | 652 | 939 | 60 | 0 | 1,230 | 120 |
| 12 | 286 | 430 | 90 | 287 | 645 | 54 |
| 13 | 1,507 | 1,508 | 1,191 | 74 | 3,014 | 149 |
| 14 | 1,103 | 1,103 | 669 | 0 | 3,545 | 268 |
| Total | 9,750 | 17,527 | 14,422 | 4,233 | 9,942 | 726 |

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Table 3. Total estimated harvest of each species excluding catch-and-release, Teton River Investigations, 24 May to 2 September 1980.

| Area | Fish Caught | | | | | |
|---|---|---|---|---|---|---|
| | Rainbow | | | Rainbow-Cutthroat | | |
| | Hatchery | Wild | Cutthroat | Hybrids | Brook | Whitefish |
| 1 | 180 | 120 | 390 | 60 | 0 | 0 |
| 2 | 0 | 0 | 379 | 0 | 0 | 64 |
| 3 | 0 | 0 | 114 | 28 | 0 | 0 |
| 4 | 1,092 | 383 | 1,536 | 192 | 0 | 17 |
| 5 | 2,952 | 1,252 | 4,581 | 600 | 0 | 43 |
| 6 | 173 | 1,130 | 2,031 | 460 | 38 | 0 |
| 7 | 95 | 947 | 944 | 1,237 | 33 | 0 |
| 8 | 284 | 330 | 28 | 48 | 0 | 0 |
| 9 | 0 | 2,458 | 0 | 0 | 0 | 0 |
| 10 | 573 | 295 | 51 | 0 | 102 | 0 |
| 11 | 343 | 494 | 25 | 0 | 670 | 142 |
| 12 | 268 | 401 | 15 | 267 | 535 | 0 |
| 13 | 1,468 | 1,469 | 914 | 65 | 2,546 | 65 |
| 14 | 855 | 855 | 570 | 0 | 2,326 | 142 |
| Total | 8,283 | 10,134 | 11,578 | 2,957 | 6,250 | 473 |

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All reaches of stream from the Rexburg-Sugar City Highway upstream to Victor showed increases in angling pressure. The least increase was in Teton Basin where estimated angler hours increased from 514 to 532 to 820 hours per kilometer, respectively. Overall, angling hours per kilometer increased from 226 in 1974 to 256 in 1975 to 574 in 1980 for comparable areas of the Teton River (Table 5).

Estimates of the annual cutthroat catch from Rexburg-Sugar City upstream in the Teton River indicate a major decline in the cutthroat fishery in Teton Basin. Estimates of annual cutthroat and rainbow trout catches in comparable areas of Teton River (Table 6) indicate substantial increases in numbers caught except for cutthroat in Teton Basin, where annual catch declined from an average 5,820 in 1974-75 to 2,069 in 1980. The large increase in rainbow catch below Teton damsite may be partly attributable to increased stocking (Table 7).

Brook trout also showed a declining fishery in Teton Basin (Table 8). Brook trout habitat is largely confined to headwaters and tributaries of Teton River as is the case with most eastern Idaho drainage systems. Declines of brook and cutthroat trout fisheries in headwater streams are indicators of declining aquatic and riparian habitat, most often due to grazing practices.

Comparisons of average lengths of trout indicate cutthroat (including hybrids) have increased following the Teton disaster. Below Teton damsite, average length was 255 mm in 1974-75, 345 mm in 1980. Changes in habitat involving greater water depth, more pools and more forage fish are the likely reasons for larger cutthroat and hybrids. In Teton Canyon above Teton damsite, average lengths increased from 277 to 310 mm. Average lengths of rainbow in these reaches were relatively unchanged, as were mean lengths of all trout species in Teton Basin (Table 9).

From the 93 miles of Teton River (including North and South Forks) anglers harvested some 39,000 fish weighing 11,300 kg (25,000 lb) in 1980; average weight was 0.29 kg (0.64 lb). Average weight of fish decreased with distance upstream; trout below Bitch Creek averaged twice as large as those harvested above Bitch Creek in the upper Teton Canyon and Teton Basin (Table 10).

A 698 mm (27.5 in) cutthroat was the largest fish measured during 1980. Cutthroat averaged larger than other species 333 mm (13.1 in), hybrids 296 mm (11.6 in), wild rainbow 273 mm (10.7 in), hatchery rainbow 234 mm (9.2 in), brook trout 227 mm (8.9 in) (Table 11).

Angling methods varied greatly throughout the study area. Overall, in angler interviews totaling 2,133 hours of fishing, 50% of the effort was with bait, 38% artificial flies and 12% lures. Areas 5 and 6 were the only areas where fly fishing was the most popular method. Renegade and fizzle were commonly used flies. Baits included earthworms, eggs, grasshoppers, corn, cheese, marshmallows, grubs and sculpins. "Hardware" lures included spoons (wobblers), rapala, Colorado spinners, roostertail, panther marten and Mepps spinners. Irving, et. al. (1977) stated "Most Teton River fishermen in all study areas fished with bait."

Overall, anglers reported releasing 30% of the fish caught, compared to 39% in 1974 and 31% in 1975 (Irving, et. al. 1977). In Teton Basin anglers released 26%, in the canyon area above damsite 51% and below Teton damsite 8%. Notably, the canyon area had the lowest harvest and least decl[illegible] angling success.

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Table 4. Comparisons of estimated hours of fishing, angler catch (including catch and release), catch per unit of effort, Teton River Investigations, 1974[1], 1975[1], and 1980.

| Stream sections | Angler hours | | | Angler catch | | | Fish per hour | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1974[1] | 1975[1] | 1980 | 1974[1] | 1975[1] | 1980 | 1974[1] | 1975[1] | 1980 |
| 1[2], 4, 5 (below Teton Damsite) | 5,079 | 5,639 | 29,716 | 5,841 | 6,091 | 14,493 | 1.15 | 1.08 | 0.49 |
| 6, 7, 8, 9 (Teton Canyon above Teton Damsite) | 4,231 | 6,743 | 18,238 | 5,924 | 8,361 | 20,816 | 1.40 | 1.24 | 1.14 |
| 10, 11, 12, 13, 14 (Teton Basin) | 17,464 | 18,097 | 27,870 | 25,445 | 28,886 | 20,880 | 1.46 | 1.60 | 0.75 |
| Total | 26,774 | 30,479 | 75,824 | 37,210 | 43,338 | 56,189 | | | |
| Average | | | | | | | 1.39 | 1.42 | 0.74 |

[1] from Irving, et. al. 1977

[2] includes all of North Fork Teton in 1980, North Fork Teton above US 191-20 in 1974-75.

Table 5. Comparisons of estimated total hours of angling effort and effort per unit distance, by stream section, Teton River Investigations, 1974[1], 1975[1], and 1980.

| Stream section | Length of stream (kilometers) | Year | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1974[1] | | 1975[1] | | 1980 | |
| | | Total hours | Hours per kilometer | Total hours | Hours per kilometer | Total hours | Hours per kilometer |
| 1[2] | 8-21 | 257 | 32 | 294 | 42 | 1,875 | 89 |
| 4 | 16 | 1,719 | 107 | 1,496 | 94 | 6,414 | 401 |
| 5 | 19 | 3,103 | 163 | 3,849 | 203 | 21,427 | 1,128 |
| 6 | 16 | 2,849 | 178 | 4,392 | 275 | 8,188 | 512 |
| 7 | 10 | 602 | 60 | 703 | 70 | 5,445 | 544 |
| 8 & 9 | 16 | 780 | 49 | 1,648 | 103 | 4,605 | 288 |
| 10 to 14 | 34 | 17,464 | 514 | 18,097 | 532 | 27,870 | 820 |
| Total | 119-132 | 26,774 | | 30,479 | | 75,824 | |
| Average | | | 225 | | 256 | | 574 |

(1) from Irving et. al. 1977

(2) 1974 and 1975 - North Fork of Teton River above US 20-191 - 8 kilometers
1980 - All of North Fork of Teton River - 21 kilometers

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Table 6. Comparisons of estimated catches of rainbow, cutthroat and hybrid rainbow-cutthroat trout from the Teton River (including catch-and-release), 1974-75 (1), and 1980.

| Stream sections | Average annual catch 1974-75(1) Rainbow trout | Cutthroat trout | 1980 Catch Hatchery rainbow | Wild rainbow | Rainbow-cutthroat hybrids | Cutthroat |
|---|---|---|---|---|---|---|
| 1(2), 4, 5 (below Teton Damsite) | 1,335 | 4,394 | 4,494 | 2,018 | 1,087 | 6,861 |
| 6, 7, 8, 9 (Teton Canyon above Teton Damsite) | 3,533 | 2,954 | 785 | 10,951 | 2,737 | 4,972 |
| 10, 11, 12, 13, 14 (Teton Basin | 10,226 | 5,820 | 4,671 | 4,558 | 381 | 2,069 |
| Total | 15,094 | 13,168 | 9,950 | 17,527 | 4,205 | 13,902 |

(1) from Irving, et. al. 1977.

(2) includes all of North Fork Teton in 1980, North Fork Teton above US 191-20 in 1974 and 1975.

DEC 12 '83

Table 7. Record of catchable-size rainbow trout stocked in Teton River, 1974, 1975, and 1980

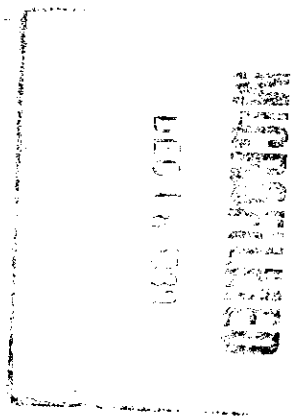
| Zone | 1974 | 1975 | 1980 |
|---|---|---|---|
| Below Teton Damsite (Section 5) | none | 4,900 | 9,040 |
| Teton Canyon above Teton Damsite | none | none | none |
| Teton Basin | 13,875 | 14,250 | 13,037 |
| Total | 13,875 | 19,150 | 22,077 |

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Table 8. Comparisons of estimated catch (including catch and release) of brook trout, Teton River Investigations, 1974*, 1975*, and 1980.

| Zone | 1974* | 1975* | 1980 |
|---|---|---|---|
| Below Teton Damsite (Sections 1, 4, 5) | 175 | 61 | 0 |
| Teton Canyon above Teton Damsite (Sections 6, 7, 8, 9) | 474 | 752 | 1,371 |
| Teton Basin (Sections 10, 11, 12, 13, 14) | 11,442 | 9,766 | 8,571 |
| Total | 12,071 | 10,579 | 9,942 |

*from Irving, et. al., 1977



Information regarding the fisheries of the various study areas follows:

Area 1

During the 28 aerial flights, only 38 anglers were counted on the North Fork of the Teton. Flows were low or intermittent during most of the counts, no boats were observed. Fourteen parties were interviewed; the 21 resident and 4 nonresident anglers fished 63 hours for 13 rainbow, 13 cutthroat and 2 hybrid trout. Species composition was 28% hatchery rainbow, 19% wild rainbow, 46% cutthroat and 7% hybrids. Hourly catch rate was 0.44 (0.40 keepers). Projected season estimates are depicted in Tables 1, 2, 3 and 5. Angling methods were 76% bait, 16% lures and 8% fly fishing.

Area 2

Henrys Fork was the only portion of the study area that was open to year-round fishing during 1980. Greatest fishing effort occurred prior to the study period. Aerial counts totaled 56 anglers, 68% using boats, during the 24 May to 2 September study period. Sixteen parties were interviewed; the 23 resident anglers fished 48 hours for six cutthroat and one whitefish. Hourly catch rate was 0.15. All anglers were fishing with earthworm bait.

Area 3

During aerial flights, only 17 anglers were counted in Section 3, 47% using boats. Only four parties (six resident fishermen) were interviewed; they fished 23 hours for 5 cutthroat, 1 hybrid trout and 1 perch; average hourly catch rate was 0.30. All anglers were using bait. Estimated utilization and catch rate area depicted on Tables 1-3.

Area 4

During aerial census, 115 anglers were counted, 8% using boats. Eighty-eight parties were interviewed; the 174 resident and 16 nonresident anglers fished 319 hours for 78 rainbow, 76 cutthroat and 9 hybrid trout and 1 whitefish. Average hourly rate of catch was 0.51. Species composition was 35% hatchery rainbow, 12% wild rainbow, 46% cutthroat and 6% hybrid trout and 1% whitefish. Ninety-one percent of anglers used bait, including 2% sculpins and 9% used lures. Projected effort and catch estimates were depicted in Tables 1, 2, 3 and 5.

Area 5

During aerial flights, 442 anglers were counted, 109 (25%) using boats. One hundred ninety-five angling parties (324 resident and 93 nonresident fishermen) were interviewed for catch rate. They fished 1,028 hours for 219 rainbow, 237 cutthroat and 41 hybrid trout and 1 whitefish. Average hourly rate of catch was 0.48. Species composition of the catch was 30% hatchery rainbow, 14% wild rainbow, 48% cutthroat and 8% hybrid trout. Fifty-three percent of anglers used flies, 30% bait and 15% lures ("hardware"). Total effort and catch data are shown in Tables 1, 2, 3 and 5.

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Table 9. Comparisons of average lengths in millimeters of angler-caught rainbow, cutthroat, and brook trout 1974-75* and 1980, Teton River Investigation.

| Zone | 1974-75* | | | 1980 | | |
|---|---|---|---|---|---|---|
| | Rainbow | Cutthroat | Brook | Rainbow | Cutthroat (incl. hybrids) | Brook |
| Below Teton Damsite (Areas 1, 4, 5) | 238 n=50 | 255 n=153 | | 248 n=89 | 345 n=106 | |
| Teton Canyon above Teton Damsite (Areas 6, 7, 8, 9) | 283 n=472 | 277 n=238 | 230 n=48 | 283 n=73 | 310 n=124 | 256 n=2 |
| Teton Basin (Areas 10, 11, 12, 13, 14) | 246 n=1246 | 266 n=471 | 228 n=1200 | 243 n=150 | 272 n=13 | 228 n=92 |

*from Irving, et. a., 1977

DEC 1 6 1980
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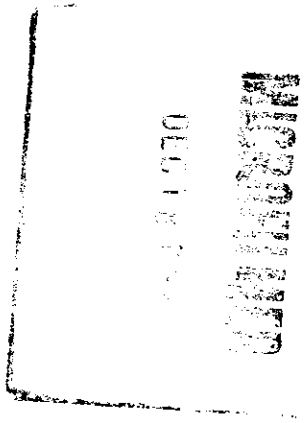
Table 10. Estimated numbers and pounds of fish harvested (does not include catch and release) and average weight, by stream section, Teton River, Idaho, 1980.

| Area | Fish harvested | | | Average weight of fish harvested | |
|---|---|---|---|---|---|
| | Number | Pounds | Kilograms | Pounds | Kilograms |
| North and South Forks Teton River (Sections 1, 3, and 4) | 4,140 | 3,744 | 1,699 | 0.90 | 0.41 |
| Teton River (Forks to Bitch Cr.) (Sections 5, 6, and 7) | 16,516 | 13,935 | 6,323 | 0.84 | 0.38 |
| Teton River (Upper Canyon) (Sections 8 and 9) | 3,148 | 1,590 | 721 | 0.51 | 0.23 |
| Teton River (Teton Basin) (Sections 10, 11, 12, 13 and 14) | 15,456 | 5,704 | 2,588 | 0.37 | 0.17 |
| Totals | 39,260 | 24,973 | 11,331 | 0.64 | 0.29 |

DEC 18 1980

Table 11. Numbers of fish measured, length range, and average length, Teton River Investigations, 1980.

| Species | Number measured | Length range | | Average length | |
|---|---|---|---|---|---|
| | | Millimeters | Inches | Millimeters | Inches |
| Cutthroat | 167 | 152 - 698 | 6 - 27.5 | 333 | 13.1 |
| Rb x Ct | 103 | 152 - 482 | 6 - 19 | 296 | 11.6 |
| Rainbow (wild) | 157 | 152 - 482 | 6 - 19 | 273 | 10.7 |
| Rainbow (hatchery) | 156 | 152 - 332 | 6 - 13 | 234 | 9.2 |
| Brook | 93 | 152 - 327 | 6 -13 | 227 | 8.9 |
| Whitefish | 12 | 227 - 382 | 9 - 15 | 316 | 12.5 |



Area 6

One hundred seventy-four anglers were counted in Section 6 during aerial flights, one-half using boats or rafts. Seventy-five fishing parties (138 resident and 49 nonresident) were interviewed. They fished 800 hours for 218 rainbow, 254 cutthroat, 116 hybrids, 7 brook and 1 lake trout. Species composition was 5% hatchery rainbow, 32% wild rainbow, 43% cutthroat, 19% hybrid and 1% brook trout. Average hourly rate of catch was 0.74. "Catch and keep" hourly rate of catch was 0.47. Fifty-one percent of anglers used flies, 31% used bait and 18% used lures. Projected creel data are depicted in Tables 1, 2, 3 and 5.

Area 7

One hundred twenty-three anglers were counted in area 7 during aerial flights, 66% using boats. Twenty fishing parties (37 resident, 11 nonresident) were interviewed during the year. They fished 174 hours for 41 rainbow, 61 cutthroat, 49 hybrid, 1 brook trout and 1 whitefish. Average hourly rate of catch was 0.88; catch and keep was 0.60. Species composition was 2% hatchery rainbow, 25% wild rainbow, 40% cutthroat, 32% hybrids and 1% brook trout. Sixty-two percent of anglers used bait, 24% flies and 14% lures. Projected creel data are shown in Tables 1, 2, 3 and 5.

Area 8

Of 33 anglers counted during the stratified aerial census in area 8, 30% were using boats. Boating accidents were common, anglers entering here to fish calmer water downstream. Of seven parties interviewed, 12 resident and 2 nonresident anglers fished 54 hours for 32 rainbow, 3 cutthroat and 2 hybrid trout. Average hourly rate of catch was 0.69. Species composition was 40% hatchery rainbow, 47% wild rainbow, 8% cutthroat and 5% hybrid trout. Sixty-five percent of the effort was with bait, 24% with flies and 11% used lures. Projected utilization-catch data are depicted in Tables 1-3.

Area 9

The sample aerial count of fishermen in area 9 totaled 71, including 3% using boats. Only five parties were interviewed; the 4 resident and 2 nonresident anglers fished 12 hours for 23 rainbow, 1 cutthroat and 4 brook trout. Average hourly rate of catch was 2.75, catch and keep 0.75. Sixty-nine percent used bait, 31% lures. Catch specifics are shown in Tables 1-3.

Areas 10 to 14

In Teton Basin, 584 anglers (46% using ~~bait~~ boats) were counted during the stratified aerial census. Projected effort and catch data are depicted in the various tables. Boat use increased with distance upstream (from 17% in area 10 to 59% in area 14).

Thirty parties (57 resident and 6 nonresident anglers) were interviewed in area 10; (1 mile below State Highway 33 to the mouth of South Leigh Creek). They fished 142 hours for 102 rainbow, 4 cutthroat, 1 hybrid, 8 brook trout and 2 whitefish. Average hourly rate of catch was 0.82. Species composition was 57% hatchery rainbow, 30% wild rainbow, 3% cutthroat, 1% hybrid and 7% brook trout and 2% whitefish. Seventy-two percent of anglers used bait, 24% lures and 4% flies.

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In area 11, South Leigh Creek to the old railroad right-of-way, 22 parties (42 resident and 4 nonresident anglers) were interviewed; they fished 225 hours for 87 rainbow, 3 cutthroat and 67 brook trout and 7 whitefish. Average hourly rate of catch was 0.80. Species composition was 22% hatchery rainbow, 31% wild rainbow, 2% cutthroat and 41% brook trout and 4% whitefish. Sixty-three percent of the effort was with bait, 25% lures and 12% flies.

In area 12, (railroad right-of-way to one-half mile below Buxton Bridge) 28 parties were interviewed; the 45 resident and 12 nonresident anglers fished 134 hours for 35 rainbow, 4 cutthroat, 14 hybrid and 32 brook trout and 3 whitefish. Average hourly rate of catch was 0.66. Species composition was 16% hatchery rainbow, 24% wild rainbow, 5% cutthroat, 16% hybrid and 36% brook trout and 3% whitefish. Thirty-seven percent of angling effort was with lures, 32% flies and 31% bait.

In area 13, (one-half mile below Buxton Bridge to Teton Creek) 60 parties (115 resident and 26 nonresident anglers) were interviewed; they fished 374 hours for 97 rainbow, 39 cutthroat, 2 hybrid and 97 brook trout and 4 whitefish. Average hourly rate of catch was 0.65. Species composition of the catch was 20% hatchery rainbow, 20% wild rainbow, 16% cutthroat, 1% hybrid and 41% brook trout and 2% whitefish. Forty-six percent of angling effort was with bait, 39% lures and 15% flies.

In area 14, Teton Creek to Warm Creek, 29 parties (38 resident and 17 nonresident anglers were interviewed for creel data. They fished 105 hours for 28 rainbow, 9 cutthroat, 46 brook trout and 3 whitefish. Species composition was 17% hatchery rainbow, 17% wild rainbow, 10% cutthroat and 52% brook trout and 4% whitefish. Fifty-two percent of the angling effort was with bait, 40% flies and 8% lures. Average hourly rate of catch was 0.89.

## Fish Populations

Percentage composition of 2,097 fish examined during relocation of channels at Teton damsite in 1972-73 were 23 redside shiners, 22 speckled dace, 20 Utah suckers, 17 sculpins, 9 cutthroat, 5 mountain whitefish, 3 Colorado suckers and 3 longnose dace. No Utah chubs were sampled nor were any sampled during fish population studies by the University of Idaho in 1974-75 (T. C. Bjornn, personal communication). Utah chubs were apparently introduced by anglers into borrow pits upstream from Teton Dam in 1974; this species was taken in gillnet sampling there some 80 days following failure of the dam.

Two experimental gill nets were operated overnight in the borrow area of the river, one-half mile upstream from Teton damsite in 1976 and in 1980. Comparative catches were as follows:

| | 23-24 August 1976 | | 6-7 August 1980 | |
|---|---|---|---|---|
| Species | Number | Percent | Number | Percent |
| Suckers | 52 | 52 | 234 | 92 |
| Trout | 38 | 38 | 15 | 6 |
| Whitefish | 3 | 3 | 5 | 2 |
| Utah chubs | 7 | 7 | 0 | 0 |
| | 100 | 100 | 254 | 100 |

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The gillnetting indicated that habitat changes resulting from the Teton Dam project have resulted in higher sucker and reduced trout populations. Chubs apparently vacated the restored river environment.

## LITERATURE CITED


Anonymous 1979. Snake River Basin, Idaho and Wyoming, Cooperative study, Upper Snake River Basin Erosion Report. USDA, SCS, ESCS, FS in cooperation with states of Idaho, Wyoming. M7-L-23421.

Ball, Kent and Paul Jeppson 1980. Regional fishery management investigations, Project F-71-R-4, Job VI-C. Region 6 Stream Investigations.

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Ray, H.A. and L.C. Kjelstrom 1978. The flood in southeastern Idaho from the Teton Dam failure of 5 June 1976. US Geological Survey Open-file Report 77-765.

White, Robert G. 1976. Predicted effects of water withdrawal on the fish populations of the Teton River, Idaho. Contribution No. 63. Forest, Wildlife and Range Experiment Station, University of Idaho, Moscow, Idaho.

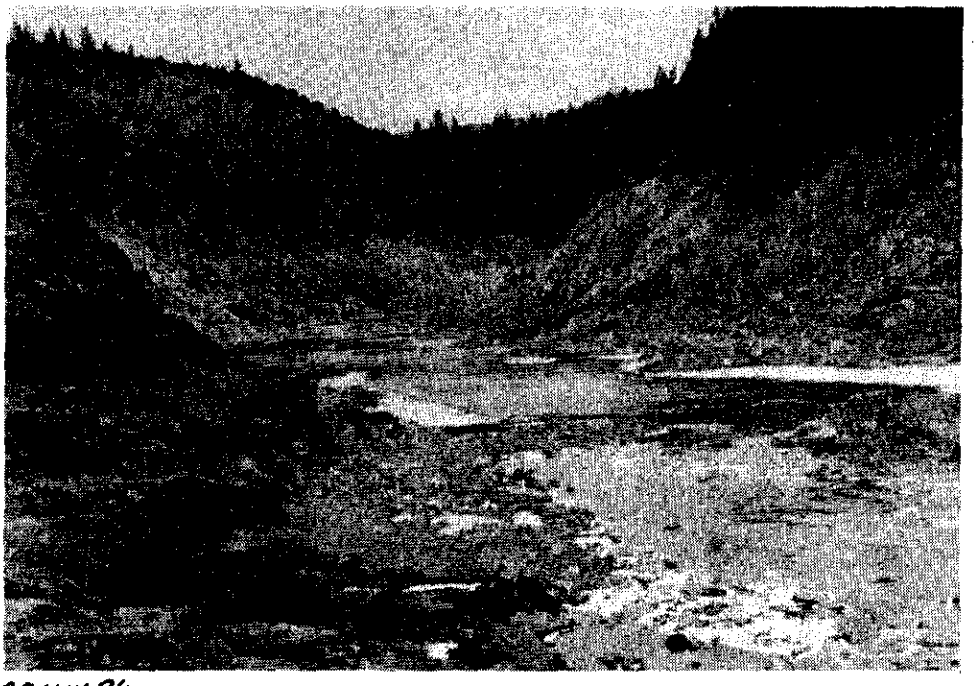


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26 Aug 72



29 Nov 76

Figure 2. Teton River at Spring Hollow before and after the Teton Dam failure.

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Submitted by:

Paul W. Jeppson
Regional Fishery Manager

Approved by:

IDAHO DEPARTMENT OF FISH AND GAME

Jerry M. Conley
Director

Stacy Gebhards, Chief
Bureau of Fisheries

Jerry Mallet, Supervisor
Fishery Research
Bureau of Fisheries

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Fish and Game
Exhibit #5
Admitted 11-21-85
DDF

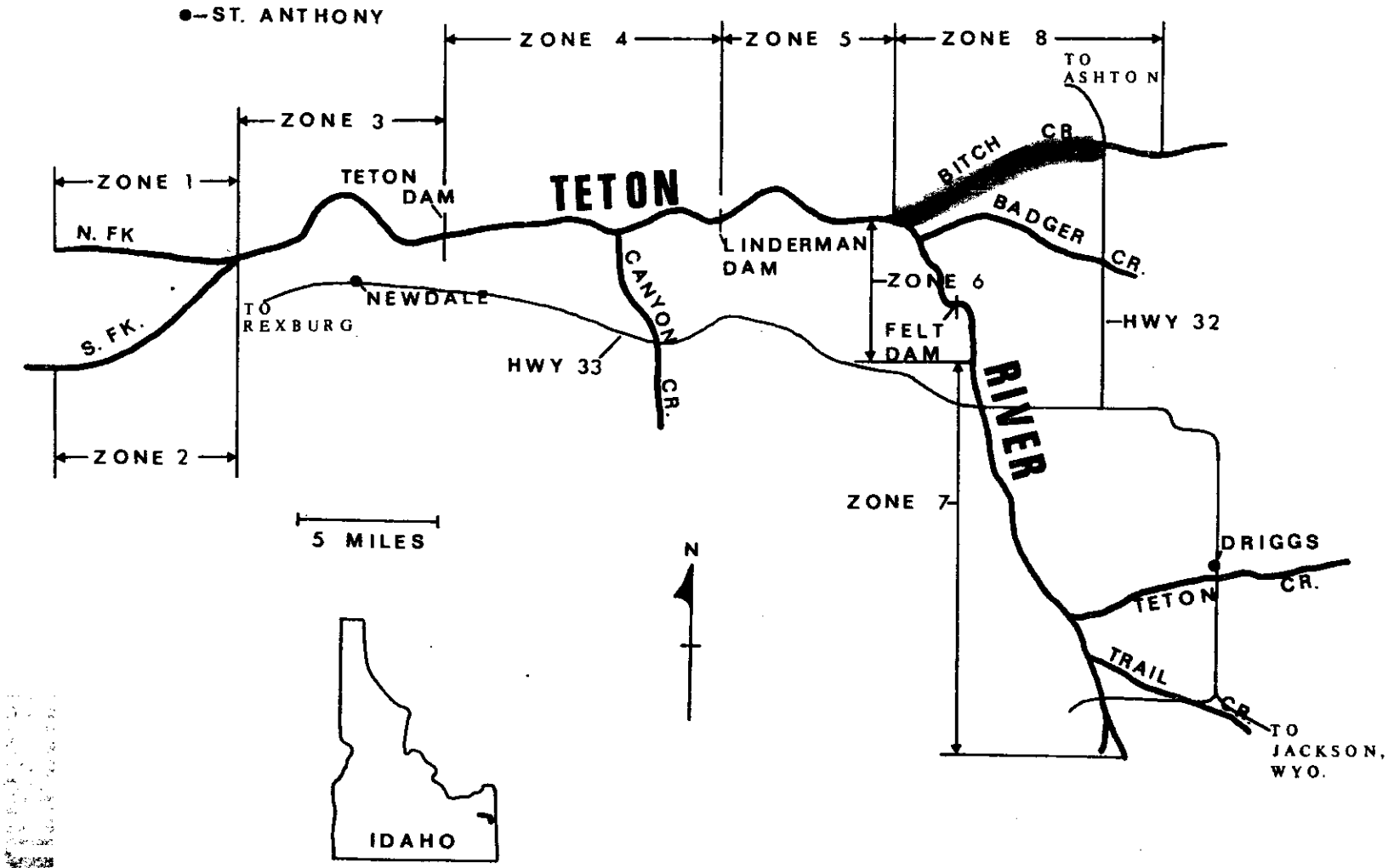



Figure 2. Teton River study area and location of zones.

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EXHIBIT #6
Admitted 11-21-85
IDF

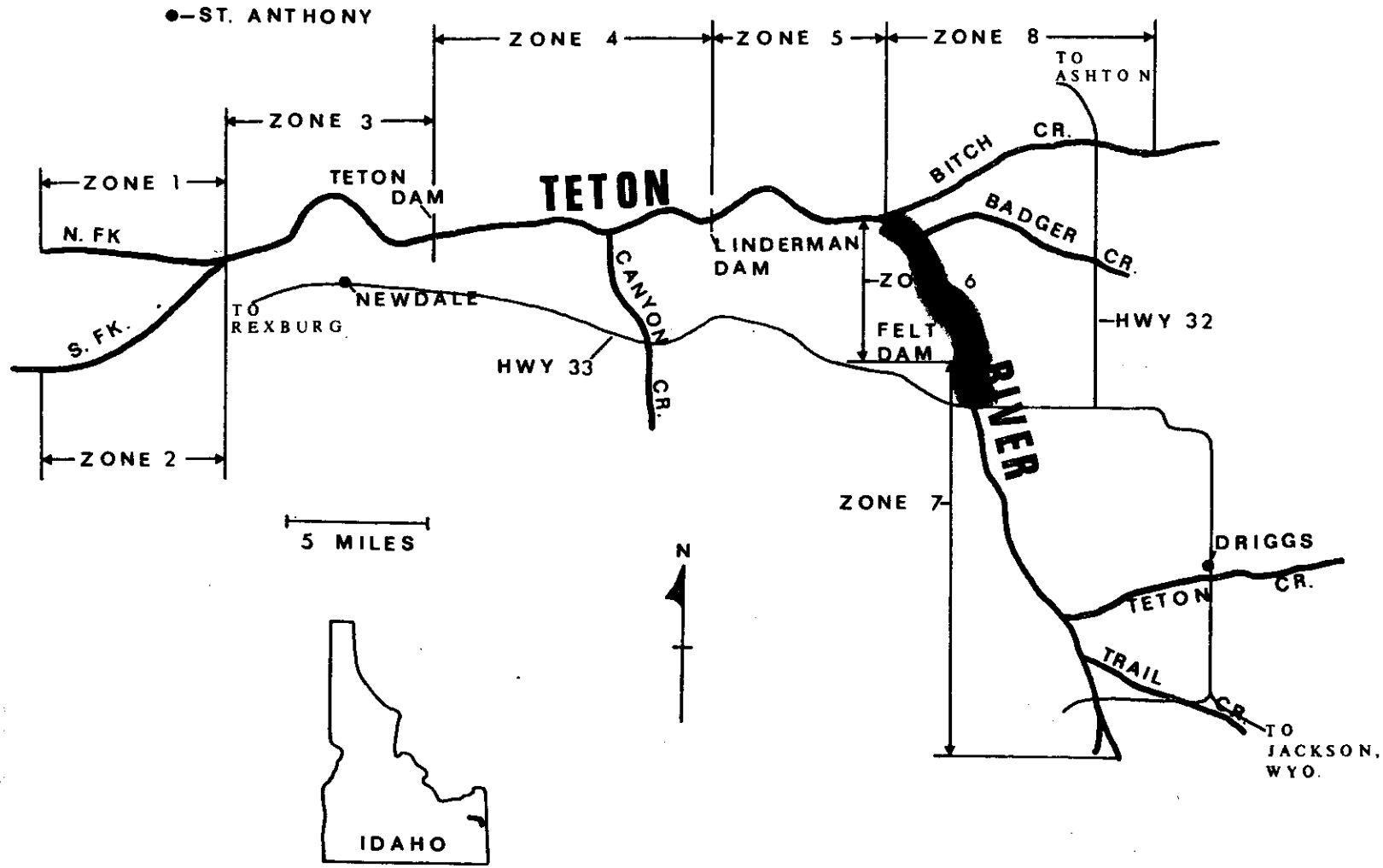
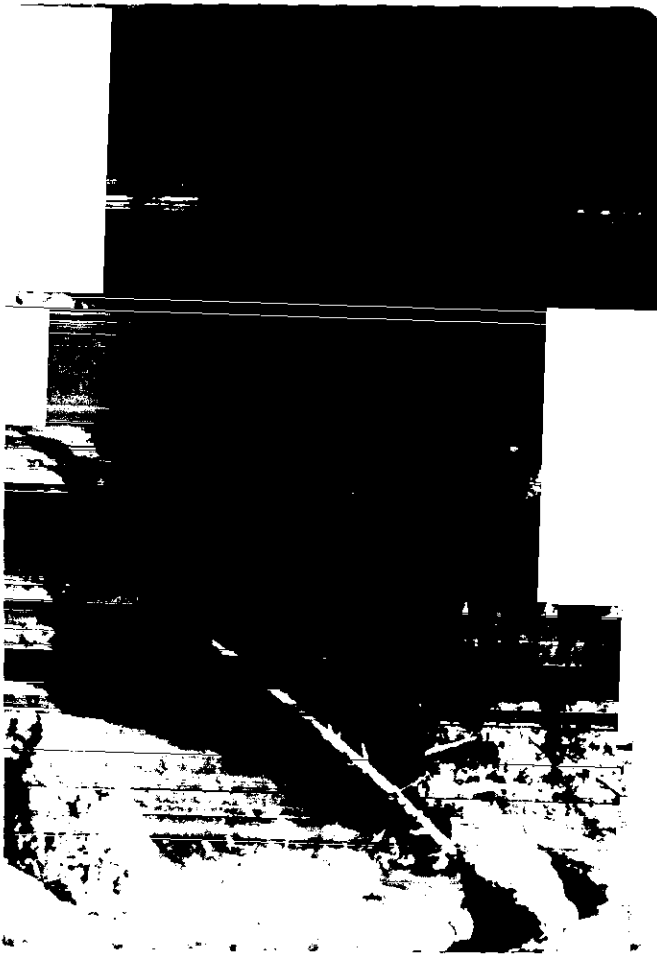



Figure 2. Teton River study area and location of zones.



Bitch Co ...ear ...nth

Exhibit 7

...ted 11-...-85

...F



Teton River in canyon
(winter)

Exhibit 15

Admitted 11-21-85
SDF



Teton River in "Narrows"
w/1 minimum flow reach

Exibit 12

Admitted 11-21-85

DDF



Cutthroat Ex.
Bitch Creek

Exhibit 11

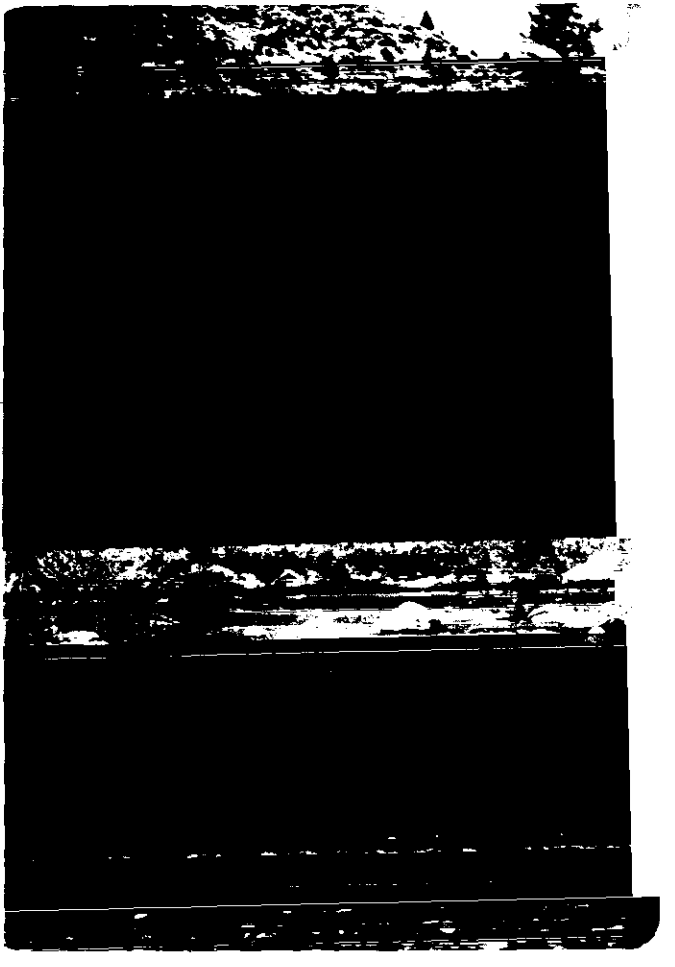
Admitted 11-21-85

DDF



Admitted 11-21-85

SDC



Bitch Creek in mid-
canyon
Exibit 9
Admitted 11-[illegible]-85
BDF



Bitch Creek upstream
from mouth

Exhibit 8

Admitted 11-21-85

DDF

Fish and Game Exhibits
7 thru 13

(Bitch Creek - 22-7370)
(Teton River - 22-7369)

Energy Gap
Exhibit 1

# STATE OF IDAHO

DEPARTMENT OF FISH AND GAME 600 SO. WALNUT ST. – P. O. BOX 25
BOISE, IDAHO 83707

Admitted 11-21-85

SDF

February 16, 1982

Fall River Rural Electric Cooperative, Inc.
Box 617
Ashton, ID 83420

Gentlemen:

The Idaho Department of Fish and Game concurs in the attached agreement.

Sincerely,

Jerry M. Conley
Director

Attachment

cc: Paul Otter

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(2 vii) Agreement on Fishery Issues between IDFG and Fall River

During discussions between IDFG and Fall River it became apparent that additional information was needed in order to avoid a possible impass over the question of minimum flow requirements in the river between the dam and powerplant.

Consequently Fall River suggested a field trip during which they would regulate the river flow at the diversion dam so all concerned could examine the river at several stages. The trip would have to occur during February before the spring flows exceed the existing turbine capacity so all flow could be diverted through the powerplant. IDFG welcomed the suggestion and the trip took place on February 9, 1982. Four representatives from IDFG attended as did one representative from the U.S. Fish and Wildlife Service.

The demonstration was conducted as follows:

A. The preceding night Fall River shut down the powerplant and spilled all the river flow (approximately 260 cfs) in order to wash the accumulated snow out of the channel and provide the best view of river conditions.

B. Before the demonstration began Fall River restarted the plant and resumed diverting all flow through the plant; so at the beginning flow through the dam was negligible.

C. IDFG deployed their personnel along the river at critical points.

D. The sluice gate was opened a measured amount to release 10 cfs and sufficient time was allowed for the flow to stabilize throughout the reach. After all observers were satisfied, the flow was increased and the process repeated. Observations were made at discharges of 0, 10, 20, 30, 50 and 100 cfs.

The experiment was totally successful and concluded with agreement between Fall River and IDFG on all major points of dispute. Terms of the agreement are as follows:

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1. Fall River will construct a fish ladder capable of operating with flow in the range of 10 to 20 cfs. IDFG will furnish design criteria and review the design of the ladder.

2. The minimum flow release from the dam will be 20 cfs except for 3 months each year during the period of cutthroat trout spawning migration when the minimum flow release will be 50 cfs. One of the 3 months of 50 cfs minimum flow will be June which is normally the highest flow month. The 50 cfs flow may not be required throughout all the 3 months to provide for upstream fish passage. IDFG will conduct studies to more closely identify the time frame in the spring during which the cutthroat trout spawning migration takes place.

3. Fall River will pay IDFG a lump sum to provide for mitigation of turbine mortality. IDFG will make estimates of the expected mortality and amount of mitigation.

4. IDFG will break up a few large boulders in the channel to facilitate fish passage. This work will be funded by Fall River.

5. The public will be allowed to walk down the power-plant access road for fishing or other recreational purposes; however the road will not be suitable for public vehicle traffic. Fall River will provide a parking area near the Badger Substation.

c. Fish screens at the penstock intakes will not be required.

With the conclusion of the above agreement, all environmental issues have now been resolved and no known opposition to the project remains. IDFG has agreed to provide a letter for inclusion in this application which will verify their agreement.

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OCT 28 1985
Department of Water Resources
Eastern District Office

Energy Gap, Inc.
Star Route Box 3654
Jackson, Wyoming 83001

October 24, 1985

Ernest Carlson
Idaho Department of Water Resources
Eastern Region
150 Shoup, Suite 15
Idaho Falls, Idaho 83402

RE: Application # 22-7369

Dear Mr. Carlson:

Thank you for the information regarding the November 21 hearing in Driggs regarding the above application.

On the telephone this morning you mentioned that Gary D. Slette had written a letter of protest to this application. I just want to confirm to you that Mr. Slette is our attorney and represents us in this matter.

We would like to be included on the docket to give testimony on November 21 and we'll be calling witnesses in that regard.

Thank you very much for your consideration.

Yours truly,

Bruce Morley
President

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OCT 30 1985
Department of Water Resources
Western Region

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NOV 1 1985
Department of Water Resources

STATE OF IDAHO
OFFICE OF THE ATTORNEY GENERAL

JIM JONES
ATTORNEY GENERAL
STEPHEN V. GODDARD
WILLIAM B. DILLON, III
DEPUTY ATTORNEYS GENERAL
IDAHO DEPARTMENT OF FISH AND GAME

600 S. WALNUT ST.
P.O. BOX 25
BOISE, IDAHO 83707
(208) 334-3715

October 31, 1985

Department of Water Resources
Statehouse
Boise, ID 83720

Re: Minimum Stream Flow Hearings: Big Wood River
East Fork Rock Creek
Warm River
Bitch Creek
Teton River

Gentlemen:

Please be advised that the Idaho Department of Fish and Game wishes to appear, present testimony and cross-examine witnesses at the minimum stream flow hearings set for the above-mentioned streams during the month of November.

Thank you.

Sincerely,

William B. Dillon, III
Deputy Attorney General
Idaho Dept. of Fish and Game

WBD:tlv

cc: Regions 4, 5 and 6

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DEC 16 1989

Department of Water Resources
Western Regional Office

NELSON, ROSHOLT, ROBERTSON, TOLMAN & TUCKER
Chartered
ATTORNEYS AT LAW
142 3RD AVE NO.
MAILING ADDRESS: P.O. Box 1906
TWIN FALLS, ID 83303-1906
TELEPHONE (208) 734-0700
SUN VALLEY (208) 726-4661

THOMAS G. NELSON
JOHN A. ROSHOLT
J. EVAN ROBERTSON
STEVEN K. TOLMAN
JAMES C. TUCKER

TERRY T. UHLING
LAIRD B. STONE
GARY D. SLETTE

RECEIVED
SEP 9 1985
Department of Water Resources
Eastern District Office

September 6, 1985

To: Dan Jarthill

Idaho Department of Water Resources
Eastern Region
150 Shoup - Suite 15
Idaho Falls, ID 83402

RE: Application No. 22-7369

Dear Sir:

On behalf of certain individuals who intend to develop hydroelectric projects, I wish to oppose Application No. 22-7369 for a minimum stream flow of 106 c/f/s. My clients desire to oppose such flow volumes as being unnecessary, given the reduced minimum stream flows on the Felt Project.

I request notification be mailed to me regarding any meetings on this particular application.

Yours truly,

Gary D. Slette

GDS/kk
cc: Bruce Morley

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Western Regional Office

DRT

JOHN C. ARKOOSH
Attorney at Law
P.O. Box 32
116 Fourth Avenue West
Gooding, Idaho 83330
Telephone: (208) 934-8401

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OCT 29 1985
Department of Water Resources
Eastern District Office

October 28, 1985

Mr. Ernest Carlson
IDAHO DEPARTMENT OF WATER RESOURCES
Eastern Region
150 Shoup - Suite 15
Idaho Falls, Idaho 83402

RE: Application for Permit 22-7369
Teton River Minimum Stream Flow

Dear Mr. Carlson:

Please find enclosed a Protest in the above entitled application.

Sincerely,

JOHN C. ARKOOSH

JCA:rw

Enclosure

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Department of Water Resources
Western Regional Office

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OCT 29 1985
Department of Water Resources
Eastern District Office

JOHN C. ARKOOSH
Attorney at Law
P. O. Box 32
Gooding, Idaho 83330
Telephone: (208) 934-8401

IDAHO DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR )
PERMIT NO. 22-7369, IN THE NAME OF) NOTICE OF PROTEST
THE STATE OF IDAHO )
)

COME NOW, John C. Arkoosh, Richard Graves, Bill Arkoosh, and Michael Arkoosh, all of Gooding, Idaho and John Peterson, Filer, Idaho, individually and as stockholders in Energy Gap, Inc., an Idaho corporation, and protest the above application for the following reasons:

(a) That it will reduce the quantity of water under existing water rights;

(b) The water supply itself is insufficient for the purpose for which it is sought to be appropriated;

(c) Is not made in good faith and is made for delay or speculative purposes;

(d) Is in conflict with the local public interest.

(e) Said application and the statutory scheme for minimum stream flow is in conflict with Article 15, Section 3 of the Idaho State Constitution.

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Department of Water Resources
Western Regional Office

Protestants are stockholders in a corporation which holds an application to divert the waters of the Teton River for purposes of hydroelectric generation.

DATED this 28th day of October, 1985.

JOHN C. ARKOOSH

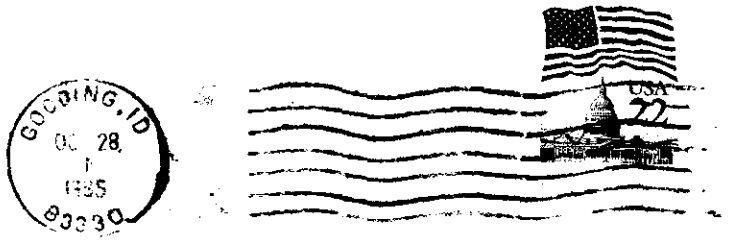
CERTIFICATE OF MAILING

I HEREBY CERTIFY that on this 28th day of October, 1985, I mailed a true and correct copy of the foregoing to Mr. Ernest Swanson, Idaho Department of Water Resources, Eastern Division, 150 Shoup, Suite 15, Idaho Falls, Idaho 83402, by placing same in the U. S. Mail, postage prepaid.

Rita Weaver

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DEC 18 1989

John C. Arkoosh
Attorney at Law
P.O. Box 32
116 Fourth Ave. West
Gooding, Idaho 83330




Mr. Ernest Carlson
Idaho Department of Water Resources
Eastern Division
150 Shoup, Suite 15
Idaho Falls, Idaho 83402

SOURCE SEARCH BY EAST FORK ROCK CREEK
PRIORITY DATE GREATER THAN OR EQUAL TO 1-JAN-1880
WITHIN BASIN 41

| NUMBER | STAGE | DATE | POD | SOURCE |
|---|---|---|---|---|
| 41-7074 | A | 12-Sep-1984 | SWSW 12 10S 31E<br>NWNW 18 10S 32E | EAST FORK ROCK CREEK |

SOURCE SEARCH BY WARM RIVER
PRIORITY DATE GREATER THAN OR EQUAL TO 19-JUN-1981
WITHIN BASIN 21

| NUMBER | STAGE | DATE | POD | SOURCE |
|---|---|---|---|---|
| 21-7283 | A | 19-Jun-1981 | NWNW 13 09N 43E<br>SWSE 18 09N 43E | WARM RIVER |
| 21-7355 | A | 27-Sep-1984 | SWSE 12 09N 43E | WARM RIVER |

MSF

SOURCE SEARCH BY TETON RIVER
PRIORITY DATE GREATER THAN OR EQUAL TO 19-JUN-1981
WITHIN BASIN 22

| NUMBER | STAGE | DATE | POD | SOURCE |
|---|---|---|---|---|
| 22-7505 | A | 1-Jul-1985 | NWSE 03 06N 44E | TETON RIVER |
| 22-7483 | A | 27-Sep-1984 | SESW 34 07N 44E | TETON RIVER |
| 22-7392 | P | 22-Mar-1982 | SENW 10 06N 44E | TETON RIVER |
| 22-7396 | A | 30-Apr-1982 | SWNW 28 07N 41E | TETON RIVER |
| 22-7419 | A | 11-Jan-1983 | NWSE 17 04N 45E | TETON RIVER |
| 22-7470 | A | 21-Jul-1983 | NENW 15 06N 44E | TETON RIVER |
| 22-7482 | P | 3-Oct-1984 | NWNE 29 07N 44E<br>SWNE 29 07N 44E | TETON RIVER |
| 22-7487 | P | 25-Feb-1985 | NWNE 29 07N 44E<br>SWNE 29 07N 44E | TETON RIVER |
| 22-7490 | A | 10-Apr-1985 | SENE 30 07N 42E | TETON RIVER |
| 22-7369 | A | 19-Jun-1981 | NWNE 20 07N 44E<br>SESW 23 06N 44E | TETON RIVER |

WATER RIGHT NUMBER 22-7150

OWNER LAST NAME - STATE OF IDAHO FIRST NAME - UNIQ OWNER -
ADDRESS LINE 1 - IDAHO WATER RESOURCE BOARD ADDRESS LINE 2 -
ADDRESS LINE 3 - STATEHOUSE MAIL CITY - BOISE STATE - ID ZIP CODE - 83720
SOURCE - TETON RIVER TRIBUTARY OF - SNAKE RIVER, HENRYS FORK
STAGE - APPLICATION STATUS - PRIORITY - 06-19-1981 COUNTY - TETON TOTAL DIV. RATE - 50.0000 CFS
TOTAL DIV. VOLUME - .00 AFA IRR/ANNUAL - WATER DIST. - 01 OLE/CARRY ACT - RIGHT BASIS -
DIVERSION POINT - NWNE 20 T7N 44E LOT RCDIV - 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
SESW 21 T7N 44E LOT RCDIV - 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
FROM - 01-01 TO - 12-31 USE - MINIMUM INSTREAM FLOW USE DIV. RATE - 50.0000 CFS USE DIV. VOLUME - .00 AFA
USE - MINIMUM INSTREAM FLOW PLACE OF USE - T6N R7E SEC 20 TRACT NWNE LOT AC
DECREE NAME - DATE - TOTAL ACRES 0
REMARKS - P/D'S AS TO LOCATION OF DIVERSION. PROTESTED 8/31/1981. MIN. FLOWS
AGREED TO & APPROVED BY IDWR USE OF 50 CFS EXCEPT FOR 3 MONTHS EACH
YR DURING THE OUTPLANT TRAIT MIGRATION, WHICH WILL BE 80 CFS.
ONE OF THESE MONTHS WILL BE JUNE.
NON IRRIG USE - M/MAINTAIN TROUT HABITAT.
OTHER RIGHTS FOR SAME USE -
PROOF DUE - PERMIT/LICENSE - PROTESTED - 09-09-1981 HEARING - OLD NO. -
PROOF MADE - FLD EXAM - COMP. OF APPROVAL -
DIVERSION MEANS - PASSIVE STRUCTURE.

VERIFIED VGK

SORENSON ENGINEERING, INC.
CONSULTING ENGINEERS
550 LINDEN DRIVE
IDAHO FALLS, IDAHO 83401
208-522-8069

RECEIVED
NOV 14 1985
Department of Water Resources

November 12, 1985

Mr. A. Kenneth Dunn, Director
Idaho Department of Water Resources
Statehouse Mail
Boise, ID 83701

SUBJECT: APPLICATION FOR MINIMUM STREAM FLOW #22-7369 Teton River
ALSO APPLICATION #21-7283 Warm River

Dear Sir,

This letter is written pursuant to a notice in the Post Register of an application for minimum stream flow for protection of fishery habitat.

The granting of any water right in the State of Idaho, as I understand, must be pursuant to the public interest. It is my fear that the granting of the minimum stream flow for a fishery habitat without sufficient study would not be in the public interest.

For example:
1) What is the value in the particular reaches of the fishery in terms of e onomic and social values?
2) What is the value of the potential hydro sites within the particular reach in terms of energy produced, jobs created, and additions to the tax base on a long-term basis?
3) In many cases good hydro sites are not good fish habitat sites. Good hydro sites within these reaches studied specifically with respect to fishery habitat and, in fact, a good fishery habitat is treatened by inclusion of a hydro site on certain reaches.
4) Lastly, and most importantly, by granting a minimum stream flow, are we closing off our options for the future? Some may argue that a minimum flow is needed to protect the stream from unscrupulous hydro developers. This is not true. The process required of a developer to obtain a State Water Right and Federal Energy Regulatory Commission Permit, mandates detailed consideration and compliance with environmental agencies. If the project is not environmentally benign and can not provide ample mitigation, the necessary permits will not be issued.

It is my opinion that just as a hydro site needs to pass the scrutiny of careful study before implementation, so should a minimum stream flow. If the Department wishes to pursue a minimum stream flow, extensive studies should be conducted by the Fish & Game and other interested agencies for presentation to the public for review. I have not seen any studies to the effect to date. I feel and recommend strongly that you do same.

Very truly yours,

Ted S. Sorenson, P.E.

TSS:lc

cc: Stan Hawkins
Vern Ravenscroft, Consulting Associates

MICROFILMED
DEC 1 1989

291 Dale Drive
Idaho Falls, ID 83402
November 15, 1985

Mr. David R. Tuthill, Jr.
State of Idaho
Department of Water Resources
Statehouse
Boise, Idaho 83720

Dear Mr. Tuthill:

Because I cannot attend the Department of Water Resources hearings on minimum stream flow applications by the Department of Fish and Game for reaches of Bitch Creek (Water Right No. 22-7370), Teton River (Water Right No. 22-7369) and Warm River (Water Right No. 21-7183 and 21-7355) I submit the following written comments to your office.

The reaches of the three streams for which applications have been filed are high quality spawning and rearing habitat for various species of trout, perhaps our states' most important game fish. The existence and continued high quality of cold water fisheries in our state is an increasingly important consideration of public interest as more sportsmen within and from outside our state enjoy this resource. It is thus a far-sighted action to reserve unallocated instream flows to maintain this resource on as broad a scale as possible, particularly when Idaho holds much of the reduced amount of high quality cold water fisheries left in the conterminous United States.

I therefore urge your office to approve these applications as beneficial to people of the state and to submit them as such to the next regular session of the Idaho Legislature.

Very truly yours,

Bruce A. Staples

Bruce A. Staples

BAS:cs

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DEC 1 6 1985

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NOV 1 8 1985
Department of Water Resources
Western Regional Office

Dave Tuthill

Today's Storage 1,823,150 ac. ft.
System Is 44 % Filled
2/12/80 E.M.C.

stem spring runoff. The total system is 44 percent.
oirs full. Bureau of Reclamation illustration.
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# ance panel oreclosures

at has been overcome the rm in Idaho," ning an ex- the board. ner farmer or board is to he farmer and there is an op- oceedings will the panel is have to hold of individual s said. aho financial e cool toward iew board on- ump through, " to farm

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also is setting

Rush in Idaho Falls, is the new Leadership Idaho Agriculture project.

The state will be sponsoring a new statewide leadership program aimed at developing leadership talents of those involved in agriculture.

It will start in December and involve 40 participants over a five-month period. They will attend five three-day seminars, one each month. The workshops and forums will concentrate on agricultural economics, marketing, government and public policy.

The seminars will be held in Moscow, Boise and Idaho Falls.

"The greatest agricultural resource we have in Idaho is mind power," said Rush, at the Idaho Falls news conference.

"If we ignore the tremendous potential of our thinking and leading, then the other abundant resources we have cannot be fully utilized," he said.

Rush said the program is loosely patterned after other training programs, such as those conducted by chambers of commerce. Potential candidates are farmers and ranchers, members of agricultural boards and commissions and people who work in financing, marketing and processing.

Tuition fees are $1,000 per person.

The leadership program will be

# Public hearings scheduled on proposed stream flows

BOISE – The Idaho Department of Water Resources has scheduled a public hearing at 9:30 a.m. next Wednesday at the Fremont County Courthouse in St. Anthony to discuss two proposed minimum stream flows on Warm River.

The first proposed minimum stream flow, filed by the Idaho Falls Resource Board on June 19, 1981, at the request of the Idaho Department of Fish and Game, is for 141 cubic feet per second. The reach of the stream involved is from the confluence with the Henry's Fork upstream about half a mile to State Highway 47, a news release from the department says.

The second proposed minimum stream flow on Warm River and filed by the IWRB on Sept. 27, 1984, at the request of the Department of Fish and Game. Also for 141 cfs, the proposed minimum stream flow covers the reach of the river from State Highway 47 upstream to Warm River Springs.

Both were filed to maintain the high quality of the fisheries and the spawning and rearing habitat, according to A. Kenneth Dunn, IDWR director.

The department has also scheduled a hearing on two proposed minimum stream flows on the Teton River and Bitch Creek at 9:30 a.m. on Nov. 21 in the Teton County Courthouse in Driggs.

Filed by the board on June 19, 1981, at the request of the Department of Fish and Game, the proposed minimum stream flow for 106 cubic feet per second on the Teton River would include about nine miles of stream. The reach begins in the NWNE, Section 20, Township 7N, Range 44E, upstream to State Highway 33. The purpose of the filing is to maintain trout habitat, the news release says.

The second proposed minimum stream flow, 28 cfs in Bitch Creek, was also filed by the water resource board at the request of the Fish and Game Department on June 19, 1981. The reach of the creek involved is from the NWNE of Section 20, Township 7N, Range 44E, upstream about six miles to State Highway 32. Its purpose is to maintain spawning and rearing of game fish.

Anyone wishing to comment on these proposed minimum stream flows is encouraged to attend the hearings.

## Michigan woman wins car in 69-hour endurance contest

By The Associated Press

KALAMAZOO, Mich. – Tracy Miller had a long overdue appointment with her bed after staying awake 69 hours in a battle with 13 others for a 1985 Buick that was quite literally up for grabs.

The rules of the contest sponsored by a Coldwater radio station were simple: The last contestant to be awake and keep a hand on the car, without the help of tape or glue, wins the maroon Somerset.

Fourteen contestants chosen by WNWN Radio started the endurance contest on a Friday with smiles and a lot of ribbing. By 11:30 a.m. the following Monday, only Miller and Laura Waltz, 24, of Sturgis, Mich., were still hanging on.

Five hours and eight minutes later, Waltz succumbed. She dozed off and [illegible] scratched her nose, removing her hand from the car.

Miller, 32, of Battle Creek, Mich., says she celebrated with a long nap.

DEC 18 1989

TETON TRAVEL PRESENTS

RECEIVED
NOV 18 1985
Department of Water Resources

John Brown
Box 61
Tetonia, Idaho 83452
November 13, 1985

Director
Dept. of Water Resources
Statehouse
Boise, Idaho 83720

RE: Notice of Protest, Application for Permit # 22-7369, Teton River Minimum Stream Flow

Dear Sir:

I would like to comment at the hearing to be held on November 21, 1985, at the Driggs Courthouse.

I protest the issuance of the Fish and Game minimum stream flow application, until such time as the irrigators in the area have had an opportunity to assess the impact that this minimum flow would have on the farming economy.

Yours truly,

John M Brown

John Brown

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DEC 10 1989

RECEIVED
Department of Water Resources
Western Regional Office

State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

RECEIVED
NOV 14 1985
Department of Water Resources
Western Regional Office

November 8, 1985

Re: Minimum Stream Flow Applications on Warm River

Dear Interested Party:

The Idaho Department of Water Resources will be holding a hearing on two minimum stream flow applications on reaches of Warm River. According to our records, you have shown an interest in one or both of these minimum stream flow applications.

Information describing the applications and the time and place of the hearing is shown on the enclosed fact sheet. Also enclosed is a brochure which describes the minimum stream flow procedure.

At the hearing you will have an opportunity to provide testimony. If you wish to become a full party with the opportunity to cross-examine witnesses, please advise this office on or before November 14, 1985. On behalf of the Idaho Department of Water Resources, you are cordially invited to attend.

Sincerely,

David R. Tuthill Jr.

DAVID R. TUTHILL, JR., P.E.
Acting Supervisor, Water Allocation Section

ls

Enclosures

MICROFILMED
DEC 16 1985

Dear Sir:

I will appreciate the opportunity to participate at the hearings in St. Anthony + Driggs —

Thanks —

J. Leigh Chantrill

Newdale, Id.

RECEIVED
DEC 18 1989

Linda -
P/Z file with
MSF files.
Dave

DWR

RECEIVED
NOV 13 1985
Department of Water Resources

November 11, 1985

Director
Department of Water Resources
Statehouse
Boise, Idaho 83720

RE: Notice of Protest, Application for
Permit # 22-7369, Teton River Minimum
Stream Flow

Dear Sir:

We would like to testify at the hearing to be held in the above named matter on November 21, 1985, at the Driggs Courthouse.

We will state our position protesting the issuance of this permit at this time for the following reasons:

1) Energy Gap, Inc., is an Idaho Corporation, which holds a Preliminary Permit (8516-000) from the Federal Energy Regulatory Commission, for the development of a hydroelectric generating project on the Teton River. Energy Gap, Inc. has also filed an application to your Department for a permit for a non-consumptive water right (22-7483) for this project. This application may potentially compete with the Department of Fish and Game's 106 cfs application.

2) The FERC Preliminary Permit grants us priority to study the feasibility of a hydroelectric generating project on the Teton River, just upstream from the existing Felt hydro project. This Permit allows for 36 months to perform all studies and analyses, including a comprehensive, one full year's instream flow study of the fish habitat. The granting of the Fish and Game application for 106 cfs at this time, would preempt our rights under Federal Law to perform a comprehensive fish habitat study before a minimum instream flow is to be established.

3) During the study period allowed under Federal Law, the Idaho Department of Fish and Game will have an opportunity to analyze and comment on the results of our comprehensive study, prior to our formal application for a FERC License.

4) We do not know at this time whether we will agree or disagree with the Fish & Game's 1978 study (Project F-69-R-3) on which they have based their 106 cfs application.

Since the 106 cfs request may have significant economic impact on our project, we believe that an extension should be granted to allow for these proposed additional studies, which will be funded by us.

MICROFILMED
DEC 18 1989

In fact, the Fish and Game 1978 study appears to allow for this:

> "New flow recommendations for these streams may be made in future report when circumstances warrant (new and improved methodologies, changes in species compositions, etc.)"

5) Time is not of the essence in granting the Fish and Game application. By virtue of our FERC Preliminary Permit, our project is the only hydroelectric project that could impact this section of the Teton River for the next three years. We are requesting an extension of time, so that more thorough studies can be made using state-of-the-art methodologies.

6) In a December 11, 1984, letter to your department protesting our Permit Application, the Department of Fish and Game stated, "Granting the application of 650 cfs would not only preempt the 106 cfs proposed minimum flow, but would totally dewater approximately two miles of stream . . ." That statement is erroneous and misleading. We have never intended to dewater the stream. The amount of water used for electrical generation would vary from month to month, always insuring sufficient water to support the fish habitat. Preliminary engineering studies have indicated that the project would be most economic with an average year-round-flow of 450 cfs. In fact, our intention is to work closely with Fish & Game to establish these minimum flows, allowing for input from our own fishery's biologist and his comprehensive studies.

7) On February 9, 1982, the Department of Fish and Game participated on an instream flow study at the Felt Hydroelectric site, which is contiguous to our proposed Upper Teton Project. In this study, flows could be controlled by use of the project's sluice gate. Actual stream observations were made at discharges of 0, 10, 20, 30, 50, and 100 cfs. Fish and Game concurred with the resulting study which called for "...20 cfs except for 3 months each year during the period of cutthroat spawning migration when the minimum flow release will be 50 cfs." We understand that the fish habitat may differ somewhat at the Upper Teton site, and exact studies will need to be made before making a final determination.

Our position is that the minimum stream flow requested by the Department of Fish and Game should not be arbitrarily set at 106 cfs. Since this could have significant economic impact on our project, we are requesting that an extension of time be allowed for more thorough studies.

Yours truly,

Bruce Morley
President

/bwm

MICROFILMED
DEC 18 1989

CONVERSATION MEMORANDUM

DATE November 14, 1985

FILE Public Hearing File for MSF 22-7369 and 22-7370

NAME OF PARTY Roger Hoopes

EMPLOYEE Linda Smith

RE: MSF Hearing in Driggs on November 21, 1985

Pursuant to my conversation with Mr. Hoopes on the above date, he or a representative is scheduled to present testimony and/or cross-examine witnesses at the November 21, 1985 hearing in the Teton County Courthouse in Driggs. He is representing Echo Ranch.

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DEC 18 1989

On November 8, 1985 copies of the attached materials were sent to the property owners, waterusers, interested parties and legislators identified on the attached mailing labels

Linda D. Smith

LINDA D. SMITH

MICROFILMED
DEC 1 0 1989

MINIMUM STREAM FLOW

Fact Sheet

Water Right No.: 22-7369

Source: Teton River

Applicant: Idaho Water Resource Board

Requesting Agency: Idaho Department of Fish and Game

Date Application Filed: June 19, 1981

Rate of Flow: 106 cfs

Location: From NW¼NE¼, Sec. 20, Township 7N, Range 44E, B.M., Teton County, upstream approximately 9 miles to State Highway 33 in SE¼SW¼, Sec. 23, Township 6N, Range 44E, Teton County.

Purpose: To maintain trout habitat from the confluence with Bitch Creek upstream to Highway 33.

Hearing: Thursday, November 21, 1985, in the Teton County Courthouse in Driggs, 9:30 am.

---

Water Right No.: 22-7370

Source: Bitch Creek

Applicant: Idaho Water Resource Board

Requesting Agency: Idaho Department of Fish and Game

Date Application Filed: June 19, 1981

Rate of Flow: 28 cfs

Location: From the NW¼NE¼ of Sec. 20, Township 7N, Range 44E, B.M., Teton County, upstream approximately 6 miles to State Highway 32 in the NW¼NW¼, Sec. 17, Township 7N, Range 45E, Teton County.

Purpose: To maintain spawning and rearing of game fish from the confluence with Teton River upstream to Highway 32.

Hearing: Thursday, November 21, 1985, in the Teton County Courthouse in Driggs, 9:30 am.

MICROFILMED

DEC 18 1989

November 8, 1985

Re: Minimum Stream Flow Applications on Teton River and Bitch Creek

Dear Wateruser:

The Idaho Department of Water Resources will be holding a hearing on two minimum stream flow applications on reaches of Bitch Creek and Teton River. According to the records of this Department, you have a water right for which the point of diversion is located in or near one or both of the proposed minimum stream flow reaches.

Information describing the application and the time and place of the hearing is shown on the enclosed fact sheet. Also enclosed is a brochure which describes the minimum stream flow procedure.

At the hearing you will have an opportunity to provide testimony. If you wish to become a full party with the opportunity to cross-examine witnesses, please advise this office on or before November 14, 1985. On behalf of the Idaho Department of Water Resources, you are cordially invited to attend.

Sincerely,

David R. Tuthill

DAVID R. TUTHILL, JR., P.E.
Acting Supervisor, Water Allocation Section

ls

Enclosures

MICROFILMED
DEC 1 0 1985

Waterusers - Teton River and [illegible]h Creek
MSF - 22-7369 and 22-7370

Teton Pipeline Assn.
c/o Glen Nelson or Ronnie Ard
Star Rt.
Newdale, ID 83436

DeMar Bott
Newdale, ID 83436

Max and Merrill Rammell
Box 206
Driggs, ID 83426

J. Clint Hoopes
25 South Third East
Rexburg, ID 83440

Rex and Larry Ard
274 West 1st South
Rexburg, ID 83440

Ehco Ranches and/or Mrs. E.G. Bickmore
25 South Third East
Rexburg, ID 83440

Earl N. Hoopes
Box 688
Rexburg, ID 83440

Teton Valley Power and Milling Co.
Driggs, ID 83422 returned out of business

Mark R. Ricks
Riko, Inc.
259 South Third East
Rexburg, ID 83440

John and Rita Peterson
320 N. St. Box 358
Filer, ID 83328

Ehco Ranch
Box 97
Tetonia, ID 83452 also Property owner

Fall River Rural Electric Coop., Inc.
P.O. Box 617
Ashton, ID 83420

Elvin or Lois McCulloch
Box 95
Tetonia, ID 83452

Ray M. Brown
Box 73
Tetonia, ID 83452

Darrel Ard
136 South 1st St.
Rexburg, ID 33440

Ehco Ranch, Inc.
Box 688
Rexburg, ID 83440

Keith J. Arnold and Sons, Inc.
Box 246
Sugar City, ID 83448

Teton Georgic Inc.
P.O. Box 143
Rexburg, ID 83440

Fall River Irrigation, LTD.
P.O. Box 5
St. Anthony, ID 83445

MICROFILMED
DEC 1 0 1983

Energy Cap, Inc.
P.O. Box 32
Gooding, ID 83330

George A. and Lydia A. Briggs
Box 62
Teton, ID 83451

Frank E. Caddy
P.O. Box 334
Driggs, ID 83422

Canyon Creek Lateral
Ditch Water Users Assn.
Newdale, ID 83436

MICROFILMED
DEC 1 6 1989

November 8, 1985

Re: Minimum Stream Flow Applications on Teton River and Bitch Creek

Dear Property Owner:

The Idaho Department of Water Resources will be holding a hearing on two minimum stream flow applications on reaches of Teton River and Bitch Creek. According to the records at the county courthouse, you are one of the owners of property adjacent to one or both of the reaches where the minimum stream flows are proposed.

Information describing the applications and the time and place of the hearing is shown on the enclosed fact sheet. Also enclosed is a brochure which describes the minimum stream flow procedure.

At the hearing you will have an opportunity to provide testimony. If you wish to become a full party with the opportunity to cross-examine witnesses, please advise this office on or before November 14, 1985. On behalf of the Idaho Department of Water Resources, you are cordially invited to attend.

Sincerely,

David R. Tuthill Jr

DAVID R. TUTHILL, JR., P.E.
Acting Supervisor, Water Allocation Section

ls

Enclosures

MICROFILMED
DEC 1 0 1989

Property Owners - Teton R[illegible] and Bitch Creek
MSF - 22-7369 and 22-7370

Hibbert Farms
Driggs, ID 83422

Lynn Smith
Felt,
Idaho 83424

Jay Ricks
295 S. 3rd E.
Rexburg, ID 83440

Klar F. Jorgensen
634 College St.
Idaho Falls, ID 83401

George Rammell
Tetonia, ID 83452

Irene Casper
1240 Susanne
Idaho Falls, ID 83401
Returned

J. Butts
Box 66
Teton, ID 83451

Robert Bartholomew
Tetonia, ID 83452

Edith Harrop
Box 297
Driggs, ID 83422

Lyle Smith
Felt, ID 83424

Terry Hardman
33421 Hwy 224, Space 0
Estacada, OR 97023

Wm. J. McCarthy
4910 Hawthorne
Pocatello, ID 83201

RECEIVED
DEC 1 0 1989

November 8, 1985

Re: Minimum Stream Flow Applications on Teton River and Bitch Creek

Dear Interested Party:

The Idaho Department of Water Resources will be holding a hearing on two minimum stream flow applications on reaches of Teton River and Bitch Creek. According to our records, you have shown an interest in one or both of these minimum stream flow applications.

Information describing the applications and the time and place of the hearing is shown on the enclosed fact sheet. Also enclosed is a brochure which describes the minimum stream flow procedure.

At the hearing you will have an opportunity to provide testimony. If you wish to become a full party with the opportunity to cross-examine witnesses, please advise this office on or before November 14, 1985. On behalf of the Idaho Department of Water Resources, you are cordially invited to attend.

Sincerely,

David R. Tuthill Jr.

DAVID R. TUTHILL, JR., P.E.
Acting Supervisor, Water Allocation Section

ls

Enclosures

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DEC 10 1989

Interested Parties - Teton River and Fitch Creek
MSF - 22-7269 and 22-7370

Victoria Ruwitch
Rt. 1
Victor, ID 83455

Hobart and Martha Collins
Box 124
Driggs, ID 83422

L.D. "Buck" Goodrich
Rt. #2, Box 360
Shelley, ID 83274

Bruce Staples
291 Dale Drive
Idaho Falls, ID 83402

George Wentzel
Conservation Chair
Eastern Idaho Group, Sierra Club
1636 S. Fairway Dr.
Pocatello, ID 83201

Ralph W. Moon
Rt. 1, Box 191-3
St. Anthony, ID 83445

Dennis G. Bitton
1387 Cambridge Dr.
Idaho Falls, ID 83401

Lyle Dickerson
Box 157
Driggs, ID 83422

Charles Icland
Box 141
Driggs, ID 83422
returned

Dick Egbert
Tetonia, ID 83452

Lavell H. Johnson
Driggs, ID 83422

Dale Breckenudge
Tetonia, ID 83452

Wick Graves and Bill Arkoosh
Rt. 2
Gooding, ID 83330

John Arkoosh
P.O. Box 32
Gooding, ID 83330

Cathy Koon
St. Anthony, ID 83445

Joyce Hunter
St. Anthony, ID 83445

Lyle Kunz
Box 253
Driggs, ID 83422

MICROFILMED
DEC 18 1989

Vernon Christoffersen
Tetonia, ID 83452

James Siddoway
County Courthouse
St. Anthony, ID 83445

Laurence Parker
County Courthouse
St. Anthony, ID 83445

Robert Reichert
Rt. #2
Filer, ID 83328

Dale Rochwood
Rt. #1, Box 218
Idaho Falls, ID 83401

Reed Murdock
Rt. #5, Box 53
Blackfoot, ID 83221

Reid Oldham
Rt. #2, Box 297
Rexburg, ID 83440

Paul Berggren
Rt. #1, Box 231
Blackfoot, ID 83221

Lester Saunders
Hazelton, ID 83335

Preston Alchley
Ashton, ID 83420

Claude Storer
Rt. #8, Box 327
Idaho Falls, ID 83401

Phil Hanks
Rt. #4 Box 455
Burley, ID 83318

Mr. Clair Whitlock
State Director - BLM
3380 Americana Terrace
Boise, ID 83706

U.S. Forest Service
Ririe Hwy - Beeches Corner
Idaho Falls, ID 83401

Larry Cooke
County Courthouse
Driggs, ID 83422

Lowell B. Curtis
County Courthouse
Driggs, ID 83422

Reid Brower
County Courthouse
Driggs, ID 83422

John C. Briggs
Box 96
Tetonia, ID 83452

Chi Melville
Box 488
Driggs, ID 83422

MICROFILMED

Ralph Maughan
P.O. Box 1178
Pocatello, ID 83204

Claire Lavendel
Box 591
Driggs, ID 83422

Re: Public Hearing Regarding Water Rights for Minimum Stream Flows

The Idaho Department of Water Resources has scheduled a public hearing on two minimum stream flow applications for water rights proposed in or near your legislative district.

The hearing for the applications on Teton River and Bitch Creek will be held in the Teton County Courthouse in Driggs, at 9:30 a.m. on Thursday, November 21, 1985. Please find the enclosed fact sheet describing the applications and a brochure about the minimum stream flow procedure.

On behalf of the Director of the Idaho Department of Water Resoruces, you are cordially invited to attend.

Sincerely,

David R. Tuthill Jr.

DAVID R. TUTHILL, JR., P.E.
Acting Supervisor, Water Allocation Section

ls

Enclosures

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DEC 16 1989

Legislators - Teton River and Bitch Creek

MSF - 22-7369 and 22-7370

Representative J. F. Chadband
460 E. Anderson
Idaho Falls, ID 83401

Representative Preston B. Brimhall
465 9th St.
Idaho Falls, ID 83401

Representative M. Reed Hansen
Rt. 5, Box 213
Idaho Falls, ID 83401

Senator Dane Watkins
2242 S. Boulevard
Idaho Falls, ID 83402

Representative Stan Hawkins
Box 367
Ucon, ID 83454

Representative Golden C. Linford
Rt. 3, Box 433-8
Rexburg, ID 83440

Senator Michael D. Crapo
P.O. Box 129
Idaho Falls, ID 83402

Senator E. Lee Staker
2553 Everon
Idaho Falls, ID 83401

Senator Ann Rydalch
3824 E. 17th St.
Idaho Falls, ID 83401

Representative John O. Sessions
Box 10 414 N. Main
Driggs, ID 83420

Representative Marilyn Stanger
Rt. 1, Box 474
Idaho Falls, ID 83401

Representative Linden B. Bateman
Rt. 1, Box 442
Idaho Falls, ID 83401

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DEC 1 6 1989

State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

October 18, 1985

Bob Meinen, Director
Idaho Department of Parks and Recreation
Statehouse
Boise, ID 83720

Virgil Moore
Idaho Department of Fish and Game
Statehouse
Boise, ID 83720

Re: Schedule of Minimum Stream Flow Public Meetings
and Hearings, November, 1985

Gentlemen:

The purpose of this letter is to follow up on our earlier telephone conversations by providing you with a copy of the above-referenced schedule.

Per our discussion, the requesting agency will be invited to present information relative to the applications for both the public meetings and the hearings, as we have done in the past.

Sincerely,

Dave

DAVID R. TUTHILL, JR., P.E.
Acting Supervisor, Water Allocation Section

ls

Enclosure

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LEGAL NOTICE

Notice is hereby given that the following applications have been submitted for permit to appropriate the public waters of the State of Idaho:

NOTICE OF APPLICATION FOR MINIMUM STREAM FLOW

Notice is hereby given that the Idaho Water Resource Board has on June 19, 1981 submitted the following applications for permits to the Department of Water Resources:

No. 22-7369 proposing the appropriation of 106 cfs of water from the Teton River tributary to Henrys Fork Snake River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 9 miles to State Highway 33 in the SESW, Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from Bitch Creek tributary to Teton River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 6 miles to State Highway 32 in the NWNW, Sec. 17, T. 7N, R. 45E, B.M., both in Teton County.

The applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.



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RECEIVED
OCT 15 1981
Department of Water Resources
Western Regional Office

The Director of the Department of Water Resources will hold a public hearing on the applications in the Courtroom, Teton County Courthouse, Driggs, Idaho at 9:30 a.m. November 21, 1985, for the purpose of hearing evidence in regard to the applications. The hearing will be held pursuant to the provision of Section 42-1503, Idaho Code.

Any party who wishes to formally appear at this proceeding for the purpose of presenting evidence or cross examining witnesses should file a notice of appearance with the Director of the Department of Water Resources, Statehouse, Boise, Idaho, five (5) days prior to the hearing. Other parties will be given an opportunity to informally present their views and comments without the necessity of filing a notice of appearance.

If issued the permit will be subject to all prior water rights.

A. KENNETH DUNN

Director

Published in the Teton Valley News, Post Register, Ashton Herald, Fremont County Chronicle, Idaho Statesman, Lewiston Morning Tribune, and Times News on 10/17 and 10/24/85.

MICROFILMED
DEC 1 6 1985

22-73609

ATTENDANCE ROSTER

ID WATER RESOURCE BOARD
PUBLIC MEETING ON TETON RIVER AND BITCH CR
MINIMUM STREAM FLOW FILINGS 22-7369, 22-7370 DRIGGS, ID SEPT 27, 1984

| NAME | ADDRESS | REPRESENTING |
|---|---|---|
| Lyle Dickerson | Box 157 Driggs, Idaho | |
| Charles A Clark | Box 141 Driggs Ida. | SELF |
| EARL Hoopes | Box 92 Tetonia | " |
| Cindy Egbert | Tetonia | " |
| Lavell N Johnson | Driggs Idaho | Grand Teton Canal |
| Dale J Breckenridge | Tetonia Idaho | Self |
| Jean Breckenridge | " " | |
| Nick Draper | R#2 Gooding | Energy Dep, Inc. |
| S.P. Arkoosh | Rt 2 Gooding | Energy Dep, Inc. |
| JOHN D. McKELLAR | Rt 2 Box 1206 Driggs, ID | Self |
| John U. SESSIONS | 414 No. Main - Driggs | State Representative |
| J.F. Chadband | 460 E. Anderson - R.F. | - - |
| Cathy Koon | St. Anthony | Post-Register |
| Joyce Hunter | St. Anthony | Standard-Journal |
| Lyle Kunz | Driggs Box 253 | Outfitter & Guide |
| Herman Christiansen | Tetonia Ida | Farmer |

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DEC 15 1989

NOTICE OF PUBLIC MEETING

SEP 13 1984

Department of Water Resources

Notice is hereby given that an informal public meeting will be conducted by the Idaho Water Resource Board on Wednesday, September 26, 1984 at 7:30 p.m. in the Courtroom, Fremont County Courthouse, St. Anthony, Idaho to receive comments on minimum streamflow applications as follows:

No. 21-7281 proposing the appropriation of 140 cfs of water from Fall River tributary to Henry's Fork Snake River. The location of the reach is the NE¼SE¼, Sec. 14, T. 8N, R. 41E, upstream approximately 8 miles to State Highway 32 in the SE¼NW¼, Sec. 18, T. 8N, R. 43E.

No. 21-7283 proposing the appropriation of 141 cfs from Warm River tributary to Henry's Fork Snake River. The location of the reach is the NW¼NW¼, Sec. 13, T. 9N, R. 43E, upstream approximately 1/2 mile to State Highway 47 in the SW¼SE¼, Sec. 12, T. 9N, R. 43E, B.M., both in Fremont County.

On Thursday, September 27, 1984 at 7:30 p.m. in the Courtroom, Teton County Courthouse, Driggs, Idaho an additional public meeting will be held to receive comments on minimum streamflow applications as follows:

No. 22-7369 proposing the appropriation of 106 cfs from the Teton River tributary to Henry's Fork Snake River. The location of the reach is the NW¼NE¼, Sec. 20, T. 7N, R. 44E, upstream approximately 9 miles to State Highway 33 in the SE¼SW¼, Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from Bitch Creek tributary to Teton River. The location of the reach is the NW¼NE¼, Sec. 20, T. 7N, R. 44E, upstream approximately 6 miles to State Highway 32 in the NW¼NW¼, Sec. 17, T. 7N, R. 45E, B.M., both in Teton County.

All of the above applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

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A. KENNETH DUNN
Director

Published in the Ashton Herald, Fremont County Chronicle, Post Register, Teton Valley News on September 13 and 20, 1984

22-7369

FOR IMMEDIATE RELEASE

September 12, 1984

State of Idaho, Statehouse, Boise, Idaho 83720
Phone: (208) 334-4440

# NEWS RELEASE

BOISE--- The Idaho Water Resource Board (IWRB) will conduct two public information meetings in eastern Idaho this month to discuss proposed minimum stream flow applications on file with the Idaho Department of Water Resources (IDWR.)

The Wednesday, Sept. 26 meeting at the Fremont County Courthouse, court room, St. Anthony, at 7:30 p.m. will deal with two proposed instream flow applications on Fall and Warm Rivers.

The Thursday, Sept. 27 meeting at the Teton County Courthouse, court room, Driggs, at 7:30 p.m. concerns Teton River and Bitch Creek instream flow applications.

All four applications were filed on June 19, 1981, at the request of the Idaho Department of Fish and Game. The applications, which seek year-round protection of fisheries and spawning and rearing habitat, provide for the following rates of flows and locations:

Fall River---140 cubic feet per second (cfs) from Highway 32 downstream about eight miles.

Warm River----141 cfs from Highway 47 [illegible] about 1/2 mile.

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more

Teton River---106 cfs from Highway 33 downstream about nine miles.

Bitch Creek---28 cfs from Highway 32 downstream about six miles.

As required by law, if the Idaho Water Resource Board finds the proposed minimum stream flows to be in the public interest, the Idaho Department of Water Resources will conduct public hearings on the applications later in the year. After the hearings, the applications will be reviewed by the Director of the Department, for approval or denial. If approved, the applications must be sent to the Idaho Legislature, which may approve or reject them.

The public is encouraged to come and let the Idaho Water Resource Board know how it feels about any or all of these proposed instream flow rights, which, if approved, would be junior to any other established rights on the streams. These minimum stream flow rights also would not in any way affect any earlier, existing rights.

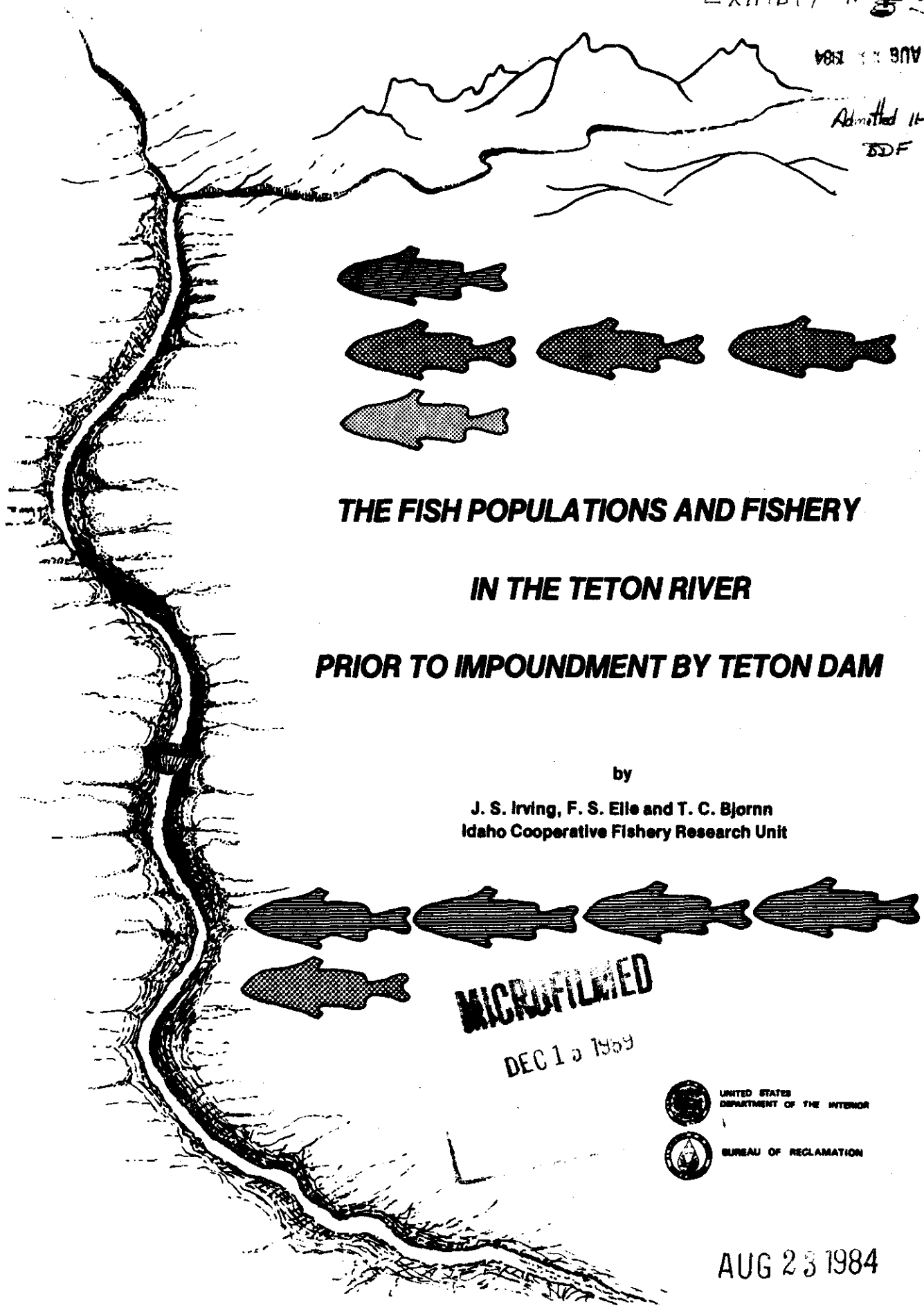
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DEC 15 1989

FISH AND GAME
EXHIBIT #3

AUG 1984

Admitted 11-21-85
BDF



# THE FISH POPULATIONS AND FISHERY IN THE TETON RIVER PRIOR TO IMPOUNDMENT BY TETON DAM

by

J. S. Irving, F. S. Elle and T. C. Bjornn
Idaho Cooperative Fishery Research Unit

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UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF RECLAMATION

AUG 2 3 1984

# THE FISH POPULATIONS AND FISHERY IN THE TETON RIVER PRIOR TO IMPOUNDMENT BY TETON DAM

by

J. S. Irving, F. S. Elle and T. C. Bjornn
Idaho Cooperative Fishery Research Unit

Submitted to the

U. S. BUREAU OF RECLAMATION
Boise, Idaho

and

IDAHO DEPARTMENT OF FISH AND GAME
Boise, Idaho

Contribution Number 68

Forest, Wildlife and Range Experiment Station
University of Idaho

February, 1977

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## ABSTRACT

As part of a pre-impoundment study of the Teton River and its tributaries we collected the following ten species of fish in decreasing order of abundance: mountain whitefish, eastern brook trout, cutthroat trout, rainbow trout and the Utah and Colorado suckers combined. Redside shiners, longnose dace, mottled sculpin and Piute sculpin were also present but their abundance was not assessed.

We found that the relative abundance of most fish species varied between areas of the Teton River. In 1974 we found that in Teton Valley, Teton Canyon and below Teton Dam whitefish comprised 58%, 59% and 53% of the fish collected from the Teton River; cutthroat trout 6%, 27% and 33%; brook trout 27%, 2% and less than 1%; rainbow trout 6%, 11% and 4% and suckers 3%, 2% and 10%, respectively. In 1975 we found that in Teton Valley and below Teton Dam whitefish comprised 47% and 41% of the fish collected; cutthroat trout 9% and 37%; brook trout 30% and less than 1%; rainbow trout 6% and 5% and suckers 8% and 16%, respectively.

During 1975 we calculated the relative fish density (fish/1000 linear feet) in two areas of the Teton River. In Teton Valley we found 9.5 whitefish and 9.1 trout per 1000 linear feet compared to 11.7 whitefish and and 10.9 trout found below Teton Dam. In Teton Valley we found 1.7 cutthroat, 1.2 rainbow and 6.2 brook trout per 1000 linear feet while below Teton Dam we found 9.4 cutthroat, 1.5 rainbow and less than 1.0 brook trout.

Of 3,078 cutthroat trout tagged, we recovered 284 usable returns over a two year period. The results of the tagging information seem to indicate that cutthroat trout in Teton Valley, Teton Canyon and Bitch Creek over wintered in those areas. Some of the cutthroat trout tagged below Teton Dam during the summer moved 5-20 miles downstream to over winter. Most of the fish that were recaptured, particularly upstream from the dam, had moved less than 1 mile.

Cutthroat trout in Teton Valley grew at a slower rate the first and second years of life than the cutthroat trout in Teton Canyon and below Teton Dam. Growth rates of cutthroat trout in Teton Canyon and below Teton Dam were similar to what Mallet (1961) found on the Middle Fork of the Salmon River. In Teton Canyon and below Teton Dam most male and female cutthroat trout matured by age IV and V, respectively, In Teton Valley most male cutthroat trout matured by age II and III, while females matured at age V.

In 1974 and 1975 we calculated annual mortality rates for cutthroat trout of .44 and .25 below Teton Dam, .51 and .54 in Teton Canyon and .47 and .50 in Teton Valley, respectively.

We found that 3.0% of the 304 fish we examined were infected with Philonema, a parasitic nematode. Rainbow trout had the highest infection rate (12.1%), followed by brook trout (3.2%), cutthroat trout (2.4%), and whitefish (1.0%). No parasites were found in the suckers or cutthroat rainbow hybrids examined.

Using an aerial census, we estimated that anglers fished 27,956 hours (±1398 hours 95% confidence interval) during 1974. During the 1975 study period we estimated anglers fished 32,364 hours (±1942 hours 95% confidence interval), a 16% increase over 1974. Anglers caught an estimated 38,400 and 47,100 game fish during 1974 and 1975 respectively. In 1974 the catch consisted of 39% cutthroat trout, 31% brook trout, 28% rainbow trout and 2% whitefish. During 1975 anglers caught 29% cutthroat trout, 23% brook trout, 47% rainbow trout, and 1% whitefish. Anglers voluntarily released an estimated 39% (15,000 fish) of all game fish caught in 1974 and 31% (14,600) of all fish caught in 1975 during the census intervals.

Anglers caught fish at the rate of 1.41 and 1.45 fish per hour during 1974 and 1975, respectively. Cutthroat trout caught by anglers during 1974 averaged 266 mm total length throughout the study area. Brook trout and rainbow trout averaged 228 mm and 256 mm total length, respectively.

Most Teton River fishermen in all study zones fished with bait. Annual mortality rates, calculated from angler catch length frequencies, for cutthroat trout were above 60% in most zones.

During 1974 and 1975 we interviewed 1105 anglers to assess their attitudes regarding the Teton River fishery, and the effects of the Teton Dam and Reservoir on that fishery. Most Teton River fishermen were local residents, middle-aged males from a wide variety of occupational classes. Most anglers rated the Teton River as good for fishing and preferred to catch rainbow or cutthroat trout. Only 20% of the anglers contacted utilized the Teton Canyon areas to be affected by the Teton Dam for fishing. More anglers favored the Teton Project than were opposed to it. Many anglers planned to fish the reservoir after final construction and believed it would have a beneficial effect on the Teton River fisheries resources.

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# INTRODUCTION

The fishery resources of the Teton River drainage provided benefits to a large number of recreationalists in southeastern Idaho. Teton Dam and Reservoir would have impounded a 17-mile segment of previously free-flowing river. In the past, the Teton River has provided a fishery for native cutthroat trout and whitefish, wild and stocked rainbow trout and brook trout. This pre-impoundment study was undertaken to maximize benefits from the fishery resources consistent with the use of other resources in the project area.

The objectives of the pre-impoundment phase were: 1) to assess the status of native fish populations by collecting information on relative fish abundance and density, migration patterns, size and age at maturity, and growth and mortality rates of the fish stocks; 2) to assess the incidence of Philonema, a parasitic nematode; 3) to assess the amount and the temporal and spatial distribution of angling and harvest of fish; and 4) to assess the attitudes of anglers regarding the Teton River fishery and the Teton Dam and Reservoir.

On June 5, 1976 the earth-filled Teton Dam collapsed. The dam had been backing water up since October, 1975 and was 60% full when the dam collapsed. The river in the impoundment area and the area downstream from Teton Dam were altered by flooding, debris and landslides. Information we collected on the fish populations and fishery during the pre-impoundment phase may be useful in assessing the damage and monitoring the recovery of fish populations in the altered areas.

## STUDY AREA

The study area was located in southeastern Idaho approximately 40 miles northeast of Idaho Falls, Idaho (Figure 1). The Teton River originates in the mountains south of Driggs, Idaho and flows 80 miles northwest through land used mainly for agriculture, before emptying into the North Fork of the Snake River. The study area included the Teton River and its tributaries beginning where U. S. Highway 191 crosses the North and South Forks and continues upstream to Whites Bridge (northwest of Victor, Idaho), a distance of 65 river miles.

We divided the study area into eight zones: Zones 1, 2, and 3 (below Teton Dam); zones 4, 5, and 6 (Teton Canyon); zone 7 (Teton Valley) and zone 8 (Bitch Creek) a major tributary of the Teton River (Figure 2).

Teton Valley is nestled between two mountain ranges, the Tetons on the east and the Garns Mountains on the west. In Teton Valley, where much of the river's flow originates from springs, the river meanders across a valley floor used primarily for grazing. In this area the river is willow-lined, shallow, and in many places heavily silted.

Leaving Teton Valley, the river enters a deep narrow canyon which bears the river's name. Dry farms border the canyon rim on either side. At the beginning of the canyon (commonly called the "narrows") the river is narrow with numerous deep pools. Downstream from the mouth of Bitch Creek the canyon floor widens and the river has occassional deep pools and long deep runs. This was the segment of river that was temporarily impounded.

Downstream from Teton Dam the canyon widened and the river meandered across the canyon floor. The river was deeper in this section than in either Teton Canyon or Teton Valley. Five miles downstream from Teton Dam the river left the canyon area, flowed across the Snake River floodplain and emptied into the North Fork of the Snake River west of Rexburg, Idaho. River discharge in this section was reduced during the summer months from irrigation withdrawals. Small diversion dams and channel relocations were present throughout the section. This section of the river was altered when Teton Dam collapsed.

Many tributary streams enter the Teton River within the study area. Fox, Teton and South Leigh Creeks enter from the east and drain the Teton Mountains. There are also numerous smaller tributaries in Teton Valley, all of which become intermitted due to irrigation withdrawal. Three tributary streams enter the Teton River within the canyon area: Badger, Bitch and Canyon Creeks. All three flow through deep canyons, and only Bitch Creek does not become intermitted in late summer.

There were three dams in Teton Canyon. The newly constructed Teton Dam, located northeast of Newdale, Idaho; Linderman's Dam (built in the early 1960's), located 12 miles upstream from Teton Dam, and Felt Dam (built in the early 1900's), located in the "narrows" 2½ miles upstream from the mouth of Bitch Creek. Felt Dam was not flooded by the impoundment and partially, if not completely, blocks upstream migration of fish.

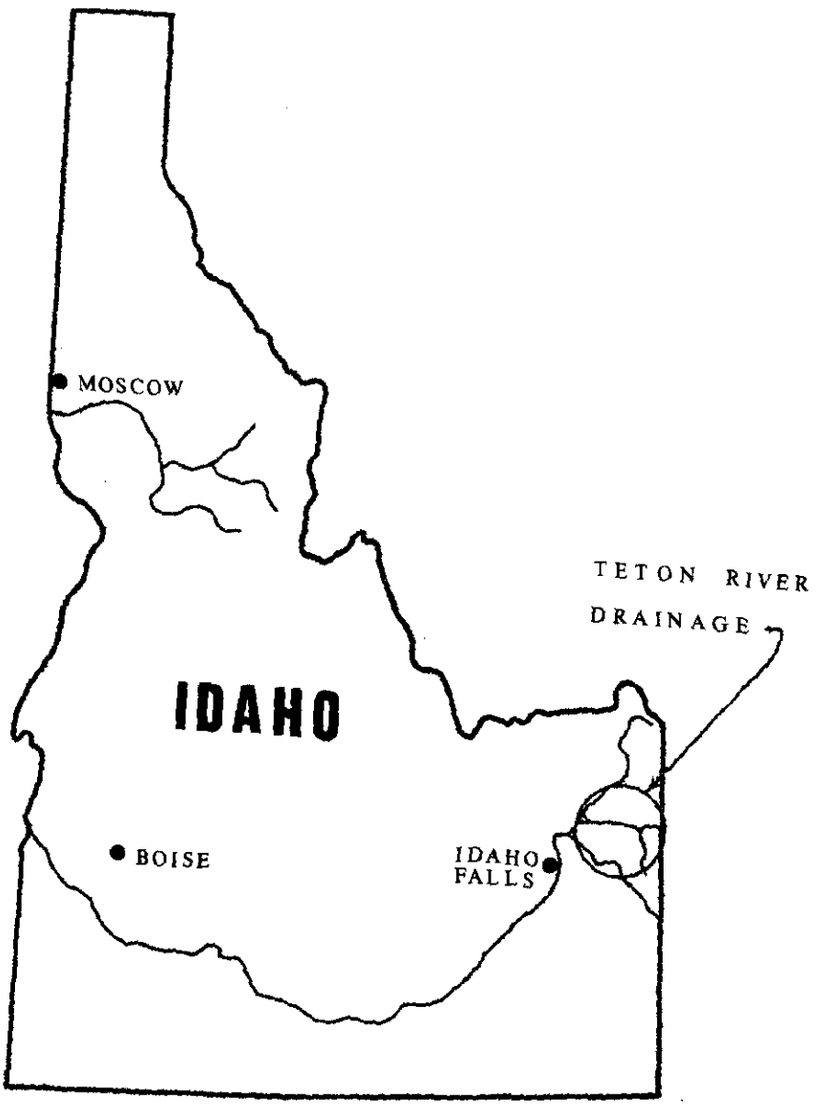



Figure 1. Location of Teton River, Idaho.

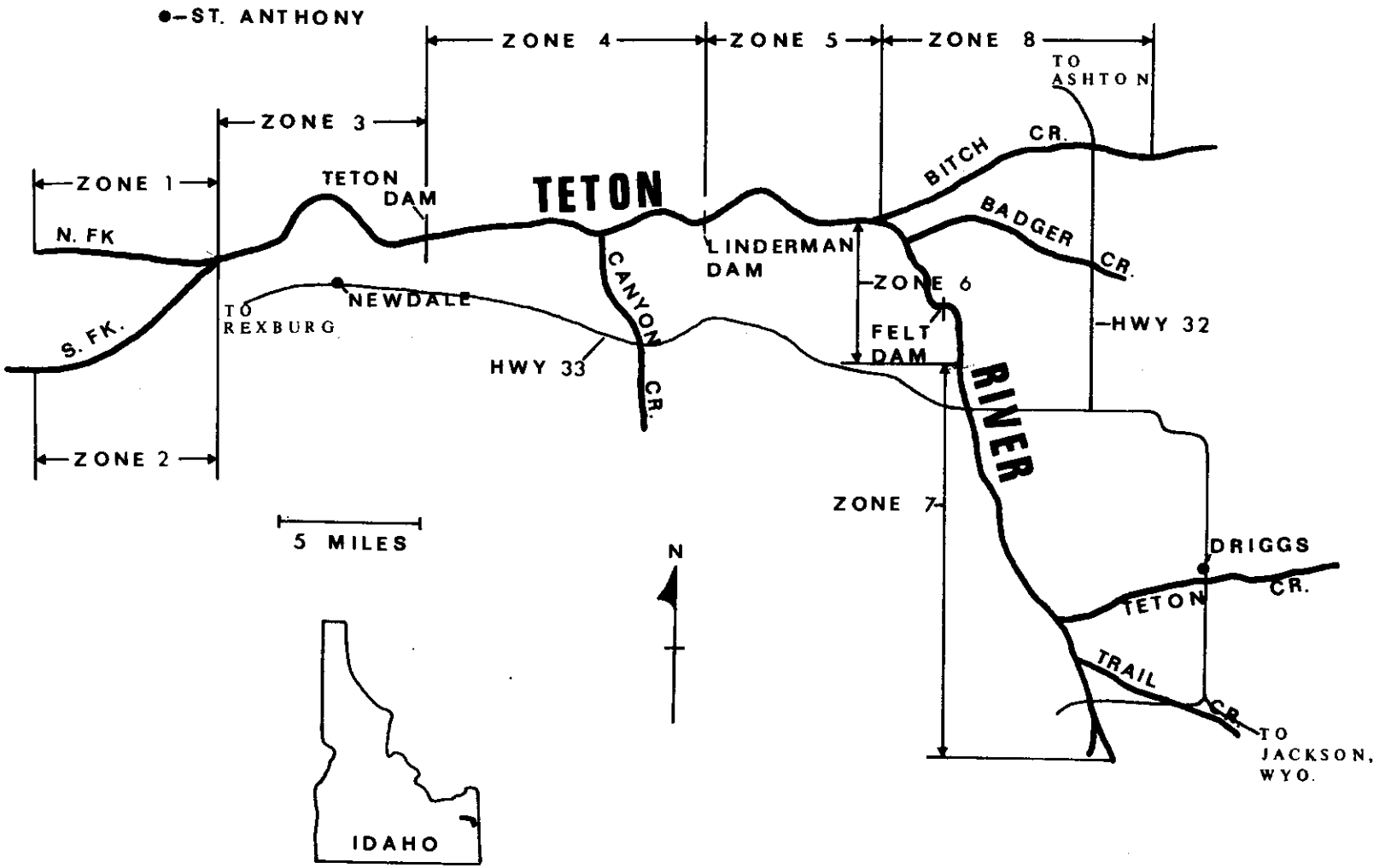



Figure 2. Teton River study area and location of zones.

## METHODS

### Fish Populations

To assess the status of the native fish stocks we collected information on the relative abundance, density, distribution, species composition, incidence of Philonema, movements, size, age at maturity and growth of fish in the Teton River. We used electrofishing, snorkeling and hook-and-line methods to sample the fish populations and jaw tags to monitor movements. We used data from the creel census portion of the study to aid in assessing status of the stocks.

#### Relative Fish Abundance and Density

We calculated relative fish abundance and density in the Teton River and tributaries from information collected from electrofishing sections, snorkel transects and hook-and-line areas.

Electrofishing: In 1974 we established 55 electrofishing sections in the Teton River study area (Table 1). In 1975 we increased the number of sections to 81 and reduced the length of the 1974 sections (Table 2).

Table 1. Number and length (in meters) of electrofishing sections in the Teton River, 1974.

| Location (zone) | Number of sections | Length of section (meters) | | | |
|---|---|---|---|---|---|
| | | Mean | Minimum | Maximum | Total |
| Below Teton Dam (3) | 9 | 911 | 396 | 1,829 | 8,199 |
| Teton Canyon (4 and 5) | 13 | 984 | 762 | 1,829 | 12,798 |
| Teton Valley (6 and 7) | 33 | 626 | 427 | 2,895 | 20,670 |
| Total | 55 | | | | 41,667 |

A section consisted of a length of river along a bank usually with cover for fish (Figure 3). In most sections, cover consisted of a combination of overhanging brush and water depth. We designated section boundaries using recongnizable landmarks such as bridges, islands, river forks, meanders and river miles. We took reference photographs and wrote descriptions of each section to aid us in relocating the sections.

Using a 16-foot wooden drift boat we floated downstream through a section, shocking the area between the boat and shore (usually 10-feet or less). We captured the fish stunned by the electrofishing gear and placed them in live cans (plastic garbage cans) in the boat. We stopped at the end of each section to process the fish captured.

Table 2. Number and length (in meters) of electrofishing sections in the Teton River, 1975.

| Location (zone) | Number of sections | Length of section (meters) | | | |
|---|---|---|---|---|---|
| | | Mean | Minimum | Maximum | Total |
| Below Teton Dam (3) | 22 | 268 | 82 | 968 | 5,891 |
| Teton Canyon (4 and 5) | No sections in 1975 | | | | |
| Teton Valley (6 and 7) | 59 | 217 | 94 | 478 | 12,787 |
| Total | 81 | | | | 18,678 |

We anesthetized the fish with MS-222, recorded the species and total length (TL), tagged and returned all trout to the live can for recovery. Other species were identified, measured, and released directly to the river. We released the trout to the river once they had recovered.

During the two summers (1974 and 1975) we used different kinds of electrofishing gear. In 1974 we used a Georator Corp. generator capable of producing 230 volts direct current (dc). The positive and negative electrodes consisted of 5-foot fiberglass net handles. In 1975 we used a variable voltage pulsator (VVP) which in conjunction with a generator was capable of producing several output voltages and currents. The positive electrode consisted of a 10-foot fiberglass handle with a frame on the end. We used a 20-foot ¼-inch steel cable (wire rope) as the negative electrode and trailed it out the back of the boat (Figure 4).

Using preliminary trials, we selected an output of 325 volts dc to electrofish the sections. This voltage attracted fish to the positive electrode and remained constant while shocking the sections.

We used the number of fish (total and by species) collected from each section to compute relative fish abundance (in percentage). To reduce the sampling error and to facilitate comparisons between years we combined electrofishing sections within the following areas: Below Teton dam, Teton Canyon and Teton Valley (Figure 2). We selected these

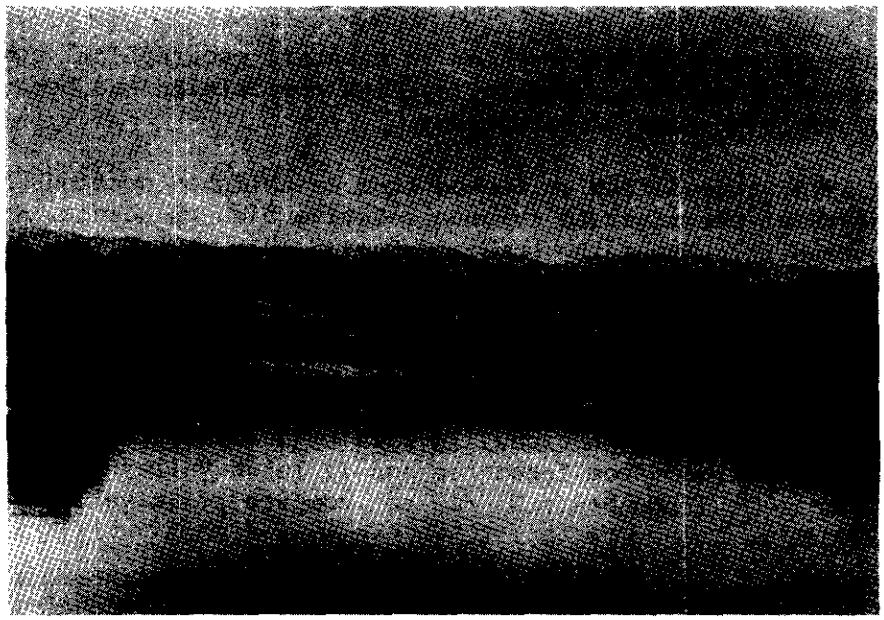


Figure 3. Typical electrofishing section showing the overhanging brush that provides cover for fish.

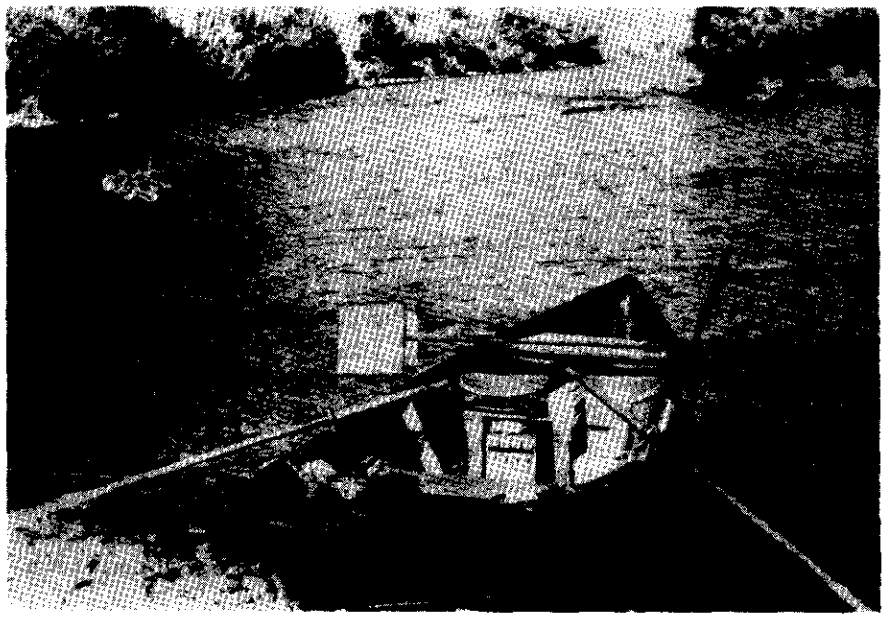


Figure 4. Drift boat and electrofishing gear used to electroshock the Teton River, 1975. The 10-foot positive electrode (net) is on the bow and the 20-foot negative electrode (cable) is attached to the left rear of the boat. The VVP unit is in the center of the boat and the Briggs and Stratton engine and generator are in the stern.

areas because of their differences in habitat, geographical configuration, amount of fishing pressure, species composition and because of their distinct boundary demarcations.

In 1974 we used fish collected from established sections as well as other parts of the river to compute relative fish abundance. Sections were shocked throughout the summer. During 1975 we utilized only information collected from designated sections and on a regular schedule (once a month). We believe the data from the different procedures are comparable.

We calculated relative fish density as fish per 1000 linear feet of stream using the number of fish (total and by species) collected in 1975 and the length of each section. In 1975 we concentrated our effort in the river downstream from Teton Dam and in Teton Valley because Teton Canyon was to be impounded. We did not compute relative fish densities from 1974 data.

Snorkeling: In 1975, we established 26 snorkel transects in Bitch Creek; 6 in lower Bitch Creek, below State Highway-32 and 20 in upper Bitch Creek, upstream from State Highway-32 (Figure 5). The transects were pools or deep runs (Figure 6). We took reference photographs of each transect and recorded its location and description to aid on relocation of the same transect in following years.

To count transects we snorkeled upstream around the perimeter of the pool looking in towards the center. In most cases we could see across the pool and to the other side. For each pool we enumerated the fish and grouped the trout by three size classes (in mm): 0-150, 151-305 and >305.

We used the average number of fish observed (total and by species) per transect to assess relative abundance in Bitch Creek. Because of high flows and turbid waters we floated transects only once during 1975 (in September).

Angling: We captured fish by hook-and-line in areas that were inaccessible to electrofishing gear (Bitch Creek, lower Badger Creek and the Teton River where it flows through the "narrows"). All fish were released at the site of capture.

We used data collected by hook-and-line techniques as another index of abundance. We used the number of fish (total and by species) to compute the percentage of each species captured within an area. We compared data collected by angling with that collected from snorkel transects made in the same area.

## Tagging and Movements

To assess movements of trout, we tagged as many as possible in the Teton River and its tributaries. We used electrofishing and hook-and-line methods to capture fish. We tagged fish with numbered, monel metal mandible tags and recorded tag numbers, total length of fish released,

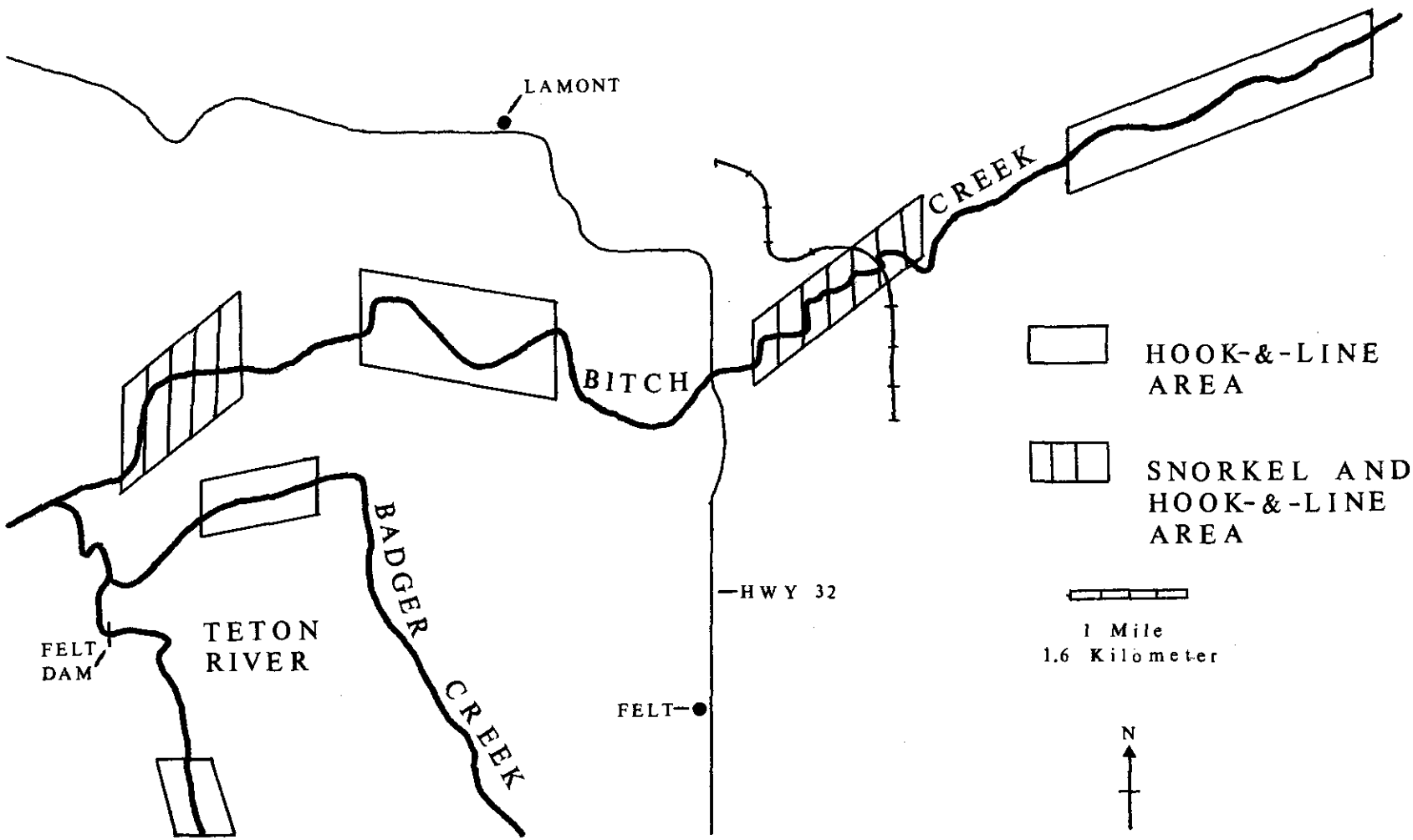



Figure 5. Snorkel transects and hook-and-line areas on the Teton River, Bitch and Badger Creeks.



Figure 6. Typical snorkel transect on lower Bitch Creek.

and dates and locations of all fish released and recaptured. Angler cooperation in the return of information from tagged fish was encouraged by placing posters in the study area requesting the return of tag information.

Of 5,267 trout tagged, we obtained 426 usable returns during a two year period. We divided returns into those fish that were recaptured the same year as tagged and those that were recaptured the following year. We considered trout recovered within one mile of their respective release sites as not having moved.

## Age and Growth

We collected 320 scale samples from cutthroat trout in the Teton River to determine age and growth of fish. We took the scales from the left side of the fish above the lateral line and below the insertion of the adipose fin. We did not collect a sufficient number of scales from cutthroat trout in tributary streams to determine age and growth of those fish.

We prepared scales using methods described by Greenback and O'Donnel (1950). A maximum of six scales were mounted on a 1 x 3-inch (0.02-inch thick) cellulose acetate slide. We placed the slides and scales into a heat press for 75 seconds at 250°F. and under 10,000 pounds of pressure.

We inspected the scale impressions and on the basis of uniformity and shape selected a representative scale and marked it. The representative scale for each trout was used in the analysis of age, growth and body-scale relationships. Using an 81-power scale projector we determined the age of each fish from its scale.

We utilized a computer program to analyze the data collected from scales. We computed the regression equation (linear, second degree or third degree polynomial) that fit the body-scale relationship best. Using the best formula or one selected by us, the program back-calculated lengths, averages and standard deviations for each age class and an analysis of variance for each group of fish.

A third degree polynomial fit the body-scale relationship of cutthroat trout from the Teton River best, but we selected the linear regression equation (Figure 7) because there was little difference in $r^2$ values between linear, second, and third degree regression equations.

## Maturity

We catergorized cutthroat trout mature or immature by gonadal inspection. During the latter part of August and September, 1975 we collected 233 cutthroat trout. These fish were frozen or preserved in formaldehyde and transported to Moscow, Idaho where we examined them for sex and maturity, Philonema, sub-species identification and additional scale samples. We inspected the size and state of gonads from 105 males and 81 females.

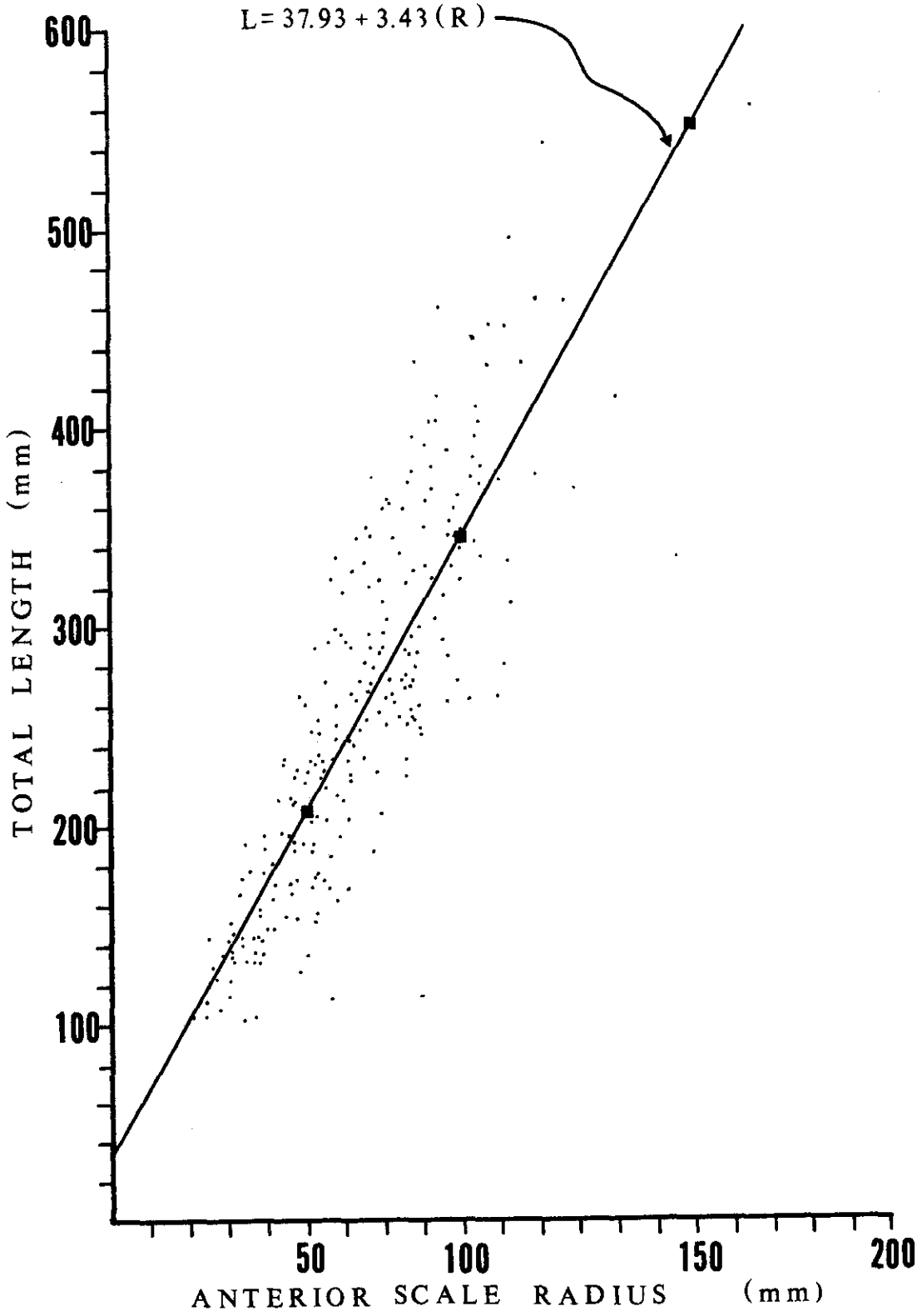



Figure 7. Body-scale relationship of cutthroat trout collected from the Teton River, 1974 and 1975. L = 37.93176 + 3.432468 (R).

## Age Structure and Mortality

We used length-frequency data collected from Teton River cutthroat trout in 1974 and 1975 to estimate mortality rates (Figures 8 and 9). We obtained age-frequencies from length frequencies by using age-growth data to compute the age at capture from the length of each fish. Because distributions of lengths within age classes overlapped with those of adjacent age classes, we calculated the standard deviation for each mean length of each age and used only those lengths in mutually exclusive standard deviations, and in non-coincident parts of overlapping standard deviations, in the conversion process (Table 3). Utilizing the computed age frequencies, we calculated instantaneous mortality rates (z) according to Rounsefell and Everhardt (1953), and found corresponding annual mortality (a) and survival rates (s) in Ricker's (1975) table of exponential functions and derivatives (Table 4).

Table 3. Total lengths of cutthroat trout used to convert length-frequencies to age-frequencies in three areas of the Teton River (below Teton Dam, Teton Canyon and Teton Valley), 1974-1975.

| Area | Age class | Sample size | Mean total length at capture (mm) | Standard deviations | Conversion limits (TL in mm) |
|---|---|---|---|---|---|
| Below Teton Dam | I | 13 | 160 | 26.952 | 130-149 |
| | II | 26 | 192 | 37.611 | 190-219 |
| | III | 19 | 249 | 27.205 | 230-289 |
| | IV | 11 | 349 | 45.846 | 290-409 |
| | V | 4 | 448 | 16.540 | 410+ |
| Teton Canyon | I | 13 | 149 | 29.724 | 120-159 |
| | II | 16 | 200 | 35.979 | 180-239 |
| | III | 45 | 278 | 30.604 | 240-289 |
| | IV | 16 | 330 | 37.223 | 310-349 |
| | V | 7 | 382 | 31.035 | 370-429 |
| | VI | 4 | 488 | 40.719 | 430+ |
| Teton Valley | I | 16 | 128 | 12.829 | 110-139 |
| | II | 36 | 180 | 28.778 | 140-209 |
| | III | 38 | 251 | 39.710 | 210-279 |
| | IV | 40 | 322 | 42.083 | 290-369 |
| | V | 10 | 399 | 21.797 | 370+ |

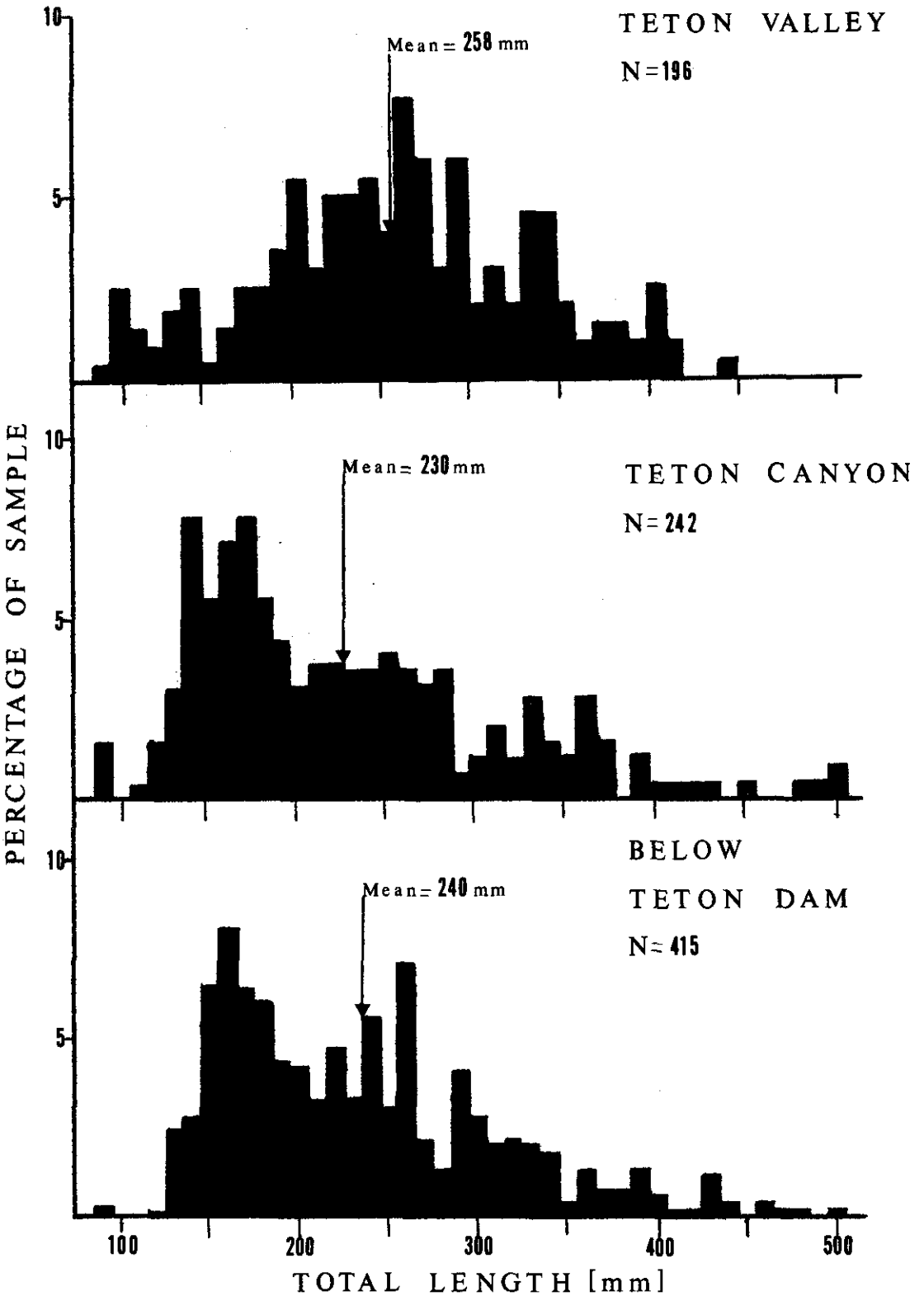



Figure 8. Length-frequencies of cutthroat trout in three areas of the Teton River, June - September, 1974.

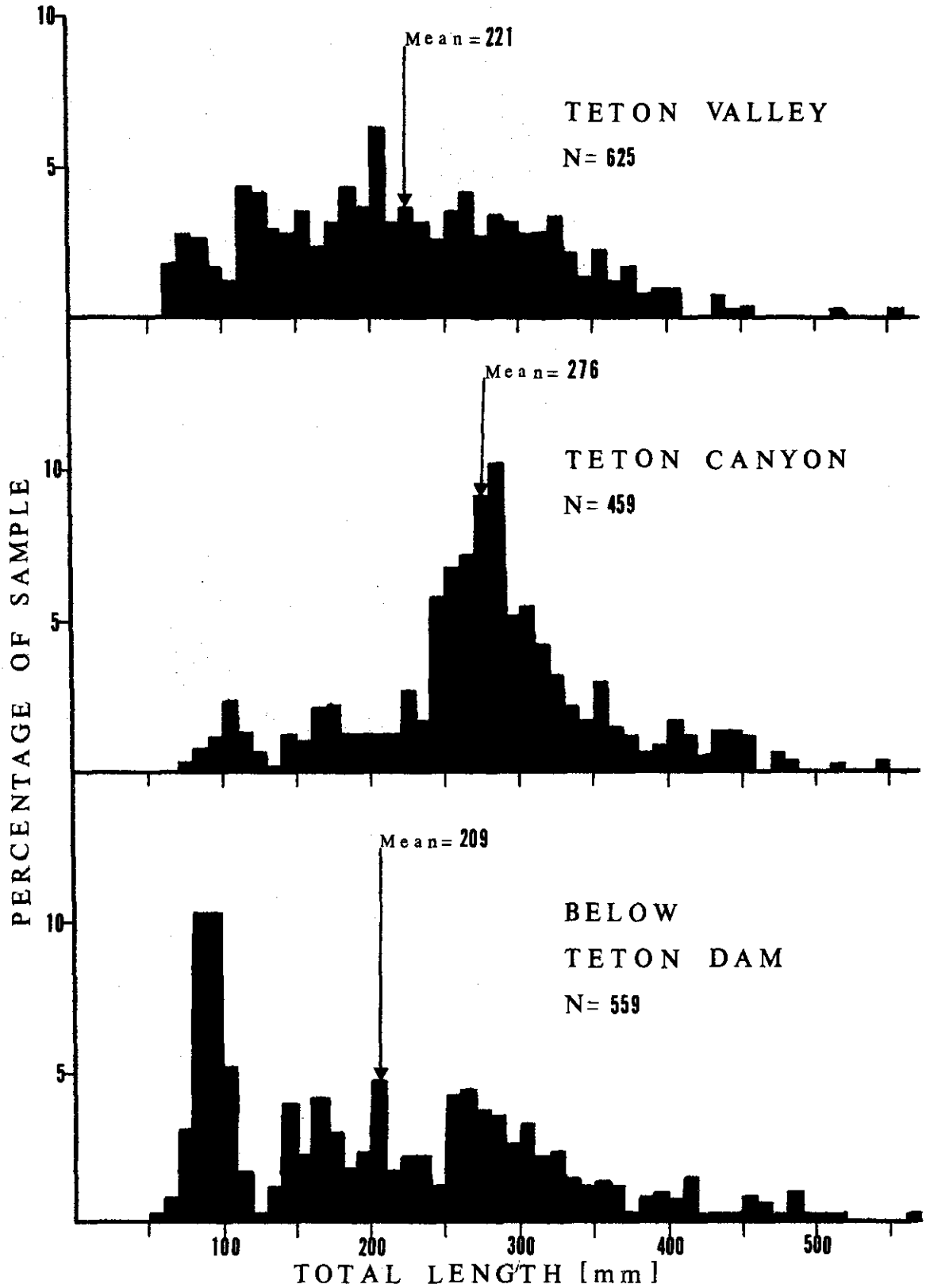



Figure 9. Length-frequencies of cutthroat trout in three areas of the Teton River, June - September, 1975.

Table 4. Calculation of the instantaneous mortality rates (Z), annual survival rate (S), and annual mortality rate (A) from an age-frequency distribution. The example is for cutthroat trout from the Teton River in Teton Valley.

| (A) Age (y) | (B) Frequency (f) | (C) Log of age frequency (log of f) | (D)[1] Log of f(y) minus Log of f(y-1) | (E)[2] Column D x sq rt of smallest f | Z[3] | S[4] | A[4] |
|---|---|---|---|---|---|---|---|
| I | 9 | | | | | | |
| II | 47 | | | | | | |
| III | 76 | 1.8808 | | | | | |
| IV | 54 | 1.7324 | 0.1484 | 1.0905 | 2.5115 | | |
| V | 17 | 1.2304 | 0.5020 | 2.0698 | 4.7667 | | |
| | | | | | .63 | .53 | .47 |

[1] Negative sign dropped after subtraction.
[2] Weighting factors.
[3] Individual weighted (Z)'s = 2.303 times column E. Mean weighted (Z) = sum of individual weighted (Z)'s divided by sum of weighting factors.
[4] From Ricker's (1975) table of exponential functions and derivatives.

We used a t-test to check for differences in scale radius measurements (mm) at each annulus for cutthroat collected downstream from Teton Dam, in Teton Canyon and Teton Valley.

The Bureau of Reclamation operated three 7-day thermographs in the Teton River Drainage. Their locations were: 1) in the Teton River at the Highway-33 Bridge (Teton Valley), 2) in the Teton River one mile below Teton Dam and 3) in Bitch Creek near the Highway-32 Bridge.

We compiled data from the thermograph charts recorded at these stations for the years 1961, 1974 and 1975. We calculated weekly mean minimum and maximum water temperatures for the three locations for the periods May 1 to September 30, and daily minimums and maximums for the same period below Teton Dam.

## Incidence of Philonema

Chacho (1975) identified the parasite, Philonema agubernaculum, from fish collected from the upper Snake and Teton River drainages. Philonema agubernaculum was described by Simon and Simon (1936) as a nematode parasite in the coelom and viscera of mountain whitefish, brook trout and rainbow trout.

Since 1964, Philonema has been a problem in the upper Snake River drainage, aesthetically to the fisherman and physically to the fish (Jeppson, 1964 and Chacko, 1975). We assessed the incidence of infection of Philonema during the pre-impoundment phase as a basis for comparison after formation of Teton Reservoir.

We assessed the incidence of Philonema from fish killed accidently throughout the summer (1975) and purposely sacrificed during September, 1975. The fish were frozen and transported to Moscow, Idaho for examination. We examined each fish carefully for the adult and cyst stage of the parasite and recorded the incidence of infection with regards to species and sex, of fish and location of capture.

We examined 347 fish: 126 cutthroat trout, 33 wild rainbow trout, 32 brook trout, 9 cutthroat x rainbow hybrid, 98 whitefish and 6 suckers. Forty-three fish had deteriorated or were damaged to such an extent that we did not include them in the analysis.

### Downstream Migrant Trap

The abundant aquatic vegetation in the upper Teton River provides or could provide cover and rearing habitat for trout fry. A large downstream migration of fingerlings in the fall from these rearing areas to the canyon area could increase the fish populations.

To determine if trout fingerlings were migrating downstream, we installed a downstream migrant trap in the Teton River one mile below the Highway-33 Bridge (Teton Valley). We installed the trap on August 14, 1975 and operated it through October 31, 1975 (78 days). The trap consisted of 2-twenty foot portable louver panels, 2-forty foot (¼-inch hardware cloth) leads, plywood floor panels and a box trap. The trap was placed in about 2 feet of water and in the center of the river. We sampled 6 feet (5%) of the river width and neither of the wire leads extended to the bank.

## Evaluation of Fishery

### Number and Distribution of Anglers

We censused the fishery 105 days during 1974 and 1975: 8 June through 20 September in 1974 and 24 May through 5 September in 1975. The earlier time period in 1975 included the opening weekend of fishing season. We divided each summer period into five 21-day intervals (Table 5).

We made aerial flights to count anglers (Reid et.al., 1973) because of the inaccessibility by car of much of the study area. To best use our flight time and apply statistical methods, we used a cluster sampling design outlined by Cochran (1953). We used the half-day as a

cluster. Within each cluster we made one round trip flight which consisted of two separate counts and required four hours to complete. We began each flight at Driggs, Idaho and made one count flying downstream to St. Anthony, Idaho. After a two hour layover in St. Anthony, we made a second count flying upstream and terminated the flight in Driggs. Morning cluster flights began at 0630 hours during intervals I through IV and at 0700 hours during interval V. Afternoon cluster flights began at 1500 hours. During each interval we made 12 flights, 6 on weekdays and 6 on weekend days and holidays. We flew half the weekday and weekend day flights in the morning and half in the afternoon.

Table 5. Intervals and dates of the Teton River creel census in 1974 and 1975.

| 1974 | | 1975 | |
|---|---|---|---|
| Interval | Dates | Interval | Dates |
| I | 8 June - 28 June | I | 24 May - 13 June |
| II | 29 June - 19 July | II | 14 June - 4 July |
| III | 20 July - 9 August | III | 5 July - 25 July |
| IV | 10 August - 30 August | IV | 26 July - 15 August |
| V | 31 August - 20 September | V | 16 August - 5 September |

We selected dates for the morning and afternoon flights at random. If we had to cancel a flight due to high winds or thunderstorms, we scheduled a make-up on the next available sampling date for the type of sample count cancelled. For example, we would make up a cancelled weekday morning flight on the next available weekday morning. For statistical analysis, we used an average of the previous counts within an interval as a substitute for flights we had to cancel and could not make up.

During census flights we counted only anglers observed in the process of fishing. We estimated the number of hours fished by anglers with the following equation:

$$H = \frac{\Sigma X}{C} dD$$

where H = estimated hours fished during each interval, in a given zone, on weekdays or weekend days,

X = number of anglers counted during each count, in each interval, in each zone, on weekdays or weekend days,

C = number of counts of anglers made in each interval, in a given zone, on weekdays or weekend days.

d = number of daylight hours during each day, and

D = number of weekdays or weekend days in each interval.

We used 14.5 daylight hours during intervals I through IV and 14 daylight hours during interval V for calculations in the formula above. During a 21 day period, a 15-20 minute time change in daylight occurs. Due to the occurrence of the summer solstice during late June, the mean duration of daylight hours remains approximately 14.5 during intervals I through IV. We therefore only corrected the daylight hour term for interval V.

We used the following formulas to determine confidence intervals for estimated angler hours:

where i = half-day,

j = count,

k = number of intervals,

a = morning cluster,

b = afternoon cluster.

M = number of clusters in a population (half-days in season)[1/],

m = number of clusters in a stratification within a population[1/],

n = number of clusters sampled (half-days sampled)[1/],

$\frac{m}{M}$ = weight factor[1/],

$\frac{m-n}{m}$ = finite population correction factor[1/], and

n-2 = d.f.

Mean of morning clusters = $\bar{y}_a = \sum^{n} \frac{yi.}{n}$,

mean of afternoon clusters = $\bar{y}_b = \sum^{n} \frac{yi.}{n}$,

variance of morning clusters = $s_a^2 = \sum^{n} \frac{(yi. - y_a)^2}{n-1}$,

[1/] Values may change depending on the stratification under consideration.

Variance of afternoon clusters = $s_b^2 = \sum^{n} \frac{(yi. - y_b)^2}{n-1}$,

variance of morning cluster mean = $s_{y_a}^2 = \frac{m-n}{m} \frac{s_a^2}{n}$, and

variance of afternoon cluster mean = $s_{y_b}^2 = \frac{m-n}{m} \frac{s_b^2}{n}$.

Mean of day = $\bar{y}_{d_1} = \frac{y_a + y_b}{2}$, and

variance of day mean = $s_{\bar{d}}^2 = \frac{s_{\bar{y}_a}^2 + s_{\bar{y}_b}^2}{4}$.

Mean day for the interval = $\bar{y}_{int.} = \sum^{2} [(\frac{m}{M}) \bar{y}_d]$,

variance of the interval mean = $s_{\bar{y}_{int.}}^2 = \sum^{2} [(\frac{m}{M})^2 s_{\bar{y}_d}^2]$, and

confidence interval for interval = C.I. = $\bar{y}_{int.} \pm t.95\ (n-2) \sqrt{s_{\bar{y}_{int.}}^2}$.

Mean of intervals for season = $\bar{y}_{season} = \sum^{5} [(\frac{m}{M}) \bar{y}_{int.}]$,

variance of the season mean = $s_{\bar{y}_{season}}^2 = \sum^{5} [(\frac{m}{M})^2 (\frac{m-n}{m}) s_{\bar{y}_{int.}}^2]$ and

confidence interval for season = $\bar{y}_{season} \pm t.95\ [k(n-20)] \sqrt{s_{\bar{y}_{season}}^2}$.

Total estimated angler hours for the summer were obtained by summation of season means, variances and degrees of freedom over each zone. We calculated the confidence limits for total angler hours using the values from summation and the last formula listed above.

In order to combine morning and afternoon cluster data, we assumed that the number of anglers fishing during sampling times were independent. If the number of anglers counted in the morning versus the afternoon cluster samples were not independent, the equation

$$s^2_{\bar{d}} = \frac{s^2_{\bar{y}_a} + s^2_{\bar{y}_b}}{4}$$

would require a covariance term. Without the covariance term we would underestimate the day variance and thereby underestimate the confidence limits applied to the estimated effort. From our data we cannot measure the covariance and must assume it is negligible. The same assumptions apply when combining weekday and weekend day variances. The number of anglers fishing on Friday has some effect on the number fishing on the weekend. By assuming the covariance term is negligible we again underestimate the variance and confidence limits for the interval.

Catch and Catch Rates

We conducted a creel census on the Teton River during 1974 and 1975 to collect data on anglers' catch rates. We checked species composition of all game fish kept by anglers contacted. We asked anglers to estimate the number of each species of fish they released. We rounded the time anglers fished to the nearest one half hour (i.e., an angler having fished 50 minutes when contacted was recorded as fishing one hour). We calculated catch rate as fish per hour; total fish caught divided by total hours fished, for each zone and interval during 1974 and 1975.

Due to the small number of anglers contacted in all study zones except the upper Teton Valley (Zone 7), we combined data for all intervals during each summer to provide more valid computations of catch rate and estimates of catch. We formed composite zones 1-2-3 and 4-5-6 from the respective individual zones for the same reason.

We estimated total catch by multiplying the mean catch rate of a given zone by the estimated hours fished in that zone. We used the following formulas to determine the variance and confidence limits of the estimated catch:

Estimated catch for each stratum =

$$\hat{C}_L = (\bar{y}_L)\hat{X}_L$$

and variance of catch =

$$s^2_{\hat{C}_L} = \text{var. } (\bar{y}_L \hat{X}_L).$$

where L = stratum,

$y_i$ = catch rate for each angler,

$\bar{y}$ = mean catch rate,

N = total number of anglers in a stratum (estimated from flight census)[1/],

n = number of anglers interviewed in a stratum[1/],

$\frac{N-n}{N}$ = finite population correction factor[1/],

$W_L$ = weighting factor for a stratum (equivalent to weighting factor used in season effort confidence limits),

$\hat{X}$ = estimated hours fished (effort), and

$\hat{C}$ = estimated catch.

$$\text{Mean catch rate} = \bar{y}_L = \frac{\sum_{i=1}^{n} y_i}{n_L},$$

$$\text{variance of catch rate} = s^2_{y_L} = \frac{\sum_{i=1}^{n} (y_i - \bar{y}_L)^2}{n=1},$$

$$\text{variance of mean catch rate} = s^2_{\bar{y}_L} = \frac{s^2_{y_L}}{n_L} \frac{(N-n)}{N}, \text{ and}$$

$$\text{confidence interval} = \bar{y}_L \pm t_{.95(n_L-1)} \sqrt{s^2_{\bar{y}_L}}.$$

The variance of a product of two independent variables equals:

$$\sigma^2_{xy} = X^2\sigma_y{}^2 + y^2\sigma_x{}^2 + 1/N\ \Sigma(X-\bar{X})^2\ (y-\bar{y})^2 \text{ (Li, 1955).}$$

If we assume X and $\bar{y}$ are independent, the covariance term,

$$1/N\Sigma\ (X-\bar{X})^2(y-\bar{y})^2,$$

is negligible and we can disregard it. Therefore,

$$s^2_{\hat{C}_L} = (\hat{X}^2_L)s^2_{\bar{y}_L} + (\bar{y}^2_L)s^2_{\hat{X}_L},$$

[1/] Values may change depending on the stratification under consideration.

and confidence interval = $C_L \pm t_{.95(\alpha)} \sqrt{s^2_{C_L}}$.

Total catch for the season =

$$\sum_{i=1}^{L} (W_L)\hat{C}_L = \hat{C}_{season},$$

variance of the season total catch =

$$S^2_C = \sum_{i=1}^{L} (W_L) S^2_{\hat{C}_L},$$

and confidence interval for the total catch =

$$\hat{C}_{season} \pm t_{.95(\alpha)} \sqrt{s^2_{C_{season}}}.$$

The confidence interval for the total estimated catch for the summer was obtained by summation over each zone, of season totals, variances and degrees of freedom.

In deriving the equations above, we assumed the variables effort and catch per unit were independent. Only under this assumption can we obtain the variance of a product of two variables as described by Li (1955). If some dependence occurs between the variables, deletion of the covariance term will cause underestimation of variance and confidence limits.

We used the tabular t with infinite degrees of freedom because of the difficulty in determining degrees of freedom for a product of two variables. We had large numbers of observations for catch per unit effort, thus using tabular t with infinite degrees of freedom was a close approximation and eliminated the need to calculate the actual degrees of freedom.

## Size of Fish in Catch

We measured all trout kept by anglers we contacted. We recorded trout lengths in 10 mm groupings for each species. We did not ask anglers to estimate the lengths of fish they had released. We combined length-frequency information from 1974 and 1975 for the major river zones.

## Angling Gear

We recorded the type of terminal gear used by each angler. We used three categories: bait, lures and artificial flies. The bait category

included worms, salmon eggs, corn, insects and minnows. We classified anglers using a worm with a spinner as using bait. If anglers used two or more types of terminal gear during one outing, we recorded the gear used longest.

## Age Structure and Mortality of Harvested Cutthroat Trout

We calculated mortality rates using length frequencies from the anglers catch below Teton Dam (Zone 3), in Teton Canyon (Zones 4 and 5) and in the upper Teton Valley (Zone 7). We used the same non-overlapping distributions of lengths within age classes presented in Figures 8 and 9 and in Table 3. We calculated instantaneous mortality rates according to Rounsefell and Everhart (1953), and found corresponding annual mortality (a) and survival rates (s) in Richer's (1975) table of exponential functions and derivatives (Tables 6 and 7).

## Angler Interviews

We obtained angler attitudes regarding the Teton River fishery and Teton Dam and Reservoir by asking anglers preselected questions (Figure 10). The questionnaire included sociological questions on occupations, age, sex and residence to describe the people using the Teton River fishery. To evaluate anglers attitudes regarding the fishery, we included questions on the frequency and area of angler use, how anglers rated the Teton River for fishing and the species they preferred to catch. To evaluate the attitudes of anglers regarding the Teton Dam and its effect on the fishery we asked anglers what effect the dam and reservoir would have of the fishery, and if anglers planned to utilize the reservoir when the dam was completed. We also included questions on why anglers came to the Teton Valley, other outdoor activities anglers participated in, number of people in fishing party and cost related to fishing per angler.

We interviewed all anglers 15 years and older in each party. People younger than 15 often had not formulated opinions regarding the Teton Dam and its possible effects on the Teton River fishery, or did not take the questionnaire seriously. Anglers who had not fished the Teton River the previous year (Question 5) were not asked questions 6 through 8 (Figure 10). We asked only anglers aware of the Teton Dam (Question 10) questions 11 through 16. Those anglers contacted more than once during 1974 and 1975 were interviewed only once. If an angler gave more than one response to a question, we marked all responses; marking the first one as the anglers preference. We recorded each angler's response to questions separately for summarization by different groups of anglers.

We combined the responses of all anglers interviewed during 1974 and 1975. We totaled responses by Idaho residents and non-residents to evaluate differences in attitudes of these two groups. We also compared the responses of "Teton Canyon users" and "Teton Canyon non-users", to

see if use of the canyon affected their attitudes. We defined the "Teton Canyon users" as: 1) those anglers fishing within the Teton Canyon area (zones 4, 5 and 6) when interviewed, or 2) those anglers who said thay had fished in the Teton Canyon area within the last year (Question 7). "Teton Canyon non-users" were all other anglers from the entire sample. We compared the results of canyon users and canyon non-users with each other and the entire sample for non-sociological questions.

Table 6. Calculation of instantaneous mortality rates (Z) from age-frequency distribution of cutthroat trout caught from three sections of the Teton River in 1974.

| Zone | Age (y) | Age frequency (f) | Log of age frequency (log f) | Log of (f) minus Log f(y-1) times smallest f[1/] | Times 2.303 (D) |
|---|---|---|---|---|---|
| Teton Forks | I | 0 | | | |
| upstream to | II | 15 | | | |
| to Teton | III | 29 | 1.4624 | | |
| Dam (3) | IV | 13 | 1.1139 | .3485(3.6056) | 2.8938 |
| | V | 1 | 0.0000 | 1.1139(1.00) | 2.5653 |
| | | | Weighted $Z = \Sigma D \div \Sigma\sqrt{f_D} = 1.18$ | | |
| Teton Dam | I | 0 | | | |
| upstream to | II | 12 | | | |
| to Bitch | III | 15 | 1.1761 | | |
| Creek | IV | 5 | 0.6990 | .4771(2.2361) | 2.4569 |
| (4 and 5) | V | 4 | 0.6021 | .0969(2.00) | .4463 |
| | VI | 3 | 0.4771 | .1250(1.7321) | .4986 |
| | | | Weighted $Z = \Sigma D \div \Sigma\sqrt{f_D} = .57$ | | |
| Upper Teton | I | 0 | | | |
| Valley | II | 24 | | | |
| (7) | III | 140 | 2.1461 | | |
| | IV | 54 | 1.7324 | .4137(7.3485) | 7.0013 |
| | V | 3 | 0.4771 | 1.2553(1.7321) | 5.0074 |
| | | | Weighted $Z = \Sigma D \div \Sigma\sqrt{f_D} = 1.32$ | | |

[1/] Negative sign dropped after subtraction.

Table 7. Calculation of instantaneous mortality rates (Z) from age-frequency distribution of cutthroat trout caught from three sections of the Teton River in 1975.

| Zone | Age (y) | Age frequency (f) | Log of age frequency (log f) | Log of (f) minus Log f(y-1) times smallest f[1/] | Times 2.303 (D) |
|---|---|---|---|---|---|
| Teton Forks | I | 0 | | | |
| upstream to | II | 6 | | | |
| Teton Dam | III | 28 | 1.4472 | | |
| (3) | IV | 11 | 1.0414 | .4058(3.3166) | 3.0996 |
| | V | 2 | 0.3010 | .7404(1.4142) | 2.4114 |
| | | Weighted $Z = \Sigma D \div \Sigma\sqrt{f_D} = 1.16$ | | | |
| Teton Dam | I | 0 | | | |
| upstream to | II | 21 | | | |
| Bitch Creek | III | 54 | 1.7324 | | |
| (4 and 5) | IV | 21 | 1.3222 | .4102(4.5826) | 4.3291 |
| | V | 8 | 0.9031 | .4191(2.8284) | 2.7299 |
| | VI | 3 | 0.4771 | .4260(1.7321) | 1.6993 |
| | | Weighted $Z = \Sigma D \div \Sigma\sqrt{f_D} = .96$ | | | |
| Upper Teton | I | 0 | | | |
| Valley (7) | II | 21 | | | |
| | III | 113 | 2.0531 | | |
| | IV | 66 | 1.8195 | .2336(8.1240) | 4.3706 |
| | V | 5 | 0.6990 | 1.1205(2.2361) | 5.7703 |
| | | Weighted $Z = \Sigma D \div \Sigma\sqrt{f_D} = .96$ | | | |

[1/] Negative sign dropped after subtraction.

1. What is your occupation? _____

2. Estimated age? _____

3. Sex? _____

4. Do you have any preference as to fishing streams versus lakes or reservoirs?
   A. ( ) streams
   B. ( ) lakes or reservoirs
   C. ( ) no preference

5. How many days did you fish the Teton River last year? _____

6. What parts of the river did you fish most often last year?
   A. ( ) valley areas
   B. ( ) gorge areas
   C. ( ) tributaries

7. If you fished in the gorge last year, did you walk or float?
   A. ( ) walked
   B. ( ) floated

8. How would you rate the Teton River for fishing based on your past few years experience?
   A. ( ) good
   B. ( ) fair
   C. ( ) poor

9. There are rainbow, cutthroat, brook trout and whitefish in the Teton River Drainage, which of these species do you prefer to catch when fishing the Teton River?
   A. ( ) cutthroat trout
   B. ( ) rainbow trout
   C. ( ) brook trout
   D. ( ) whitefish
   E. ( ) no preference

10. What are your views regarding construction of the Teton Dam and formation of a reservoir in the Teton Canyon?
   A. ( ) in favor
   B. ( ) opposed
   C. ( ) no opinion
   D. ( ) not aware of construction

11. If in favor or Teton Dam and Reservoir, why?
   _____

12. If opposed to Teton Dam and Reservoir, why?
   _____

13. Is flooding of the Teton River canyon, upstream from the dam, of any importance to you?
   A. ( ) yes
   B. ( ) no
   If yes, why? _____

14. Do you plan to fish the reservoir when the dam is completed?
   A. ( ) yes
   B. ( ) no

15. What effect do you think the Teton Dam and Reservoir will have on the overall fishing of the Teton River?
   A. ( ) beneficial
   B. ( ) adverse
   C. ( ) no effect
   D. ( ) no opinion

16. Is fishing the main purpose of your trip to the Teton Valley?
   A. ( ) yes
   B. ( ) no

17. What other outdoor activities besides fishing have you participated in today?
   _____

18. How many people are there in your fishing party?
   _____

19. What would you estimate your cost per person in regards to fishing for one day? _____

Figure 10. Teton River questionnaire on angler preference.

## RESULTS

### Fish Population

#### Relative Fish Abundance and Density

We collected ten species of fish from the Teton River and its tributaries. In decreasing order of abundance they were: mountain whitefish, Prosopium williamsoni (Girard); eastern brook trout, Salvelinus fontinalis (Mitchill); cutthroat trout, Salmo clarki (Richardson); rainbow trout, Salmo gairdneri (Richardson); and the Utah sucker, Catostomus ardens (Jorden and Gilbert) and Colorado sucker, Catostomus discobolus (Cope) combined. Redside shiners, Richardsonius balteatus (Richardson); longnose dace, Rhinichthys cataractae (Valenciennes); mottled sculpin, Cottus bairdi; and the Piute sculpin, Cottus beldingi were present in the study area but we did not assess their abundance.

Electrofishing: Relative fish abundance varied between monthly samples (Figure 11). The August-September samples probably provide the best estimate of species composition during the summer because flows were less than or equal to July and the electrofishing was most effective then.

We found that the relative abundance of the fish species varied between areas of the Teton River (Figure 12). In 1974, Whitefish comprised 58% of the fish collected in Teton Valley, 59% in Teton Canyon and 53% below Teton Dam. In 1975, whitefish comprised 47% of the fish collected in Teton Valley and 41% below Teton Dam.

The relative abundance of cutthroat trout increased from Teton Valley downstream to below Teton Dam. During 1974 we found cutthroat trout comprised 6% of the fish collected in Teton Valley, 27% in Teton Canyon and 33% below Teton Dam. In 1975 cutthroat trout comprised 9% of the fish in Teton Valley and 37% below Teton Dam (Figure 12).

The relative abundance of brook trout decreased from Teton Valley downstream to below Teton Dam. During 1974 brook trout comprised 27% of the fish collected in Teton Valley, 2% in Teton Canyon and less than 1% (1 fish) below Teton Dam. In 1975 brook trout comprised 30% of the fish in Teton Valley and less than 1.0% (2 fish) below Teton Dam (Figure 12).

During 1974, we found wild rainbow trout comprised 6% of the fish collected in Teton Valley, 11% in Teton Canyon and 4% below Teton Dam. In 1975 rainbow trout comprised 6% of the fish in Teton Valley and 5% below Teton Dam (Figure 12). We did not include hatchery rainbow trout in these percentages because their abundance depended on the number released and proximity of the release to our transects. In 1974, rainbow trout of hatchery origin comprised 3% of the fish captured from electrofishing sections in Teton Valley. In 1975, hatchery rainbow trout comprised 7% of the fish in Teton Valley and 7% below Teton Dam. In the area below the dam we collected most of the hatchery fish within one mile of the dam.

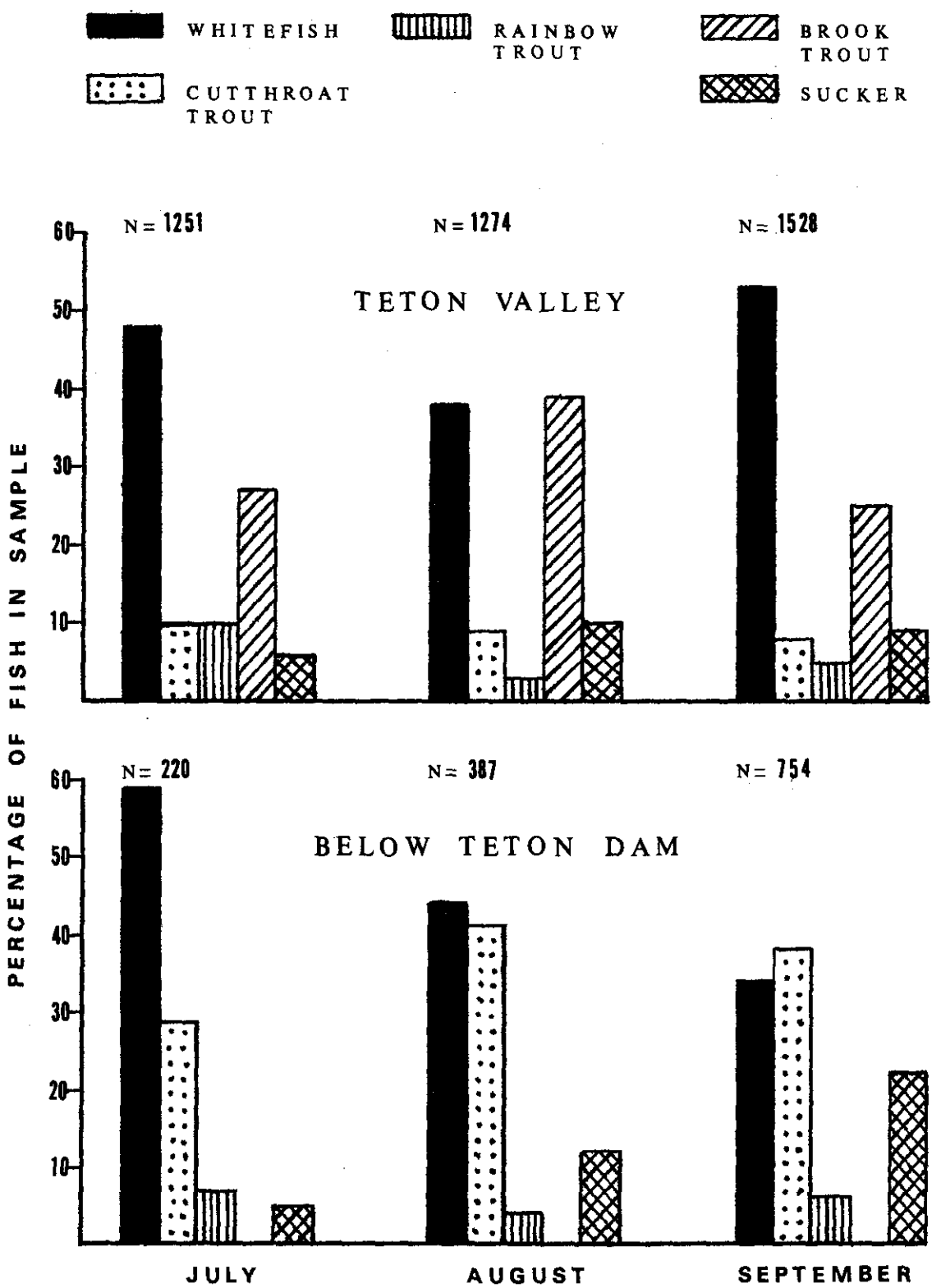



Figure 11. Relative abundance of fish collected from the Teton River in Teton Valley and below Teton Dam by electrofishing, July, August, and September, 1975.

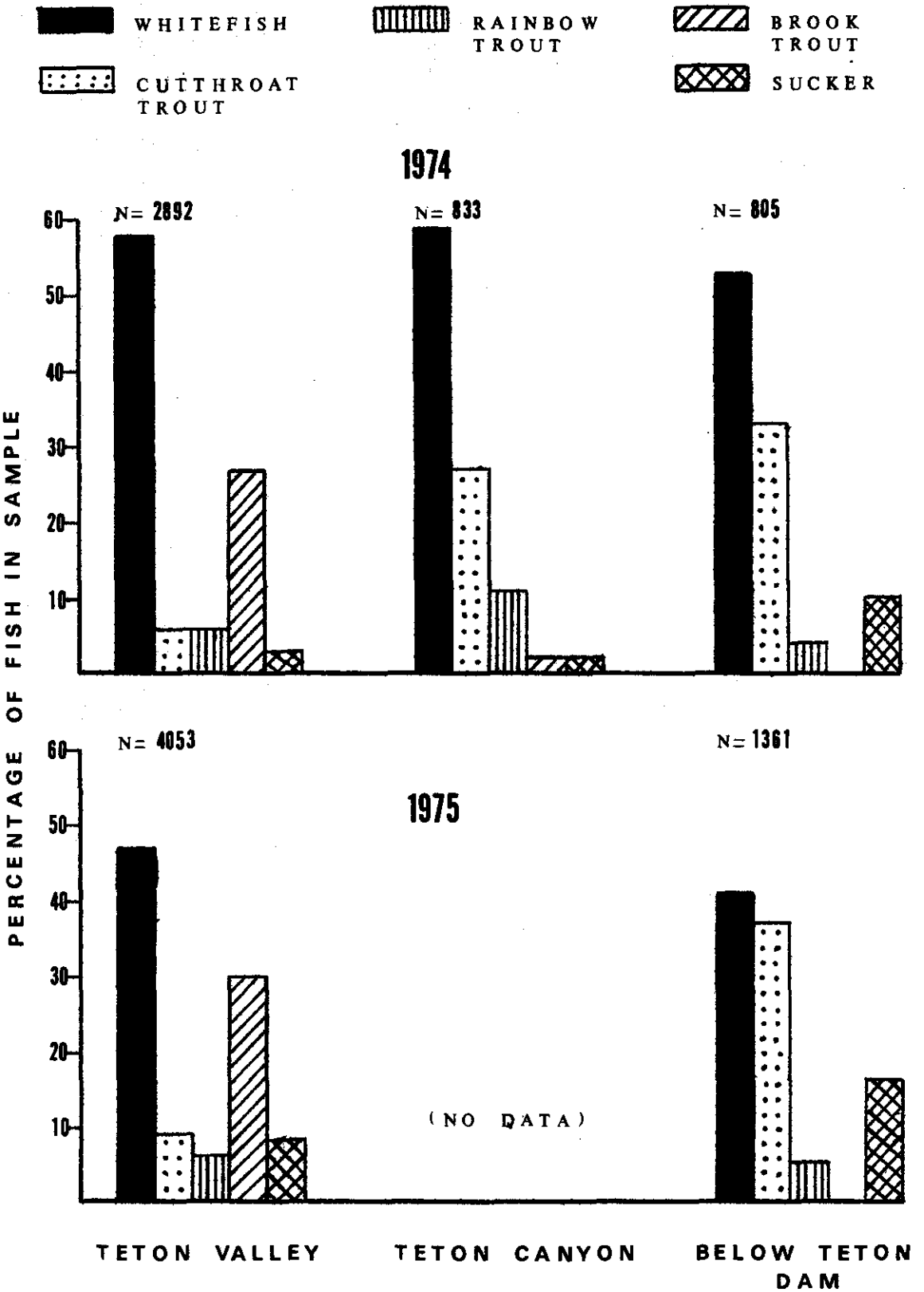



Figure 12. Relative abundance of fish collected from three areas of the Teton River, June - September, 1974 and 1975.

During 1974, suckers comprised 3% of the fish in Teton Valley, 2% in Teton Canyon and 10% below Teton Dam. In 1975 suckers comprised 8% of the fish in Teton Valley and 16% below Teton Dam (Figure 12). We collected only one species of sucker in Teton Valley, the Colorado sucker, while both the Colorado and Utah suckers were collected in Teton Canyon and below Teton Dam.

We calculated relative fish densities (fish per 1000 linear feet) for two areas of the Teton River. We used only the 1975 data to calculate these values. In Teton Valley we found densities of 9.5 whitefish and 9.1 trout per 1000 lineal feet, while below Teton Dam we found 11.7 whitefish and 10.9 trout (Figure 13). Although total relative densities were similar for the two areas, we did find differences in the density of trout between the areas. In Teton Valley, we found 1.7 cutthroat, 1.2 rainbow and 6.2 brook trout per 1000 lineal feet. Below Teton Dam we found 9.4 cutthroat, 1.5 rainbow and less than 1.0 brook trout (Figure 13).

Snorkeling: Using snorkel transects we assessed the relative abundance and distribution of fish species in Bitch Creek. During 1975, whitefish were the most abundant fish species observed in Bitch Creek snorkel transects and comprised 44% of the fish observed; followed by cutthroat trout, 39%; rainbow trout, 19% and brook trout, 2%.

Relative fish abundance in upper Bitch Creek (upstream from Highway-32) differed from that in lower Bitch Creek (below Highway-32). In upper Bitch Creek whitefish comprised 57% of the fish observed; followed by cutthroat trout, 39% and rainbow trout, 3% (Figure 14). In lower Bitch Creek we did not see any whitefish, and rainbow trout comprised 70% of the fish observed; cutthroat trout, 23% and brook trout 8% (Figure 14).

Angling: Using hook-and-line techniques we assessed the relative abundance of trout species in Bitch and Badger Creeks. We found in both 1974 and 1975, that cutthroat trout was the most abundant trout species captured from Bitch Creek, 69% and 62%, respectively; followed by rainbow trout, 31% and 28%; and brook trout, 0% and 2% (Figure 15). During 1975, 9% of the fish captured in Bitch Creek were cutthroat x rainbow hybrids. We did not distinguish hybrids in 1974.

Rainbow trout comprised 84% of the fish captured by project personnel from Badger Creek during 1974, and cutthroat trout made up the rest of the catch, 16% (Figure 15). In 1975, rainbow trout comprised 71% of the catch from Badger Creek, followed by cutthroat x rainbow hybrid, 18% and cutthroat trout, 12% (Figure 15).

In areas of Bitch Creek where both hook-and-line and snorkel techniques were used, we compared the results of the two methods. Since angling techniques were selective for trout species we disregarded whitefish in these comparisons.

In upper Bitch Creek, cutthroat trout comprised 92% of the trout in snorkel transects "close to" the 94% found using hook-and-line methods (Figure 14). In lower Bitch Creek, the percentage of cutthroat x rainbow

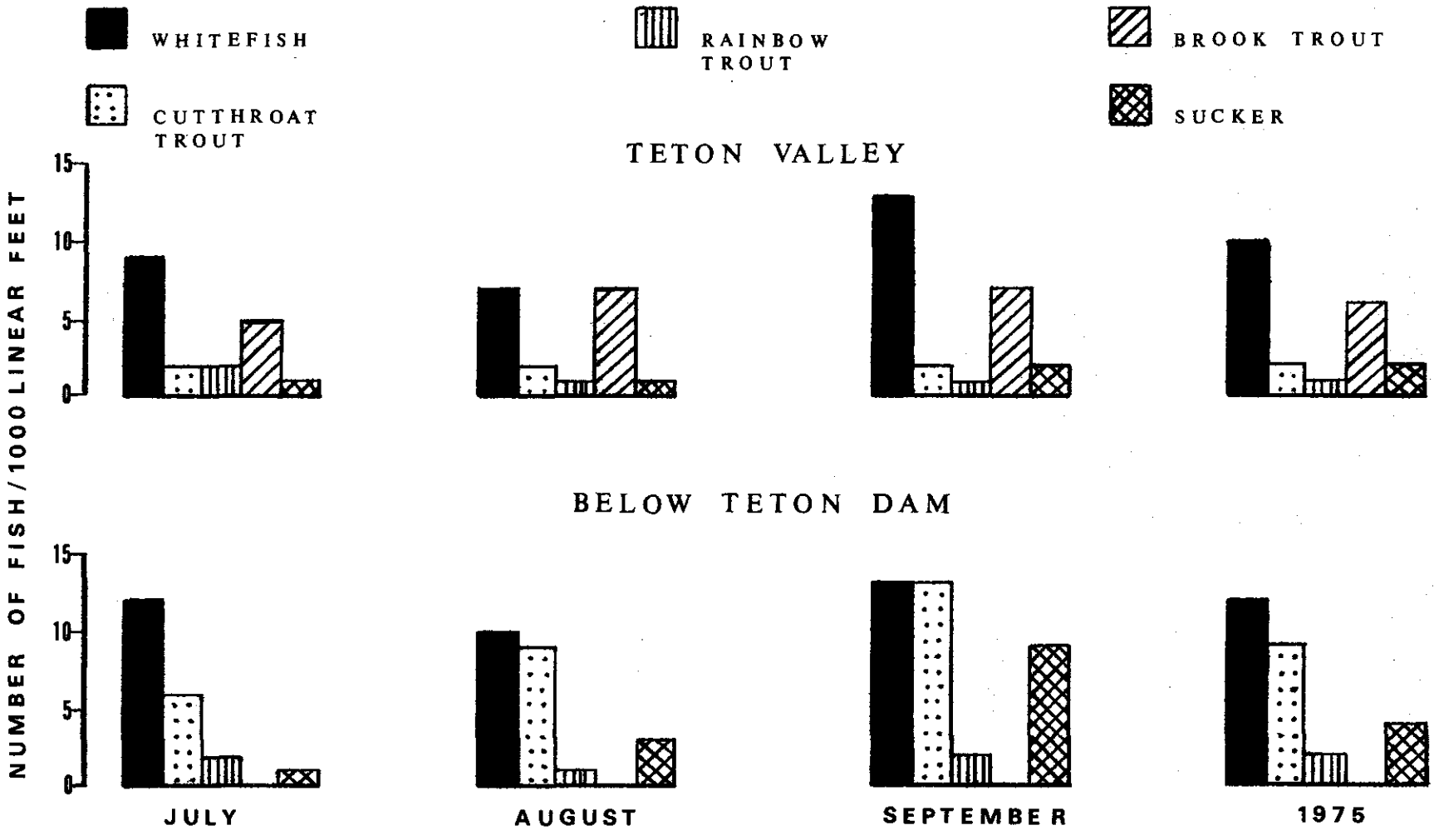



Figure 13. Relative fish density in two areas of the Teton River (Teton Valley and below Teton Dam). Data collected by electrofishing, July, August, and September, 1975.

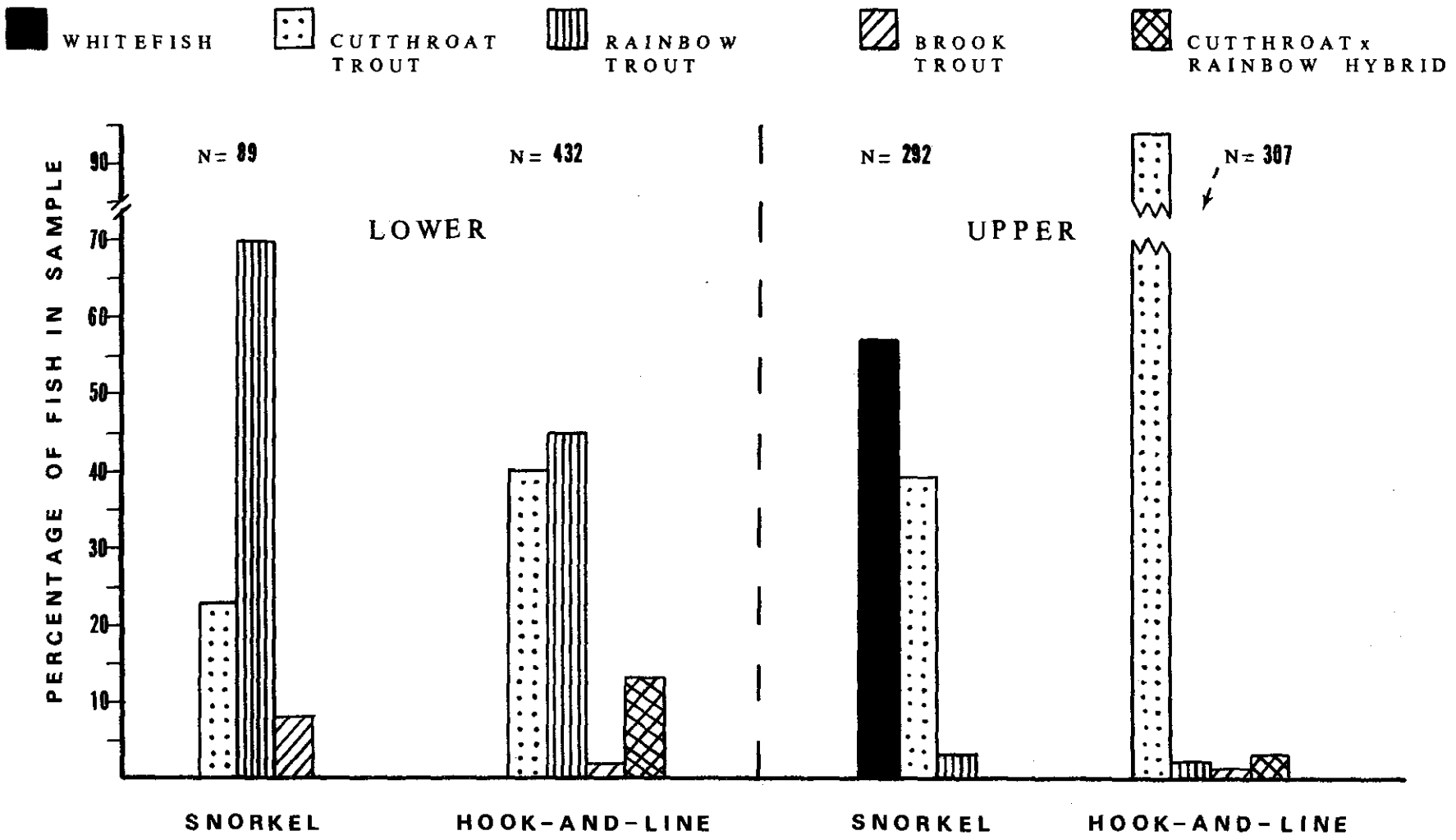



Figure 14. Relative abundance of fish collected by hook-and-line and observed in snorkel transects in two sections (upper, upstream from HWY-32 and lower, downstream from HWY-32) of Bitch Creek, June - September, 1975.

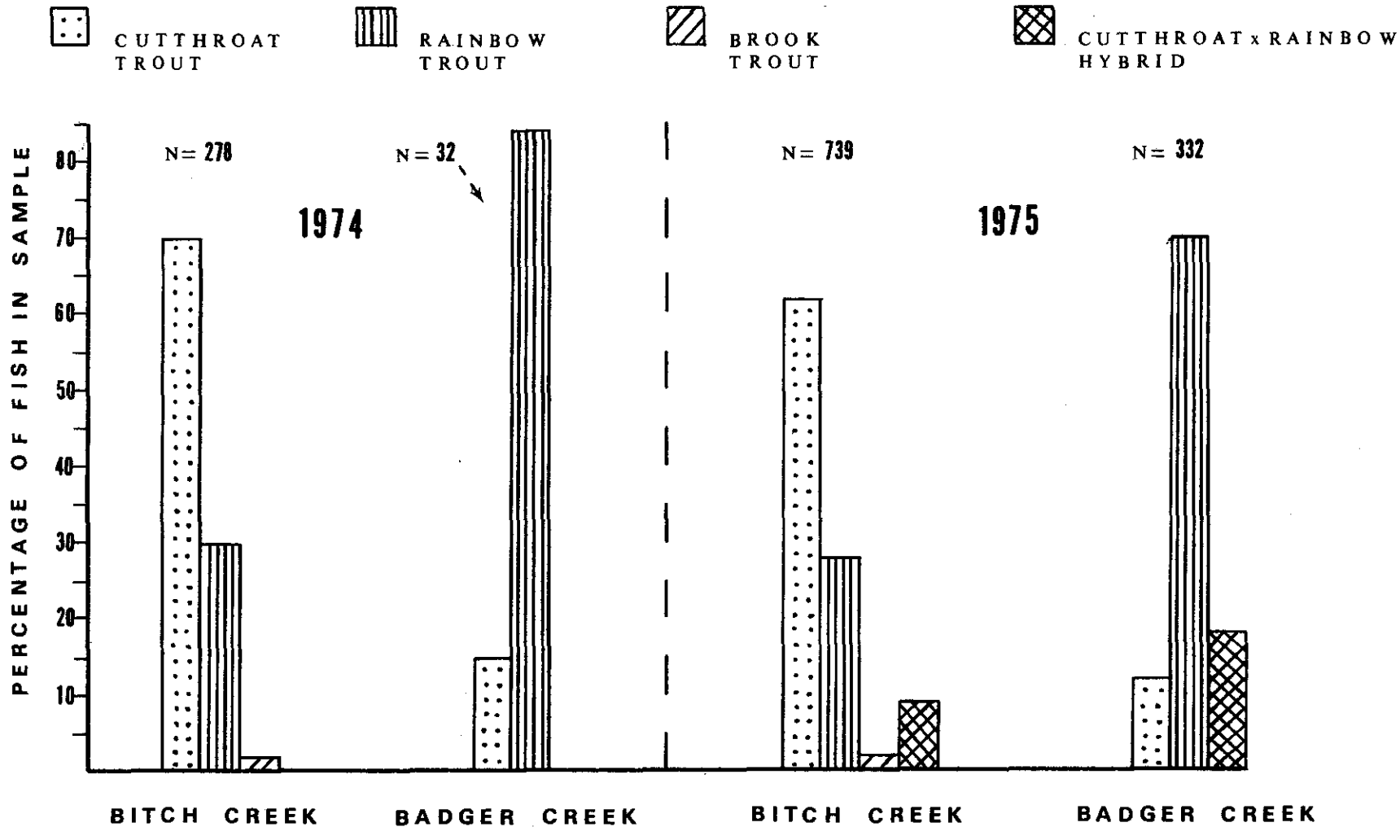



Figure 15. Relative abundance of fish taken by hook-and-line in two tributaries of the Teton River during June - September, 1974 and 1975.

hybrids caught (13%) added to the percentage of rainbow trout caught (45%) "approaches" the percentage of rainbow trout observed (70%) in snorkel transects (Figure 14).

Movement of Tagged Trout

Cutthroat trout: Below Teton Dam we tagged 1014 cutthroat trout during 1974 and 1975. We captured 49 fish in the same year as tagged (1974 or 1975) and 1 (2%) had moved more than one mile. Of those fish tagged in 1974 and recaptured the next year (1975), 10 (32%) had moved (Table 8). Most of the fish which moved were recaptured 5 to 20 miles downstream (Figures 16 and 17). One fish moved out of the Teton Drainage and was recaptured in the South Fork of the Snake River near Idaho Falls, Idaho.

In Teton Canyon we tagged 805 cutthroat trout during 1974 and 1975. Fifty of those fish were recaptured the same year, with 8 (12%) being recaptured more than one mile from the release site. In 1974 we tagged 180 cutthroat trout in Teton Canyon, recaptured 18 the next year, and 4 (22%) had moved (Table 8). Most of the fish which had moved were recaptured short distances upstream or downstream (Figures 16 and 17). One fish moved out of Teton Canyon and was recaptured 1 mile downstream from Teton Dam.

During 1974 and 1975 we tagged 522 cutthroat trout in Teton Valley and recaptured 52 of those fish during the same year, of which 8 (15%) had moved. We tagged 160 cutthroat trout in Teton Valley in 1974. We recaptured, in 1975, 12 of the 160. Four of the 12 fish (33%) had moved (Table 8). Most of the fish were recaptured short distances upstream or downstream from the release sites (Figures 16 and 17).

During 1974 and 1975 we tagged 637 cutthroat trout in Bitch Creek. We captured 53 during the year of tagging, of which 5 (10%) had moved (Table 8). Most of these movements were downstream with two fish moving into the Teton River (Figure 18). We tagged 160 cutthroat trout in 1974 in Bitch Creek and recaptured 19 the next year, of which 4 (21%) had moved (Table 8). Two of these fish were recaptured a short distance downstream, and two fish were recaptured 4 miles downstream and in the Teton River (Figure 19).

In 1976 anglers returned 21 usable tags from cutthroat trout tagged in 1974 and 1975. Eight of these fish were recaptured in the Teton River. Two fish, tagged below Teton Dam in 1974 were caught in the North Fork of the Snake River three to five miles upstream from the mouth of the Teton River. One fish was recpatured in March, before Teton Dam collapsed and the other in the late summer after collapse of the dam. Five cutthroat trout tagged in the Teton Canyon area below Linderman's Dam were caught upstream of the dam; three in Bitch Creek and two upstream from the reservoir pool (between the mouth of Bitch Creek and Felt Dam). These fish must have moved upstream as the reservoir inundated Linderman's Dam. One cutthroat trout tagged in the Teton Valley area was caught two miles upstream from its tagging site. Of the 13 cutthroat trout caught in Bitch Creek (originally tagged in Bitch Creek) only one had moved further than one mile.

Table 8. Number of cutthroat trout tagged in 1974 and 1975 which were recaptured the same year, number tagged in 1974 which were recaptured the next year, and the number and percentage (in parentheses) recaptured more than one mile from release site, 1974-1975.

| | Below Teton Dam | Teton Canyon | Teton Valley | Bitch Creek |
|---|---|---|---|---|
| Number of fish tagged in 1974 and 1975 | 1,014 | 805 | 522 | 637 |
| Recaptured same year | 49 | 50 | 52 | 53 |
| Recaptured more than one mile from release site | 1(2) | 8(12) | 8(15) | 5(10) |
| Number of fish tagged in 1974 | 383 | 180 | 160 | 160 |
| Recaptured next year | 31 | 18 | 12 | 19 |
| Recaptured more than one mile from release site | 10(32) | 4(22) | 4(33) | 4(21) |
| Total number of fish tagged in 1974 and 1975 | 1,014 | 805 | 522 | 637 |
| Total fish recaptured | 80 | 68 | 64 | 72 |
| Recaptured more than one mile from release site | 11(14) | 12(18) | 12(19) | 9(13) |

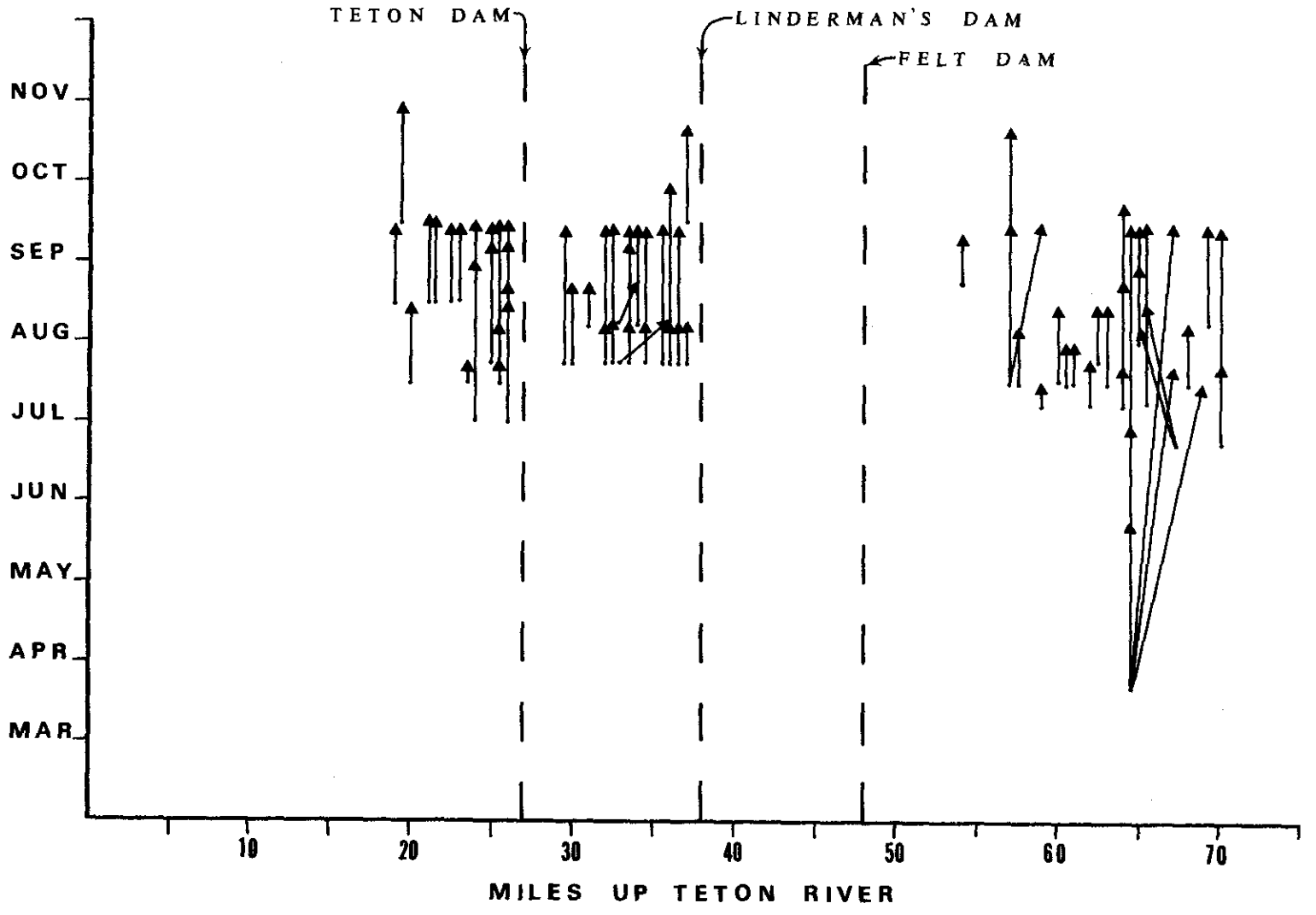



Figure 16. Movement of cutthroat trout tagged in the Teton River in 1974 and 1975 and recaptured the same year. Date-location of tagging (·) and date-location of recapture (▲).

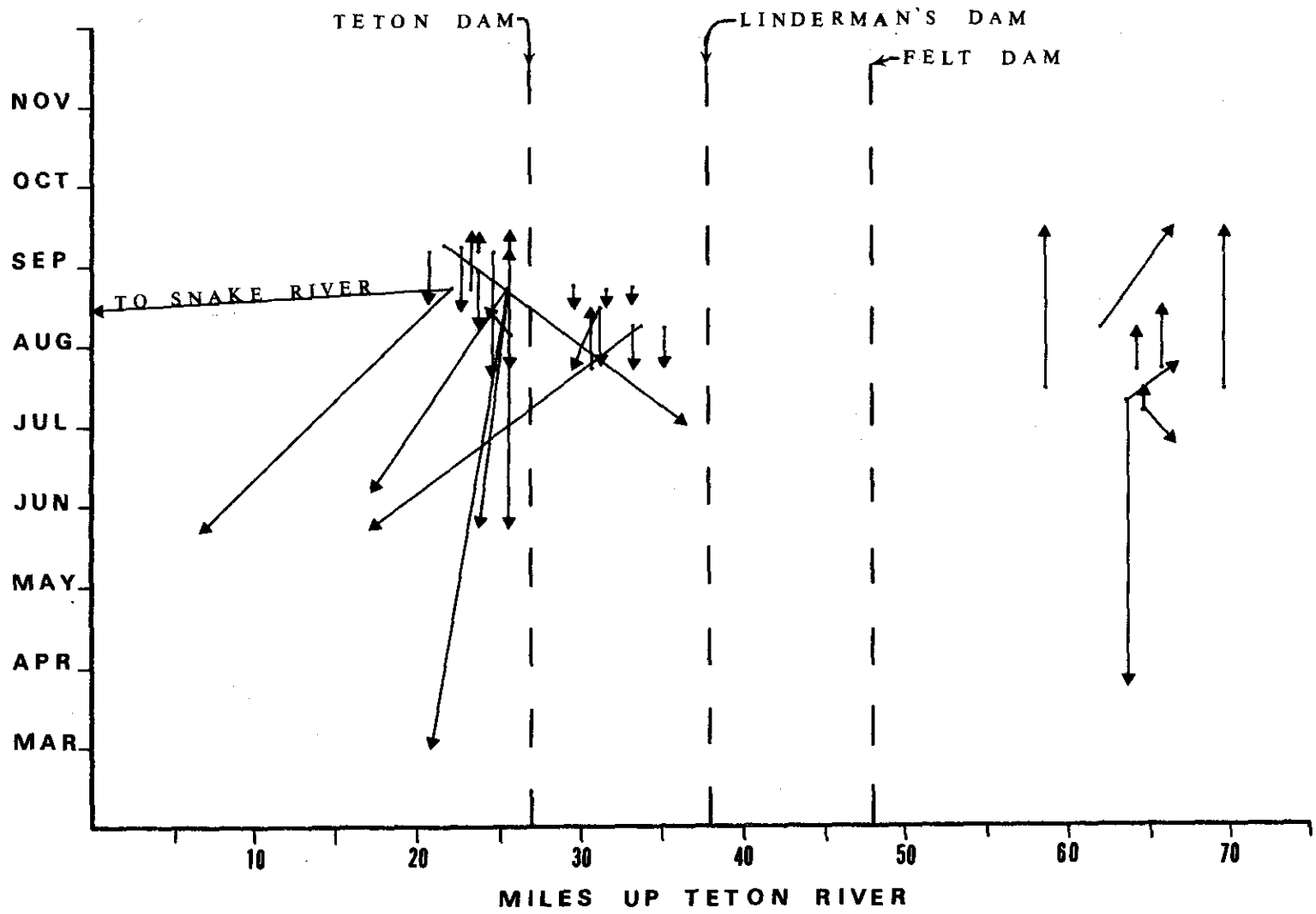



Figure 17. Movement of cutthroat trout tagged in the Teton River in 1974 and recaptured the next (1975) year. Date-location of tagging (·) and date-location of recapture (▲).

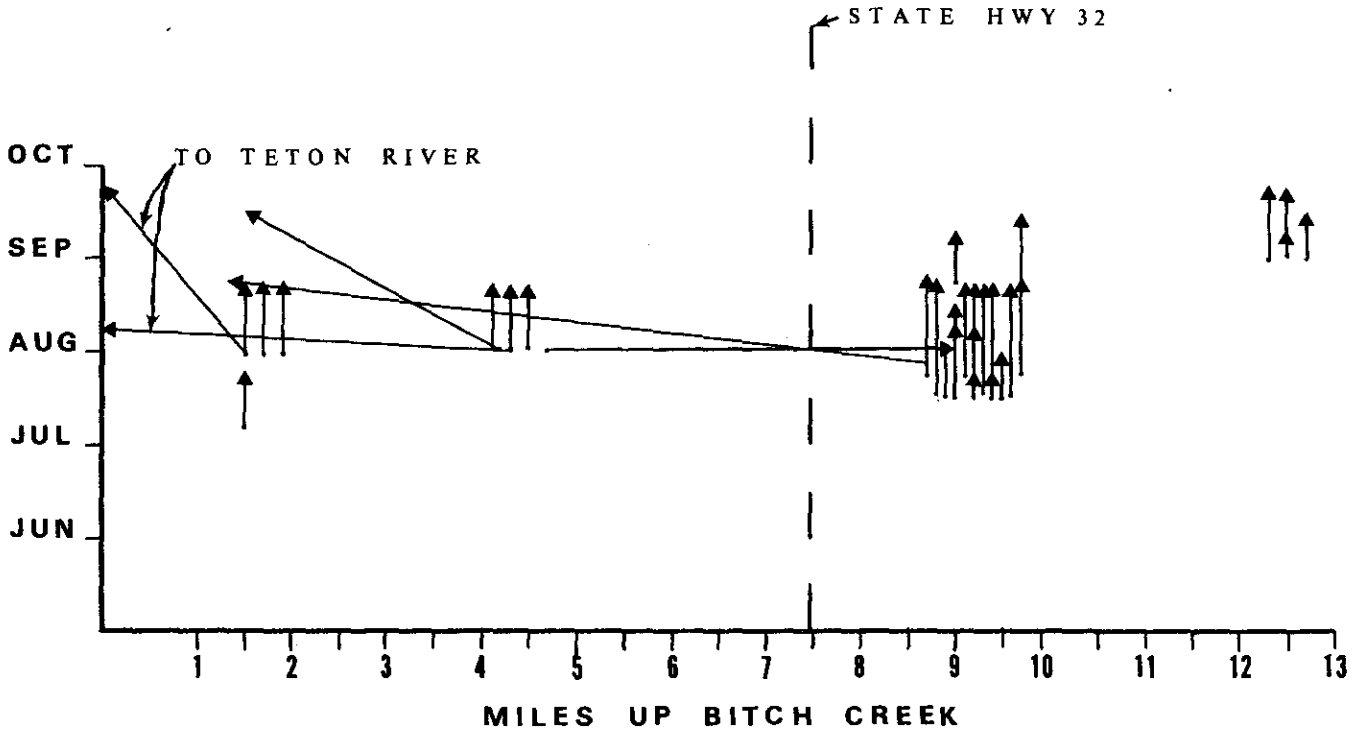



Figure 18. Movement of cutthroat trout tagged in Bitch Creek in 1974 or 1975 and recaptured the same year. Date-location of tagging (·) and date-location of recapture (▲).

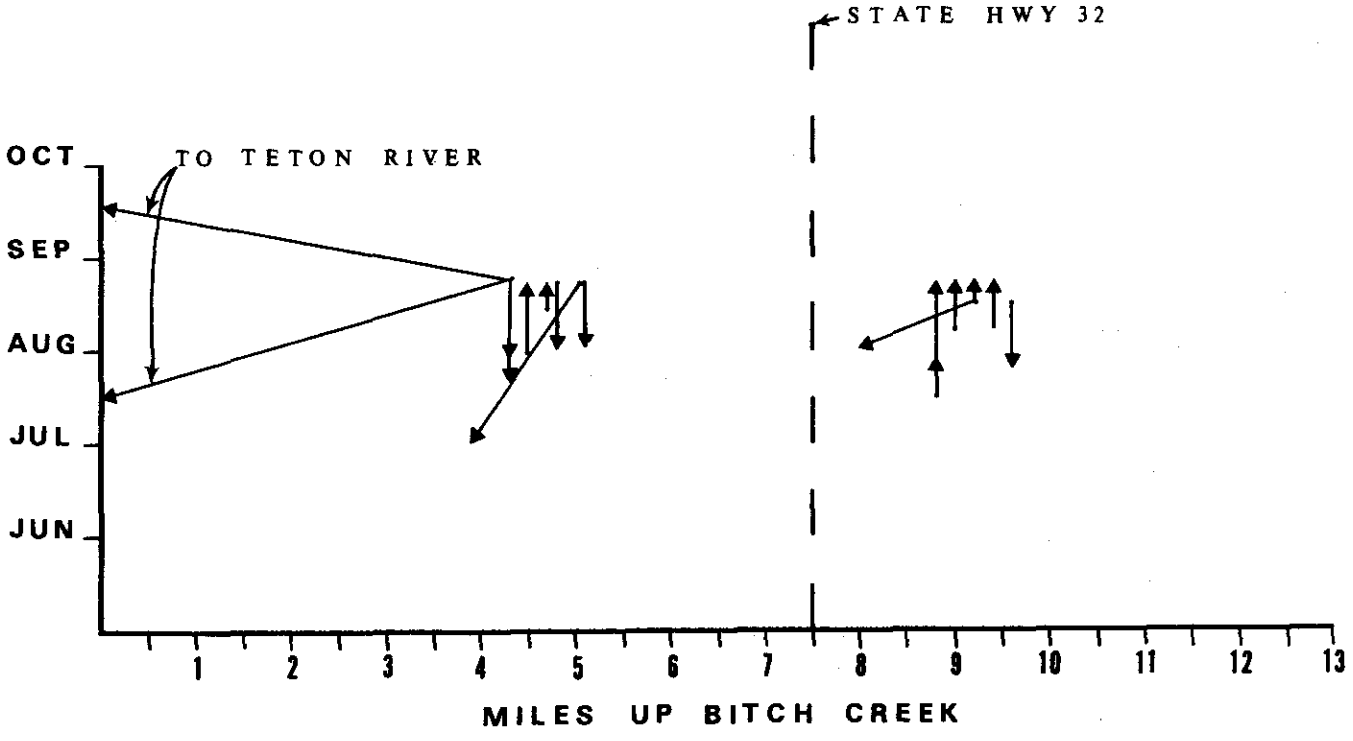



Figure 19. Movement of cutthroat trout tagged in Bitch Creek in 1974 and recaptured the next (1975) year. Date-location of tagging (•) and date-location or recapture (▲).

Rainbow trout: Below Teton Dam we tagged 165 rainbow trout during 1974 and 1975. We recaptured six during the same year as tagged (1974 or 1975) and none had moved further than one mile from the tagging site. During 1975 we recaptured one rainbow trout that was tagged in 1974 and which had moved 18 miles downstream (Table 9) (Figures 20 and 21).

In Teton Canyon we tagged 211 rainbow trout during 1974 and 1975. Eight of those fish were recaptured the same year, with 2 (25%) being recaptured more than one mile from their release site (Table 9). Those fish that did move were recaptured five and eight miles from their tagging sites (Figures 20 and 21). In 1974 we tagged 79 rainbow trout in Teton Canyon, recapturing three the next year, none of which had moved (Table 9) (Figures 20 and 21).

During 1974 and 1975 we tagged 603 rainbow trout in Teton Valley and recaptured 36 of those fish the same year, of which 4 (11%) had moved. We tagged 200 rainbow trout in Teton Valley in 1974 recapturing 5 of the 200 in 1975. Two of the 5 fish (40%) had moved (Table 9). Most of these fish were recaptured short distances upstream or downstream from the tagging sites (Figures 20 and 21).

During 1974 and 1975 we tagged 266 rainbow trout in Bitch Creek. We recaptured three during the year of tagging, of which 1 (33%) had moved (Table 9). The one fish that moved was recaptured 7.5 miles downstream from its tagging site. We tagged 76 rainbow trout in Bitch Creek during 1974 and recaptured two the next year, none of which had moved more than one mile.

In 1976 anglers returned seven usable tags from rainbow trout tagged during 1974 and 1975. Three of these fish were caught from the Teton River, of which two had moved futher than one mile. One fish tagged below Teton Dam was caught 16 miles downstream in May 1976. The other fish, tagged in Teton Canyon, was caught below the Teton Dam site in September 1976 (after collapse of Teton Dam). Of four rainbow trout recaptured in Bitch Creek only one moved futher than one mile.

Brook Trout: Brook trout recaptured below Teton Dam and in Teton Canyon did not move (Table 10) (Figure 22). In Teton Valley we tagged 689 brook trout during 1974 and 1975. We recaptured 61 fish in the same year as tagged (1974 or 1975) and 13 (21%) had moved more than one mile. Of those fish tagged in 1974 and recaptured the next year (1975), 3 (43%) had moved further than one mile (Table 10). The fish that did move were recaptured between one and 10 miles from their tagging sites (Figures 22 and 23). A total of eight brook trout out of 219 tagged in Teton Valley tributaries were recaptured in the main Teton River at a later date (Table 10).

Age and Growth of Cutthroat Trout

We found a difference in calculated growth rates and scale radius measurements of cutthroat trout between Teton Valley and the two lower river areas (Teton Canyon and below Teton Dam) (Table 11, 12, 13, and

Table 9. Number of wild rainbow trout tagged in 1974 and 1975 which were recaptured the same year, number tagged in 1974 which were recaptured the next year and the number and percentage (in parentheses) recaptured more than one mile from release site, 1974-1975.

| | Below Teton Dam | Teton Canyon | Teton Valley | Bitch Creek |
|---|---|---|---|---|
| Number of fish tagged in 1974 and 1975 | 165 | 211 | 603 | 266 |
| Recaptured same year | 6 | 8 | 36 | 3 |
| Recaptured more than one mile from release site | 0(0) | 2(25) | 4(11) | 1(33) |
| Number of fish tagged in 1974 | 42 | 79 | 200 | 76 |
| Recaptured next year | 1 | 3 | 5 | 2 |
| Recaptured more than one mile from release site | 1(100) | 0(0) | 2(40) | 0(0) |
| Total number of fish tagged in 1974 and 1975 | 165 | 211 | 603 | 266 |
| Total fish recaptured | 7 | 11 | 41 | 5 |
| Recaptured more than one mile from release site | 1(14) | 2(18) | 6(15) | 1(20) |

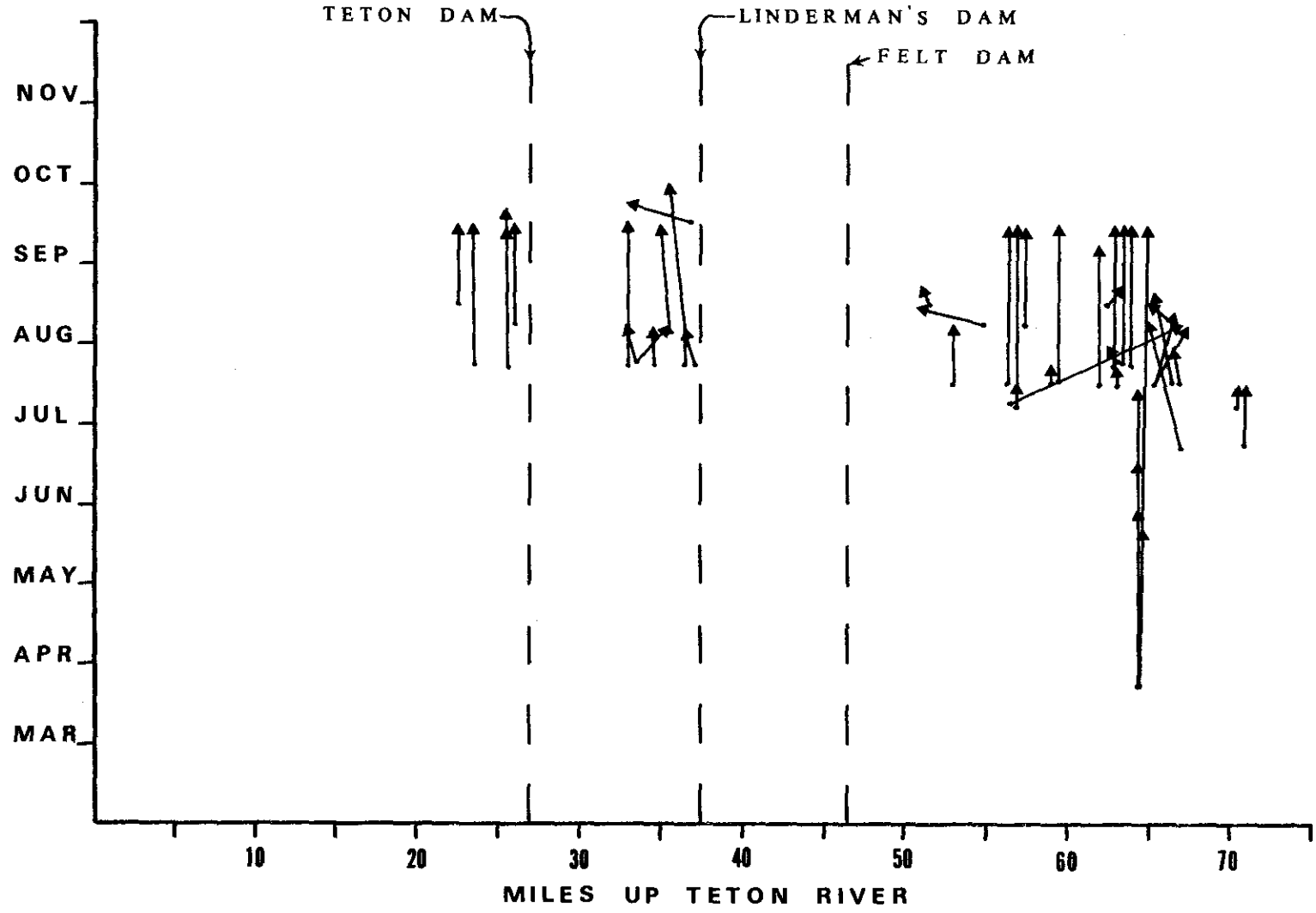



Figure 20. Movement of rainbow trout tagged in the Teton River in 1974 and 1975 and recaptured the same year. Date-location of tagging (•) and date-location of recapture (▲).

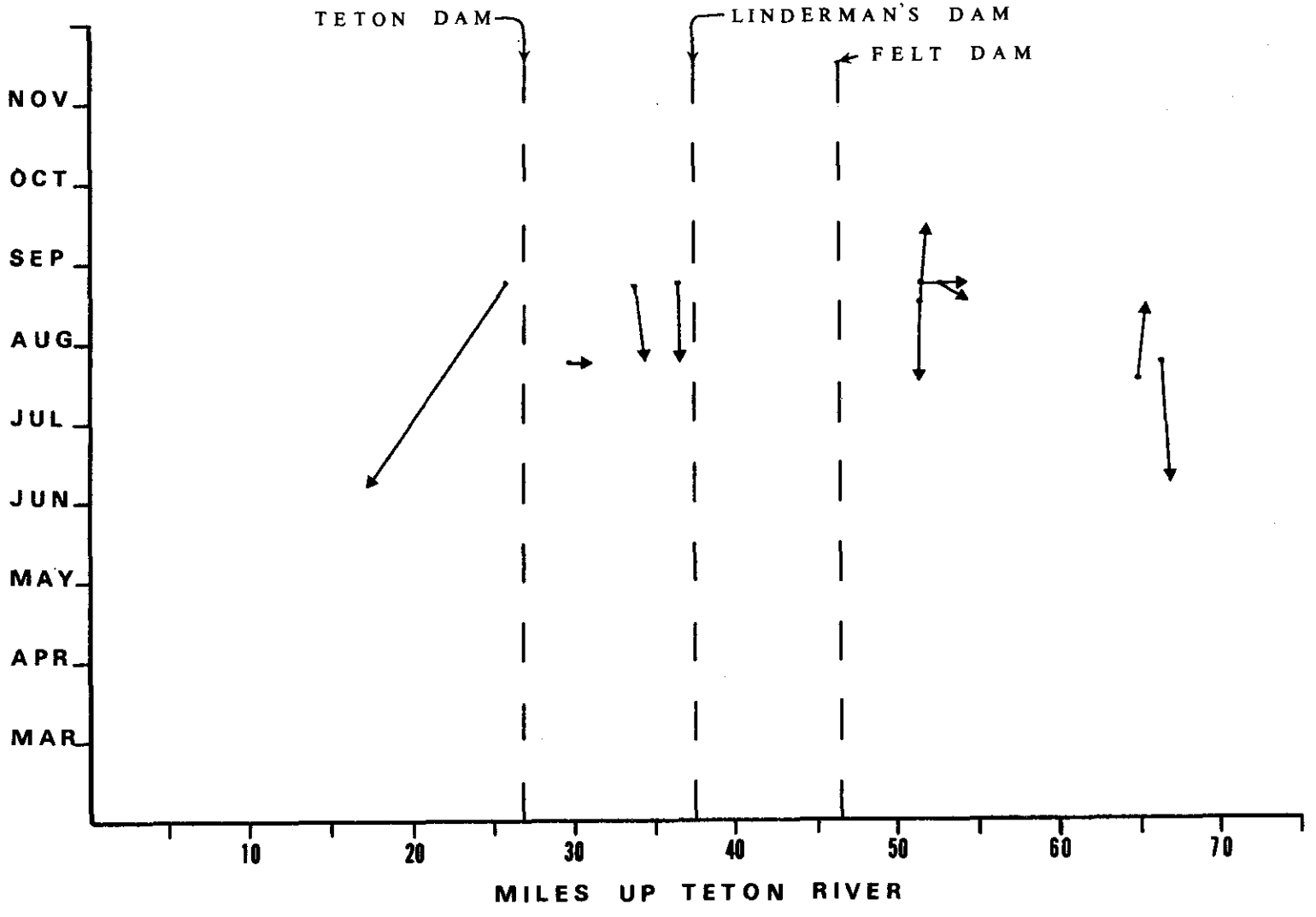



Figure 21. Movement of rainbow trout tagged in the Teton River in 1974 and recaptured the next (1975) year. Date-location of tagging (•) and date-location of recapture (▲).

Table 10. Number of brook trout tagged in 1974 and 1975 which were recaptured the same year, number tagged in 1974 which were recaptured the next year and the number and percentage (in parentheses) recaptured more than one mile from release site, 1974-1975.

| | Below Teton Dam | Teton Canyon | Teton Valley | Teton Valley tributaries |
|---|---|---|---|---|
| Number of fish tagged in 1974 and 1975 | 7 | 29 | 689 | 219 |
| Recaptured same year | 1 | 1 | 61 | 3 |
| Recaptured more than one mile from release site | - | - | 13(21) | 2(67) |
| Number of fish tagged in 1974 | 2 | 12 | 423 | 197 |
| Recaptured the next year | - | - | 7 | 5 |
| Recaptured more than one mile from release site | - | - | 3(43) | 1(20) |
| Total number of fish tagged in 1974 and 1975 | 7 | 29 | 689 | 219 |
| Total fish recaptured | 1 | 1 | 68 | 8 |
| Recaptured more than one mile from release site | - | - | 16(24) | 3(38) |

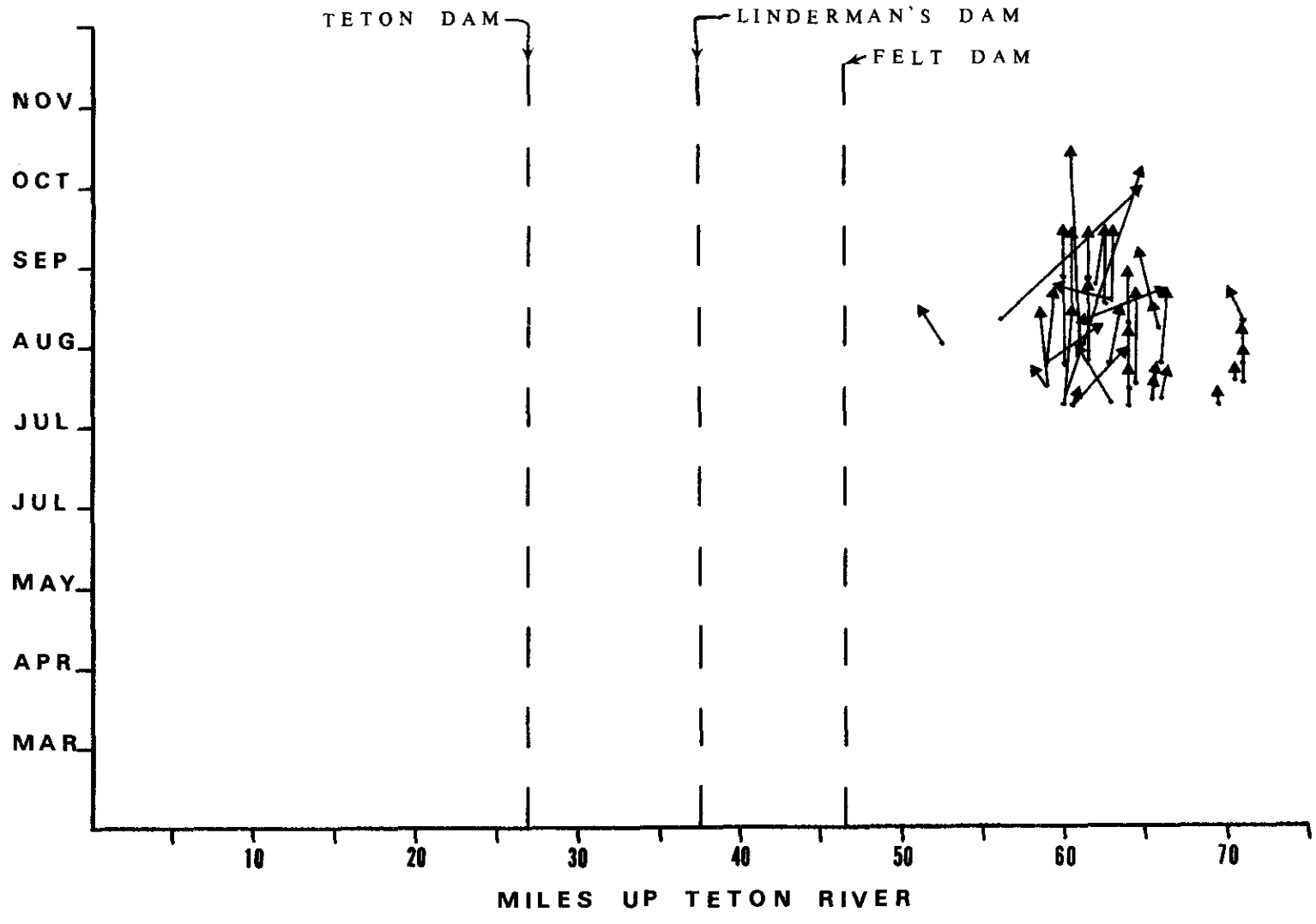



Figure 22. Movement of brook trout in the Teton River in 1974 or 1975 and recaptured the same year. Date-location of tagging (•) and date-location of recapture (▲).

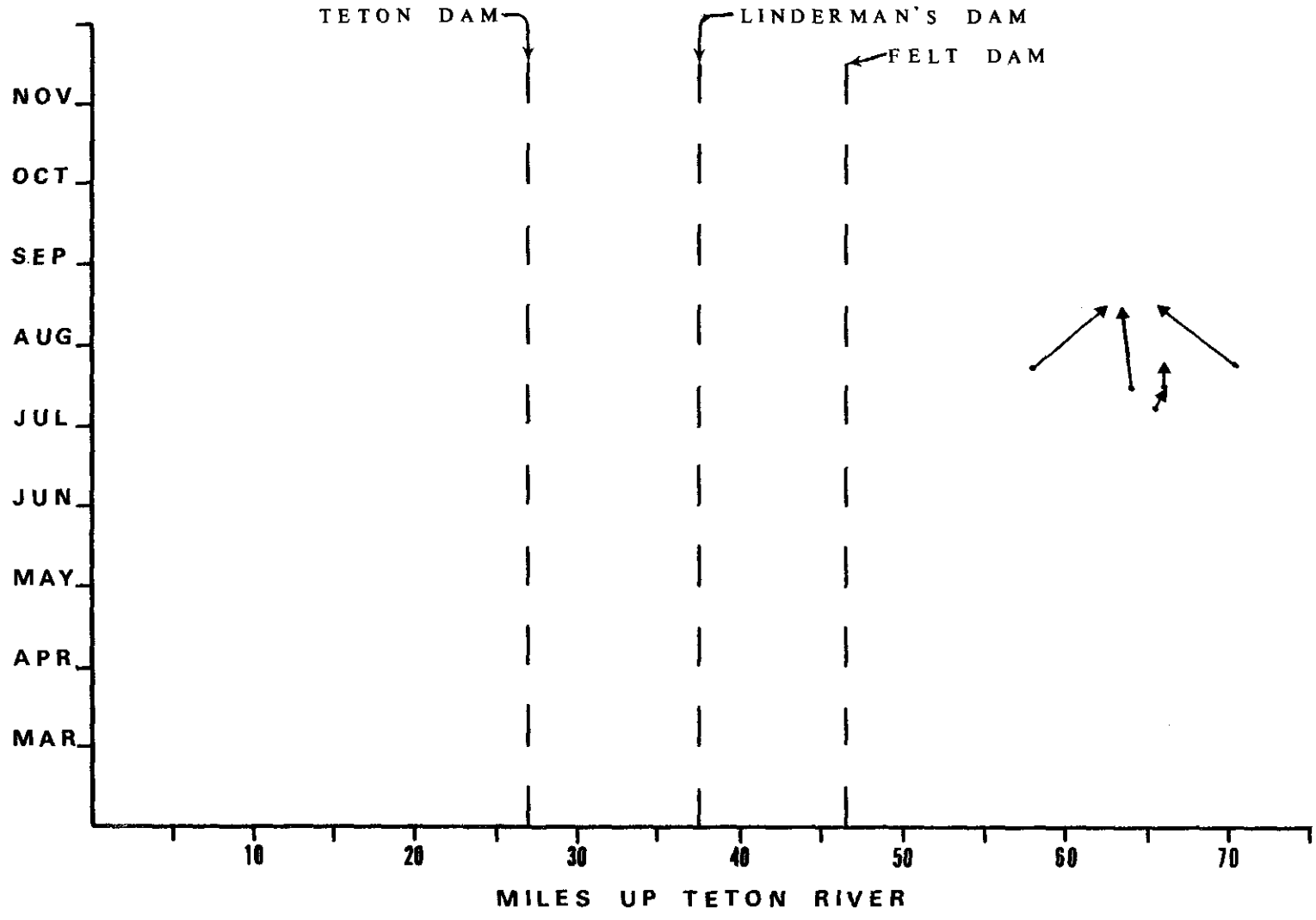





Figure 23. Movement of brook trout tagged in the Teton River in 1974 and recaptured the next (1975) year. Date-location of tagging (*) and date-location of recapture (▲).

Table 11. T-tests for differences in cutthroat trout scale radius measurements between three areas of the Teton River (below Teton Dam, Teton Canyon and Teton Valley), 1974 and 1975.

| | Age classes | | | | | |
|---|---|---|---|---|---|---|
| | I | II | III | IV | V | VI |
| Mean scale radius | | | | | | |
| Below Teton Dam ($\bar{X}a$) | 17.80 | 33.08 | 51.26 | 67.56 | 86.20 | 154.00 |
| Teton Canyon ($\bar{X}b$) | 18.85 | 34.09 | 51.62 | 67.82 | 85.33 | 95.00 |
| $\bar{X}a - \bar{X}b$ | -1.05 | -1.01 | -0.36 | -0.26 | 0.87 | 59.00 |
| $S_{\bar{X}a - \bar{X}b}$ [1/] | 0.786 | 1.424 | 2.052 | 3.649 | 8.447 | 10.772 |
| d.f. [2/] | 177 | 149 | 106 | 42 | 15 | 4 |
| Computed t [3/] | 1.336 | 0.709 | 0.175 | .07 | 0.103 | 5.477 |
| Probability of a larger t | 0.2-0.1 | 0.5-0.4 | 0.9-0.7 | 0.9 | 0.9 | 0.01-0.001 |
| Mean scale radius | | | | | | |
| Below Teton Dam ($\bar{X}a$) | 17.80 | 33.08 | 51.26 | 67.56 | 86.20 | |
| Teton Valley ($\bar{X}c$) | 14.94 | 29.00 | 49.21 | 69.62 | 83.80 | |
| $\bar{X}a - \bar{X}c$ | 2.86 | 4.08 | 2.05 | 2.06 | 2.40 | -- |
| $S_{\bar{X}a - \bar{X}c}$ | 0.621 | 1.184 | 2.085 | 1.906 | 6.566 | -- |
| d.f. | 213 | 184 | 122 | 64 | 13 | -- |
| Computed t | 4.605 | 3.446 | 0.983 | 1.081 | 0.366 | -- |
| Probability of a larger t | <.001 | <.001 | 0.4-0.3 | 0.3-0.2 | 0.9-0.7 | -- |
| Mean scale radius | | | | | | |
| Teton Canyon ($\bar{X}b$) | 18.85 | 34.09 | 51.26 | 67.82 | 85.33 | |
| Teton Valley ($\bar{X}c$) | 14.94 | 29.00 | 49.21 | 69.62 | 83.80 | |
| $\bar{X}b - \bar{X}c$ | 3.91 | 5.09 | 2.41 | -1.80 | 1.53 | -- |
| $S_{\bar{X}b - \bar{X}c}$ | 0.609 | 1.017 | 1.542 | 1.935 | 5.319 | -- |
| d.f. | 244 | 213 | 160 | 76 | 20 | -- |
| Computed t | 6.585 | 5.005 | 1.563 | 0.930 | 0.288 | -- |
| Probability of a larger t | <0.01 | <0.01 | 0.2-0.1 | 0.4-0.3 | 0.9-0.7 | -- |

[1/] Sample standard deviation = $\sqrt{(\text{pooled } S^2)(N_1 + N_2)/(n_1 X n_2)}$.

[2/] Degrees of freedom = $(n_1 - 1) + (n_2 - 1)$.

[3/] Computed t value = $\bar{d}/S\bar{d}$

Table 12. Calculated total lengths and annual increments of growth for cutthroat trout collected in 1974 and 1975 from the Teton River below Teton Dam.

| Age Class | No. Fish | Computed mean length at each annulus (mm) 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| I | 13 | 111 | -- | -- | -- | -- | -- | -- |
| II | 26 | 97 | 151 | -- | -- | -- | -- | -- |
| III | 19 | 98 | 149 | 213 | -- | -- | -- | -- |
| IV | 11 | 95 | 150 | 211 | 262 | -- | -- | -- |
| V | 4 | 95 | 152 | 209 | 268 | 314 | -- | -- |
| VI | -- | -- | -- | -- | -- | -- | -- | -- |
| VII | 1 | 107 | 223 | 278 | 364 | 412 | 477 | 567 |
| Weighted Grand Average | | 99 | 151 | 214 | 270 | 334 | 477 | 567 |
| Increment of Growth | | 99 | 52 | 63 | 56 | 64 | 143 | 90 |
| No. of Fish | | 74 | 61 | 35 | 16 | 5 | 1 | 1 |

14). According to back-calculated growth rates and scale radius measurements cutthroat trout in Teton Valley grow at a slower rate the first two years of life than fish in Teton Canyon and below Teton Dam. The differences in growth rates could be due to several factors: 1) Differences in water temperatures during the growing season, 2) earliest emergence of fry in lower river areas, and 3) the effect of utilizing tributaries as rearing areas.

Water temperature below Teton Dam, prior to construction of Teton Dam, became warmer earlier in the year than did water temperatures in Teton Valley (Figures 24 and 25). Warmer water temperatures could result in earlier emergence thus a longer growing period for those fish in Teton Canyon and below Teton Dam. In Teton Valley there are several tributaries in which cutthroat trout have been observed spawning. If the offspring of these spawners do not migrate to the river for one or two years they may have a slower growth rate because tributaries are cooler.

Calculated growth rates of cutthroat trout found below Teton Dam and in Teton Canyon are similar to those found by Mallet (1961) in the Middle Fork of the Salmon River. The calculated growth rates of cutthroat trout in Teton Valley are similar to the first two years of calculated growth rates for several tributary populations of cutthroat trout factors(Platts, 1958 and Bjornn, 1957). Cutthroat trout in sections of the upper Snake River (Hagenbuck, 1970) grew faster than those in the Teton River.

Table 13. Calculated total lengths and annual increments of growth for cutthroat trout collected in 1974 and 1975 from the Teton River in Teton Canyon.

| Age Class | No. Fish | Computed mean length at each annulus (mm) 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| I | 15 | 116 | -- | -- | -- | -- | -- | -- |
| II | 17 | 105 | 162 | -- | -- | -- | -- | -- |
| III | 45 | 100 | 158 | 219 | -- | -- | -- | -- |
| IV | 16 | 96 | 143 | 210 | 277 | -- | -- | -- |
| V | 7 | 96 | 140 | 196 | 256 | 339 | -- | -- |
| VI | 4 | 107 | 171 | 228 | 284 | 331 | 372 | -- |
| VII | 1 | 96 | 134 | 172 | 213 | 275 | 319 | 364 |
| Weighted Grand Average | | 102 | 155 | 215 | 270 | 331 | 361 | 364 |
| Increment of Growth | | 102 | 53 | 60 | 55 | 61 | 30 | 3 |
| No. of Fish | | 105 | 90 | 73 | 28 | 12 | 5 | 1 |

Table 14. Calculated total lengths and annual increments of growth for cutthroat trout collected in 1974 and 1975 from the Teton River in Teton Valley.

| Age Class | No. Fish | Computed mean lengths at each annulus (mm) 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| I | 16 | 103 | -- | -- | -- | -- | -- | -- |
| II | 36 | 91 | 140 | -- | -- | -- | -- | -- |
| III | 39 | 85 | 132 | 203 | -- | -- | -- | -- |
| IV | 40 | 85 | 137 | 204 | 269 | -- | -- | -- |
| V | 10 | 94 | 152 | 232 | 286 | 326 | -- | -- |
| Weighted Grand Average | | 89 | 138 | 207 | 272 | 326 | | |
| Increment of Growth | | 89 | 49 | 69 | 65 | 54 | | |
| No. of Fish | | 141 | 125 | 89 | 50 | 10 | | |

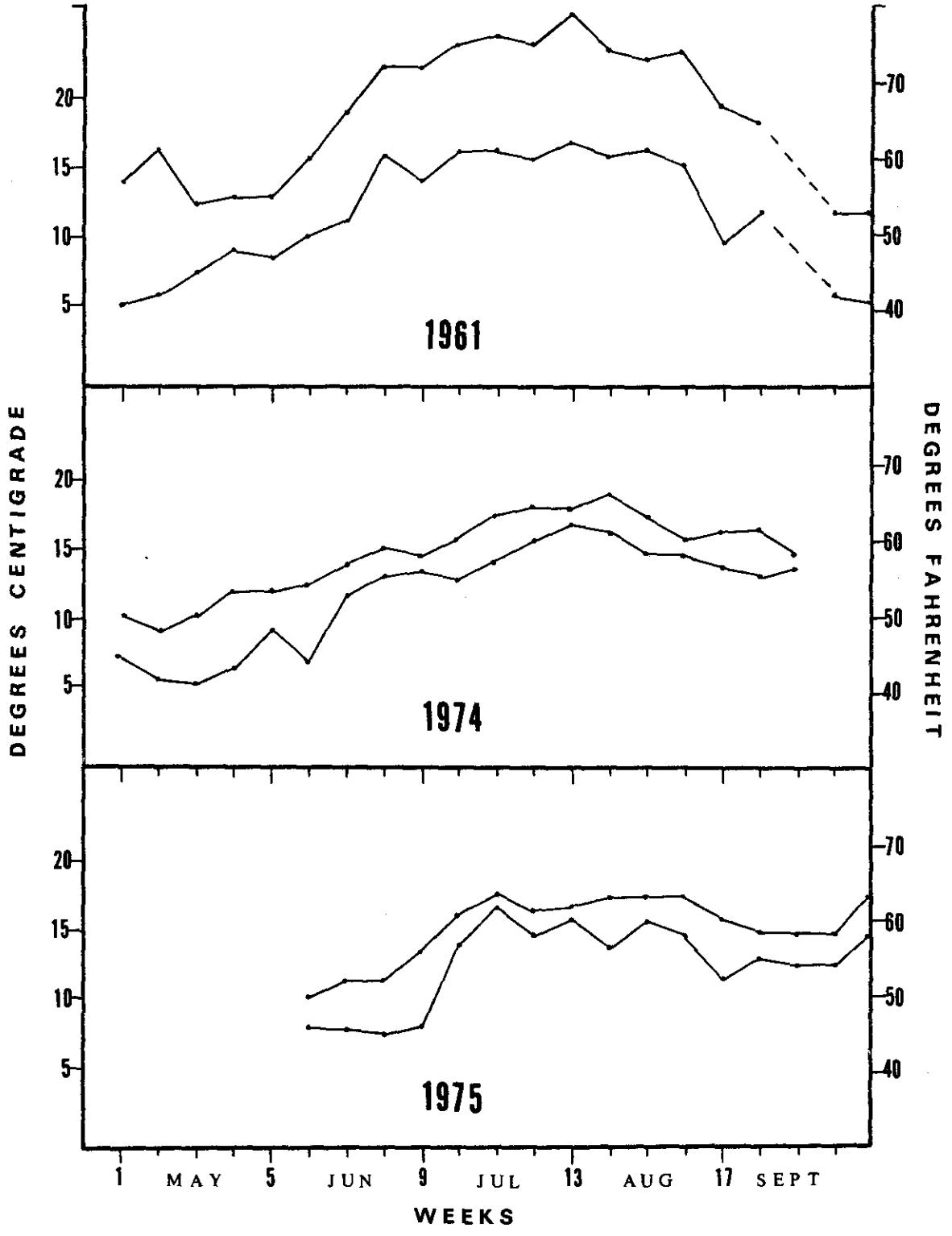



Figure 24. Weekly minimum and maximum water temperatures of the Teton River recorded by a thermograph 1 mile below Teton Dam. The U. S. Fish and Wildlife Service collected the 1961 data and the Bureau of Reclamation the 1974-75 data.

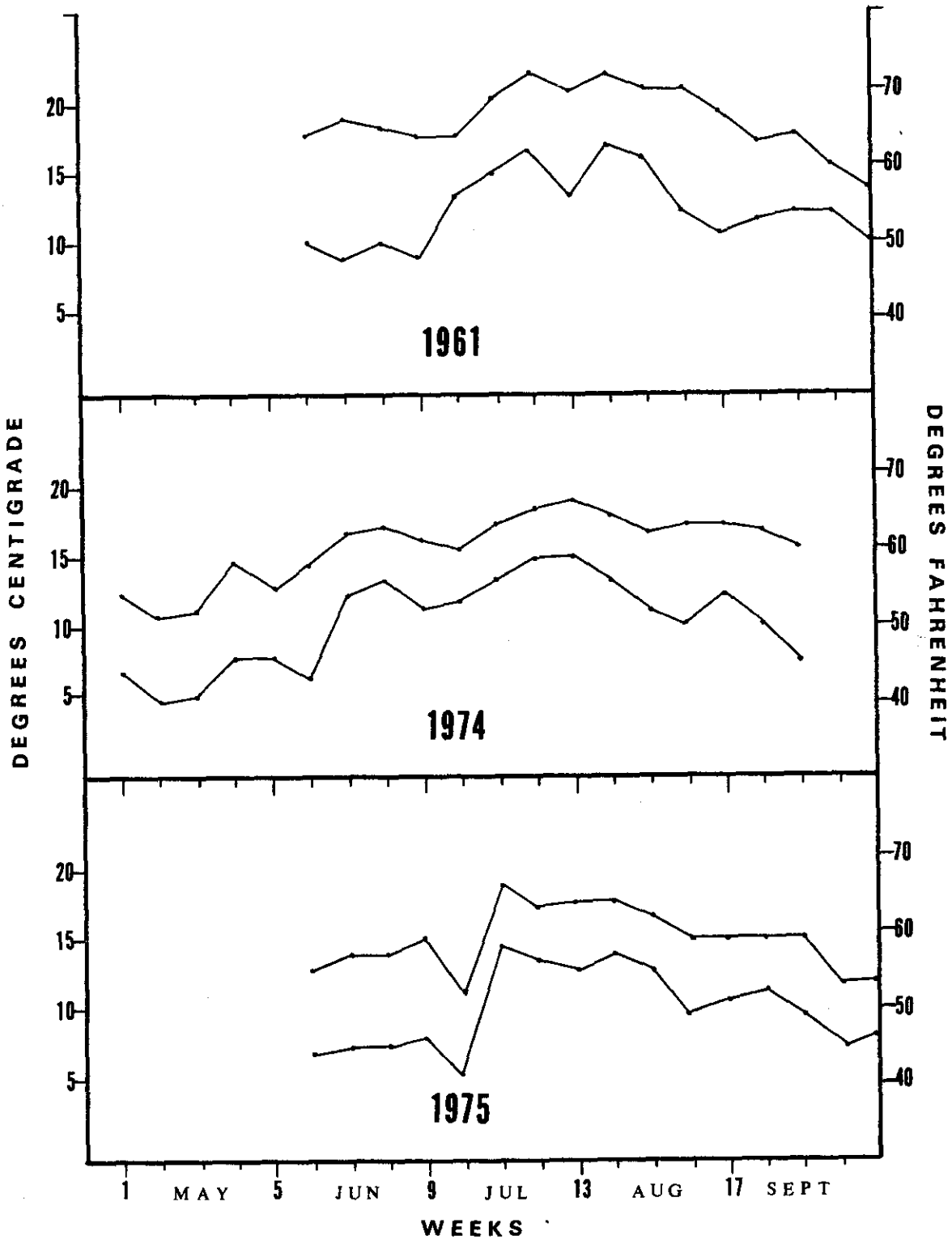



Figure 25. Weekly minimum and maximum water temperatures of the Teton River recorded by a thermograph located in Teton Valley. The U. S. Fish and Wildlife Service collected the 1961 data and the Bureau of Reclamation the 1974-75 data.

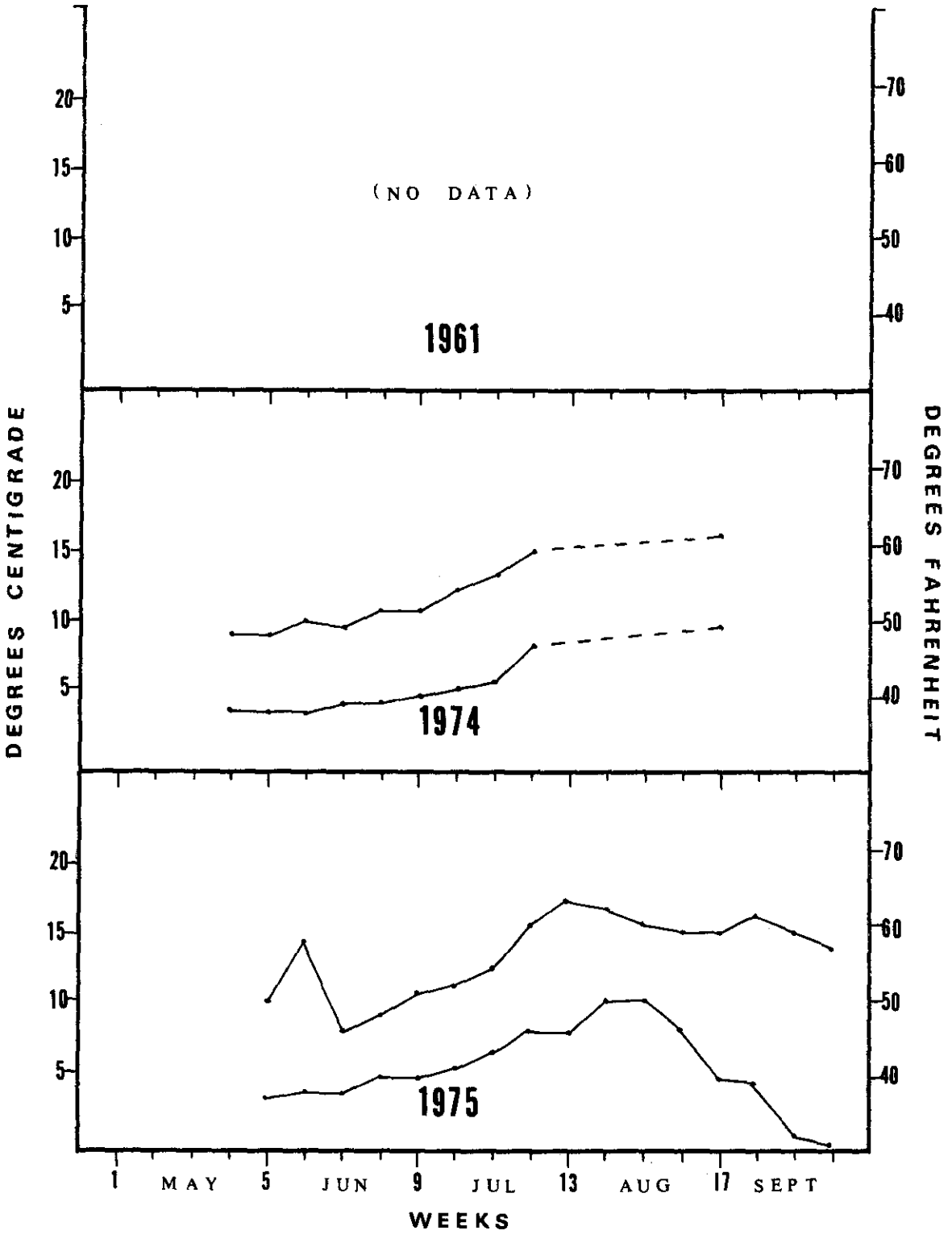



Figure 26. Weekly minimum and maximum water temperatures of Bitch Creek recorded by a thermograph located 8 miles upstream from its mouth. The Bureau of Reclamation collected the data in 1974-75.

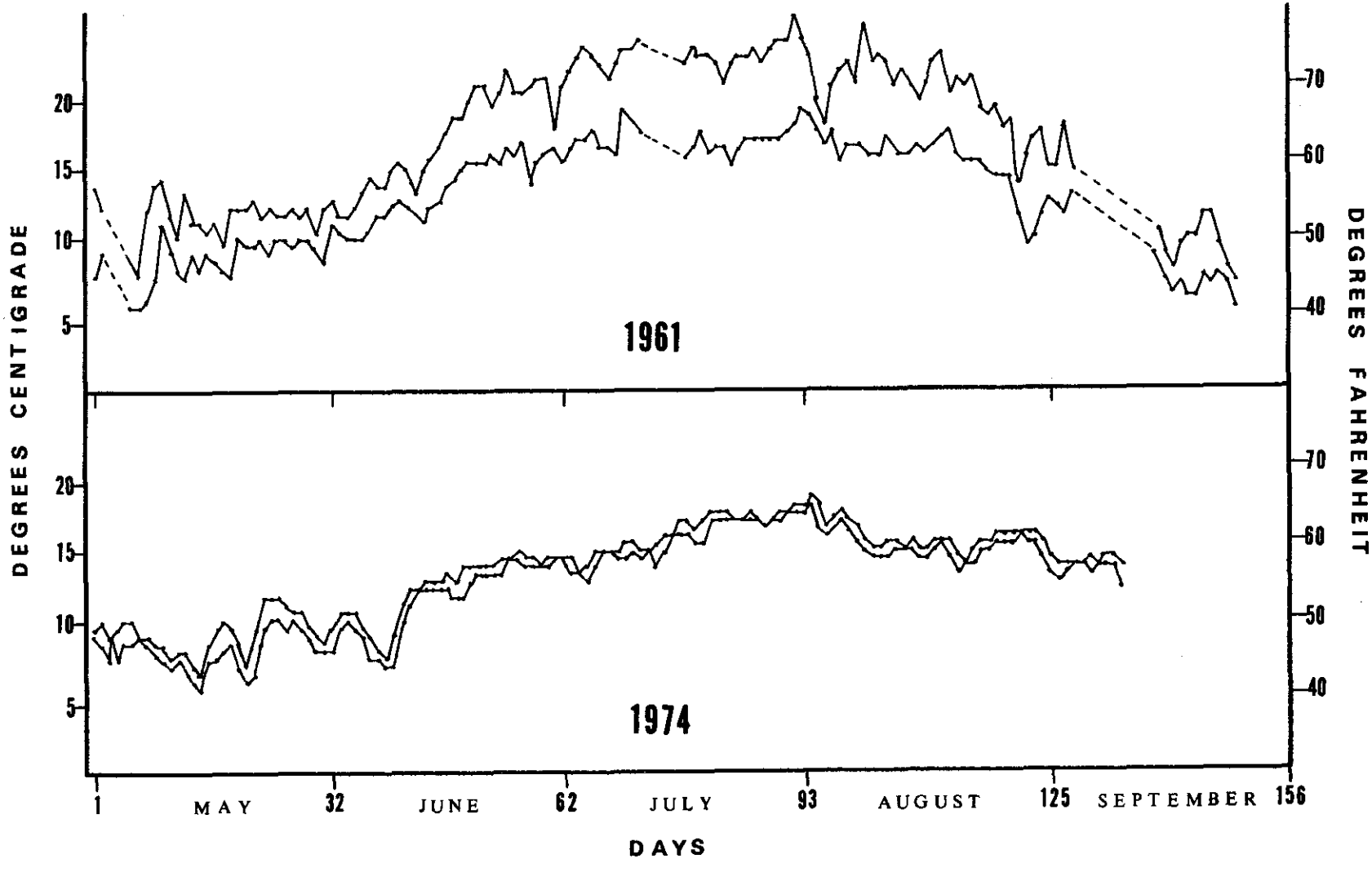



Figure 27. Daily minimum and maximum water temperatures of the Teton River recorded by a thermograph 1 mile below Teton Dam. Data collected in 1961 by the U. S. Fish and Wildlife Service and in 1974 by the Bureau of Reclamation.

Maturity of Cutthroat Trout

In Teton Canyon and below Teton Dam most male and female cutthroat trout mature at age IV and V, respectively. Most males larger than 220 mm and all males over 280 mm were mature. In contrast, most of the females less than 320 mm were immature (Table 15). We did not collect enough 280-320 mm fish to determine if any females of that size-age were mature.

In Teton Valley most males matured at age classes II and III while females matured at age class V. Of 25 male fish examined, all fish larger than 190 mm were mature (Table 16). Of 28 female fish examined, most less than 320 mm were immature while all fish larger than 320 mm were mature (Table 16). Mallet (1961) found that most cutthroat trout matured at age V. Rankel (1971) found that most cutthroat trout in the St. Joe River matured at age IV and V for male and female, respectively.

Table 15. The number of cutthroat trout examined and the number and percentage which would have spawned the following spring. Collected from the Teton River in the Teton Canyon and below Teton Dam, Fall 1975.

| Total length (mm) | Number of fish inspected | Fish which would have spawned next spring | |
|---|---|---|---|
| | | Number | Percentage |
| Males | | | |
| 110-179 | 7 | 0 | -- |
| 180-199 | 6 | 3 | 50 |
| 200-219 | 3 | 0 | -- |
| 220-239 | 11 | 10 | 91 |
| 240-259 | 16 | 12 | 75 |
| 260-279 | 20 | 16 | 80 |
| 280-299 | 12 | 12 | 100 |
| 300-319 | 3 | 3 | 100 |
| 320+ | 2 | 2 | 100 |
| Females | | | |
| 110-219 | 14 | 1 | 7 |
| 220-239 | 7 | 1 | 14 |
| 240-259 | 7 | 0 | -- |
| 260-279 | 14 | 1 | 7 |
| 280-299 | 7 | 0 | -- |
| 300-319 | 2 | 0 | -- |
| 320+ | | | |

Table 16. The number of cutthroat trout examined and the number and percentage which would have spawned the following spring. Collected from the Teton River in Teton Valley, Fall 1975.

| Total length (mm) | Number of fish inspected | Fish which would have spawned next spring | |
|---|---|---|---|
| | | Number | Percentage |
| Males | | | |
| 110-179 | 7 | 0 | -- |
| 180-189 | 4 | 0 | 0 |
| 190-209 | 1 | 1 | 100 |
| 210-229 | 8 | 8 | 100 |
| 230-249 | 5 | 5 | 100 |
| 250-269 | 1 | 1 | 100 |
| 270-289 | 4 | 4 | 100 |
| 290-319 | 1 | 1 | 100 |
| Females | | | |
| 110-279 | 21 | 0 | 0 |
| 280-299 | 4 | 2 | 50 |
| 300-319 | 0 | 0 | 0 |
| 320-339 | 2 | 2 | 100 |
| 340-359 | 1 | 1 | 100 |

Age Structure and Mortality Rates of Cutthroat Trout

We found that the mortality rates (a) varied little (with one exception) between areas of the Teton River. Below Teton Dam we calculated mortality rates of .44 and .25 for 1974 and 1975, respectively. In Teton Canyon we calculated mortality rates of .51 and .54, and in Teton Valley they were .47 and .50 (Table 17). The lower mortality rates below Teton Dam may reflect the effects of a closure to fishing for one mile downstream from the dam. Cutthroat trout were abundant in this area and a large proportion of our sample came from this area.

Annual mortality rates between Teton Canyon and Teton Valley differed little. Limited access and difficulty in fishing the river within the canyon should result in a lesser amount of mortality due to fishing than in the valley which received more fishing. Perhaps natural mortality compensates for the rate of fishing mortality.

Mortality rates of Teton River cutthroat trout were similar to those found for St. Joe River cutthroat by Johnson and Bjornn (1976) after four and five years of a trophy-fish regulation. Cutthroat trout from the St. Joe River had mortality rates of .47 and .56, respectively

Table 17. Age compositions, instantaneous mortality rates and annual survival and mortality rates of cutthroat trout in three areas of the Teton River, 1974 and 1975.

| Area | Year | Fish in each age class | | | | | | | Instantaneous rate of mortality 1/ | Annual survival rate (S) | Annual mortality rate (A) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | I | II | III | IV | V | VI | VII | | | |
| Below Teton Dam | 1974 | 23 | 49 | 95 | 89 | 14 | 0 | 0 | .57 | .56 | .44 |
| | 1975 | 14 | 70 | 280 | 215 | 43 | 0 | 0 | .29 | .75 | .25 |
| Teton Canyon | 1974 | 43 | 60 | 45 | 18 | 10 | 6 | 0 | .71 | .49 | .51 |
| | 1975 | 17 | 88 | 287 | 85 | 43 | 36 | 0 | .76 | .47 | .53 |
| Teton Valley | 1974 | 9 | 47 | 76 | 54 | 17 | 0 | 0 | .63 | .53 | .47 |
| | 1975 | 109 | 206 | 146 | 105 | 27 | 0 | 0 | .70 | .50 | .50 |

1/ Individual weighted ($Z^{15}$).

in 1974 and 1975. These compare closely with the mortality rates found on the Teton River.

## Incidence of Philonema

The incidence of Philonema was 3.0% for all species collected. Rainbow trout had the highest infection rate (12.1%) followed by brook trout (3.2%), cutthroat trout (2.4%), and whitefish (1.0%). We did not find nematodes in either sucker species or the cutthroat x rainbow hybrid (Table 18).

Philonema was found in fish taken from all three river areas, including the tributaries of Teton Valley. Chacko (1975) found that 14 of 19 trout taken from the Canyon and below the dam in 1973 were infected with Philonema. According to Chacko (personal communication) larger fish tended to have a higher rate of infection than smaller fish. The majority of the fish we sampled were smaller than 300 mm.

## Downstream Migrant Trap

We captured seven species of fish in the downstream migrant trap. In decreasing order of abundance they were: dace, Colorado sucker, redside shiner, cutthroat trout, rainbow trout and sculpins. We captured 14 trout, of which 11 were cutthroat or rainbow trout young-of-the-year (Table 19).

Table 18. The number of fish examined from the Teton River and tributaries during 1975, number infected with adult or encysted Philonema agubernaculum and incidence of infection (percentage).

| Species | Number of fish examined | Number of fish infected | Incidence of infection (%) |
|---|---|---|---|
| Prosopium williamsoni | 98 | 1 | 1.0 |
| Salmo clarki | 126 | 3 | 2.4 |
| Salmo gairdneri | 33 | 4 | 12.1 |
| Salvelinas fontinalis | 32 | 1 | 3.2 |
| Catostomus ardens & Catostomus discobolus | 6 | 0 | 0 |
| Cutthroat-rainbow hybrid | 9 | 0 | 0 |
| Total fish | 304 | 9 | 3.0 |

Table 19. Number of fish captured in the downstream migrant trap located one mile below Highway-33 bridge (Teton Valley), August 14, 1975 to October 31, 1975 (74 days).

| Species of fish | Number of fish caught |
|---|---|
| Dace | 7,951 |
| Colorado sucker | 456 |
| Redside shiner | 85 |
| Sculpin | 1 |
| Brook trout | |
| YOY[1/] | 2 |
| Adult | 1 |
| Cutthroat or rainbow trout[2/] | |
| YOY | 10 |
| Adult | - |
| Rainbow trout | |
| YOY | - |
| Adult | 1 |
| Total | 8,507 |

1/ Young-of-the-year
2/ Could not distinguish between the two species.

## Evaluation of Fishery

### Numbers and Distribution of Anglers

We estimate anglers fished 28,000 hours throughout the study area from June 8 to September 20, 1974 (Table 20). During May 24 to September 5, 1975, we estimate anglers fished 32,400 hours. The larger estimate of hours fished during 1975 resulted from a census period which included opening weekend. In 1974, we did not start the project early enough to census opening weekend. Also during 1975, turbulent weather conditions forced cancellation of several weekend day flights early in interval V (August 16 to September 5) and we were forced to make all the afternoon weekend day flights during the Labor Day Holiday when more anglers might have been fishing. Estimates of hours fished for interval V might have been too high because we used the Labor Day weekend counts to estimate hours fished on weekend days for interval V.

Table 20. Estimated number of hours fished in each zone of the Teton River during 1974 and 1975 and 95 percent confidence limits for season totals. Percentage of total hours fished in parentheses.

| Zone | 1974 | 1975 |
|---|---|---|
| North Fork Teton River (1) | 257 (0.9%) | 294 (0.9%) |
| South Fork Teton River (2) | 1,719 (6.1%) | 1,496 (4.6%) |
| Teton Forks to Teton Dam (3) | 3,103 (11.1%) | 3,849 (11.9%) |
| Teton Dam to Linderman's Dam (4) | 2,849 (10.2%) | 4,392 (13.6%) |
| Linderman's Dam to the mouth of Bitch Creek (5) | 602 (2.2%) | 703 (2.2%) |
| Mouth of Bitch Creek to start of canyon area (6) | 780 (2.8%) | 1,648 (5.1%) |
| Upper Teton Valley (7) | 17,464 (62.5%) | 18,097 (55.9%) |
| Bitch Creek (8) | 1,182 (4.2%) | 1,885 (5.8%) |
| Total | 27,956 (100%) | 32,364 (100%) |
| 95% confidence intervals | ± 5% | ± 6% |

During 1974 and 1975 the percentage of hours fished in each zone remained fairly constant (Table 20). Anglers fished 17,500 hours (62% of total) and 18,100 hours (56% of total) in the Upper Teton Valley (Zone 7) during 1974 and 1975, respectively. Easier access and camping areas are two of the reasons a larger percentage of the hours were fished in zone 7.

Despite limited access, anglers fished 3100 hours (10% of total) and 4400 hours (14% of total) from Teton Dam upstream to Linderman's Dam (zone 4) during 1974 and 1975, respectively (Table 20). During 1974 closure of the access at Teton Dam on Sundays reduced angler use within zone 4. In 1975 the Bureau of Reclamation kept the access at Teton Dam open all week, which partially explains the increased angler hours in zone 4 during 1975.

The canyon and valley area immediately below Teton Dam (zone 3) was fished mostly by anglers floating in boats. We estimated anglers fished 3100 and 3800 hours during 1974 and 1975, respectively (Table 20).

Despite good access to the North and South Forks of the Teton River, (zones 1 and 2, respectively) few anglers fished in these zones during 1974 and 1975 (Table 20). Much of the lower North and South Forks of the Teton River were dewatered late in the summer by irrigation diversions. These areas were also open to fishing all year which may have influenced angler use during the summer.

In the Teton Canyon upstream from Linderman's Dam (zones 5 and 6) and in Bitch Creek (zone 8) limited access and steep canyon areas restricted angler use (Table 20).

We calculated 95% confidence intervals for the estimates of hours fished for each zone (Figure 28). The narrowest confidence intervals (±8%) occurred in the Upper Teton Valley (zone 7) where most fishing occurred and the counts of anglers did not fluctuate widely. The widest confidence intervals (±40% to ±27%) occurred in the North Fork of the Teton River (zone 1), an area few people fished and counts of anglers varied widely.

Most anglers fished from mid-July through the Labor Day Holiday during 1974 and 1975 (Table 21). Peak runoff flows occurred the third week in June, 1974 and the first week in July, 1975. During these high flow periods few people fished. During 1975, the later runoff along with bad weather curtailed fishing effort until late in July. In 1974 the hours fished dropped sharply after Labor Day (Table 21). Although we did not conduct aerial flights after September 5 during 1975, we observed continued high numbers of anglers in the Upper Teton Valley (zone 7) through the third week in September.

## Catch and Catch Rates

Anglers caught an estimated 38,400 and 47,100 game fish during the census periods of 1974 and 1975, respectively (Tables 22 and 23). We estimate anglers caught 14,900 cutthroat trout, 12,100 brook trout, 10,600 rainbow trout and 800 whitefish during 1974. Calculated 95% confidence intervals for total catch were ±5% for both 1974 and 1975 (Table 24). Confidence intervals varied between zones from ±10% to ±41% in 1974 and ±9% to ±54% in 1975. In 1975, species composition of the angler's catch changed significantly. Anglers caught fewer cutthroat trout, brook trout and whitefish in 1975 than in 1974. Cutthroat trout comprised 39% of the catch in 1974 but only 29% in 1975. The decreased catch of cutthroat trout occurred in all zones (1 - 8, excluding zone 7) despite increased fishing effort (Tables 22 and 23). Anglers caught twice as many rainbow trout in 1975 as in 1974.

During 1974 cutthroat trout represented 89% of all fish examined in angler catch downstream from Teton Dam (zones 1-2-3) (Figure 29). In 1975, cutthroat trout comprised (55%) and rainbow trout (42%) of the fish we examined in angler's catches. We recorded more hatchery-reared rainbow trout downstream from Teton Dam in our electrofishing catches during 1975 compared to 1974 but only 2% of all creeled fish we examined appeared to be of hatchery origin.

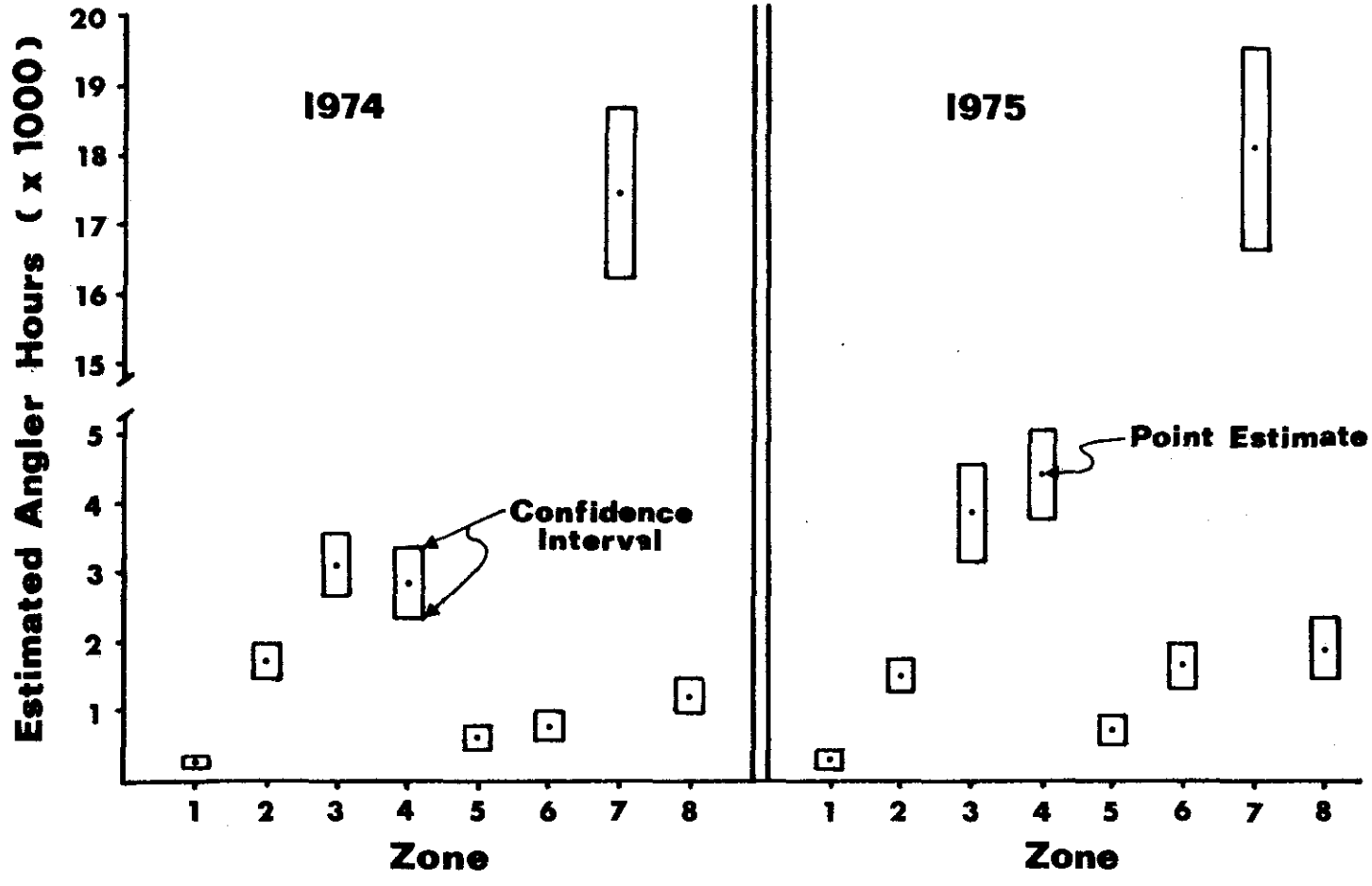



Figure 28. Estimated number of hours fished and 95% confidence limits for the Teton River fishery during June 8 - September 20, 1974 and May 24 - September 5, 1975.

Table 21. Estimated number of hours fished for each 21 day interval during 1974 and 1975. Percentage of total hours fished during season in parentheses.

| 1974 | | 1975 | |
|---|---|---|---|
| Interval | Hours fished | Interval | Hours fished |
| June 8-<br>June 28 (I) | 1,214 (4.3%) | May 24-<br>June 13 (I) | 4,364 (13.5%) |
| June 29-<br>July 19 (II) | 3,747 (13.4%) | June 14-<br>July 4 (II) | 2,242 (6.9%) |
| July 20-<br>August 9 (III) | 9,583 (34.3%) | July 5-<br>July 25 (III) | 1,990 (6.1%) |
| August 10-<br>August 30 (IV) | 9,239 (33.0%) | July 26-<br>August 15 (IV) | 11,523 (35.6%) |
| August 31-<br>September 20 (V) | 4,173 (14.9%) | August 16-<br>September 5 (V) | 12,245 (37.8%) |
| Total | 27,956 (100%) | | 32,364 (100%) |

In the Teton Canyon upstream from Teton Dam (zones 4-5-6) anglers creeled mostly rainbow trout in 1974 (50%) and 1975 (60%) (Figure 30). During 1975 anglers caught a large number of rainbow trout up to 20 inches long from the small pool upstream from the partially completed Dam (within zone 4). Few anglers fished the pool in 1974 because of restricted access. Hatchery rainbow trout caught from the canyon areas (zones 4-5-6) came mainly from the upper section of zone 6 after they drifted down from the Upper Teton Valley. Cutthroat trout comprised (35%) of the fish caught in Teton Canyon during 1974 and 1975 and most were caught from the section between Teton Dam and Linderman's Dam.

Brook trout comprised 45% and 37% of the total catch during 1974 and 1975, respectively, from the Upper Teton Valley (zone 7) (Figure 31). Anglers caught more rainbow trout from the river in zone 7 during 1975 than 1974. Fifty-five percent of the rainbow trout were wild and 45% of hatchery origins in 1975. We did not distinguish between hatchery and wild rainbow trout in 1974. Similar numbers of hatchery-raised rainbows trout were released during 1974 and 1975 according to Idaho Fish and Game Department records, but hatchery rainbow trout made up 54% of our electrofishing catch of rainbow trout from zone 7 during 1975 versus 41% in 1974. Cutthroat trout comprised the smallest percentage of trout caught from the Upper Teton Valley during 1974 and 1975.

Table 22. Estimated hours fished, catch and catch rate on the Teton River, June 8 to September 20, 1974.

| Zone | Angler hours | Catch rate | Numbers caught (percentage in parentheses) | | | | |
|---|---|---|---|---|---|---|---|
| | | | Cutthroat trout | Brook trout | Rainbow trout | Whitefish | Total |
| Below Teton Dam including forks (1-2-3) | 5,079 | 1.15 | 5,315 (91) | 175 (3) | 234 (4) | 117 (2) | 5,841 |
| Teton Canyon upstream from Teton Dam (4-5-6) | 4,231 | 1.40 | 3,317 (56) | 474 (8) | 2,133 (36) | 0 (0) | 5,924 |
| Upper Teton Valley (7) | 17,464 | 1.44 | 5,419 (21) | 11,422 (45) | 7,959 (31) | 642 (3) | 25,442 |
| June 8-June 28 | 1,048 | .77 | 73 (9) | 549 (68) | 169 (21) | 16 (2) | 807 |
| June 29-July 19 | 2,098 | 1.39 | 816 (28) | 1,108 (38) | 933 (32) | 58 (2) | 2,916 |
| July 20-Aug. 9 | 6,086 | 1.86 | 2,717 (24) | 5,207 (46) | 3,056 (27) | 340 (3) | 11,320 |
| Aug. 10-Aug. 30 | 5,651 | 1.48 | 1,589 (19) | 3,763 (45) | 2,843 (34) | 167 (2) | 8,363 |
| Aug. 31-Sept. 20 | 2,581 | .79 | 224 (11) | 795 (39) | 958 (47) | 61 (3) | 2,039 |
| Bitch Creek (8) | 1,184 | 1.01 | 885 (74) | 72 (6) | 239 (20) | 0 (0) | 1,196 |
| Totals | 27,958 | 1.41 | 14,936 (39) | 12,143 (31) | 10,565 (28) | 759 (2) | 38,403 |

Table 23. Estimated hours fished, catch and catch rate on the Teton River, May 24 to September 5, 1975.

| Zone | Angler hours | Catch rate | Numbers caught (percentage in parentheses) | | | | |
|---|---|---|---|---|---|---|---|
| | | | Cutthroat trout | Brook trout | Rainbow trout | Whitefish | Total |
| Below Teton Dam including forks (1-2-3) | 5,639 | 1.08 | 3,472 (57) | 61 (1) | 2,436 (40) | 122 (2) | 6,091 |
| Teton Canyon upstream from Teton Dam (4-5-6) | 6,743 | 1.24 | 2,592 (31) | 752 (9) | 4,933 (59) | 84 (1) | 8,361 |
| Upper Teton Valley (7) | 18,097 | 1.50 | 6,223 (22) | 9,766 (34) | 12,494 (43) | 404 (1) | 28,887 |
| May 24-June 13 | 2,621 | 1.11 | 524 (18) | 1,542 (53) | 815 (28) | 29 (1) | 2,909 |
| June 14-July 4 | 1,269 | 1.73 | 285 (13) | 966 (44) | 922 (42) | 22 (1) | 2,195 |
| July 5-July 25 | 1,429 | 1.24 | 478 (27) | 425 (24) | 833 (47) | 35 (2) | 1,772 |
| July 26-Aug. 15 | 6,003 | 2.03 | 3,168 (26) | 2,803 (23) | 6,093 (50) | 122 (1) | 12,186 |
| Aug. 16-Sept. 5 | 6,775 | 1.45 | 1,768 (18) | 4,028 (41) | 3,831 (39) | 196 (2) | 9,824 |
| Bitch Creek (8) | 1,886 | 2.02 | 1,257 (33) | 38 (1) | 2,514 (66) | | 3,809 |
| Totals | 32,365 | 1.45 | 13,544 (29) | 10,617 (23) | 22,377 (47) | 610 (1) | 47,148 |

Table 24. Estimated number of fish caught and 95% confidence limits for the Teton River fishery during June 8-September 20, 1974 and May 24-September 5, 1975.

| Zone | 1974 | | 1975 | |
|---|---|---|---|---|
| | Estimated catch | 95% confidence limits | Estimated catch | 95% confidence limits |
| Below Teton Dam (1-2-3) | 5,841 | ± 38% | 6,091 | ± 54% |
| Teton Canyon upstream from Teton Dam (4-5-6) | 5,924 | ± 31% | 8,361 | ± 16% |
| Upper Teton Valley (7) | 25,442 | ± 10% | 28,887 | ± 9% |
| Bitch Creek (8) | 1,196 | ± 41% | 3,809 | ± 25% |
| Season totals | 38,403 | ± 5% | 47,148 | ± 5% |

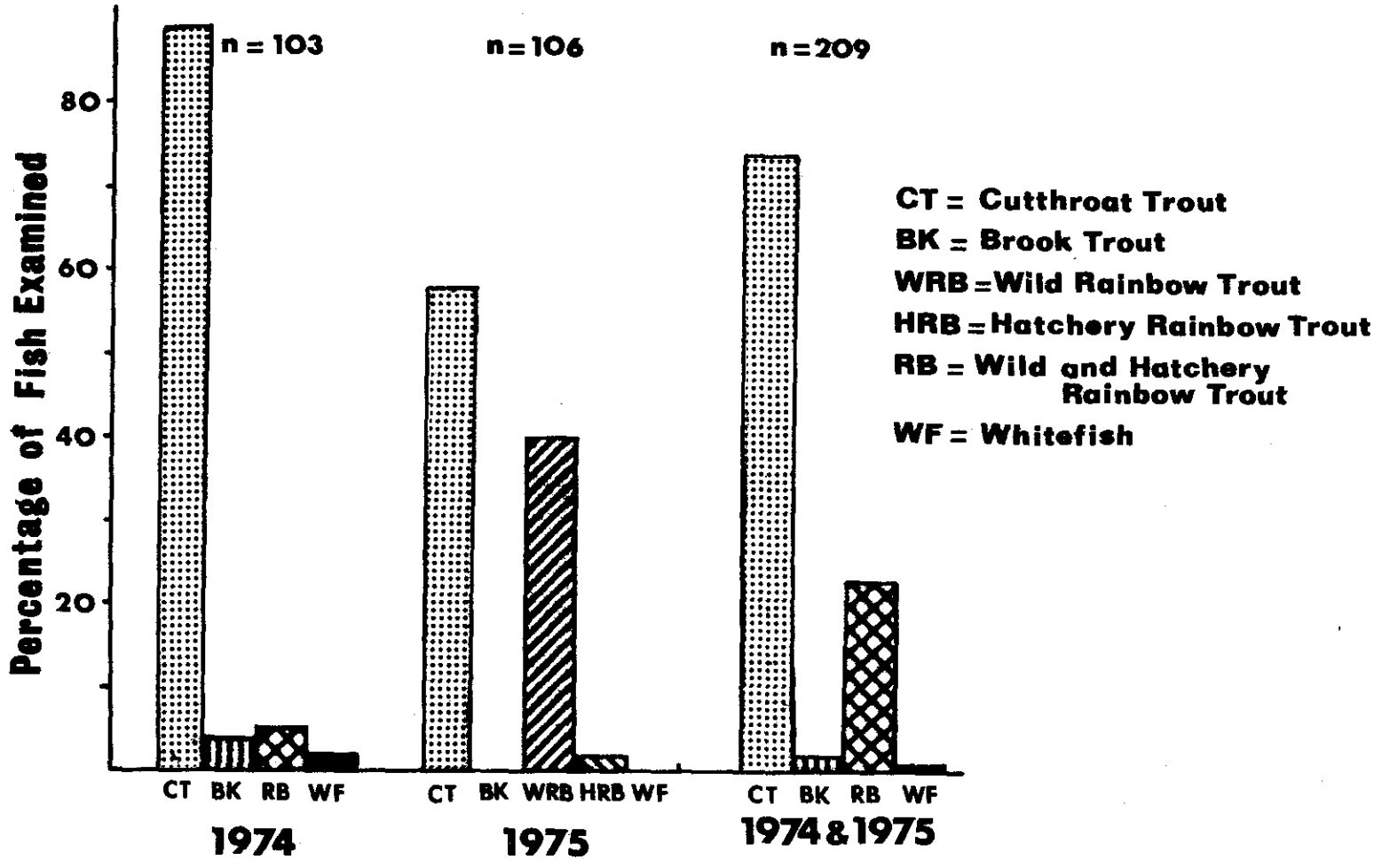



Figure 29. Relative abundance of game fish creeled by anglers fishing below Teton Dam (zones 1-2-3), during 1974 and 1975. During 1974, no distinction was made between hatchery and wild rainbow trout.

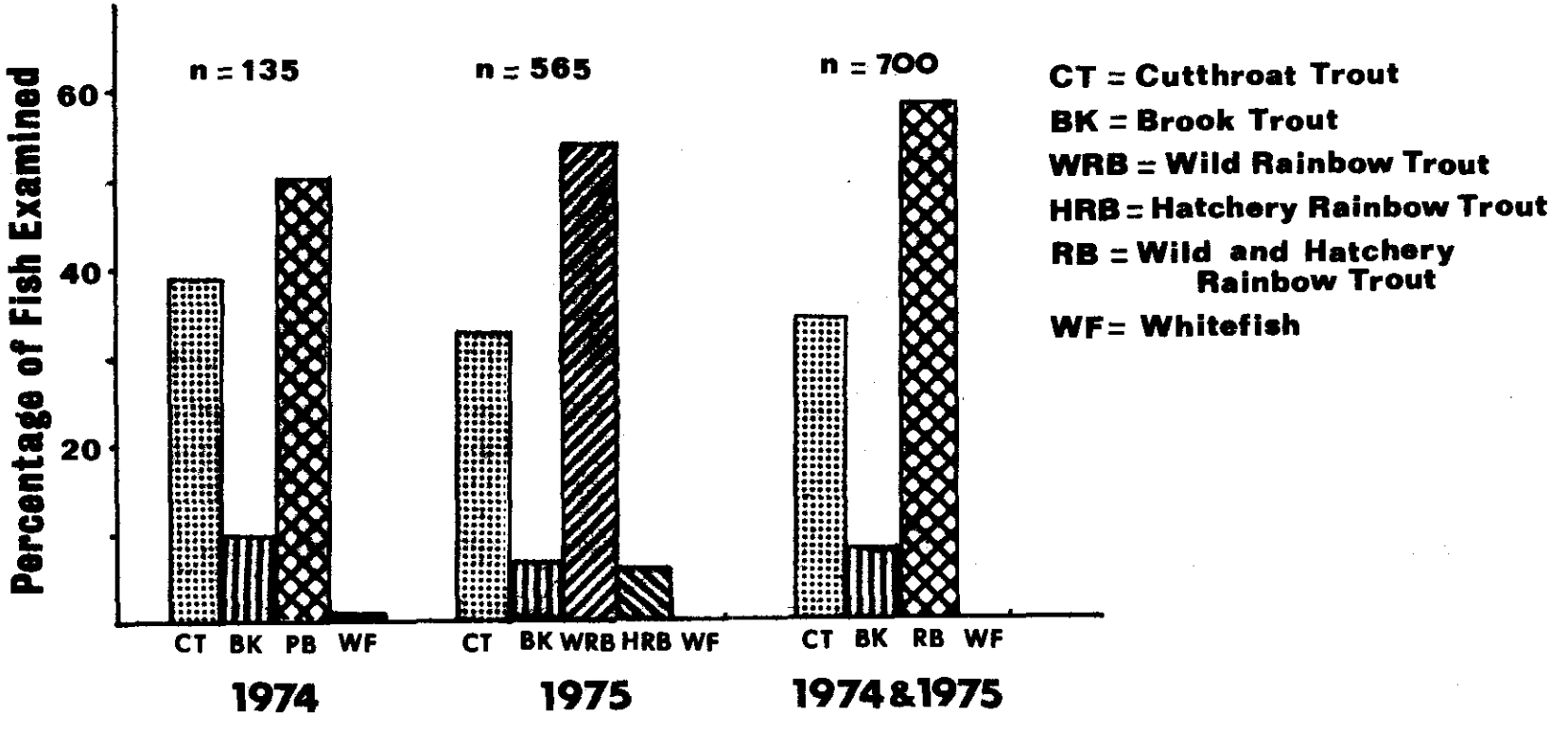



Figure 30. Relative abundance of game fish creeled by anglers fishing in the Teton Canyon upstream from Teton Dam (zones 4-5-6), during 1974 and 1975. During 1974, no distinction was made between hatchery and wild rainbow trout.

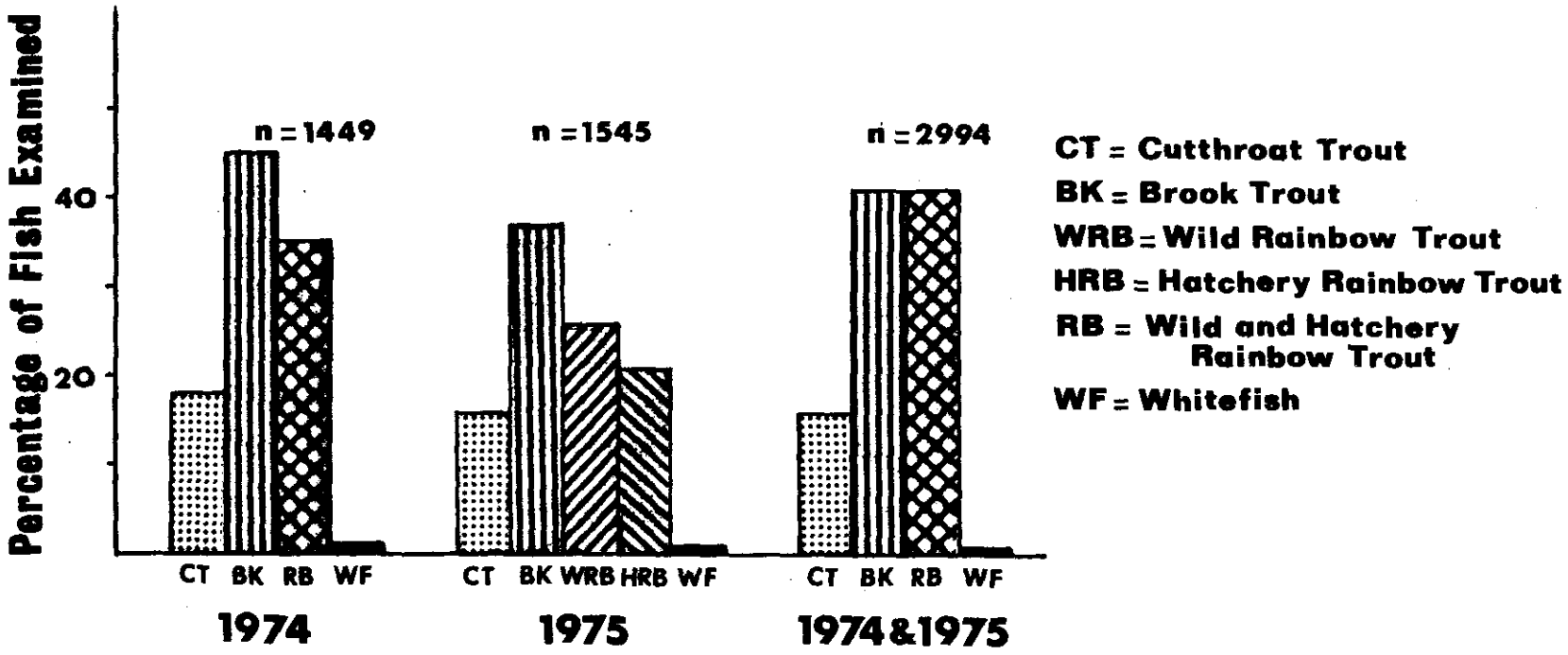



Figure 31. Relative abundance of game fish creeled by anglers fishing in the upper Teton Valley (zone 7), during 1974 and 1975. During 1974, no distinction was made between hatchery and wild rainbow trout.

Anglers caught mostly cutthroat trout (71%) from Bitch Creek (zone 8) during 1974 (Figure 32). In 1975 rainbow trout of hatchery origin dominated the catch (63% of total). The Idaho Fish and Game Department released 800 rainbow trout in Bitch Creek in 1974 and 3500 in 1975 (per. comm. Paul Jeppson, Regional Fisheries Manager, Region 6, Idaho Department of Fish and Game). Anglers fishing Bitch Creek congregated near the Highway-32 bridge over Bitch Creek in 1975, the only release site.

In all the zones of the Teton River (zone 1 through 7) whitefish dominated the catch in our electrofishing samples (Figure 12). Few Teton River fishermen specifically fished for whitefish in the river and few whitefish were harvested. In Bitch Creek (zone 8) we only found whitefish in upper snorkeling transects where few anglers fished.

Anglers we contacted released 39% of all game fish they caught in 1974 and 31% in 1975 (Table 25). Based on the estimated total catches of 38,400 and 47,100 game fish during 1974 and 1975, respectively, anglers released an estimated 15,000 fish in 1974 and 14,600 fish in 1975. Aside from whitefish, anglers released a larger percentage of cutthroat trout caught than other species during 1974 and 1975.

Anglers we contracted averaged 1.41 fish per hour in 1974 and 1.45 fish per hour in 1975 throughout the study area (Tables 22 and 23). In Teton Valley (zone 7) anglers caught 1.44 and 1.50 fish per hour in 1974 and 1975, respectively. The larger catch rate in Bitch Creek during 1975 was due largely to the catch of hatchery-reared rainbow trout near the Highway-32 bridge.

Size of Fish in Catch

Cutthroat trout caught by fishermen averaged 266 mm in total length in all study zones compared to 288 mm for brook trout and 256 mm for rainbow trout. The mean total lengths of fish collected with electro-shocking gear were 241 mm for cutthroat trout, 203 mm for brook trout and 245 mm for rainbow trout.

Mean lengths of cutthroat trout caught by anglers varied from 252 mm in Bitch Creek (Figure 36) to 277 mm in Teton Canyon zones (zone 4-5-6) (Figure 33). Creeled Cutthroat trout averaged 266 mm in Teton Valley and 255 mm downstream from Teton Dam.

Brook trout averaged 228 mm total length in the Teton Valley and 230 mm in Teton Canyon (Figure 34). Anglers caught only a few amall brook trout in Bitch Creek and downstream from Teton Dam.

Rainbow trout caught by anglers ranged from a mean of 238 mm downstream from Teton Dam to 283 mm in the Teton Canyon (Figure 35). The larger average size of rainbow trout in Teton Canyon was influenced by the catch of rainbow trout up to 20 inches from the small pool formed behind the partially completed Teton Dam during 1975. Rainbows caught in Teton Valley averaged 246 mm total length. Rainbow trout caught in

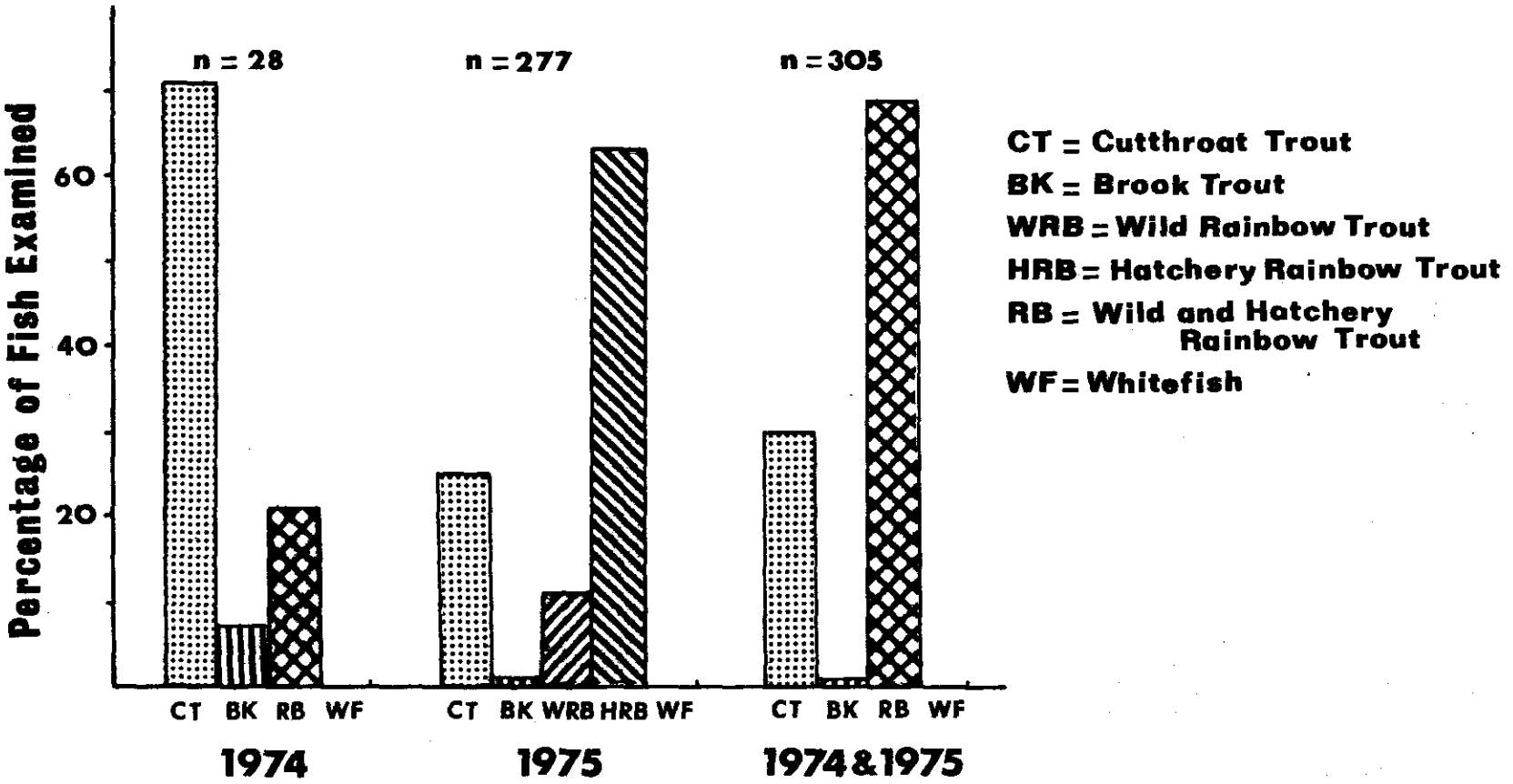



Figure 32. Relative abundance of game fish creeled by anglers fishing in Bitch Creek (zone 8), during 1974 and 1975. During 1974 no distinction was made between hatchery and wild rainbow trout.

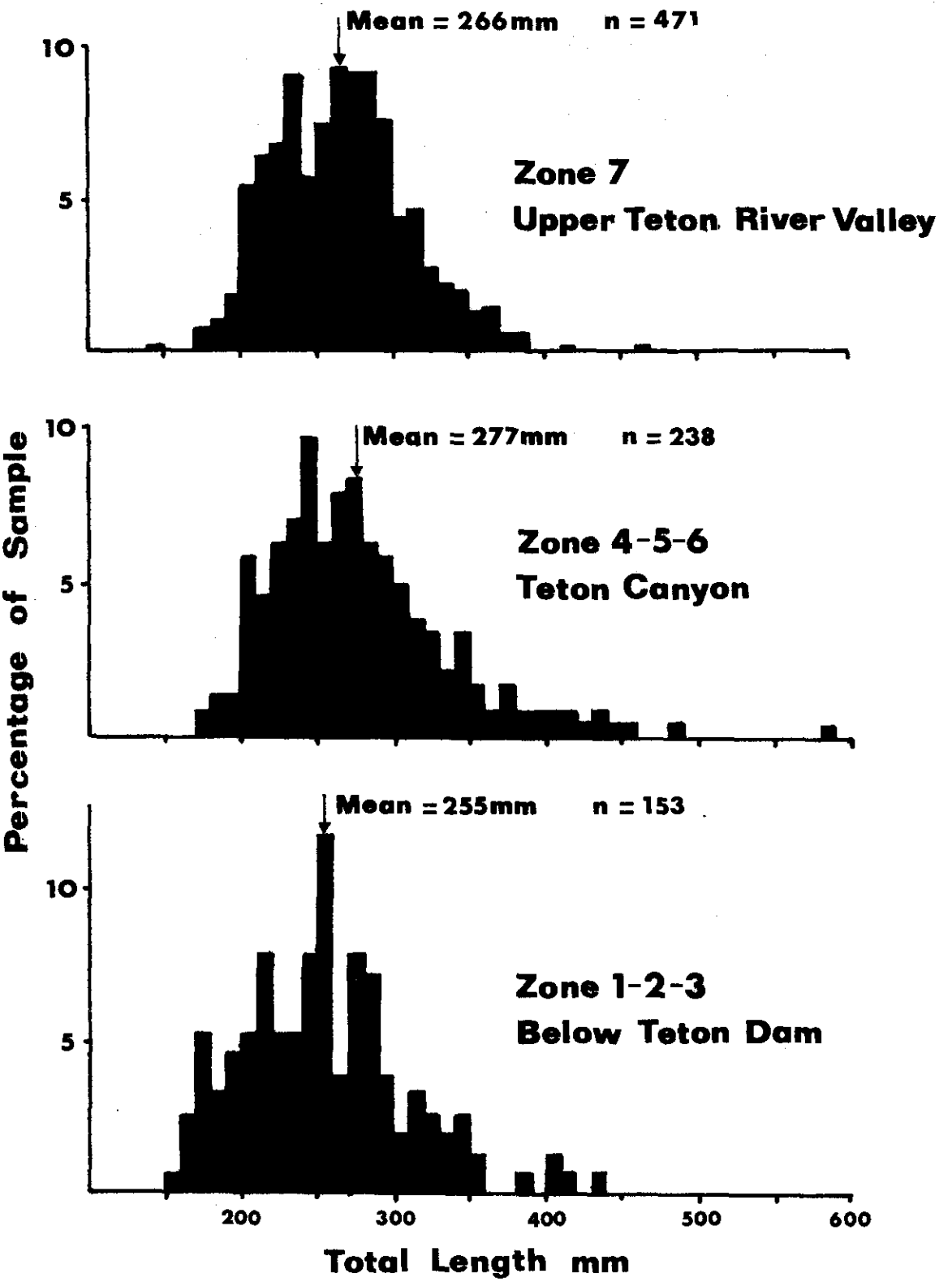



Figure 33. Length-frequencies of cutthroat trout creeled by anglers in Teton River zones during 1974 and 1975 census intervals.

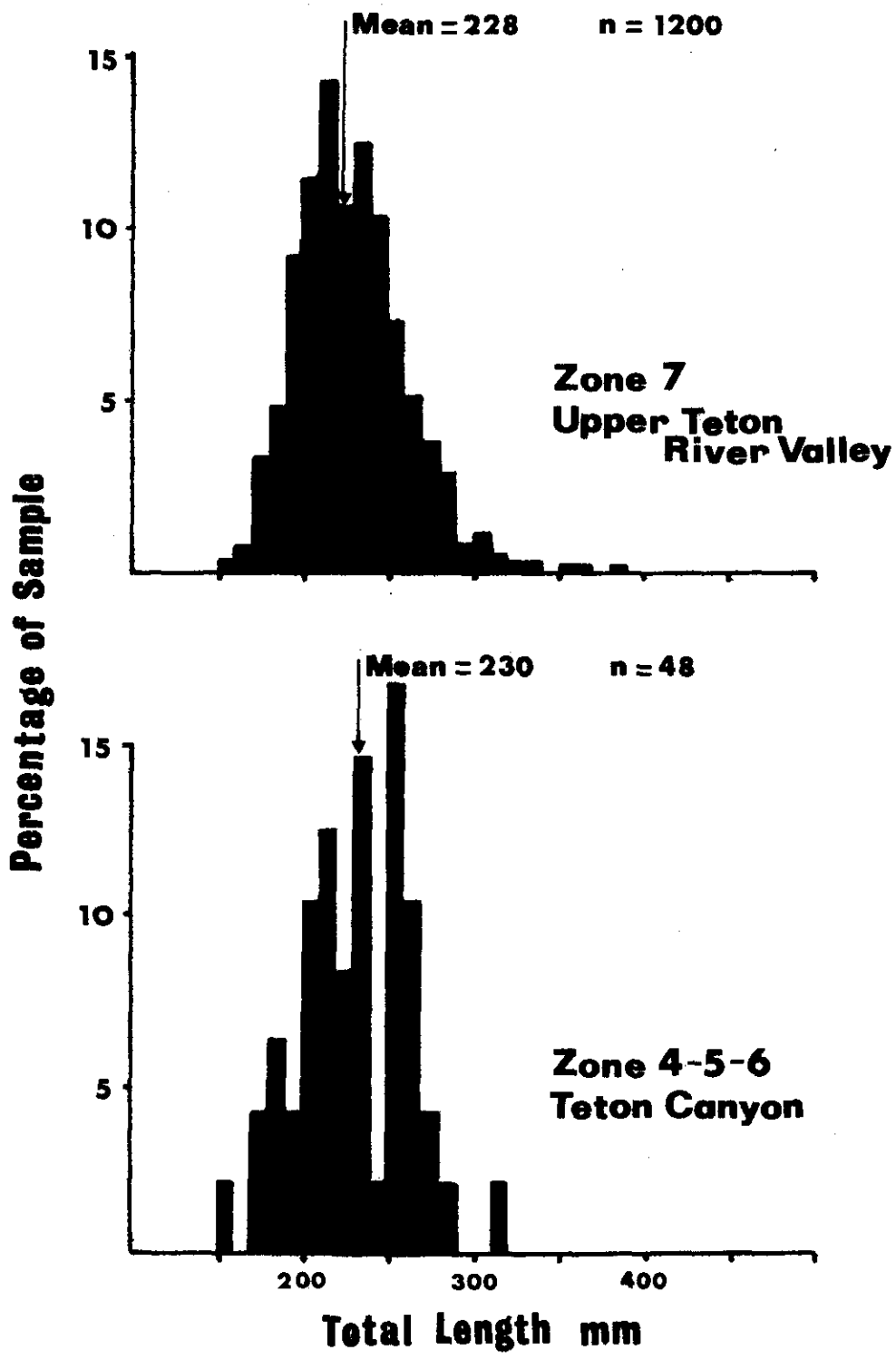



Figure 34. Length-frequencies of brook trout creeled by anglers in Teton River Canyon and Upper Teton River Valley during 1974 and 1975 census intervals.

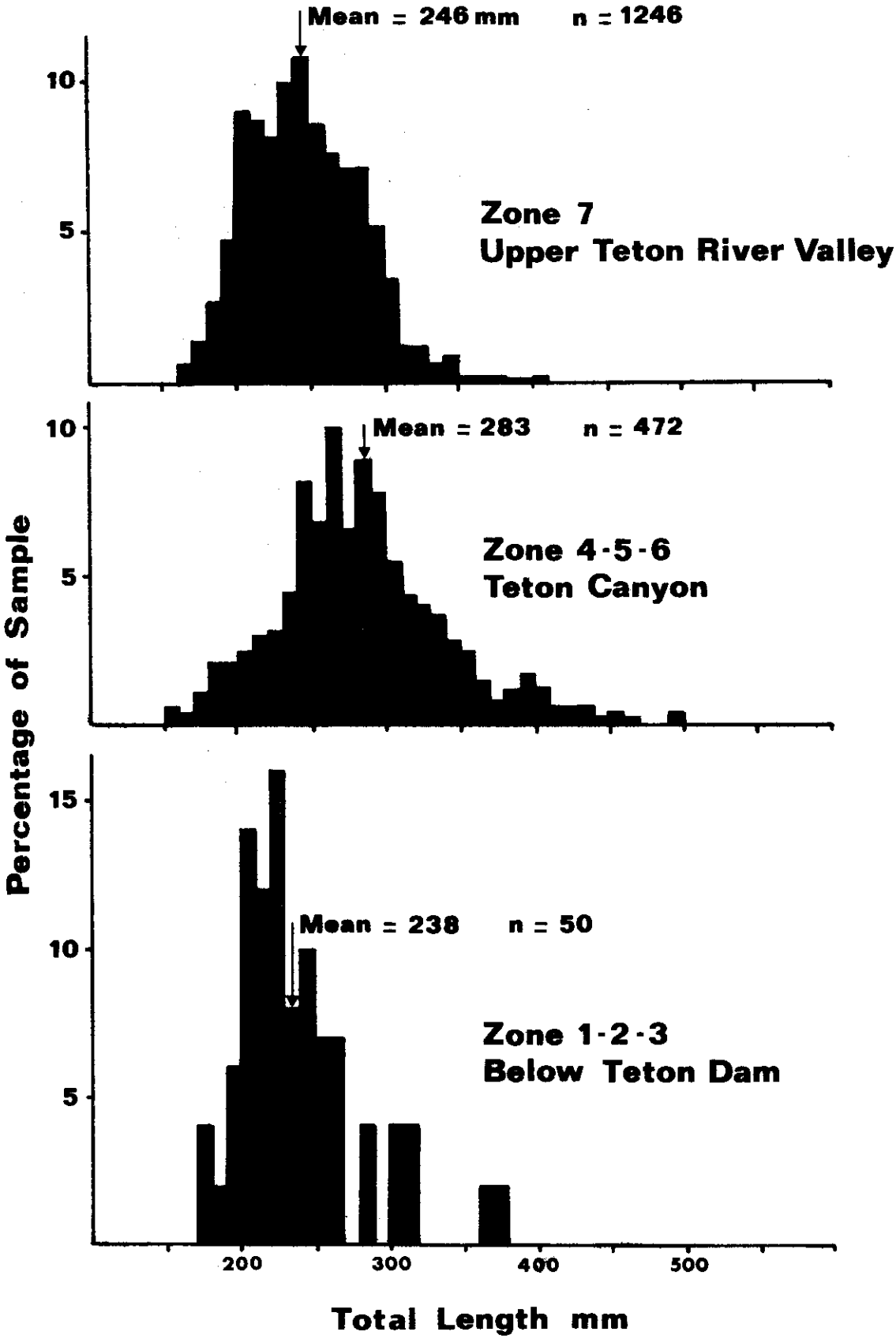



Figure 35. Length-frequencies of wild and hatchery rainbow creeled by anglers in the Teton River zones during 1974 and 1975 census intervals.

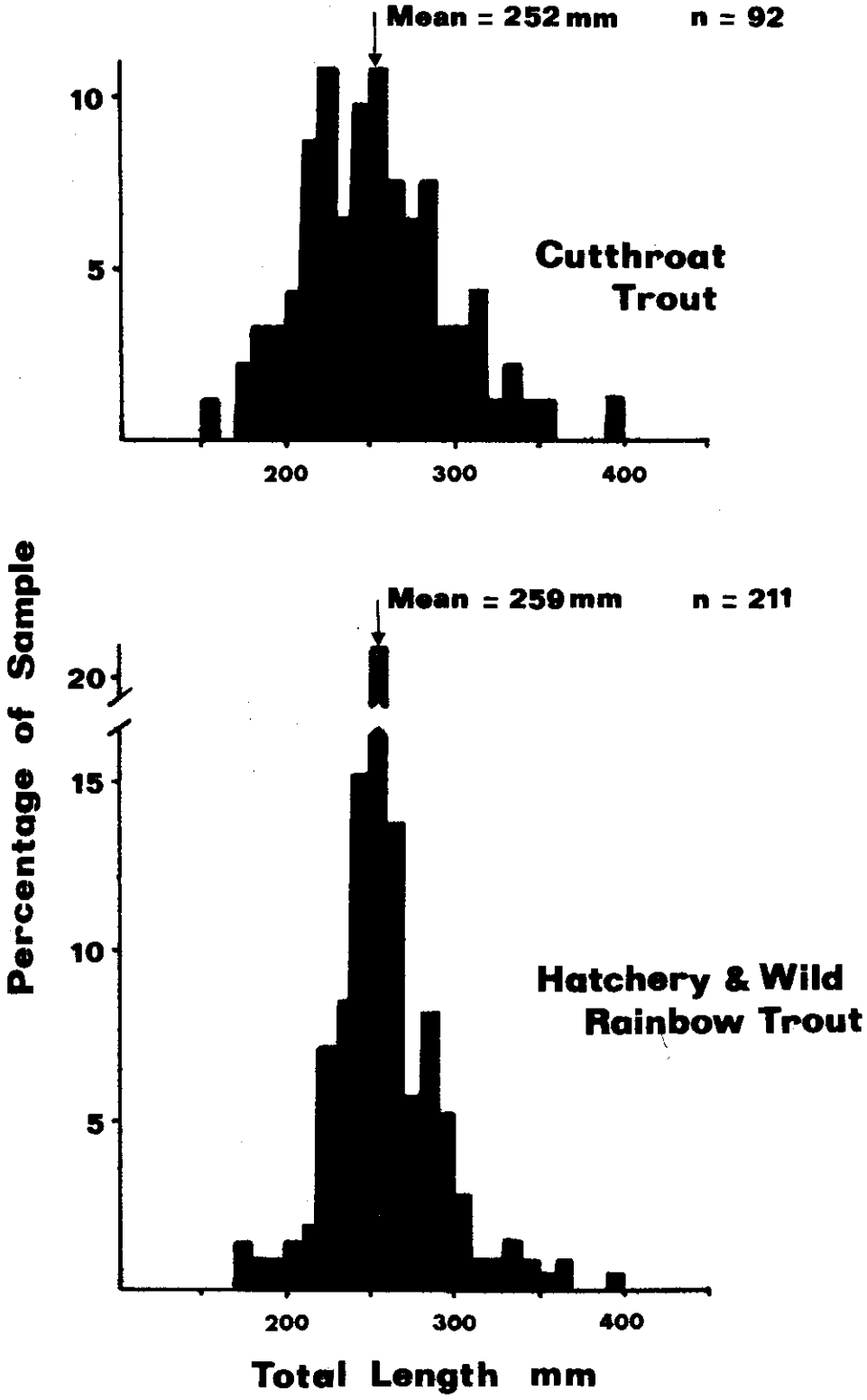



Figure 36. Length-frequencies of trout creeled by anglers in Bitch Creek during 1974 and 1975 census intervals.

Table 25. Percentages of fish creeled and fish released by anglers during 1974 and 1975.

| Zone | 1974 | | 1975 | |
|---|---|---|---|---|
| | Fish creeled | Fish released | Fish creeled | Fish released |
| Below Teton Dam (1-2-3) | 87 | 13 | 92 | 8 |
| Teton Canyon above Teton Dam (4-5-6) | 38 | 62 | 73 | 27 |
| Upper Teton Valley (7) | 63 | 37 | 66 | 34 |
| Bitch Creek (8) | 80 | 20 | 73 | 27 |
| Totals | 61 | 39 | 69 | 31 |

Bitch Creek averaged 258 mm. Smaller mean lengths of rainbow trout caught in Teton Valley and Bitch Creek result in part from the large catches of uniform sized hatchery trout.

## Angling Gear

We recorded the type of angling gear used by 941 anglers in 1974 and 990 anglers in 1975. Forty-nine percent of the anglers checked in 1974 used bait, 37% used artificial flies and 14% used lures (Figure 32). During 1975, we found bait used by 68%, artificial flies used by 22% and lures used by 10% of the anglers. A larger percentage of anglers fished with flies in Bitch Creek than in other zones (Figure 37). Gordon et.al. (1970) found that a majority of Idaho anglers preferred to fish with bait over other types of terminal gear when fishing streams.

More anglers used bait early in the season when water levels were high. As water levels receded and water clarity improved, a larger percentage of the anglers used flies.

## Age Structure and Mortality of Harvested Cutthroat Trout

Cutthroat trout recruited to the sport fishery at age II in all zones of the Teton River. Complete recruitment occurs at age III. Annual mortality rates calculated from the age distribution of fish in the 1974 catch were .69, .43, and .73 in zones 3, 4 and 5, and 7, respectively (Table 26). Mortality rates from the 1975 catch were .69, .62 and .62 for zones 3, 4 and 5, and 7, respectively.

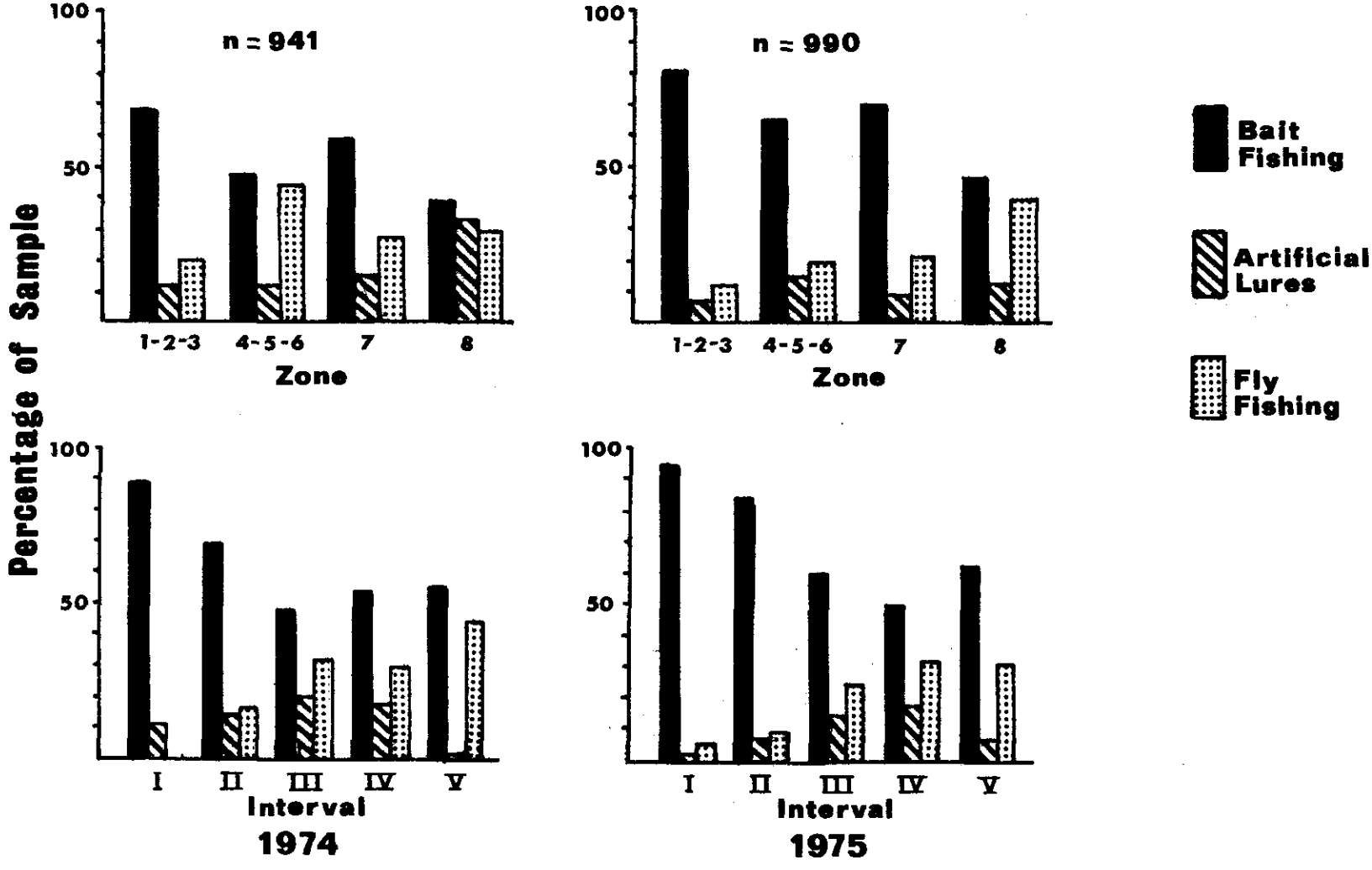



Figure 37. The percentage of Teton River anglers interviewed fishing with bait, artificial lures, and flies by interval and by zone during 1974 and 1975.

Table 26. Instantaneous mortality rates (Z), annual survival rates (S) and annual mortality rates (A) based on cutthroat trout caught from three sections of the Teton River during 1974 and 1975.

| Zone | 1974 | | | 1975 | | |
|---|---|---|---|---|---|---|
| | Z | S | A | Z | S | A |
| Teton Forks to Teton Dam (3) | 1.18 | .31 | .69 | 1.16 | .31 | .69 |
| Teton Dam to Bitch Creek (4 & 5) | .57 | .57 | .43 | .96 | .38 | .62 |
| Upper Teton Valley (7) | 1.32 | .27 | .73 | .98 | .38 | .62 |

Rankel (1971) found cutthroat trout were easily exploited by fishing and populations of west slope cutthroat had declined because of over-exploitation (annual mortality rates up to .80). Our annual mortality rate estimates differ little between zones. The cutthroat mortality rates were relatively high, but may not constitute over-exploitation in the Teton River which is more productive than the streams of northern Idaho with west slope cutthroat trout.

## Angler Interviews

We contacted 1,971 Teton River anglers and interviewed 1,105 (56%) during 1974 and 1975. We recorded the residence of all anglers contacted during 1974 and 1975 (Table 27). Seventy-eight percent of all anglers were Idaho residents and 22% non-residents. Eighty-four percent of the residents lived in counties within 50 miles of the Teton River Valley. Most out-of-state anglers came from Utah or California, with 32 states represented. Anglers who fished the Teton canyon represented 20% (244 anglers) of all interviewed.

The results of the interviews are listed below in the order we presented the questions to the anglers.

Question 1: What is your occupation?

We categorized the occupations of anglers interviewed as follows: clerical and sales; craftsmen, such as carpenters, masonry, plumbers, etc.; farmers; government employees, including local, state and federal; housewife; general labor, or blue collar workers not classified as craftsmen; managerial; professional, such as doctors, lawyers, etc.; retired; small business; and students. Professionals, blue collar workers (including craftsmen and general laborers) and retired persons made up the majority of anglers interviewed (Table 28).

Table 27. Residence of Teton River anglers interviewed during 1974 and 1975. Residents listed alphabetically by county within Idaho and non-residents listed by state.

| Idaho residents | | Non-residents | |
|---|---|---|---|
| County | Number | State | Number |
| Ada | 35 | Alaska | 2 |
| Bannock | 138 | Arizona | 17 |
| Bingham* | 48 | California | 123 |
| Blaine | 6 | Colorado | 13 |
| Bonneville* | 350 | Connecticut | 7 |
| Canyon | 4 | Florida | 3 |
| Caribou | 3 | Georgia | 5 |
| Cassia | 7 | Hawaii | 4 |
| Clark | 2 | Illinois | 12 |
| Franklin | 1 | Kansas | 1 |
| Fremont* | 69 | Kentucky | 5 |
| Gem | 3 | Maine | 2 |
| Jefferson* | 16 | Maryland | 3 |
| Jerome | 2 | Massachusetts | 3 |
| Kootenai | 4 | Michigan | 5 |
| Latah | 9 | Missouri | 5 |
| Lemhi | 10 | Nebraska | 5 |
| Madison* | 307 | Nevada | 3 |
| Minidoka | 1 | New Mexico | 5 |
| Owyhee | 1 | New York | 6 |
| Power | 8 | Ohio | 9 |
| Teton* | 302 | Oklahoma | 1 |
| Twin Falls | 5 | Oregon | 13 |
| | | Pennsylvania | 4 |
| | | Tennessee | 2 |
| | | Texas | 16 |
| | | Utah | 113 |
| | | Virginia | 3 |
| | | Washington | 19 |
| | | Washington, D.C. | 4 |
| | | Wisconsin | 1 |
| | | Wyoming | 18 |
| Total residents: | 1533 | Total non-residents: | 432 |
| Percentage of total | 78 | Percentage of total | 22 |

*Counties within 50 miles of Teton Valley.

Table 28. Occupations of Teton River anglers interviewed during 1974 and 1975. Percentage of total listed in parentheses.

| Occupation | Number | Occupation | Number |
|---|---|---|---|
| Clerical and sales | 70 (6.5) | Managerial | 46 (4.3) |
| Craftsmen | 124 (11.5) | Professional | 195 (18.1) |
| Farmer | 77 (7.2) | Retired | 137 (12.7) |
| Gov't employee | 42 (3.9) | Small business | 40 (3.7) |
| Housewife | 82 (7.6) | Student | 80 (7.4) |
| General laborer | 183 (17.0) | | |

Question 2: Anglers age, as estimated by census clerk.

Census clerks categorized anglers interviewed by four age classes: 15 to 20, 20 to 40, 40 to 60 and 60 or older. We estimated 3.2%, 43.0%, 40.4% and 13.6% of the anglers interviewed were 15 to 20, 20 to 40, 40 to 60 and 60 years old or older, respectively. The small percentage of young people was partly due to our decision not to interview people less than 15 years of age.

Question 3: Sex of anglers.

In the entire Teton River sample, male anglers out numbered female anglers 6:1 (Table 29). Gordon et.al. (1970) listed a 4:1 male to female ratio for all anglers who responded to his questionnaire. We found little difference between the sex of resident and non-resident anglers.

Table 29. Percentage of males and females interviewed, by entire sample and residence, during 1974 and 1975.

| Sex | Entire sample | Resident | Non-resident |
|---|---|---|---|
| Male | 86 | 85 | 87 |
| Female | 14 | 15 | 13 |
| Anglers interviewed | 1105 | 848 | 257 |

Question 4: Do you have any preference of fishing as to streams versus reservoirs?

Sixty-eight percent of the entire sample preferred stream fishing compared to 10% preferring lake or reservoir fishing (Table 30). More non-residents than residents preferred stream fishing. Canyon users and canyon non-users had similar preferences. Interviewing stream fishermen obviously adds bias to the preference for stream fishing, yet Gordon et.al. (1970) showed 44% of all Idaho anglers preferred to fish streams for salmonids and 21% preferred to fish lakes or reservoirs.

Table 30. Percentages of Teton River angler preferences regarding stream versus lake and reservoir fishing, by entire sample, residence and canyon user group, during 1974 and 1975.

| | Anglers interviewed | Fishing preference (%) | | |
|---|---|---|---|---|
| | | Streams | Lakes or reservoirs | No preference |
| Entire sample | 1105 | 68 | 10 | 22 |
| Residents | 848 | 66 | 10 | 24 |
| Non-residents | 257 | 76 | 8 | 16 |
| Canyon users | 224 | 71 | 9 | 20 |
| Non-users | 881 | 68 | 10 | 23 |

Question 5: How many days did you fish the Teton River during the previous year?

Many fishermen had not fished the Teton River at all during the previous year (Table 31). Most of the non-resident anglers were fishing the Teton River for the first time ever when interviewed. Most people who had fished the Teton River 20 times or more within a year period resided in communities in the Teton River Valley.

Table 31. Percentages of days fished by anglers on the Teton River during the previous year, by entire sample and residence, during 1974 and 1975.

| | Anglers interviewed | Days fished previous year (%) | | | | | |
|---|---|---|---|---|---|---|---|
| | | 0 | 1-5 | 6-10 | 11-20 | 21-50 | 51+ |
| Entire sample | 1105 | 46 | 30 | 11 | 8 | 4 | 1 |
| Residents | 848 | 40 | 32 | 13 | 9 | 5 | 1 |
| Non-residents | 257 | 68 | 21 | 8 | 2 | 1 | 0 |

Question 6: If you fished the Teton River last year, what parts of the stream did you fish most often?

Of all anglers interviewed, 76% fished most often in the valley areas of the Teton River, including the upper Teton Valley (zone 7) and the valley area downstream from Teton Dam (zones 1, 2 and 3) (Table 32). From our flight census we estimated 74% of all fishing occurred in the valley areas. Anglers fished tributaries and canyon areas equally. Easier access, better camping facilities and proximity to populations centers are reasons for more use of the valley areas. Non-resident anglers fished most often in the valley areas.

Table 32. Percentages of Teton River anglers who fished most often in valley, canyon or tributary areas, by entire sample, residence and canyon user group, during the year prior to time of interview.

| | Anglers interviewed | Area fished most often (%) | | |
|---|---|---|---|---|
| | | Valley | Canyon | Tributaries |
| Entire sample | 630 | 76 | 12 | 12 |
| Residents | 547 | 74 | 14 | 12 |
| Non-residents | 83 | 92 | 1 | 7 |
| Canyon users | 175 | 43 | 43 | 13 |
| Non-users | 355 | 86 | 0 | 14 |

Question 7: If you fished in the canyon areas last year did you walk or float?

Most anglers walked into the Teton Canyon to fish (Table 33). Limited access points and steep terrain discouraged some boat usage. No difference occurred between resident and non-resident responses.

Table 33. Percentages of Teton River anglers who walked or floated while fishing the Teton canyon areas, by entire sample and residence, during the year prior to 1974 or 1975.

| | Anglers interviewed | Percentage who: | |
|---|---|---|---|
| | | Walked | Floated |
| Residents | 141 | 72 | 28 |
| Non-residents | 14 | 71 | 29 |
| Entire sample | 155 | 72 | 28 |

Question 8: Based on your experience within the last two or three years, how would you rate the Teton River for fishing?

Sixty-four percent of the entire sample rated the Teton River as good to excellent for fishing (Table 34). A larger percentage of non-residents rated fishing as good. Canyon users and non-users rating of the fishing did not differ widely.

Table 34. Percentages of Teton River anglers who rated the Teton River as good, fair, or poor for fishing, by entire sample, residence and canyon user group, during 1974 and 1975.

| | Anglers interviewed | Rating (%) | | |
|---|---|---|---|---|
| | | Good | Fair | Poor |
| Entire sample | 755 | 64 | 27 | 9 |
| Residents | 633 | 62 | 29 | 9 |
| Non-residents | 122 | 73 | 17 | 10 |
| Canyon users | 175 | 67 | 25 | 8 |
| Non-users | 580 | 63 | 28 | 9 |

Question 9: There are cutthroat trout, brook trout, rainbow trout and whitefish in the Teton River. Of these species, which do you prefer to catch?

Most anglers preferred to catch trout (rainbow or cutthroat) or had no preference (Table 35). Among the different groups only Teton Canyon users expressed small preference for cutthroat trout, the native trout species, over rainbow trout. Only 1% of the entire sample preferred to catch whitefish, the dominant species in all Teton River zones.

Question 10: Are you aware of the Teton Dam Project currently under construction?

Eighty-six percent of all anglers interviewed knew about the Teton Dam Project (Table 36). A larger percentage of residents than non-residents and almost all canyon users knew about the construction.

Question 11: What are your views regarding construction of the Teton Dam and formation of a reservoir in the canyon area?

Some people, prior to construction of the Teton Dam, contended the Bureau of Reclamation was forcing the dam and reservoir project upon a

Table 35. Percentages of Teton River anglers who gave a species preference for fishing the Teton River, by entire sample, residence and canyon user group, during 1974 and 1975.

| | Anglers interviewed | Species preference (%) | | | | |
|---|---|---|---|---|---|---|
| | | Cutthroat trout | Rainbow trout | Brook trout | Whitefish | No preference |
| Entire sample | 1,110 | 24 | 26 | 12 | 1 | 37 |
| Residents | 857 | 24 | 26 | 12 | 0 | 37 |
| Non-residents | 253 | 25 | 25 | 9 | 1 | 41 |
| Canyon users | 229 | 32 | 29 | 9 | 1 | 29 |
| Non-users | 881 | 22 | 25 | 12 | 0 | 40 |

Table 36. Percentages of Teton River anglers who were aware of the Teton Dam Project, by entire sample, residence and canyon user group, during 1974 and 1975.

| | Entire sample | Residents | Non-residents | Canyon users | Non-users |
|---|---|---|---|---|---|
| Aware of Teton Dam Project | 86 | 93 | 61 | 98 | 82 |
| Not aware of Teton Dam Project | 14 | 7 | 39 | 2 | 18 |
| Anglers interviewed | 1,105 | 848 | 257 | 224 | 881 |

public that really didn't want it. Of all angers interviewed, 60% favored the Teton Project versus only 21% in opposition (Table 37). A larger percentage of non-residents opposed the Teton Project than residents, but 67% of the residents, the majority of whom are local residents, favored the project. A majority of the anglers who fished in the Teton River Canyon (classified as users) also favored construction of the dam and formation of the reservoir. A larger percentage of canyon users versus canyon non-users opposed the project.

Table 37. Percentages of Teton River anglers who favored, opposed or had no opinion regarding the Teton Dam project, by entire sample, residence, and canyon user group, during 1974 and 1975.

| | Anglers interviewed | Opinion of Teton Project (%) | | |
|---|---|---|---|---|
| | | In favor | Opposed | No opinion |
| Entire sample | 500 | 60 | 21 | 19 |
| Residents | 420 | 67 | 18 | 16 |
| Non-residents | 80 | 24 | 41 | 35 |
| Canyon users | 150 | 57 | 32 | 11 |
| Non-users | 350 | 61 | 17 | 22 |

Question 12: If you favor the Teton Project why?
Question 13: If you oppose the Teton Project why?

Most anglers in favor of the Teton Dam and Reservoir project believed it would have beneficial effects on agriculture, including

irrigation and flood control, and would provide good reservoir fishing and increased recreational benefits (Table 38). People opposed to the projects gave reasons of lost stream fishery, lost esthetics of the canyon float trip, lost game habitat and negative economics.

Table 38. Percentages of Teton River anglers who gave reasons for favoring and opposing the Teton Dam and Reservoir Project, by entire sample, during 1974 and 1975.

| Reasons for favoring the Teton Project | Entire sample | Reasons for opposing the Teton Project | Entire sample |
|---|---|---|---|
| Flood control | 37 | Lost river fishery | 67 |
| Irrigation | 20 | Lost canyon esthetics | 16 |
| Fish reservoir | 25 | Lost game habitat | 12 |
| Recreation | 10 | Negative economics | 5 |
| Power production | 4 | | |
| Provide work | 3 | | |
| Anglers interviewed | 301 | | 104 |

Question 14: Is flooding of the Teton River Canyon, upstream from the dam, important to you?

Only 27% of all anglers interviewed said flooding of the canyon area was important to them (Table 39). We found little difference between resident and non-resident angler responses but a larger percentage of canyon users than canyon non-users said flooding of the canyon was important to them.

Table 39. Percentages of Teton River anglers who said flooding of the Teton Canyon was or was not important to them, by entire sample, residence and canyon user group, during 1974 and 1975.

| | Anglers interviewed | Flooding of Teton Canyon (%) | |
|---|---|---|---|
| | | Important | Not important |
| Entire sample | 716 | 27 | 73 |
| Residents | 633 | 27 | 73 |
| Non-residents | 83 | 29 | 71 |
| Canyon users | 113 | 52 | 48 |
| Non-users | 603 | 23 | 77 |

We originally intended question 14 to provide more information on angler attitudes regarding inundation of the canyon area due to formation of the Teton Reservoir. In July, 1974, the Brueau of Reclamation requested that we discontinue asking questions 11 through 13. From their responses, I believe anglers often misunderstood question 14. Many asked one or more times for clarification of the question. Anglers seldom mentioned the indirect products of flooding the Teton Canyon (i.e., irrigation and flood control) as reasons of importance. In 1975 we used questions 11 through 13 and deleted question 14.

Question 15: Do you plan to fish the Teton Reservoir when the dam is completed?

Sixty-four percent of all anglers said they would fish the reservoir at least once (Table 40). Most non-resident anglers said they would not fish Teton Reservoir. Resident, canyon user and canyon non-user groups differed little in response from that of all anglers interviewed.

Table 40. The percentages of Teton River anglers who said they would or would not fish the Teton Reservoir after completion of the dam, by entire sample, residence and canyon user group, during 1974 and 1975.

| | Anglers interviewed | Fish reservoir (%) | |
|---|---|---|---|
| | | Yes | No |
| Entire sample | 952 | 64 | 36 |
| Resident | 788 | 69 | 31 |
| Non-resident | 164 | 40 | 60 |
| Canyon users | 220 | 59 | 41 |
| Non-users | 732 | 65 | 35 |

Question 16: What effect do you think the Teton Dam and Reservoir will have on the overall fishery resources of the Teton River?

Forty-four percent of the entire sample believed the dam and reservoir would have a beneficial effect (Table 41). Only 18% believed the reservoir would adversely affect the fishery resources. Larger percentages of non-residents and canyon users versus residents and canyon non-users believed the reservoir would adversly affect the fishery resources.

Table 41. The percentages of Teton River anglers who thought the Teton Dam and Reservoir would have beneficial effects, adverse effects, no effects or no opinion on the Teton River fishery. Results by entire sample, residence and canyon user group during 1974 and 1975.

| | Anglers interviewed | Effect of dam and reservoir on fishery (%) | | | |
|---|---|---|---|---|---|
| | | Beneficial | Adverse | No effect | No opinion |
| Entire sample | 959 | 44 | 18 | 14 | 24 |
| Residents | 793 | 46 | 17 | 15 | 22 |
| Non-residents | 166 | 36 | 23 | 8 | 33 |
| Canyon users | 221 | 43 | 29 | 12 | 16 |
| Non-users | 738 | 45 | 14 | 15 | 26 |

For questions 17 through 20 we listed anglers responses by numbers of anglers and percentage of total for each category for the entire sample during 1974 and 1975.

Question 17: Is fishing the main purpose of your trip to Teton Valley?

Yes 790 (84%) No 156 (16%)

Question 18: What other outdoor activities have you participated in today besides fishing?

| | | | |
|---|---|---|---|
| None | 690 | Picnic | 9 |
| Boating | 105 | Swimming | 3 |
| Camping | 62 | Working | 6 |
| Site-seeing | 33 | Skiing | 2 |
| Hiking | 26 | Bird watching | 2 |
| Golf | 4 | Miscellaneous | 7 |

Question 19: How many people are there in your fishing party (total)?

| | | | |
|---|---|---|---|
| 1 | 63 (7%) | 6-10 | 134 (14%) |
| 2-5 | 727 (78%) | 11 or more | 13 (1%) |

Question 20: What would you estimate your cost per person per day is for fishing the Teton River.

| | | | |
|---|---|---|---|
| $0-5 | 598 (64%) | $11-20 | 60 (6%) |
| $6-10 | 191 (20%) | $21 or more | 84 (9%) |

Anglers we contacted averaged $11.00 in daily expenditures related to fishing during 1974 and 1975. We asked anglers to include travel, food and non-durable (consumptive) tackle, (i.e., bait, lures, short term tackle) in their estimates of daily fishing costs. Daily expenditures per person ranged from no cost, for some people living close to the river, to $150.00 for anglers paying for lodging and chartering boat and guide service.

In summarizing the questionnaire results, we found that most Teton River anglers were local residents, middle aged males and from a wide variety of occupational classes. Most anglers interviewed didn't fish the Teton River more than 5 times per year and only 20% utilized the Teton Canyon areas, which would have been flooded by Teton Dam, for fishing. Prior to impoundment, anglers rated the Teton River as good for fishing and preferred to catch rainbow or cutthroat trouts. More anglers favored the Teton Dam Project than opposed it. Many anglers planned to fish the reservoir and believed it would have a beneficial effect on fishing. Most anglers interviewed came to the Teton Valley in parties of 1 to 10 people primarily to fish and spent about $11.00 per person on fishing related non-durable goods per day.

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# Evaluation of Cutthroat Trout, Salmo clarki, from the Teton River Drainage, Idaho.

Richard L. Wallace
Department of Biological Sciences
University of Idaho
Moscow, Idaho 83843

## INTRODUCTION

The construction of Teton Dam on the main stem of the Teton River in southeastern Idaho will alter the character of the river environment and create a new fishery in the resulting reservoir. As part of the pre-impoundment study of the existing fishes and fishery of the drainage, seven samples of cutthroat trout, Salmo clarki, were collected in 1975 for taxonomic evaluation. The results of these analysis and suggestions concerning the original native cutthroat trout of the Teton River drainage, source of hybridization and the type of cutthroat trout that might be stocked in the newly formed reservoir are included in this report.

## METHODS AND MATERIALS

Four samples were collected by electro-shocker and hook-and-line from tributaries of the Teton River. Two samples were collected from tributaries originating in Wyoming and entering the Teton River from the east (Badger and Bitch Creeks). Two samples were collected by electro-shocker from tributaries entering from the west (Horseshoe and Clamity Creeks). The remaining three collections were taken from the main Teton River, one from the upper Teton Valley near Driggs, Idaho, one from the canyon area and the last from the lower river below the dam site.

The meristic characters counted were vertebrae, gill rakers, pyloric caeca, scales above the lateral line, scales two rows above the lateral line (lateral series), basi-branchial teeth and pelvic fin rays. These characters have the most diagnostic power when analyzing subspecies of cutthroat trout and potential hybridization from rainbow trout, Salmo gairdneri (Wernsman, 1973 Roscoe, 1974; Robert Behnke, personal communication). In addition, spotting pattern was recorded because it also can be a useful characteristic when trying to indentify various subspecies of cutthroat trout (Murphy, 1974; Robert Behnke, personal communications).

## RESULTS

### Badger and Bitch Creeks

Samples from these two east-side tributaries contained little evidence of rainbow trout hybridization (Table 1). I detected only slight rainbow influence in one fish from each sample (10 pelvic rays, low basibranchial tooth count and scale counts). The spotting pattern, however, indicated a high degree of hybridization with the fine-spotted Snake River cutthroat trout, an undescribed subspecies of cutthroat trout.

### Horseshoe and Calamity Creeks

Fish in these samples had less hybridization with fine-spotted cutthroat than fish from the east-side tributaries, but the Clamity Creek sample had more evidence of rainbow trout hybridization (indicated by low scale counts, <150 in the lateral series and <40 above the lateral line; 4 of 10 fish with 10 pelvic rays; one fish with no basibranchial teeth and two others with low tooth numbers, i.e. 3 and 5, Table 1).

### Teton River

There was more rainbow trout influence in samples from the canyon and below the dam site than from the upper Teton River (Table 1). Fine-spotted cutthroat hybridization was apparent in all samples from the Teton River.

## DISCUSSION

The only true Salmo native to the Teton drainage was the cutthroat trout. Murphy (1974) and Robert Behnke (personal communication) believe that the large-spotted Snake River cutthroat was the native subspecies of S. clarki inhabiting the Teton River and other tributaries of the Snake River above Shoshone Falls. This subspecies in very similar to the Yellowstone cutthroat trout (Murphy, 1974). Although a limited number of specimens have been carefully analyzed, the Henry's Lake cutthroat appear very similar to the Yellowstone cutthroat. Thus, all of the large-spotted cutthroat of the upper Snake River and the Yellowstone drainage will likely be assigned to the subspecies.

Another form of cutthroat trout, the fine-spotted Snake River cutthroat, inhabits the main Snake River and some larger tributaries between Jackson Lake and Palisades Reservoir in Wyoming. This fish is Characterized by the presence of many, small spots scattered over the entire back and side (Murphy, 1974). This cutthroat is being propagated by the state of Wyoming and has been released in the (Wyoming) headwaters

Table 1. Summary of meristic counts from seven samples of cutthroat trout, Salmo clarki, Teton River drainage, Idaho, 1975.

| Origin | Vertebrae | Gill Rakers | Pyloric Caeca | Scales in lat.ser. | Scales above lat.line | Pelvic fin rays | Basi-branch-ial teeth | Spotting pattern |
|---|---|---|---|---|---|---|---|---|
| | 60 \| 61 \| 62 \| 63 \| 64 | 17 \| 18 \| 19 \| 20 \| 21 \| 22 \| 23 | | | | 8 \| 9 \| 10 \| 11 | | |
| Badger Cr., Teton River | 3 \| 6 \| 6 <br> $\bar{X}$ = 62.2 | 1 \| 1 \| 5 \| 2 \| \| 1 \| <br> $\bar{X}$ = 19.2 | n = 10 <br> 36-50 <br> $\bar{X}$=43.9 | n = 10 <br> 160-195 <br> $\bar{X}$=174.2 | n = 10 <br> 40-50 <br> $\bar{X}$=46.0 | 9 \| 1 <br> $\bar{X}$ = 9.1 | n = 10 <br> 12-50 <br> $\bar{X}$=25.3 | mainly large-spotted pattern - 60% <br> large-spotted X fine-spotted - 40% |
| Bitch Cr., Teton River | 1 \| 7 \| 5 <br> $\bar{X}$ = 62.3 | 1 \| 1 \| 4 \| 3 \| \| 1 <br> $\bar{X}$ = 20.3 | n = 9 <br> 35-64 <br> $\bar{X}$=47.9 | n = 10 <br> 161-200 <br> $\bar{X}$=180.9 | n = 10 <br> 40-51 <br> $\bar{X}$=46.8 | 10 <br> $\bar{X}$ = 9.0 | n = 10 <br> 3-42 <br> $\bar{X}$=26.7 | large-spotted X fine-spotted pattern - 100% |
| Horseshoe Cr., Teton River | 2 \| 7 \| 4 \| 1 <br> $\bar{X}$ = 61.3 | 2 \| 3 \| 3 \| 1 \| 1 <br> $\bar{X}$ = 18.6 | n = 10 <br> 38-55 <br> $\bar{X}$=46.6 | n = 10 <br> 162-191 <br> $\bar{X}$=176.6 | n = 10 <br> 40-48 <br> $\bar{X}$=44.4 | 9 \| 1 <br> $\bar{X}$ = 9.1 | n = 10 <br> 18-56 <br> $\bar{X}$=40.0 | large-spotted pattern 100% |
| Calamity Cr., Teton River | 6 \| 3 <br> $\bar{X}$ = 61.3 | 2 \| 5 \| 2 \| 1 <br> $\bar{X}$ = 19.2 | n = 10 <br> 38-52 <br> $\bar{X}$=43.3 | n = 10 <br> 138-180 <br> $\bar{X}$=163.2 | n = 10 <br> 36-49 <br> $\bar{X}$=41.5 | 6 \| 4 <br> $\bar{X}$ = 9.4 | 1 with no teeth <br> n = 9 <br> 3-43 <br> $\bar{X}$=21.7 | large-spotted pattern 70% <br> cutthroat X rainbow - 30% |
| Teton River Upper Valley | 1 \| 6 \| 9 \| 1 <br> $\bar{X}$ = 62.6 | 3 \| 10 \| 2 <br> $\bar{X}$ = 18.9 | n = 15 <br> 43-57 <br> $\bar{X}$=49.9 | n = 15 <br> 163-185 <br> $\bar{X}$=173.6 | n = 15 <br> 37-49 <br> $\bar{X}$=43.7 | 15 <br> $\bar{X}$ = 9.0 | n = 15 <br> 14-66 <br> $\bar{X}$=35.3 | large-spotted pattern 27% <br> large-spotted X fine-spotted - 73% |
| Teton River Canyon | 3 \| 4 \| 7 <br> $\bar{X}$ = 62.3 | 5 \| 6 \| 2 \| 1 <br> $\bar{X}$ = 19.9 | n = 13 <br> 35-52 <br> $\bar{X}$=43.8 | n = 14 <br> 151-184 <br> $\bar{X}$=163.8 | n = 14 <br> 33-45 <br> $\bar{X}$=39.3 | 10 \| 4 <br> $\bar{X}$ = 9.3 | n = 14 <br> 2-62 <br> $\bar{X}$=22.4 | large-spotted - 43% <br> large X fine-spotted 36%; cutthroat X rainbow 21% |
| Teton River below dam-site | 1 \| 5 \| 9 \| 2 <br> $\bar{X}$ = 61.7 | 1 \| 3 \| 5 \| 7 \| 1 <br> $\bar{X}$ = 20.2 | n = 17 <br> 35-56 <br> $\bar{X}$=45.4 | n = 17 <br> 142-180 <br> $\bar{X}$=166.0 | n = 17 <br> 33-43 <br> $\bar{X}$=39.8 | 15 \| 2 <br> $\bar{X}$ = 9.1 | 1 with no teeth <br> n = 16 <br> 5-52 <br> $\bar{X}$=27.2 | large-spotted - 29% <br> large X fine-spotted-59% <br> cutthroat X rainbow - 12% |

of the east-side tributaries of the Teton River and in Palisades Reservoir in Idaho.

The source of rainbow trout hybridization is from the stocking of hatchery rainbows throughout the Teton River drainage. I believe the source of the fine-spotted cutthroat was from the stocking of this trout in the headwaters of east-side tributaries of the Teton drainage in Wyoming. There was much more mixing evident in the east-side samples than from those of the west-side tributaries. Idaho has obtained fine-spotted cutthroat from Wyoming, but has stocked them only in Palisades Reservoir (Paul Jeppson, personal communication). Cutthroat trout from Henry's Lake released in the Teton drainage were also a source of hybridization. The extent of mixing cannot be detected by analysis of meristic characters because of the similarities of the two stocks of fish.

## CONCLUSIONS AND RECOMMENDATIONS

The cutthroat trout collected from the Teton River and four tributaries contained evidence of some mixing with the fine-spotted Snake River cutthroat and with rainbow trout. Most of the mixing with the fine-spotted cutthroat occurred in the east-side tributaries and in the main river. The largest amount of rainbow intermixing with cutthroat was in Clamity Creek a west-side tributary, and in the lower Teton River, in the canyon and downstream from the dam-site. There was no indication of rainbow hybridization in the cutthroat collected from the upper valley near Driggs.

If the state of Idaho wants to establish a cutthroat trout fishery in the reservoir, then the Henry's Lake stock of cutthroat seems the best source of fish for three reasons. First, those fish are similar to the original native cutthroat trout of the Teton drainage. Second, they are readily available. Third, the Henry's Lake cutthroat, although no longer pure, had evolved in a lacustrine situation for thousands of years and is better adapted for survival in a lake or reservoir than most other stocks of cutthroat trout. I would recommend that no rainbow trout be planted in the reservoir or tributaties to the reservoir, at least for a few years. If the cutthroat do not survive and grow well in the reservoir, the option of planting rainbow trout could be considered at a later date.

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site and that the minimum stream flow applications on Warm River will be subordinated to the dam site as indicated in the State Water Plan.

Gene M. Gray, Vice Chairman and chairman of the Minimum Stream Flow Committee, moved the Board file an additional application (ATTACHMENT 1) on Warm River to extend the flow from the original application upriver to and including the general area known as the springs. Franklin Jones, Secretary, seconded the motion.

Motion passed by voice vote: 8 Ayes, 0 Nays.

Gene M. Gray, Vice Chairman and chairman of the Minimum Stream Flow Committee, moved the Board request the Director of the Department of Water Resources to proceed with the public hearings in regard to the original stream flow application and the second minimum stream flow application to extend the reach on Warm River. F. Dave Rydalch, Member, seconded the motion.

Motion passed by voice vote: 8 Ayes, 0 Nays.

C. Teton River, tributary to Henry's Fork Snake River, minimum stream flow application No. 22-7369 was filed by the Board for 106 cfs on approximately an eight mile reach of the river. The water rights which could impact the flow in this reach of the river total 171 cfs. The low flows in this river are during the winter period. During the period of water right diversions (June, July, August, September), the river is at its highest flows. Based on the flow duration curve at the Felt Dam site (report published in 1982 by CH2M Hill), the 106 cfs minimum stream flow request is available 100 percent of the time at a point downstream on the reach where one could expect the lower flow areas. The Teton River flows are diverted in exchange for flows provided downstream by the Fremont Madison Irrigation District. In the district's objection, a possible problem was indicated with interference to the exchange water. The exchange amount of water is 2308 acre feet annually.

Gene M. Gray, Vice Chairman and chairman of Minimum Stream Flow Committee, explained that at the Board's public meeting the Fish and Game Department and the utility had some misgivings about what each other was saying had happened at prior dates.

Gene M. Gray, Vice Chairman and chairman of Minimum Stream Flow Committee, moved the Board table this minimum stream flow application on the Teton River until the department has more information and there is an understanding on the events involved among the parties. F. Dave Rydalch, Member, seconded the motion.

Motion passed by voice vote: 8 Ayes, 0 Nays.

D. Bitch Creek, tributary to Teton River, minimum stream flow application No. 22-7370 was filed by the Board for 28 cfs. There is one recorded water right, in addition to the Board's filing on the stream, for a power generation site upstream point of diversion near the beginning of the reach where the

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Agenda Item No. 11. Review of IDWR Energy Programs.

Wayne T. Haas, Administrator, Resources Analysis Division, presented an overview (ATTACHMENT 34) of the department's energy program summarizing the grants funded to the department and the cooperative agreements with the Department of Housing and Urban Development, Bonneville Power Administration and the U.S. Department of Energy. The department will be requesting the legislature appropriate $116,000 in general fund moneys for the energy program. Without the state moneys for the energy program, the state will loose several million federal dollars.

Agenda Item No. 12. Director's Report

A. Kenneth Dunn, Director, advised the Board that no minimum stream flow applications will be submitted to the legislature for approval and no more applications will be processed through the department until the appeal by the Department of Fish and Game on the Pahsimeroi River permit is decided by the courts. The appeal was made on a term condition the department placed on the permit.

David Tuthill, department staff, reminded the Board that at its last meeting minimum stream flow application No. 22-7369, Teton River, was tabled. Since that time additional information has been received on the application. The minimum stream flow application on Teton River was filed on June 19, 1981 for 106 cfs based on a request of the Department of Fish and Game. Public notice was advertised in the Teton Valley News and four protests were received. A public meeting was held in September, 1984. The department received one letter in opposition from the Fremont Madison Irrigation District and 12 letters in favor of the minimum stream flow. CH2M Hill has developed a flow availability graph, based on data through 1979, in its design of the new power facility at Felt Dam. It was found that 106 cfs was available 100 percent of the time at the site. Fremont Madison Irrigation District's main concern about the minimum stream flow application is in regard to its exchanges on the Teton River. The district diverts water upstream on the Teton River and then replaces it with its storage water from Island Park Reservoir through a canal to satisfy prior water right holders downstream. The district has 808 af storage owned by individuals on Teton and 1500 af rented in Island Park Reservoir (equivalent to 10 cfs diverted for approximately 117 days). At this time, it is not a significant amount of water in terms of the overall river supply. Another problem raised was in respect to Felt Dam which bypasses approximately .2 miles of a reach on the Teton River. Raft River Rural Electric Cooperative, Inc. and Dept. of Fish and Game entered into an agreement in 1982 that 20 cfs should be allowed to bypass the river nine months of the year and 50 cfs should be bypassed three months of the year. Dept. of Fish and Game has requested the Board include in the minimum stream flow application the agreement with Raft River Rural Electric Cooperative, Inc.

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Gene M. Gray, Vice Chairman, moved adoption of a resolution (ATTACHMENT 35) in the matter of minimum stream flow application No. 22-7369 on Teton River requesting the Director proceed with administrative action on the application. Robert M. Hammes, Member, seconded the motion.

Motion passed by voice vote: 8 Ayes, 0 Nays.

Agenda Item No. 13. Items Board Members May Wish to Present

J. D. Williams, Member, requested staff write a letter to Tom Stivers, Speaker of the House, responding to his letter of support for the Swan Falls Agreement, indicating the Board's appreciation for his support and informing him of the Board's actions in listing the dates of the hearings; and, request Speaker Stivers communicate to the members of the legislature to give them the opportunity to attend the hearings. Also, express the Board's concern that some of the legislation may not be in place which the Board will be referring to at the hearings and suggest he may wish to discuss this with the Director or other members of the legislature.

The next Board meeting will be January 17, 1985 in Boise.

Meeting adjourned at 4:15 p.m.

James S. Evans

SECRETARY

---

BOARD ACTIONS:

1. Approval of 9-84 Minutes of November 2, 1984 Board meeting. (Page 2)

2. Accepted the proposed amendment to Policy 32 for hearing to receive public comment. (Page 3)

3. Adopted "streamflow maintenance from storage" as a water use in conformance with the State Water Plan and recommended Director approval of the application for amendment of U.S. Bureau of Reclamation. (Page 8)

4. Adopted a recommendation that the term of the Lucky Peak storage permit be thirty (30) years prior to review. (Page 8)

5. Adopted a resolution to make a $164,000 loan for one year at [illegible] percent interest from the Revolving Development Account to Goose Creek Flood Control District #16 to be used for payment of costs associated with the

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BEFORE THE IDAHO WATER RESOURCE BOARD

| | | |
|---|---|---|
| IN THE MATTER OF MINIMUM STREAM FLOW APPLICATION NO. 22-7369 | ) | A RESOLUTION |

WHEREAS, pursuant to Chapter 15, Title 42, Idaho Code, the Idaho Water Resource Board (Board) has the authority to appropriate the unappropriated waters of streams in Idaho for the purpose of establishing minimum stream flows; and,

WHEREAS, the Board has submitted to the Director of the Idaho Department of Water Resources (Director) an application to appropriate water for a minimum stream flow identified as No. 22-7369 on the Teton River; and,

WHEREAS, in accordance with the adopted guidelines for a minimum stream flow application, the Board has conducted an informal public meeting to determine local public interest with respect to the application; and,

WHEREAS, the Board has reviewed the public comments and has determined that the application is reasonable and in the local public interest, with the exception that in the NE¼ Sec. 29, T7N R44E, B.M. there is a reach of the Teton River which is partially dewatered by the Felt Power Plant diversion for which a reduced minimum flow is acceptable and preferable;

NOW, THEREFORE, BE IT Resolved that the Board requests the Director to proceed with administrative action on this application, provided that the minimum stream flow in the reach of the Teton River which is partially dewatered by the Felt Power Plant diversion be reduced to coincide with the flows established in the Agreement dated February, 16, 1982 between Fall River Rural Electric Cooperative, Inc. and the Idaho Department of Fish and Game.

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Dated this 15 day of [illegible], 1984.

GENE M. GRAY
Chairman, Minimum Stream
Flows Committee

DON KRAMER
Chairman, IWRB

Attest:
FRANKLIN JONES
Secretary, IWRB

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DEC 15

NTER-DEPARTMENT MEMO — 1

DATE

FROM Dave Tuthill

TO File for 22-7369, Teton R. MSF

SUBJECT

Please place the following individual on the mailing list:

John Arkoosh
P.O. Box 32
Gooding Id
83330

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SIGNATURE

State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

September 7, 1984

M E M O

TO: Dave Tuthill, Water Allocation Section

FROM: Bill Ondrechen, Hydrology Section

SUBJECT: Instream Flow Applications
Falls River (21-7281)
Bitch Creek (22-7370)
Teton River (22-7369)
Warm River (21-7283)

Falls River

Streamflows in the reach described in the application are very well defined by the Falls River near Chester gaging station (USGS Number 13049500). The gaging site is located near the lower end of the reach, 0.8 miles upstream from the mouth. Figure 1, a plot of two summary hydrographs, illustrates the flow characteristics at the gaging station. After a period of fairly low and relatively constant flows from October through March, streamflows begins to increase rapidly during April in response to snowmelt. Peak flows generally occur in late May or early June, with a rapid recession leading to a period of low flow in July and early August. During this latter period irrigation diversions have their greatest effect on streamflows. As diversions decline during August and September, streamflows gradually increase to baseflow levels.

Very low flows occur in years of much below average runoff during times when irrigation diversions are high. Dry years like 1961, 1966 and 1977 all produced minimum flows in the 1[illegible] range.

DEC 15 1989

Flows at the gaging station should represent the smallest amount of water present in the reach: As one moves upstream past the Curr, Silkey, Chester, Fall River and Enterprise Canals, the amount of water present in the channel increases considerably. These diversions, totalling about 300 cfs, are all within three to four miles above the gaging station.

A flow duration analysis for the same period as that used for the plots in Figure 1 reveals that the proposed instream flow of 140 cfs is available about 91 percent of the time on an annual basis. During the months of July and August, the percent of time the 140 cfs is available drops to 66 and 60 percent, respectively.

Bitch Creek

This tributary of the Teton River drains an 80 square mile area in Wyoming and Idaho on the west side of the Teton Range. The USGS gaging station 13054300, located just downstream from the Highway 32 crossing, was in operation during water years 1975, 1976 and 1977. Since only three years of data are available, no summary hydrograph analysis was performed. The measured mean monthly flows for the period of record are listed below:

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1975 | 44 | 35 | 33 | 30 | 28 | 27 | 32 | 182 | 908 | 665 | 114 | 54 |
| 1976 | 51 | 43 | 41 | 37 | 37 | 33 | 64 | 788 | 659 | 336 | 117 | 66 |
| 1977 | 50 | 36 | 31 | 29 | 27 | 27 | 84 | 226 | 264 | 47 | 38 | 36 |

Peak flows resulting from snowmelt occur during May and June, with July and August discharges gradually recessing to baseflow conditions. Some small diversions are made above the instream flow reach, but the effect on streamflow is not pronounced. Low flows during the period of record occurred in the months of November and March. The proposed instream flow of 28 cfs closely approximates the late fall and winter baseflow of the stream, with the minimum discharge of record being 24 cfs.

Teton River

The instream flow reach described in the application is from the confluence of Bitch Creek upstream 12 miles to the Highway 33 bridge. Badger Creek, a major tributary, joins the Teton a short distance upstream from the Bitch Creek confluence. Streamflow data for the reach are available at several different sites for varying periods. A gage near the lower end of the reach was operated during water years 1975-77 (Teton R. below Badger Cr. near Lamont, 13054200) and another gage (Teton R. near Tetonia, 13054000) at the upstream end was operated during the period 1941-57. The only gaging station presently in operation on the upper Teton River is the gage above South Leigh Creek near Driggs (13052200), some seven miles upstream from the highway bridge.

A summary hydrograph analysis was performed on the Teton R. near Tetonia streamflow record. This record does not re

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present condition flow in the reach during the irrigation season due to the installation of several large pump diversions in recent years. These diversions peak at between 40 and 90 cfs during July, but are considerably less during the other summer months. Figure 2 is a plot of average, and 90 percent exceedance discharges for the Teton River near Tetonia station. A comparison of the proposed instream flow of 106 cfs with the flow regimes in Figure 2 reveals that the winter months are the only time actual flows drop to near the instream flow level. During the 17 year period of record, discharges exceeded 106 cfs over 99.9 percent of the time. The minimum flow of record was 62 cfs in January 1943, most likely due to ice conditions resulting from the extremely low temperatures. This site was also measured twice during 1977, on June 29 and August 18, at which time the discharges were found to be 242 cfs and 159 cfs, respectively. On these same dates the Teton R. below Badger Cr. site recorded 318 cfs and 254 cfs, respectively. Table 2 lists summary hydrograph statistics for the Teton River near Tetonia station.

Warm River

Although no gaging station is presently in operation on Warm River, the record at the Warm River at Warm River gaging site (13044500) for the period 1912-32 is useful for characterizing flows in the reach. This site was located 0.5 miles above mouth of the Warm River and just above Robinson Creek. A summary hydrograph analysis was run on this record and a plot of the average and minimum of record for each day of the year is shown in Figure 3. Streamflows at this site are characterized by a large amount of baseflow, with a peak in May resulting from snowmelt runoff. Since a large proportion of the flow is groundwater discharge, much less variation is present in the daily flows compared to a more typical stream.

Low flows generally occur during the winter months, with very little variation from year to year. The discharge dropped below the 141 cfs proposed instream flow only on two days during the 21 year record. This low flow occurrence was the result of the ice jamming on tributary streams. The stream was also measured several times during 1974-75 and once during 1977. The 1977 measurement, made on June 30, was 232 cfs.

BO:cjk

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TABLE 1.

IDAHO DEPARTMENT OF WATER RESOURCES — SUMMARY HYDROGRAPH DATA

FALLS RIVER NR CHESTER 13049500

***** MEAN DAILY FLOW BY MONTH *****

| MONTH | MAXIMUM | YEAR | DAY | MINIMUM | YEAR | DAY | AVERAGE | COUNT |
|---|---|---|---|---|---|---|---|---|
| JAN | 720. | 1972 | 21 | 280. | 1979 | 1 | 474. | 682 |
| FEB | 660. | 1962 | 12 | 334. | 1978 | 16 | 462. | 621 |
| MAR | 860. | 1963 | 23 | 345. | 1978 | 1 | 472. | 682 |
| APR | 2830. | 1980 | 30 | 375. | 1967 | 2 | 742. | 715 |
| MAY | 4890. | 1976 | 19 | 370. | 1967 | 5 | 2030. | 992 |
| JUN | 6050. | 1981 | 9 | 14. | 1977 | 28 | 2083. | 960 |
| JUL | 4190. | 1975 | 4 | 16. | 1961 | 14 | 548. | 992 |
| AUG | 970. | 1968 | 22 | 15. | 1960 | 8 | 235. | 992 |
| SEP | 879. | 1983 | 30 | 30. | 1966 | 1 | 315. | 960 |
| OCT | 891. | 1983 | 27 | 163. | 1980 | 1 | 436. | 682 |
| NOV | 828. | 1974 | 13 | 241. | 1964 | 2 | 519. | 660 |
| DEC | 1200. | 1965 | 24 | 350. | 1962 | 11 | 519. | 682 |

***** YEARLY FLOW DATA *****

| MAXIMUM | YEAR | MINIMUM | YEAR | AVERAGE | COUNT |
|---|---|---|---|---|---|
| 6050. | 1981 | 14. | 1977 | 785. | 9620 |

***** MEAN MONTHLY FLOW DATA *****

| MONTH | MAXIMUM | YEAR | MINIMUM | YEAR |
|---|---|---|---|---|
| JAN | 638. | 1975 | 352. | 1962 |
| FEB | 581. | 1975 | 357. | 1978 |
| MAR | 654. | 1972 | 410. | 1978 |
| APR | 2210. | 1952 | 431. | 1967 |
| MAY | 3161. | 1976 | 1073. | 1977 |
| JUN | 3419. | 1974 | 645. | 1977 |
| JUL | 1971. | 1975 | 28. | 1960 |
| AUG | 539. | 1982 | 57. | 1963 |
| SEP | 595. | 1972 | 57. | 1960 |
| OCT | 767. | 1983 | 240. | 1964 |
| NOV | 738. | 1983 | 350. | 1964 |
| DEC | 628. | 1975 | 372. | 1962 |

***** MEAN ANNUAL FLOW DATA *****

| MAXIMUM | YEAR | MINIMUM | YEAR |
|---|---|---|---|
| 1005. | 1983 | 505. | 1977 |

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TABLE 2.

IDAHO DEPARTMENT OF WATER RESOURCES — SUMMARY HYDROGRAPH DATA

TETON RIVER NR TETONIA — 13054000

***** MEAN DAILY FLOW BY MONTH *****

| MONTH | MAXIMUM | YEAR | DAY | MINIMUM | YEAR | DAY | AVERAGE | COUNT |
|---|---|---|---|---|---|---|---|---|
| JAN | 360. | 1946 | 1 | 62. | 1943 | 16 | 211. | 496 |
| FEB | 790. | 1957 | 27 | 130. | 1950 | 1 | 218. | 452 |
| MAR | 801. | 1956 | 26 | 105. | 1948 | 5 | 252. | 496 |
| APR | 1150. | 1943 | 4 | 197. | 1944 | 1 | 429. | 480 |
| MAY | 1490. | 1949 | 19 | 227. | 1953 | 5 | 568. | 496 |
| JUN | 1870. | 1945 | 28 | 288. | 1955 | 8 | 880. | 510 |
| JUL | 1420. | 1950 | 8 | 386. | 1955 | 20 | 670. | 496 |
| AUG | 1190. | 1951 | 5 | 292. | 1948 | 31 | 465. | 496 |
| SEP | 686. | 1945 | 22 | 266. | 1942 | 30 | 367. | 480 |
| OCT | 535. | 1951 | 1 | 254. | 1943 | 10 | 335. | 496 |
| NOV | 583. | 1956 | 22 | 160. | 1956 | 16 | 312. | 480 |
| DEC | 900. | 1942 | 4 | 135. | 1943 | 27 | 249. | 496 |

***** YEARLY FLOW DATA *****

| MAXIMUM | YEAR | MINIMUM | YEAR | AVERAGE | COUNT |
|---|---|---|---|---|---|
| 1870. | 1945 | 62. | 1943 | 415. | 5874 |

***** MEAN MONTHLY FLOW DATA *****

| MONTH | MAXIMUM | YEAR | MINIMUM | YEAR |
|---|---|---|---|---|
| JAN | 261. | 1953 | 168. | 1943 |
| FEB | 278. | 1950 | 189. | 1956 |
| MAR | 336. | 1947 | 190. | 1955 |
| APR | 746. | 1943 | 273. | 1947 |
| MAY | 902. | 1949 | 269. | 1955 |
| JUN | 1209. | 1945 | 464. | 1955 |
| JUL | 1097. | 1945 | 424. | 1955 |
| AUG | 749. | 1951 | 362. | 1955 |
| SEP | 495. | 1945 | 291. | 1953 |
| OCT | 425. | 1952 | 266. | 1943 |
| NOV | 373. | 1944 | 249. | 1953 |
| DEC | 325. | 1947 | 198. | 1945 |

***** MEAN ANNUAL FLOW DATA *****

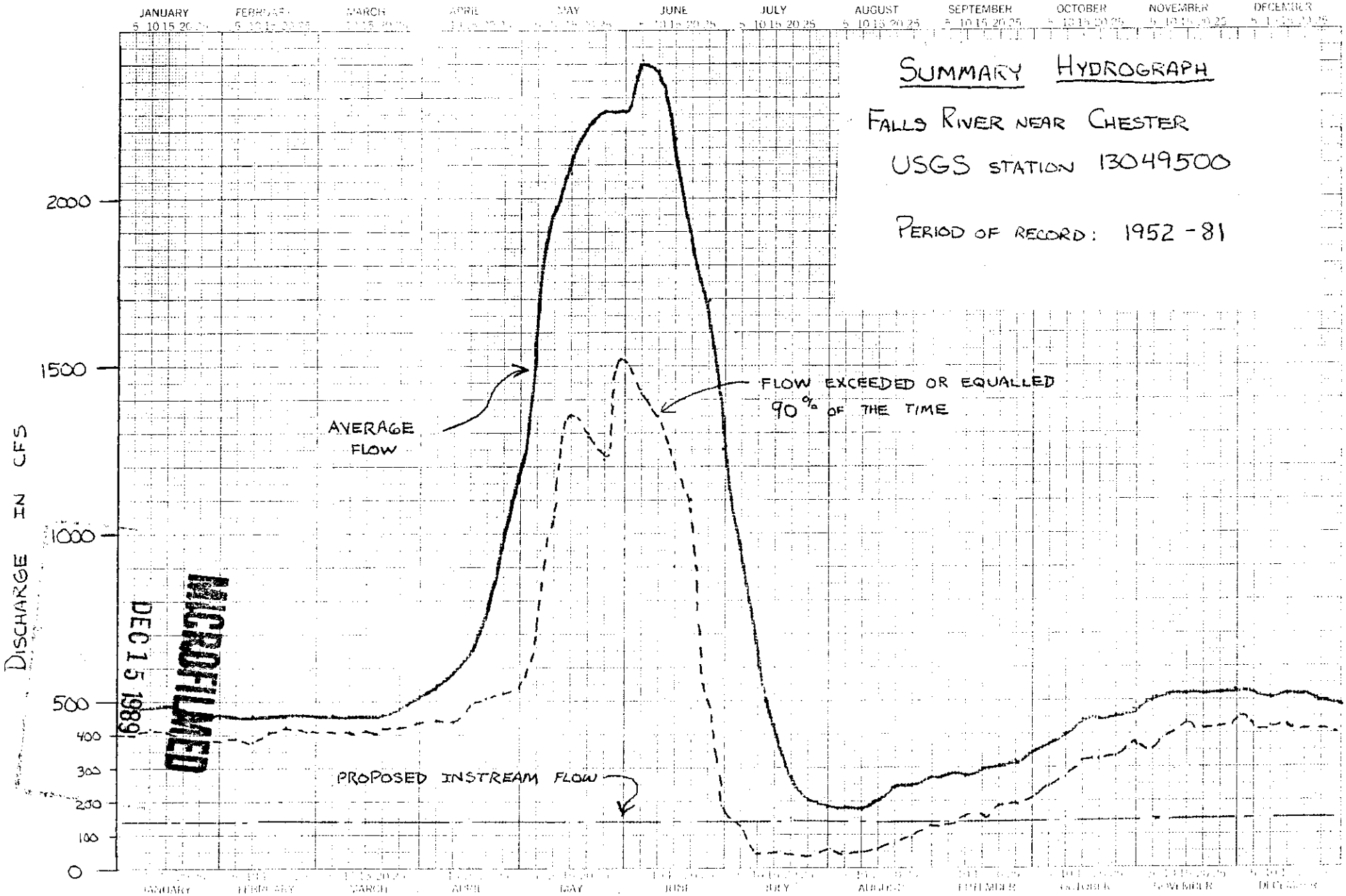
| MAXIMUM | YEAR | MINIMUM | YEAR |
|---|---|---|---|
| 495. | 1943 | 295. | 1955 |

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K+E 1 YEAR BY DAYS X 250 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 2890

# FIGURE 1.

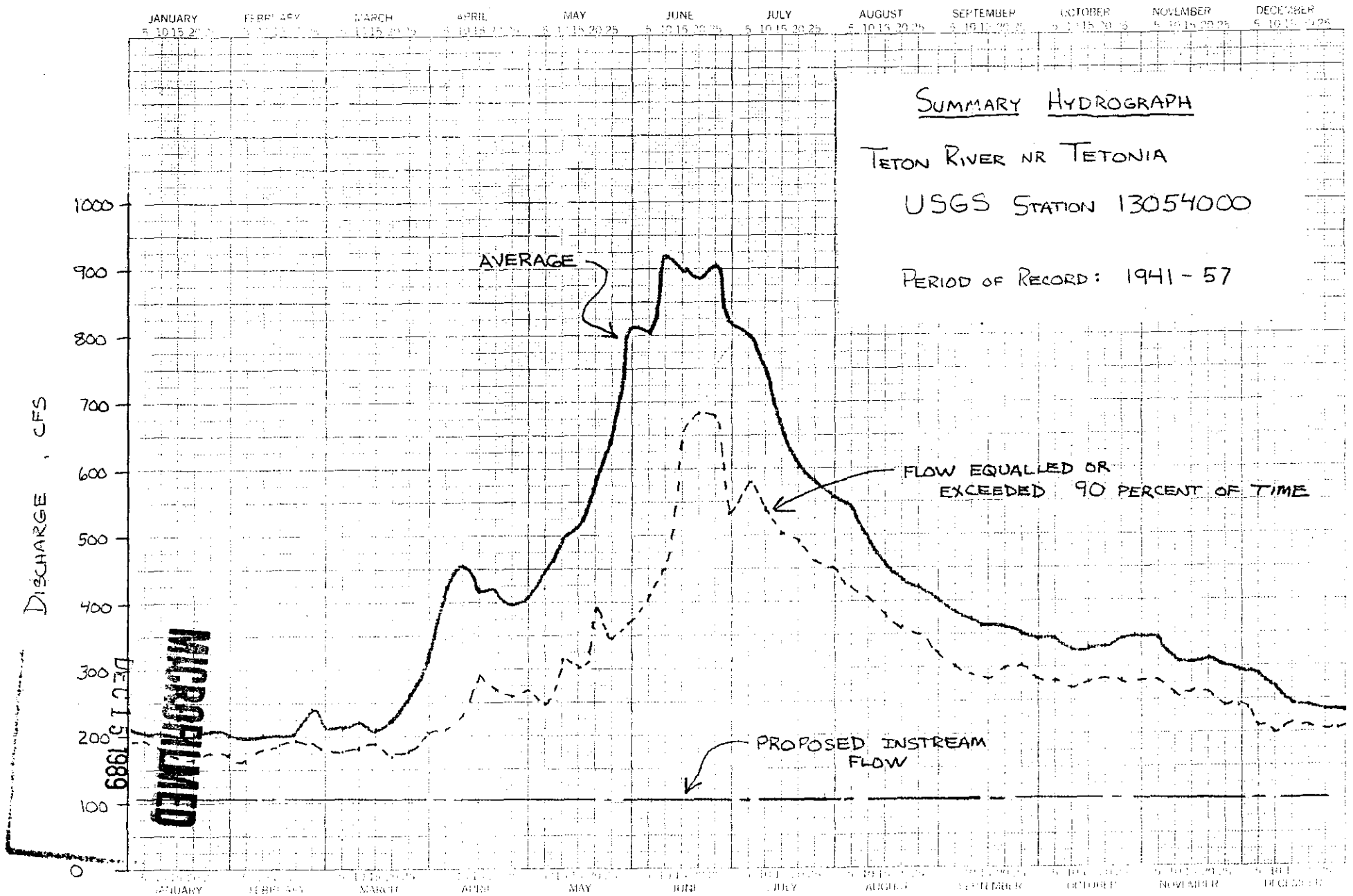



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K+E 1 YEAR BY DAYS X 250 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 2890

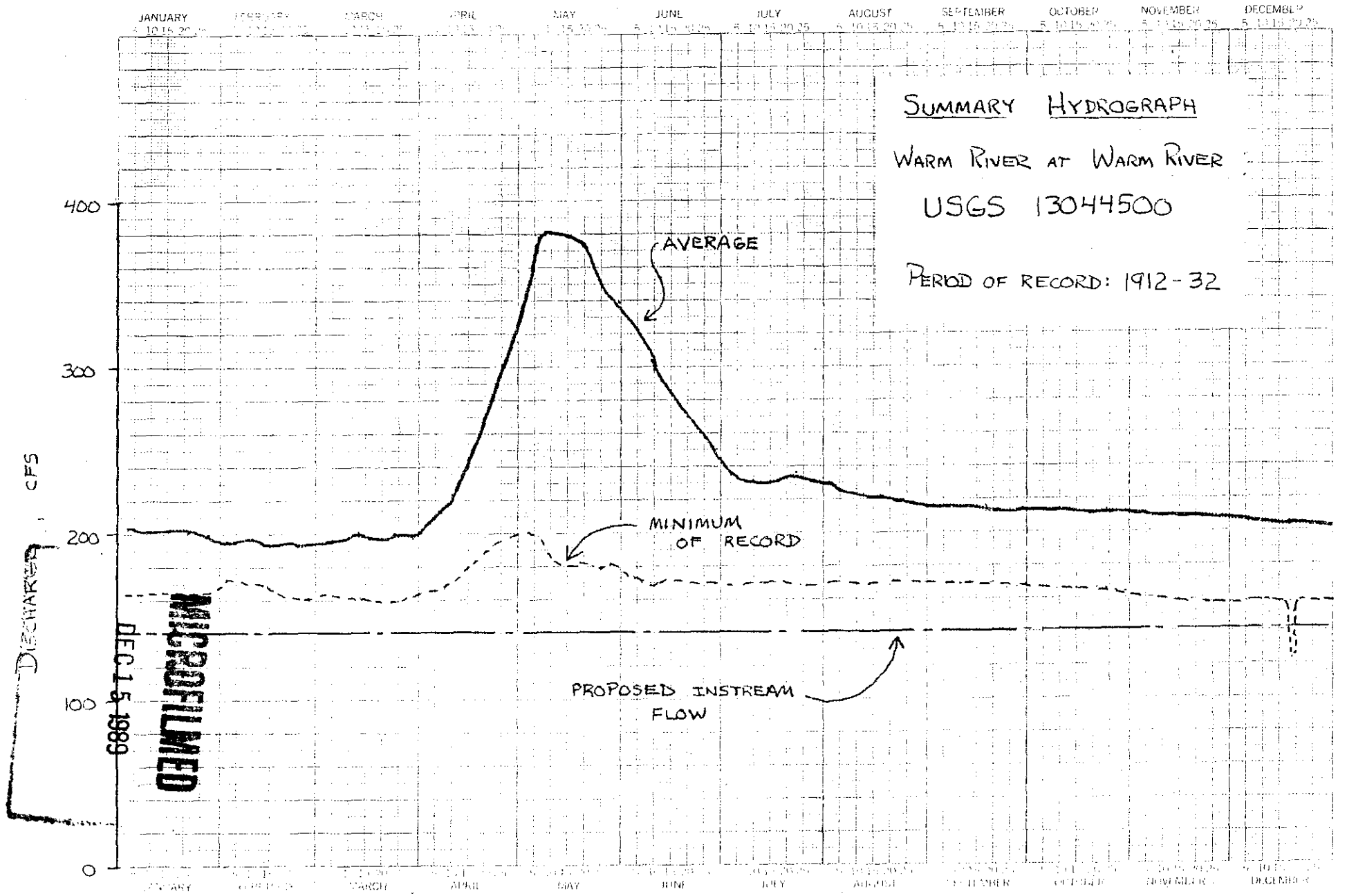
FIGURE 2.



K+E 1 YEAR BY DAYS X 250 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 2890

FIGURE 3.




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| Rate | Use | STAGE | | Above Gauge? |
|---|---|---|---|---|
| IRR. | 4.01 | L | 22-7044A ✓ | |
| IRR. | 4.01 | L | -7044B ✓ | |
| IRR. | 6.98 | L | -7100 ✓ | |
| IRR. | 9.0 | P | -7108 ✓ | NO |
| IRR. | 5.12 | L | -7110 ✓ | |
| IRR. | 10.0 | P | -7111 ✓ | NO |
| IRR. | 10.0 | P | -7116 ✓ | |
| IRR. | 6.0 | P | -7119 ✓ | |
| IRR. | 5.0 | P | -7120 ✓ | |
| IRR. | 8.0 | P | -7121 ✓ | |
| IRR. | 17.0 | P | -7122 ✓ | NO |
| IRR. | 7.0 | P | -7148 ✓ | |
| IRR. | 45 | P | -7157 ✓ | |
| IRR. | 1.9 | L | -7159 ✓ | |
| IRR. | 12.0 | P | -7172 ✓ | NO |
| IRR. | 12.8 | P | -7180 ✓ | |
| IRR. | 3.2 | P | -7181 ✓ | |
| IRR. | 12.4 | P | -7186 ✓ | |
| Irr | 1.0 | P | -7196 ~~KW LP 7/5/4~~ | NO |
| IRR. | 5.0 | P | -7349 ✓ | NO |
| Power | 300.0 | A | -7351 ~~Hist~~ | NO |
| N | 106.0 | A | -7369 Rocket (Done out to you as of 9-9-84) | |
| IRR. | 8.0 | P | -7392 ✓ | |
| IRR. | .12 | A | -7419 ? | |
| IRR. | 3.0 | A | -7470 ? | |

Σ Apps d

Σ Pro... 16

Σ Lic... 6

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DEC 15 1989

W-4

INTER-DEPARTMENT MEMO — 1

DATE 9/18/84

FROM Dave T

TO Bert

SUBJECT Research Request

Plz obtain a list of water right numbers for all water rights on the Teton R. upstream from Section 20, T 7N R 44E with date of priority after 1946, and route list to Cheryl to pull files.

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Dave
SIGNATURE

MEMORANDUM

FROM: Roberta Garrett

TO: File 22-7369

RE: Minimum Streamflow Filing - Teton River

Date: August 17, 1984

Reach of Stream Researched:

T. 7 N., R. 44 E.

Secs: 20, 29, 28, 33

T. 6 N., R. 44 E.

Secs: 04, 03, 10, 15, 22. 23

Water rights located within the above legal description:

22-0204B
22-0425A
22-0457A
22-0513
22-0514
22-0606
22-2123
22-2126
22-7044A
22-7044B
22-7100
22-7108
22-7110
22-7111
22-7116
22-7119
22-7120
22-7121
22-7122
22-7148
22-7157
22-7159
22-7172
22-7180
22-7181
22-7186
22-7196
22-7349
22-7351
22-7369 Dam
22-7392
22-7470

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On September 14, 1984 copies of the attached materials were sent to the property owners and waterusers identified on the attached mailing labels.

Linda Smith
LINDA SMITH

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DEC 15 1989

MINIMUM STREAM FLOW
Fact Sheet

Water Right No.: 22-7369

Source: Teton River tributary to Henry's Fork

Applicant: Idaho Water Resource Board

Requesting Agency: Idaho Department of Fish and Game

Date Application Filed: June 19, 1981

Rate of Flow: 106 cubic feet per second

Location of Reach: NW¼NE¼ Sec. 20 T7N R44E, B.M. Teton County, upstream approximately 9 miles to State Highway 33 in SE¼SW¼ Sec. 23 T6N R44E, Teton County.

Purpose: To maintain trout habitat.

Public Meeting: Thursday, September 27, 1984, at 7:30 p.m. in the courtroom of the Teton County Courthouse, Driggs.

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

Water Right No.: 22-7370

Source: Bitch Creek tributary to Teton River

Applicant: Idaho Water Resource Board

Requesting Agency: Idaho Department of Fish and Game

Date Application Filed: June 19, 1981

Rate of Flow: 28 cubic feet per second

Location of Reach: NW¼NE¼ Sec. 20 T7N R44E, B.M., Teton County, upstream approximately 6 miles to State Highway 32 in NW¼NW¼ Sec. 17 T7N R45E, Teton County.

Purpose: To maintain spawning and rearing of game fish.

Public Meeting: Thursday, September 27, 1984, at 7:30 p.m. in the courtroom of the Teton County Courthouse, Driggs.

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MINIMUM STREAM FLOW
Fact Sheet

Water Right No.: 21-7281

Source: Fall River tributary to Henry's Fork

Applicant: Idaho Water Resource Board

Requesting Agency: Idaho Department of Fish and Game

Date Application Filed: June 19, 1981

Rate of Flow: 140 cubic feet per second

Location of Reach: NE¼SE¼ Sec. 14 T8N R41E, Fremont County, upstream approximately 8 miles to State Highway 32 in SE¼ NW¼ Sec. 18 T8N R43E, Fremont County.

Purpose: To maintain the quality of the fishery and spawning and rearing habitat for the trout populations.

Public Meeting: Wednesday, September 26, 1984, at 7:30 p.m. in the courtroom of the Fremont County Courthouse, St. Anthony.

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

Water Right No.: 21-7283

Source: Warm River tributary to Henry's Fork

Applicant: Idaho Water Resource Board

Requesting Agency: Idaho Department of Fish and Game

Date Application Filed: June 19, 1981

Rate of Flow: 141 cubic feet per second

Location of Reach: NW¼NW¼ Sec. 12 T9N R43E, Fremont County, upstream about ½ mile to State Highway 47 in the SW¼SE¼ Sec. 18 T9N R43E, B.M., Fremont County.

Purpose: To maintain high quality fisheries and spawning and rearing habitat.

Public Meeting: Wednesday, September 26, 1984, at 7:30 p.m. in the courtroom of the Fremont County Courthouse, St. Ant[illegible]

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DEC 1 5 1989

MEMORANDUM

FROM: Roberta Garrett

TO: File 22-7369

RE: Minimum Streamflow Filing - Teton River

Date: August 17, 1984

Reach of Stream Researched:

T. 7 N., R. 44 E.

Secs: 20, 29, 28, 33

T. 6 N., R. 44 E.

Secs: 04, 03, 10, 15, 22. 23

Water rights located within the above legal description:

22-0204B
22-0425A
22-0457A
22-0513
22-0514
22-0606
22-2123
22-2126
22-7044A
22-7044B
22-7100
22-7108
22-7110
22-7111
22-7116
22-7119
22-7120
22-7121
22-7122
22-7148
22-7157
22-7159
22-7172
22-7180
22-7181
22-7186
22-7196
22-7349
22-7351
22-7369
22-7392
22-7470

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DEC 15 1989

State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

September 14, 1984

Re: Minimum Stream Flow Application on Teton River

Dear Wateruser:

The Idaho Water Resource Board will be holding a public meeting to solicit public input regarding a proposed minimum streamflow water right on a reach of Teton River. According to the records of this Department, you have a water right for which the point of diversion is located in or near the proposed minimum streamflow reach.

Information describing the application and the time and place of the meeting is shown on the enclosed fact sheet. Note that at the same meeting a proposed minimum streamflow on Bitch Creek will also be reviewed. Also enclosed is a brochure which describes the minimum streamflow procedure.

At the meeting you will have an opportunity to learn more about the application and to express your views. On behalf of the Idaho Water Resource Board, you are cordially invited to attend.

Sincerely,

David R. Tuthill Jr.

DAVID R. TUTHILL, JR., P.E.
Supervisor, Water Allocation Section

DRT:ls

Enclosures

RECEIVED
DEC 15 1984

TETON RIVER
Wateruser

Ehco Ranch
Box 97
Tetonia, ID 83452

Fall River Rural Electric
Cooperative, Inc.
P.O. Box 617
Ashton, ID 83420

Elvin or Lois McCulloch
Box 95
Tetonia, ID 83452

Ray M. Brown
Box 73
Tetonia, ID 83452

Darrell Ard
136 South 1st St.
Rexburg, ID 83440

Ehco Eanch, Inc
Box 688
Rexburg, ID 83440

Keith J. Arnold and Sons, Inc.
Box 246
Sugar City, ID 83448

Teton Georgic Inc.
P.O. Box 143
Rexburg, ID 83440

DeMar Bott
Newdale, ID 83436

Max and Merrill Rammell
Box 206
Driggs, ID 83426

J. Clint Hoopes
25 South Third East
Rexburg, ID 83440

Glen D. Nelson
Star Route
Newdale, ID 83436

Rex and Larry Ard
274 West 1st South
Rexburg, ID 83440

Ehco Ranches and/or Mrs. E.G.
Bickmore
Box 668
Rexburg, ID 83440

J. Clint Hoopes and/or Mrs. E.G.
Bickmore
25 South Third East
Rexburg, ID 83440

Earl N. Hoopes
Box 688
Rexburg, ID 83440

Fall River Irrigation, LTD.
P.O. Box 5
St. Anthony, ID 83445

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DEC 15 1969

Teton Valley Power and Milling Co.
Driggs, ID 83422

Teton Pipeline Assn.
c/o Glen Nelson
Star Rt.
Newdale, ID 83436

Mark R. Ricks
Riko, Inc.
259 South Third East
Rexburg, ID 83440

Russell Wildin

State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

October 9, 1984

Fall River Rural Electric
Cooperative, Inc.
P.O. Box 617
Ashton, ID 83420

Gentlemen:

Thank you for your input at the Idaho Water Resource Board minimum streamflow meeting that was held on September 27 in Driggs. It is helpful to investigate problems such as the bypass question that you raised prior to any hearing by the Idaho Department of Water Resources, as such items are difficult to resolve during the course of a hearing.

The purpose for this letter is to request some information, if it is available. Based on some of the comments at the meeting, there is a concern that opportunities for exchange of Teton River water could be limited by the existence of an approved minimum streamflow on the proposed reach. Because, as you know, the hydrologic data for the reach in question is limited, I am trying to locate more current data. It occurred to me that you may have some good flow records, as a result of operation of Felt Dam.

Would it be possible to obtain copies of any flow data that you may have collected at Felt Dam? I am aware that the firm of CH2M Hill was involved with engineering the new addition to the Felt Dam project. I haven't yet called that firm regarding this information request, but can do so if you would suggest that they have the information, since they have an office here in Boise. I would like to obtain the information as soon as possible in order to be able to present it to the Idaho Water Resource Board at their meeting on November 2, 1984. Any information that you can provide in this regard would be very much appreciated.

Sincerely,

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DEC 15 1989

DAVID R. TUTHILL, JR., P.E.
Supervisor, Water Allocation Section

DRT/ls

State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

RECEIVED
SEP 26 1984
Department of Water Resources

September 14, 1984

Re: Minimum Stream Flow Application on Teton River

Dear Wateruser:

The Idaho Water Resource Board will be holding a public meeting to solicit public input regarding a proposed minimum streamflow water right on a reach of Teton River. According to the records of this Department, you have a water right for which the point of diversion is located in or near the proposed minimum streamflow reach.

Information describing the application and the time and place of the meeting is shown on the enclosed fact sheet. Note that at the same meeting a proposed minimum streamflow on Bitch Creek will also be reviewed. Also enclosed is a brochure which describes the minimum streamflow procedure.

At the meeting you will have an opportunity to learn more about the application and to express your views. On behalf of the Idaho Water Resource Board, you are cordially invited to attend.

Sincerely,

David R. Tuthill Jr.

DAVID R. TUTHILL, JR., P.E.
Supervisor, Water Allocation Section

DRT:ls

Enclosures

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DEC 15 1989

*STATE OF IDAHO*
*DEPARTMENT OF WATER RESOURCES*
Statehouse
Boise, Idaho 83720

FORWARDING ORDER EXPIRED

Teton Georgic Inc.
P.O. Box 143
Rexburg, ID 83440

RECEIVED
SEP 26 1984
Department of Water Resources

I: .O DEPARTMENT OF FISH AND ..ME
REGION 6

M E M O R A N D U M

September 11, 1984

TO: Virgil Moore

Dave Tuthill
Water Resources

FROM: Chip Corsi Chip Corsi

SUBJECT: RIPARIAN OWNERSHIP - TETON RIVER, BITCH CREEK, WARM RIVER, AND FALLS RIVER.

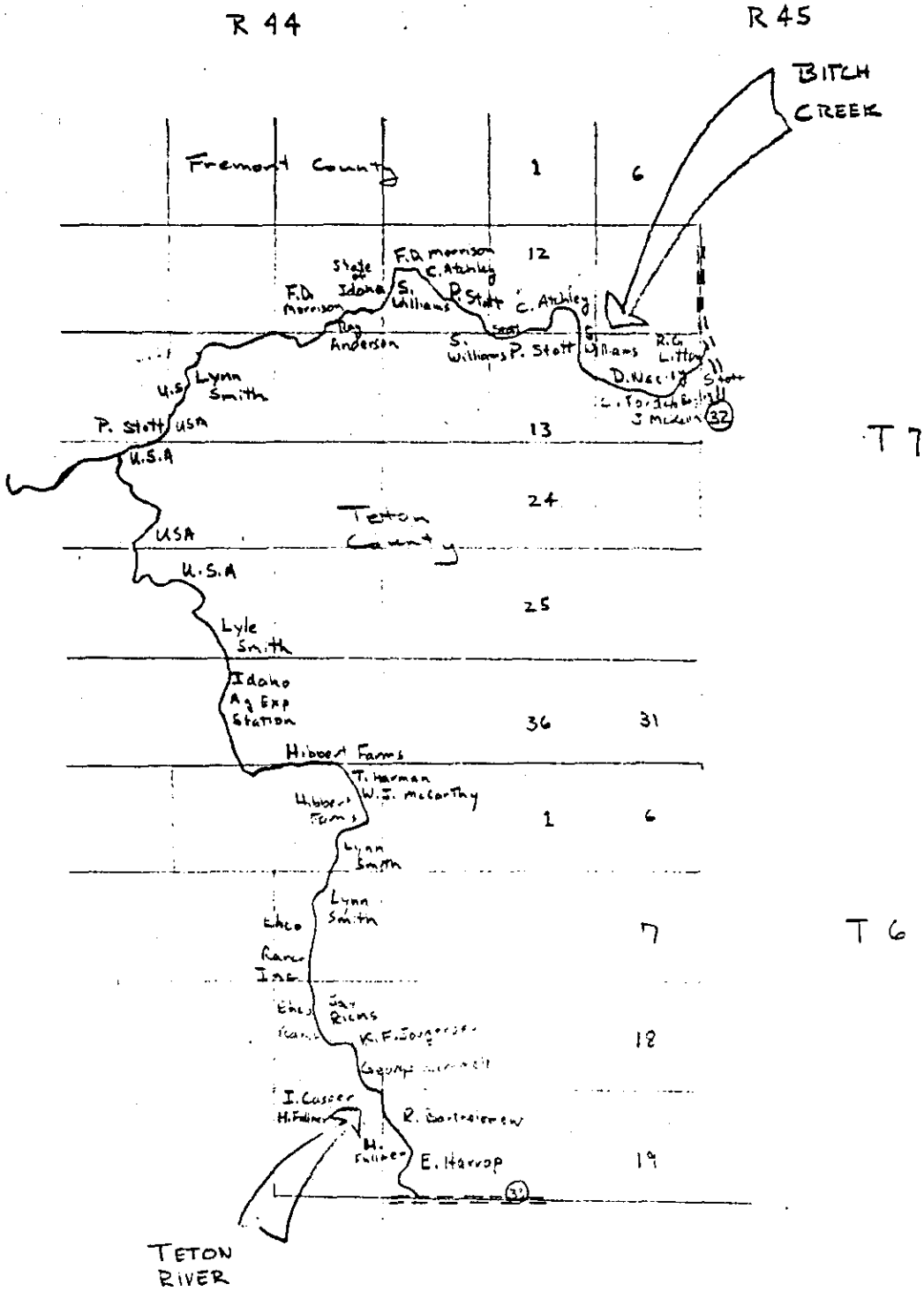
Here are the maps and lists of landowners you requested for the above mentioned streams.

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| | | | | |
|---|---|---|---|---|
| 6 | 44 | 3 | Terry Hardman | 33421 Hwy 224 Space 0, Estacada, OR 97023 |
| | | | William J. McCarthy | 4910 Hawthorne, Pocatello, I |
| | | | Hibbert Farms | Driggs, Idaho |
| | | | Lynn Smith | Felt, Idaho |
| 6 | 44 | 10 | Lynn Smith | Felt, Idaho |
| | | | Echo Ranch | Tetonia, Idaho |
| 6 | 44 | 15 | Jay Ricks | 295 S 3rd E, Rexburg, ID |
| | | | Echo Ranch, Inc. | Tetonia, Idaho |
| | | | Klar F. Jorgensen | 634 College St., Idaho Falls |
| | | | George Rammell | Tetonia, Idaho |
| 6 | 44 | 22 | Irene Casper | 1240 Susanne, Idaho Falls, I |
| | | | c/o J. Butts | Box 66, Teton, Idaho |
| 6 | 44 | 23 | c/o J. Butts | Box 66, Teton, Idaho |
| | | | Robert Bartholomew | Tetonia, Idaho |
| | | | Edith Harrop | Box 297, Driggs, Idaho |
| 7 | 44 | 20 | U.S.A. | |
| 7 | 44 | 28 | U.S.A. | |
| | | | Lyle Smith | Felt, Idaho |
| 7 | 44 | 29 | U.S.A. | |
| 7 | 44 | 33 | Idaho Ag. Experiment St. | Tetonia, Idaho |
| 7 | 44 | 34 | c/o Hibbert Farms | Driggs, Idaho |

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State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

September 14, 1984

Re: Minimum Stream Flow Application on Teton River

Dear Property Owner:

The Idaho Water Resource Board will be holding a public meeting to solicit public input regarding a proposed minimum streamflow water right on a reach of Teton River. According to the records at the county courthouse, you are one of the owners of property adjacent to the reach where the minimum streamflow is proposed.

Information describing the application and the time and place of the meeting is shown on the enclosed fact sheet. Note that during the same meeting a proposed minimum streamflow on Bitch Creek will also be reviewed. Also enclosed is a brochure which describes the minimum streamflow procedure.

At the meeting you will have an opportunity to learn more about the application and to express your views. On behalf of the Idaho Water Resource Board, you are cordially invited to attend.

Sincerely,

David R. Tuthill Jr.

DAVID R. TUTHILL, JR., P.E.
Supervisor, Water Allocation Section

DRT:ls

Enclosures

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TON RIVER - PROPERTY OWNER

Hibbert Farms
Driggs,
Idaho 83422

Lynn Smith
Felt,
Idaho 83424

Echo Ranch
Tetonia,
Idaho 83452

Jay Ricks
295 S. 3rd E.
Rexburg, ID 83440

Klar F. Jorgensen
634 College St.
Idaho Falls, ID 83401

George Rammell
Tetonia,
Idaho 83452

Irene Casper
1240 Susanne
Idaho Falls, ID 83401

J. Butts
Box 66
Teton, ID 83451

Robert Bartholomew
Tetonia,
Idaho 83452

Edith Harrop
Box 297
Driggs, ID 83422

Lyle Smith
Felt, ID 83424

Teton River
↓

Terry Hardman
33421 Hwy 224, Space 0
Estacada, OR 97023

Wm. J. McCarthy
4910 Hawthorne
Pocatello, ID 83201

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DEC 15 1989

State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Senators and Representatives
Letter

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

September 14, 1984

Re: Public Meetings Regarding Water Rights for Minimum Stream Flows

The Idaho Water Resource Board is planning to hold public meetings to solicit public input and reaction to four minimum streamflow applications for water rights proposed in or near your legislative district.

Applications on Fall River and Warm River will be reviewed at a meeting in the Fremont County Courthouse in St. Anthony at 7:30 p.m. on Wednesday, September 26. Applications on Teton River and Bitch Creek will be reviewed at a meeting in the Teton County Courthouse in Driggs at 7:30 p.m. on Thursday, September 27. Please find enclosed two fact sheets regarding the applications and a brochure which describes the minimum streamflow procedure.

On behalf of the Idaho Water Resource Board, you are cordially invited to attend.

Sincerely,

David R. Tuthill Jr.

DAVID R. TUTHILL, JR., P.E.
Supervisor, Water Allocation Section

DRT:ls

Enclosures

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DEC 15 1989

## Senators and Representatives

Sen. Vearl C. Crystal
Rt. 6, Box 232
Idaho Falls, ID 83401

Sen. Mark G. Ricks
Rt. 4, Box 173
Rexburg, ID 83440

Rep. Rich E. Orme
Box 32
St. Anthony, ID 83440

Sen. J. Marsden Williams
1950 Carmel Dr.
Idaho Falls, ID 83401

Rep. Kurt L. Johnson
Rt. 6, Box 407
Idaho Falls, ID 83401

Rep. Martin B. Trillhaase
Rt. 4, Box 226
Idaho Falls, ID 83401

Sen. Dane Watkins
2975 Fieldstream Lane
Idaho Falls, ID 83401

Rep. J. F. Chadband
460 E. Anderson
Idaho Falls, ID 83401

Rep. Gary L. Paxman
719 E. 16th St.
Idaho Falls, ID 83401

Rep. Linden B. Bateman
Rt. 1, Box 442
Idaho Falls, ID 83401

Rep. John O. Sessions
Box 10
Driggs, ID 83422

F. Melvin Hammond
149 Elm Ave.
Rexburg, ID 83440

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DEC 15 1989

State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

September 14, 1984

Re: Public Meetings Regarding Water Rights for Minimum Stream Flow

Dear Interested Party:

The Idaho Water Resource Board is planning to hold public meetings to solicit public input and reaction to four minimum streamflow applications for water rights in which you may have in interest.

Applications on Fall River and Warm River will be reviewed at a meeting in the Fremont County Courthouse in St. Anthony at 7:30 p.m. on Wednesday, September 26, 1984. Applications on Teton River and Bitch Creek will be reviewed at a meeting in the Teton County Courthouse in Driggs at 7:30 p.m. on Thursday, September 27, 1984. Please find enclosed two fact sheets regarding the applications and a brochure which describes the minimum streamflow procedures.

On behalf of the Idaho Water Resource Board, you are cordially invited to attend.

Sincerely,

David R. Tuthill

DAVID R. TUTHILL, JR., P.E.
Supervisor, Water Allocation Section

DRT:ls

Enclosures

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DEC 15 1989

Interested Parties

James Siddoway
County Courthouse
St. Anthony, ID 83445

Laurence Parker
County Courthouse
St. Anthony, ID 83445

Robert Reichert
Rt. #2
Fyler, ID 83328

Dale Rochwood
Rt. #1, Box 218
Idaho Falls, ID 83401

Reed Murdock
Rt. #5 Box 53
Blackfoot, ID 83221

Reid Oldham
Rt. #2, Box 297
Rexburg, ID 83440

Paul Berggren
Rt. #1, Box 231
Blackfoot, ID 83221

Lester Saunders
Hazelton, ID 83335

Preston Alchley
Ashton, ID 83420

Claude Storer
Rt. #8 Box 327
Idaho Falls, ID 83401

Phil Hanks
Rt. #4 Box 455
Burley, ID 83318

Ronni[illegible]rd
Presi[illegible]t - Teton Pipeline Assn.
Star Rt.
Newdale, ID 83436

Glen D. Nelson
Star Rt.
Newdale, ID 83436

Rex Ard
274 W. 1 S.
Rexburg, ID 83440

John C. Briggs
Box 96
Tetonia, ID 83452

Idaho Dept. of Lands
Statehouse
Boise, ID

Idaho Dept. of Parks and Recreation
Statehouse
Boise, ID

Mr. Clair Whitlock
State Director - BLM
3380 Americana Terrace
Boise, ID 83706

U.S. Forest Service
Ririe Hwy - Beeches Corner
Idaho Falls, ID 83401

Larry Cooke
County Courthouse
Driggs, ID 83422

Lowell B. Curtis
County Courthouse
Driggs, ID 83422

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DEC 15 1989

Reid Brower
County Courthouse
Driggs, ID 83422

DEPARTMENT OF WATER RESOURCES

State of Idaho, Statehouse, Boise, Idaho 83720
Phone: (208) 334-4440

FOR IMMEDIATE RELEASE

September 12, 1984

# NEWS RELEASE

BOISE--- The Idaho Water Resource Board (IWRB) will conduct two public information meetings in eastern Idaho this month to discuss proposed minimum stream flow applications on file with the Idaho Department of Water Resources (IDWR.)

The Wednesday, Sept. 26 meeting at the Fremont County Courthouse, court room, St. Anthony, at 7:30 p.m. will deal with two proposed instream flow applications on Fall and Warm Rivers.

The Thursday, Sept. 27 meeting at the Teton County Courthouse, court room, Driggs, at 7:30 p.m. concerns Teton River and Bitch Creek instream flow applications.

All four applications were filed on June 19, 1981, at the request of the Idaho Department of Fish and Game. The applications, which seek year-round protection of fisheries and spawning and rearing habitat, provide for the following rates of flows and locations:

Fall River---140 cubic feet per second (cfs) from Highway 32 downstream about eight miles.

Warm River----141 cfs from Highway 47 downstream about 1/2 mile.

more

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Teton River---106 cfs from Highway 33 downstream about nine miles.

Bitch Creek---28 cfs from Highway 32 downstream about six miles.

As required by law, if the Idaho Water Resource Board finds the proposed minimum stream flows to be in the public interest, the Idaho Department of Water Resources will conduct public hearings on the applications later in the year. After the hearings, the applications will be reviewed by the Director of the Department, for approval or denial. If approved, the applications must be sent to the Idaho Legislature, which may approve or reject them.

The public is encouraged to come and let the Idaho Water Resource Board know how it feels about any or all of these proposed instream flow rights, which, if approved, would be junior to any other established rights on the streams. These minimum stream flow rights also would not in any way affect any earlier, existing rights.

-30-

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Form No. 204
12/99
**FILING FEE $50.00**

For Office Use Only
$50 Fee Receipted by N/A
Date 3-21-00
Receipt No. [illegible]

# STATE OF IDAHO
# DEPARTMENT OF WATER RESOURCES
# REQUEST FOR EXTENSION OF TIME
## TO PROVIDE ADDITIONAL TIME IN WHICH TO SUBMIT PROOF OF BENEFICIAL USE FOR A WATER RIGHT PERMIT

The Idaho Department of Water Resources will consider this form as a request that the permit holder(s) be granted an additional period of time under the provisions of Section 42-204, Idaho Code in which to complete development of a water right.

Permit No. 22-07369

Name(s) of Permit Holder: IDAHO WATER RESOURCE BOARD

Address: 1301 N. Orchard Street City Boise State ID Zip 83706

Telephone No. (208) 327-7900 Date Proof is Due: April 1, 2000

Describe what work has been completed toward the development of this water right:
**(This must be filled out! If no work has been completed, show "none".)**

The Bureau of Reclamation has collected some data on the Teton River. The data collected is downstream of the reach for which the permit has been issued. This data may not be applicable for making the proof of beneficial use required.

Costing $ _____

The permit holder(s) has been unable to complete the remainder of the work for the following reasons:

Cooperating agencies have been waiting on the completion of BOR studies to determine if that data would be applicable to making this proof of beneficial uses. After completing their studies the BOR feels that the data collected may not provide information required. IDWR and Idaho Dept. of Fish and Game staff have determined that additional data will be required and that data will be collected within the next two years.

Permit holder(s) request an extension to April 1, 2005.

Clarence Parr
(Signature)*
**If other than permit holder, Power of Attorney must be supplied.*

---

**ACTION OF THE DEPARTMENT OF WATER RESOURCES**

**IT IS HEREBY ORDERED** that the above request for extension of time be APPROVED and the time within which to submit proof of beneficial use is extended to April 1, 2005.

Signed this 21st day of March, 20 00.

L. Glen Saxton
L. Glen Saxton, Chief
Water Allocation Bureau

Form No. 204
7/94

RECEIVED
MAR 17 1995
Department of Water Resources

For Office Use Only
$50 Fee Receipted by _____
Date _____
Receipt No. _____

**STATE OF IDAHO**
**DEPARTMENT OF WATER RESOURCES**

# REQUEST FOR EXTENSION OF TIME

## TO PROVIDE ADDITIONAL TIME IN WHICH TO SUBMIT PROOF OF BENEFICIAL USE FOR A WATER RIGHT PERMIT

The Idaho Department of Water Resources will consider this form as a request that the permit holder(s) be granted an additional period of time under the provisions of Section 42-204, Idaho Code in which to complete development of a water right.

Permit No. 22-07369

Name(s) of Permit Holder: Idaho Water Resource Board

Mailing Address: Statehouse Mail, Boise ID 83720

Date Proof is Due: 4/1/95 Telephone No. (208) 327-7992

Describe what work has been completed toward the development of this water right:
**(This must be filled out! If no work has been completed, show "none".)**

None

Costing $ _____

The permit holder(s) has been unable to complete the remainder of the work for the following reasons:

See attached letter from Dept. of Fish and Game, dated 3/8/95.

Permit holder(s) request an extension to 4/1, ~~19~~ 2000.

**FEE: $50.00**

F. Dan Gladle
(Signature)*

**If other than permit holder, Power of Attorney must be supplied.*

**ACTION OF THE DEPARTMENT OF WATER RESOURCES**

**IT IS HEREBY ORDERED** that the above request for extension of time be APPROVED and the time within which to submit proof of beneficial use is extended to **April 1, 2000.**

APPROVED
MAR 27 1995

Signed this 24th day of March, 19 95.

L. Glenn Saxton
Chief, Water Allocation Bureau

BEFORE THE DIRECTOR OF THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

| | |
|---|---|
| IN THE MATTER OF APPLICATION FOR PERMIT NO. 22-7369 (TETON RIVER) TO ESTABLISH A MINIMUM IN THE NAME OF THE IDAHO WATER RESOURCE BOARD | FINAL MEMORANDUM DECISION AND ORDER |

On November 28, 1988, the Department issued a Proposed Memorandum Decision and Order approving application for permit no. 22-7369, which proposed establishment of a minimum streamflow on the Teton River. Exceptions to the proposed decision were filed by John O. Sessions and R.J. Hoopes, attorney for Echo Ranch, Inc., Teton Pipeline Association, Mark Ricks and Jay Ricks (protestants). A response to the exceptions was filed by the Idaho Department of Fish & Game (Fish & Game).

The exceptions can be summarized as follows:

a. The minimum streamflow is not necessary to maintain trout habitat as set forth in findings of fact nos. two and four.

b. The establishment of a minimum streamflow is not in the public interest, particularly when the potential impact upon future development is considered.

c. Stream characteristics have not been studied sufficiently to establish that 106 cfs is the minimum, not optimum, minimum streamflow for the proposed nine mile minimum flow reach.

d. The Proposed Memorandum Decision and Order does not sufficiently protect diversions of water from the Teton River associated with exchange wells or released storage which compensate the river d[illegible] diversion.

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The following analysis discusses each of the exceptions. Findings of fact and conclusions of law are found after the analysis portion of the decision.

## RECREATIONAL AND FISHERY VALUES ON THE TETON RIVER

The protestants contested the adequacy of evidence submitted to support that the minimum streamflow was necessary for preservation of fisheries. The protestants also stated that there was insufficient evidence of fish habitat and recreational value.

The record contains evidence from fisheries experts, Fish & Game creel counts and surveys, and also statements from anglers regarding use and value of the Teton River as a trout stream. Sufficient evidence was submitted to establish that a minimum streamflow would protect an important fishery.

## PUBLIC INTEREST OF THE MINIMUM STREAMFLOW

The protestants contested the department's finding that the minimum streamflow was in the public interest. The exceptions did not specifically state the grounds for the objection, but, at the hearing, the protestants alleged that possible public use for future hydropower and agricultural developments should outweigh the public uses protected by a minimum streamflow.

Two questions must be resolved to determine public interest. The threshold question is whether the general public will benefit from the minimum streamflow. If public worth is established, the Department must also determine whether the public benefit derived from the minimum streamflow outweighs possible public detriments caused by curtailment of uses that may also benefit the public.

Evidence was presented establishing general public use by fishermen and recreationists. Members of the public also testified about public use of the river. A public benefit was established by the testimony [illegible]

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The protestants claimed that the minimum streamflow would curtail agricultural development, but did not identify additional lands to be developed. When asked what other agricultural developments were proposed, one of the protestants stated that he knew of no additional lands planned for development. Furthermore, most natural flows of the Teton River are already appropriated for downstream use. The public benefits of the minimum streamflow outweigh the public benefits that may be derived by denying the minimum streamflow in anticipation that additional land may be irrigated with Teton River water.

A hydropower site has been proposed within the minimum streamflow reach by Energy Gap, Inc. The record contains some general testimony about the reduced cost of hydroelectricity, but no testimony was presented showing the direct local public benefit of the proposed project. As a result, the local public benefits of the minimum streamflow outweigh local public benefits that would result from the production of hydropower with the water.

Finally, the Proposed Memorandum Decision and Order recognizes that a commitment of a substantial amount of water to a minimum streamflow, without some means of recourse, could jeopardize the use of the water in the future for some greater public need. Recognizing the changing public need, the Department retained jurisdiction over the permit in paragraph eight of the order. The retention of jurisdiction clause states that the Director may review and amend any and all parameters of the minimum streamflow permit and subsequent license. Procedural and evidentiary requirements must be satisfied prior to amendment by the Director, but the establishment of a minimum streamflow at this juncture does not prevent a future re-evaluation of the matter. The minimum streamflow remains subject to a dynamic public interest.

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## SUFFICIENCY OF STUDIES TO ESTABLISH A MINIMUM STREAMFLOW

The Proposed Memorandum Decision and Order found that the single cross section of the river channel studied does not represent the topography of the river channel through the entire minimum flow reach. It also concluded that a single cross section study cannot establish the true minimum flow for every cross section of the entire reach. The protestants contend that these findings and conclusions contradict a conclusion that 106 cfs is an approximate minimum flow, and also contend that the minimum flow has not been established.

Failure to more extensively study the entire reach proposed for a minimum streamflow is not fatal to the application. If the administrative process for this minimum streamflow culminated with the issuance of this decision, all evidence would have to be refined and submitted at the time of the hearing. The minimum streamflow laws, however, were enacted to coincide with the appropriation process. Although the notice, hearing procedures and review criteria for a minimum streamflow application are different than related procedures for an ordinary application to appropriate water, the minimum streamflow statutes contemplate the filing of an application, an initial evaluation by the Department, and the issuance of a permit, if appropriate, with a period of time granted for "development." In the past the Department has required gathering of additional information by the Idaho Water Resource Board and the agency requesting the minimum streamflow to establish many of the criteria initially considered prior to the approval of the application. When a public concern is raised regarding one of the criteria considered, the Department has required additional studies during the "development" period.

In this case, the Department recognized that a single cross section would not model all of the various geographical conf[illegible] through the entire nine mile reach. A basis for issuing a permit for 106 cfs, however, was

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presented as evidence at the hearing. Further studies of other cross sections will be required in the lower portion of the minimum streamflow reach during the duration of the permit. Data from these studies must be submitted with proof of beneficial use. The data will be made available to the parties. Comments and further rebuttal may be submitted to the Department after proof of beneficial use is filed.

RECOGNITION OF EXCHANGE WELLS AND STORAGE WATER EXCHANGES

The protestants requested clarification regarding recognition of exchange wells and reservoir storage discharged to the Teton River to compensate for upstream withdrawal. The proposed memorandum decision did not clearly define these exchanges.

This decision recognizes exchange wells represented by water rights with dates of priority earlier than June 19, 1981. It also recognizes storage exchanges for water rights with dates of priority earlier than June 19, 1981.

The findings of fact, conclusions of law and order are amended as follows after due consideration of the exceptions:

FINDINGS OF FACT

1. Application for Permit No. 22-7369 proposes to appropriate a minimum flow in a reach of the Teton River beginning at the confluence of Bitch Creek and the Teton River, located in the NW1/4NE1/4, Sec. 20, T7N, R44E, B.M., Teton County, and extending upstream approximately nine miles to the intersection of Idaho State Highway 33 with the Teton River, located in the SE1/4SW1/4, Sec. 23, T6N, R44E, Teton County. The application proposes a flow rate of 106 cubic feet per second (cfs).

2. The purpose of the minimum stream flow appropriation is to maintain trout habitat throughout the reach described above.

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3. Records of historic stream flows show that the proposed minimum stream flow is exceeded 99% of the time, and only during winter months in dry years has the flow dropped below 106 cfs. Subtraction of estimated irrigation withdrawals for projects which have been developed subsequent to the period of flow records do not deplete flows in the Teton River below the proposed minimum flow.

4. The Teton River is a quality wild trout fishery, containing habitat for trout rearing and aquatic life.

5. A single study area approximately one-half mile downstream from the State Highway 33 bridge was used to model the entire nine-mile minimum stream flow reach. The proposed minimum stream flow was obtained by modeling the characteristics of the stream channel at the study area.

6. The Teton River at the test location is not representative of the river canyon in the lower portion of the proposed minimum stream flow reach. This finding is based upon statements of local residents who are familiar with the geography of the minimum flow reach vicinity.

7. Diversions from the Teton River are controlled by the watermaster for Water District 01. Flows of the Teton River within the proposed minimum flow reach provide water for downstream water rights. Future appropriations for consumptive use which may occur within, or upstream from, the minimum flow reach would be subject to all prior rights. Water in excess of the proposed minimum flow must pass through the minimum flow reach to satisfy downstream water rights.

8. Several pumping stations divert irrigation water from the Teton River within the proposed minimum flow reach. Some of these pumping stations divert water conditionally upon replacement of water back into the river downstream from the pumping station. Water from exc[illegible] reservoir

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storage is discharged into the river downstream of the river diversion to satisfy senior water rights.

9. The records of the watermaster of Water District 01 reflect that all exchange wells were operated prior to June 19, 1981, the proposed priority date of this application.

10. An application for permit to appropriate water, No. 22-7483, for hydropower use, in the name of Energy Gap, Inc., proposes diversion of 650 cfs of water from the Teton River for hydropower purposes. The application was filed on September 27, 1984, which is later in time than the filing date of this minimum flow filing.

11. Fall River Rural Electric Association (Fall River) owns a hydropower facility approximately one-quarter mile above the confluence of Bitch Creek and the Teton River. An agreement between Fall River & Fish and Game calls for bypass in the river of at least 20 cfs of water at the Fall River point of diversion. The bypass must be increased to 50 cfs for a variable three month period during the cutthroat spawning run. The bypass is for the purpose of fish passage during spawning.

12. Policy 4D of the Idaho State Water Plan reserves a dam site on the Teton River. The Bureau of Reclamation holds Permit No. 22-2290, filed with the Department on May 23, 1960. Permit No. 22-2290 authorizes construction of a dam on the Teton River. If the dam is ever constructed, backwater could inundate a portion of the minimum flow reach.

CONCLUSIONS OF LAW

1. Idaho Code § 42-1501 provides that stream flow preservation for the protection of fish and wildlife habitat and aquatic life, when made pursuant to

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this statute, is in the public interest and is declared to be a beneficial use of such water.

2. Idaho Code § 42-1503 sets forth the criteria to be considered by the Department in reviewing an application for minimum stream flow:

> Upon the conclusion of the hearings and completion of any investigation conducted by the Director, he shall enter his findings in writing approving the application in whole, or in part, or upon conditions or rejecting said application. Approval of any such application must be based upon a finding that such appropriation of minimum stream flow:
>
> (a) will not interfere with any vested water right, permit, or water right application with priority of right date earlier than the date of receipt in the office of the director of a complete application for appropriation of minimum stream flow filed under the provisions of this act;
>
> (b) is in public, as opposed to private, interest;
>
> (c) is necessary for the preservation of fish and wildlife habitat, aquatic life, recreation, aesthetic beauty, navigation, transportation, or water quality of the stream;
>
> (d) is the minimum flow or lake level and not the ideal or most desirable flow or lake level; and
>
> (e) is capable of being maintained as evidenced by records of stream flows and water levels and the existing or future establishment of necessary gauging stations and benchmarks.

3. A minimum stream flow of 106 cfs is capable of being maintained except in that portion of the stream where Fall River diverts water for hydroelectric generation at the Fall River hydropower diversion, where flows could drop to 20-50 cfs during minimum bypass periods.

4. A minimum stream flow is necessary to preserve fish and aquatic habitat in the Teton River.

5. A single study transect within a nine mile section of stream does not conclusively establish a minimum flow for the entire reach. A flow of 106 cfs may be the appropriate flow in the broader, upper [illegible] River, but may not be the minimum flow in the lower canyon.

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6. Sufficient evidence was submitted to establish that 106 cfs is an approximate minimum flow rate. Sections of stream channel at representative locations must be studied to determine the minimum, not optimum flow. The studies must be submitted to the Department at the time proof of beneficial use is submitted. The studies will be used in determining proper minimum flows to be licensed, not to exceed 106 cfs under this filing.

7. Exhaustive minimum streamflow studies are not required. The studies must be extensive enough, however, to accurately represent the channel slope, cross section and other fishery characteristics within the entire minimum flow reach.

8. The Director of the Department of Water Resources has considerable flexibility and authority to grant appropriations subject to future appropriations for uses which the public interest may show to be of greater importance. Shokal v. Dunn, 109 Idaho 330, 337, 707 P.2d 441 (1985).

9. A perpetual commitment of a significant amount of water from the Teton River without a workable method of changing the terms of that use could at some future date adversely affect the public interest.

10. Other than diversions during high run-off or diversions for which water is replaced downstream through an exchange, the existing natural flows in the Teton River will pass through the minimum flow section on the way to downstream water users who have rights earlier in time than future water users from the Teton River.

11. Diversion of water within the minimum streamflow reach which will be replaced downstream by an exchange well, and which was pumping prior to June 19, 1981, should be senior to the minimum streamflow to the extent it is recognized by a valid water right with a date of priority earlier than June 19, 1981.

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12. Diversion of water within the minimum streamflow reach which will be replaced downstream by released storage water should have priority over this minimum streamflow to the extent the diversion is authorized by a valid water right with a date of priority earlier than June 19, 1981.

13. Further storage exchanges or groundwater exchanges associated with enlargement of existing delivery systems, transfers of water rights, or any increase in pumping capacity made after June 19, 1981, unless the development was authorized under a permit with date of priority earlier than June 19, 1981, will not be allowed to deplete the flows of the Teton River below 106 cfs, or the rate ultimately licensed under this right.

14. The use of water under this permit is subject to all prior rights.

15. The establishment of a minimum stream flow on the Teton River is in the public as opposed to the private interest.

16. Permit No. 22-2290 was filed earlier than this application for minimum stream flow and if perfected, has an earlier date of priority. Backwater of the reservoir authorized under Permit No. 22-2290 could inundate portions of the minimum flow reach.

17. Future use of the water of Teton River must be flexible enough to allow for further agricultural expansion and other uses of the water if they are found to be in the public interest.

ORDER

IT IS HEREBY ORDERED that Application for Permit No. 22-7369 is APPROVED subject to the following conditions:

1. This permit approves a minimum stream flow of 106 cfs except for that portion of the reach where flows are reduced to 20 - 50 cfs as a result of Fall River's hydroelectric diversions.

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2. Pending a general readjudication of the Teton River system, the use of water under this permit shall recognize and allow the continued beneficial diversion, both within and upstream from the minimum flow reach, of water for irrigation and other purposes under any prior existing water right established by diversion and application to beneficial use or by an application, permit or license on file issued by the Director under the provisions of Chapter 2, Title 42, Idaho Code with a priority of water right date earlier than June 19, 1981, the priority date of this permit.

3. Diversions of water from the Teton River related to exchange well discharges that compensate for diversions from the Teton River, represented by a valid permit, adjudication claim, beneficial use claim, or license, or application for permit that has not yet been acted upon, and having a priority date earlier than June 19, 1981, are specifically recognized as senior to this permit to the extent that the filing is perfected in the administrative process or decreed by a court.

4. Diversion of water within the minimum streamflow reach may be replaced by released storage downstream and may diminish the minimum streamflow provided the diversion is authorized by a valid water right with a date of priority earlier than June 19, 1981.

5. Further storage exchanges or groundwater exchanges related to enlargement of existing delivery systems, transfers of water rights, or any increase in pumping capacity made after June 19, 1981, unless development was authorized under a permit with date of priority earlier than June 19, 1981, shall not deplete flows in the Teton River below 106 cfs, or the rate ultimately licensed under this right.

6. The minimum stream flow approved under this application is subject to control by the watermaster of Water District 01, Snake Ri

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7. The use of water under this permit shall be non-consumptive.

8. Upon the future finding and order of the Director that gauging stations are required to maintain the approved minimum flow on the Teton River, such measuring devices shall be permanently installed and maintained as specified by the Department.

9. Proof of instream beneficial use of the minimum stream flow appropriated shall be submitted in a manner approved by the Department on or before April 1, 1995 or within five (5) years after the permit approval is finally effective, whichever is later.

10. Sufficient proof has been filed with the Department regarding the beneficial use of fish habitat and recreational values. Sufficiency of flows has also been established. The record does not provide sufficient information, however, regarding the establishment of a minimum, not optimum, flow for the entire minimum flow reach. Additional modeling and support data must be submitted to the Department with the proof of beneficial use. The additional data must establish the level of a true minimum flow not to exceed 106 cfs for this filing for each distinctive identifiable reach, particularly in the canyon portions of the Teton River.

11. Upon receipt of proof of beneficial use and supporting minimum flow data, the Department will notify the parties that the information has been submitted, and will grant a short period of time for review and comment.

12. The Director retains jurisdiction to review and amend any and all parameters of this permit and subsequent license. Any person seeking review and amendment of the permit or license shall file a request with the Board, which request shall describe the amendment sought, the reasons for the proposed amendment, and a statement of the change in circumstances since the permit or license was issued or last reviewed that merit a review of the permit or

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license. A copy of the petition shall be served upon the Director of the Department of Water Resources. The Board, upon receiving a request, or upon its own initiative, may petition the Director for an amendment to the permit or license. The petition must set forth any significant change in circumstances and evidence of public interest supporting the proposed amendment. The Director will notify the general public and specific persons or known interested parties of the proposed change, and conduct a hearing for the purpose of determining whether the permit or subsequent license should be amended in the public interest. The burden of proof at the hearing shall be upon the person or party seeking the amendment to establish that amendment of the permit or license would be in the public interest.

13. This minimum flow is subject to the future construction of a dam on the Teton River under Permit No. 22-2290.

Dated this 1st day of December, 1989.

R. KEITH HIGGINSON
Director

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DEC 15 1989

CERTIFICATE OF MAILING

I hereby certify that on the 4th day of December, 1989, I mailed a true and correct copy, postage prepaid, of the MEMORANDUM DECISION & ORDER to:

Idaho Water Resources Board
Statehouse
Boise, ID 83720

Idaho Dept. of Fish & Game
Statehouse
Boise, ID 83720

John Sessions
414 No. Main
Driggs, ID 83422

Energy Gap
Star Rt., Box 3654
Jackson, WY 83001

Echo Ranch, Teton Pipeline
Mark and Jay Ricks
C/O R.J. Hoopes
110 E. Main
P.O. Box 70
Rexburg, ID 83440

John C. Arkoosh
Attorney at Law
116 4th Ave. W.
P.O. Box 32
Gooding, ID 83330

Gary Slette
P.O. Box 1906
Twin Falls, ID 83303

Leigh Chantrill
Newdale, ID 83436

Jennifer Seifert

JENNIFER SEIFERT, Clerical Assistant

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DEC 15 1989

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

| | |
|---|---|
| In the Matter of Application for Permit No. 22-7369 (Teton River) to Establish a Minimum Stream Flow in the Name of the Idaho Water Resource Board | PROPOSED MEMORANDUM DECISION & ORDER |

On June 19, 1981, the Idaho Water Resource Board (Board) filed with the Department of Water Resources (Department) an Application for Permit to appropriate water to preserve a minimum stream flow on the Teton River, which is tributary to the Henrys Fork. The application was filed by the Board upon request of the Idaho Department of Fish and Game (Fish and Game) pursuant to Chapter 15, Title 42, Idaho Code.

Notice describing the proposed application and setting the time and place for the required hearing was properly published on October 17 and October 24, 1985. The public hearing was held at Driggs, Idaho on November 21, 1985.

Parties appearing in a formal capacity supporting the application were the Board and the Idaho Department of Fish and Game, which is the entity that requested the Board to file the application. The parties formally appearing in opposition to the application were John Sessions, Energy Gap, Inc., Echo Ranch, the Teton Pipeline, and Mark and Jay Ricks. Echo Ranch, the Teton Pipeline and Mark and Jay Ricks were represented by attorney R. Jay Hoopes. The primary objection of those opposed to the application was that future development would be curtailed. Other parties filing notices of appearance, but failing to appear were John C. Arkoosh, Richard Graves, Mitch Graves, Mitch Arkoosh, Bil[illegible] Peterson and Leigh Chantrill.

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Based upon sworn testimony, documentation, and statements included in the record, and upon his understanding of the law, the hearing officer, as a representative of the Director, finds, concludes, and orders as follows:

FINDINGS OF FACT

1. Application for Permit No. 22-7369 proposes to appropriate a minimum flow in a reach of the Teton River beginning at the confluence of Bitch Creek and the Teton River, located in the NW1/4NE1/4, Sec. 20, T7N, R44E, B.M., Teton County, and extending upstream approximately nine miles to the intersection of Idaho State Highway 33 with the Teton River located in the SE1/4SW1/4, Sec. 23, T6N, R44E, Teton County. The application proposes a flow rate of 106 cubic feet per second (cfs).

2. The purpose of the minimum stream flow appropriation is to maintain trout habitat throughout the reach described above.

3. Records of historic stream flows show that the proposed minimum stream flow is exceeded 99% of the time, and only during winter months in dry years has the flow dropped below 106 cfs. Subtraction of estimated irrigation withdrawals for projects which have been developed subsequent to the period of flow records do not deplete flows in the Teton River below the proposed minimum flow.

4. The Teton River is a quality wild trout fishery, with habitat for trout rearing and supporting aquatic life.

5. A single study area approximately one-half mile downstream from the State Highway 33 bridge was used to model the entire nine-mile minimum stream flow reach. The proposed minimum stream flow was obtained using the characteristics of the stream channel at the study area.

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6. The Teton River at the test location is not representative of the river canyon in the lower portion of the proposed minimum stream flow reach. This finding is based upon statements of local residents who are familiar with the geography of the minimum flow reach vicinity.

7. Several pumping stations divert irrigation water from the Teton River within the proposed minimum flow reach. Some of these stations divert under water rights with dates of priority later in time than the minimum flow filing. Other pumping stations divert water conditionally upon replacement of water back into the river downstream. Water from exchange wells or reservoir storage is discharged downstream of the river diversion to satisfy senior water rights.

8. An application for permit to appropriate water, No. 22-7483, for hydropower use, in the name of Energy Gap, Inc., proposes diversion of 650 cfs of water from the Teton River for hydropower purposes. The application was filed on September 27, 1984, which is later in time than this minimum flow filing.

9. Diversions from the Teton River are controlled by the watermaster for Water District 01. Flows of the Teton River within the proposed minimum flow reach provide water for downstream water rights. Future appropriations for consumptive use which may occur within, or upstream from, the minimum flow reach would be subject to all prior rights. Water in excess of the proposed minimum flow must pass through the minimum flow reach to satisfy downstream water rights.

10. Fall River Rural Electric Association (Fall River) owns a hydropower facility approximately one-quarter mile above the confluence of Bitch Creek and the Teton River. An agreement between Fall River and Fish and Game calls for bypass in the river of at least [illegible] cfs of water at the

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Fall River point of diversion. The bypass must be increased to 50 cfs for a variable three month period during the cutthroat spawning run. The bypass is for the purpose of fish passage during spawning.

11. Policy 4D of the Idaho State Water Plan reserves a dam site on the Teton River. The Bureau of Reclamation holds Permit No. 22-2290, filed with the Department on May 23, 1960. Permit No. 22-2290 authorizes construction of a dam on the Teton River. If the dam is ever constructed, backwater could inundate a portion of the minimum flow reach.

CONCLUSIONS OF LAW

1. Idaho Code § 42-1501 provides that stream flow preservation for the protection of fish and wildlife habitat and aquatic life, when made pursuant to this statute, is in the public interest and is declared to be a beneficial use of such water.

2. Idaho Code § 42-1503 sets forth the criteria to be considered by the Department in reviewing an application for minimum stream flow:

> Upon the conclusion of the hearings and completion of any investigation conducted by the Director, he shall enter his findings in writing approving the application in whole, or in part, or upon conditions or rejecting said application. Approval of any such application must be based upon a finding that such appropriation of minimum stream flow:
>
> (a) will not interfere with any vested water right, permit, or water right application with priority of right date earlier than the date of receipt in the office of the director of a complete application for appropriation of minimum stream flow filed under the provisions of this act;
>
> (b) is in public, as opposed to private, interest;
>
> (c) is necessary for the preservation of fish and wildlife habitat, aquatic life, recreation, aesthetic beauty, navigation, transportation, or water quality of the stream;
>
> (d) is the minimum flow or lake level and not the ideal most desirable flow or lake level; and

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(e) is capable of being maintained as evidenced by records of stream flows and water levels and the existing or future establishment of necessary gaging stations and benchmarks.

3. A minimum stream flow of 106 cfs is capable of being maintained except in that portion of the stream where Fall River diverts water for hydroelectric generation at the Fall River hydropower diversion, where flows could drop to 20-50 cfs during minimum bypass periods.

4. A minimum stream flow is necessary to preserve fish and aquatic habitat in the Teton River.

5. A single study transect of a nine mile section of stream channel with varying characteristics does not sufficiently establish a minimum flow. A minimum flow of 106 cfs may be appropriate in the broader, upper reach of the river, but does not establish the need for an identical minimum flow in the lower canyon. Sections of similar, comparable stream channel areas must be studied individually to determine the minimum, not optimum or even satisfactory, flows.

6. Studies that are prohibitively expensive are not required. The studies must be extensive enough, however, to properly represent the channel slope, cross section and other fishery characteristics within the minimum flow reach.

7. Sufficient evidence was submitted to establish that 106 cfs is an approximate minimum flow rate. Further studies will be required during the permit period as approved by the Department, which must be submitted with proof of beneficial use. The data gathered will be used to determine the proper minimum flows to be licensed.

8. The Director of the Department of Water Resources has considerable flexibility and authority to grant appropriations subject to

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future appropriations for uses which the public interest may show to be of greater importance. Shokal v. Dunn, 109 Idaho 330, 337, 707 P.2d 441 (1985).

9. A perpetual commitment of a significant amount of water from the Teton River without a workable method of changing the terms of that use could at some future date adversely affect the public interest.

10. The Department approved rights to divert flows from the upper reach of the Teton River which must be compensated by downstream discharge to the river from exchange wells or release of storage water so that the available water in the Teton River can be more effectively used on land where no other source of water is available.

11. Other than diversions during high run-off or diversions for which water is replaced downstream through an exchange, the existing natural flows in the Teton River will pass through the minimum flow section on the way to downstream water users who have rights earlier in time than future water users from the Teton River.

12. The use of water under this permit must be subject to all prior rights.

13. The establishment of a minimum stream flow on the Teton River is in the public as opposed to the private interest.

14. Permit No. 22-2290 was filed earlier than this application for minimum stream flow and if perfected, will be assigned an earlier date of priority. Backwater of the reservoir authorized under Permit No. 22-2290 could inundate portions of the minimum flow reach.

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15. Future use of the water of Teton River must be flexible enough to allow for further agricultural expansion and other uses of the water if they are found to be in the public interest.

ORDER

IT IS HEREBY ORDERED that Application for Permit No. 22-7369 is APPROVED subject to the following conditions:

1. Diversions of water from the Teton River for irrigation purposes that existed prior to the date of filing for this permit for minimum stream flow have a priority earlier than this permit.

2. This permit approves a minimum stream flow of 106 cfs except for that portion where flows are reduced to 20 - 50 cfs as a result of Fall River's hydroelectric diversions.

3. Pending a general re-adjudication of the Teton River system, the use of water under this permit shall recognize and allow the continued beneficial diversion, both within and upstream from the minimum flow reach, of water for irrigation and other purposes under any prior existing water right established by diversion and application to beneficial use or by an application, permit or license on file issued by the Director under the provisions of Chapter 2, Title 42, Idaho Code, with a priority of water right date earlier than the June 19, 1981 priority date of this permit.

3. The minimum stream flow approved under this application is subject to control by the watermaster of Water District 01, Snake River.

4. The use of water under this permit shall be non-consumptive.

5. Upon the future finding and order of the Director that gaging stations are required to maintain the approved minimum flow on the Teton River, such measuring devices shall be permanently installed and maintained as specified by the Department.

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6. Proof of instream beneficial use of the minimum stream flow appropriated shall be submitted in a manner approved by the Department on or before April 1, 1994 or within five (5) years after the permit approval is finally effective, whichever is later. The proof submitted shall include at least three years of flow data for the water course.

7. Sufficient proof has been filed with the Department regarding the beneficial use of fish habitat and recreational values. Sufficiency of flows has also been established. The record does not provide sufficient information, however, regarding the establishment of a minimum, not optimum, flow for the entire minimum flow reach. Additional modeling and support data must be submitted to the Department with the proof of beneficial use. The additional data must establish the level of a true minimum flow for the entire reach, particularly in the canyon portions of the Teton River.

8. The Director retains jurisdiction to review and amend any and all parameters of this permit and subsequent license. Any person seeking review and amendment of the permit or license shall file a request with the Board, which request shall describe the amendment sought, the reasons for the proposed amendment, and a statement of the change in circumstances since the permit or license was issued or last reviewed that merit a review of the permit or license. A copy of the petition shall be served upon the Director of the Department of Water Resources. The Board, upon receiving a request, or upon its own initiative, may petition the Director for an amendment to the permit or license. The petition must set forth any significant change in circumstances and evidence of public interest supporting the proposed amendment. The Director will notify the general public and specific persons or known interest[illegible] the proposed

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change, and conduct a hearing for the purpose of determining whether the permit or subsequent license should be amended in the public interest. The burden of proof at the hearing shall be upon the person or party seeking the amendment to establish that amendment of the permit or license would be in the public interest.

9. This minimum flow is subject to the future construction of a dam on the Teton River under Permit NO. 22-2290.

Dated this 28 day of November, 1988.

Bobby D. Fleenor

BOBBY D. FLEENOR
Hearing Officer

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CERTIFICATE OF MAILING

I hereby certify that on the 2nd day of December, 1988, I mailed a true and correct copy, postage prepaid, of the Proposed Memorandum Decision and Order To:

Idaho Water Resources Board
Statehouse
Boise, ID 83720

Idaho Dept. of Fish & Game
Statehouse
Boise, ID 83720

John Sessions
414 No. Main
Driggs, ID 83422

Energy Gap
Star Rt., Box 3654
Jackson, WY 83001

Echo Ranch, Teton Pipeline
Mark and Jay Ricks
C/O R.J. Hoopes
110 E. Main
P.O. Box 70
Rexburg, ID 83440

John C. Arkoosh
Attorney at Law
116 4th Ave. W.
P.O. Box 32
Gooding, ID 83330

Gary Slette
P.O. Box 1906
Twin Falls, ID 83303

Leigh Chantrill
Newdale, ID 83436

Kim Young

KIM YOUNG, Clerical
Assitant

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Department of Water Resources

BEFORE THE DIRECTOR OF THE DEPARTMENT

OF WATER RESOURCES OF THE

STATE OF IDAHO

| | |
|---|---|
| IN THE MATTER OF APPLICATION FOR PERMIT NO. 22-7369 (TETON RIVER) TO ESTABLISH A MINIMUM STREAM FLOW IN THE NAME OF THE IDAHO WATER RESOURCE BOARD | RESPONSE BY FISH AND GAME TO EXCEPTIONS FILED BY PROTESTANTS |

COMES NOW the Idaho Department of Fish and Game (hereinafter Fish and Game) and responds to the exception filed by Representative John Sessions (hereinafter Sessions) and joint exceptions filed by Echo Ranch, Inc., Teton Pipeline Association, Mark Ricks and Jay Ricks (hereinafter Echo Ranch).

A. Response to Sessions' Exceptions.

1. Exception No. 1 has already been recognized by Water Resources in its Conclusion of Law No. 5 and is provided for in Condition No. 7.

2. Exception No. 2 regarding the potential impact upon future development of lands does not need to be determined by the Director of Water Resources because it is not one of the statutory requirements. In addition, Protestants did not introduce any evidence on this matter at the hearing.

3. It is not necessary to adopt Exception No. 3. First the minimum stream flow cannot interfere with any prior vested water rights. Second the relief sought is beyond the scope of these

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proceedings since, if these rights exist, they were determined in another proceedings. Third, the exception is already provided for in Conclusions of Law Nos. 10 and 12.

B. Response to the Echo Ranch Exceptions.

4. Exception No. 1 is not well taken for two reasons. First, there is substantial competent evidence in the record to support Conclusions of Law Nos. 4 and 13. Second, Echo Ranch presents no evidence to support their exception.

5. The record clearly contains substantial competent evidence to support Findings of Fact Nos. 2 and 4 that a minimum flow is necessary to maintain trout habitat in Teton River.

The exception to Conclusion of Law No. 7 was recognized by the hearing officer and is provided for in Condition No. 7.

Echo Ranches' exception to Order No. 7 is not well taken since there is substantial competent evidence in the record to establish the beneficial use of fish habitat and recreation value of the stream reach.

6. Exception No. 3 was recognized by the hearing officer and was provided for in his conditions which require additional studies. Obviously, if the studies show a different flow is needed, the permit can be amended. At present, there is no evidence in the record to show that the flow provided for is not the minimum flow for this reach.

7. Exception No. 4 is the same as Sessions' No. 3. Fish and Game's response is the same as in paragraph 3 above.

DATED This 5th day of January, 1989.

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Stephen V. Goddard
Deputy Attorney General

CERTIFICATE OF MAILING

I hereby certify that on the 5th day of January, 1989, I mailed a true and correct copy, postage prepaid, of the RESPONSE BY FISH AND GAME TO EXCEPTIONS FILED BY PROTESTANTS to:

Idaho Water Resources Board
STATEHOUSE
Boise, ID 83720

John Sessions
414 North Main
Driggs, ID 83422

Echo Ranch, Teton Pipeline
Mark and Jay Ricks
c/o R.J. Hoopes
110 E. Main
P. O. Box 70
Rexburg, ID 83440

Gary Slette
P. O. Box 1906
Twin Falls, ID 83303

Energy Gap
Star Rt., Box 3654
Jackson, WY 83001

John C. Arkoosh
Attorney at Law
116 4th Ave. W.
P. O. Box 32
Gooding, ID 83330

Leigh Chantrill
Newdale, ID 83436

Terry Vernholm
Secretary/Records Manager

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DEC 19 1988
Department of Water Resources

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

| | |
|---|---|
| In the matter of Application for Permit No. 22-7369 (Teton River) to Establish a Minimum Stream Flow in the Name of the Idaho Water Resource Board | EXCEPTIONS TO THE PROPOSED DECISION |

Pursuant to Idaho Code §42-1701(a) and 67-5211, the following exceptions are filed on behalf of EHCO RANCH, INC., TETON PIPELINE ASSOCIATION, MARK RICKS, and JAY RICKS.

1. The minimum stream flow of 106 cfs is not in the public interest as is set forth in CONCLUSIONS OF LAW numbers 4 and 13.

2. Exception is taken to FINDINGS OF FACT numbers 2 and 4 which indicate that a minimum stream flow is necessary to maintain trout habitat. Exception is taken to CONCLUSION number 7 which indicates that sufficient evidence was produced to establish 106 cfs as the appropriate minimum flow rate. Exception is also taken to ORDER number 7 indicating that sufficient proof was filed regarding beneficial use for fish habitat and recreational value.

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3. No exception is taken to FINDINGS OF FACT numbers 5 and 6 which indicate that a single study of approximately one-half mile downstream from the bridge on State Highway 33 is not indicative nor representative of the entire nine mile stretch. These two (2) particular FINDINGS OF FACT make impossible CONCLUSION OF LAW set forth in paragraph 7 of the CONCLUSIONS OF LAW section. That is, a study was taken only on the first approximately one-half mile of nine mile stretch. Since that first one-half mile is significantly different than the remaining eight and one-half miles, paragraph 7 of the CONCLUSIONS OF LAW is inappropriate. Sufficient evidence was not established to appropriate 106 cfs as a minimum flow rate. Assuming for purposes of argument only that 106 cfs was established as appropriate for the first one-half mile, a minimum flow rate should have been granted for that section only and not for the entire nine mile stretch.

4. If the Director finds that a minimum stream flow of 106 cfs is in the public interest, paragraph 1 of the Order should be amended to specifically read that the exchange wells and exchange of reservoir storage water discharged downstream as set forth in paragraph 7 of the FINDINGS OF FACT existed prior to the date of filing and should have priority over permit number 22-7369.

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DEC 15 1989

Dated this 16th day of December, 1988.

JoAnn B. Stringham (for)
R. J. Hoopes, Esq.
HOOPES & THOMSON
Attorneys at Law
130 East Main Street
Post Office Box 70
Rexburg, Idaho 83440
(208) 356-9000

CERTIFICATE OF MAILING

I HEREBY CERTIFY that a true and correct copy of the foregoing was on this date served upon the persons named below, at the address set out below their names, by mailing to them a true and correct copy of said document in a properly addressed envelope in the United States mail, postage prepaid.

DATED this 16th day of December, 1988.

Sundee Jensen
Secretary

The Department of Water Resources
1301 North Orchard Street
Statehouse Mail
Boise, Idaho 83720

John Sessions
414 North Main
Driggs, Idaho 83422

Gary Slette
Post Office Box 1906
Twin Falls, Idaho 83303

Idaho Dept of Fish & Game
Statehouse Mail
Boise, Idaho 83720

Energy Gap
State Route, Box 3654
Jackson, WY 83001

John C. Arkoosh
Attorney at Law
116 Fourth Avenue West
Gooding, Idaho 83330

Leigh Chantrill
Newdale, Idaho 83436

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DEC 15 1988

RECEIVED
JAN 06 1989
Department of Water Resources

BEFORE THE DIRECTOR OF THE DEPARTMENT
OF WATER RESOURCES OF THE
STATE OF IDAHO

| | |
|---|---|
| IN THE MATTER OF APPLICATION FOR PERMIT NO. 22-7369 (TETON RIVER) TO ESTABLISH A MINIMUM STREAM FLOW IN THE NAME OF THE IDAHO WATER RESOURCE BOARD | RESPONSE BY FISH AND GAME TO EXCEPTIONS FILED BY PROTESTANTS |

COMES NOW the Idaho Department of Fish and Game (hereinafter Fish and Game) and responds to the exception filed by Representative John Sessions (hereinafter Sessions) and joint exceptions filed by Echo Ranch, Inc., Teton Pipeline Association, Mark Ricks and Jay Ricks (hereinafter Echo Ranch).

A. Response to Sessions' Exceptions.

1. Exception No. 1 has already been recognized by Water Resources in its Conclusion of Law No. 5 and is provided for in Condition No. 7.

2. Exception No. 2 regarding the potential impact upon future development of lands does not need to be determined by the Director of Water Resources because it is not one of the statutory requirements. In addition, Protestants did not introduce any evidence on this matter at the hearing.

3. It is not necessary to adopt Exception No. 3. First the minimum stream flow cannot interfere with any prior vested water rights. Second the relief sought is beyond the scope of these

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DEC 13 1989

proceedings since, if these rights exist, they were determined in another proceedings. Third, the exception is already provided for in Conclusions of Law Nos. 10 and 12.

B. Response to the Echo Ranch Exceptions.

4. Exception No. 1 is not well taken for two reasons. First, there is substantial competent evidence in the record to support Conclusions of Law Nos. 4 and 13. Second, Echo Ranch presents no evidence to support their exception.

5. The record clearly contains substantial competent evidence to support Findings of Fact Nos. 2 and 4 that a minimum flow is necessary to maintain trout habitat in Teton River.

The exception to Conclusion of Law No. 7 was recognized by the hearing officer and is provided for in Condition No. 7.

Echo Ranches' exception to Order No. 7 is not well taken since there is substantial competent evidence in the record to establish the beneficial use of fish habitat and recreation value of the stream reach.

6. Exception No. 3 was recognized by the hearing officer and was provided for in his conditions which require additional studies. Obviously, if the studies show a different flow is needed, the permit can be amended. At present, there is no evidence in the record to show that the flow provided for is not the minimum flow for this reach.

7. Exception No. 4 is the same as Sessions' No. 3. Fish and Game's response is the same as in paragraph 3 above.

DATED This 5th day of January, 1989.

MICROFILMED
DEC 15 1989

/s/
Stephen V. Goddard
Deputy Attorney General

CERTIFICATE OF MAILING

I hereby certify that on the 5th day of January, 1989, I mailed a true and correct copy, postage prepaid, of the RESPONSE BY FISH AND GAME TO EXCEPTIONS FILED BY PROTESTANTS to:

Idaho Water Resources Board
STATEHOUSE
Boise, ID 83720

John Sessions
414 North Main
Driggs, ID 83422

Echo Ranch, Teton Pipeline
Mark and Jay Ricks
c/o R.J. Hoopes
110 E. Main
P. O. Box 70
Rexburg, ID 83440

Gary Slette
P. O. Box 1906
Twin Falls, ID 83303

Energy Gap
Star Rt., Box 3654
Jackson, WY 83001

John C. Arkoosh
Attorney at Law
116 4th Ave. W.
P. O. Box 32
Gooding, ID 83330

Leigh Chantrill
Newdale, ID 83436

Terry Vernholm
Secretary/Records Manager

MICROFILMED
DEC 15 1989

JOHN C. ARKOOSH
Attorney at Law
P.O. Box 32
116 Fourth Avenue West
Gooding, Idaho 83330
Telephone: (208) 934-8401

RECEIVED
OCT 29 1985
Department of Water Resources
Eastern District Office

October 28, 1985

Mr. Ernest Carlson
IDAHO DEPARTMENT OF WATER RESOURCES
Eastern Region
150 Shoup - Suite 15
Idaho Falls, Idaho 83402

RE: Application for Permit 22-7369
Teton River Minimum Stream Flow

Dear Mr. Carlson:

Please find enclosed a Protest in the above entitled application.

Sincerely,

JOHN C. ARKOOSH

JCA:rw

Enclosure

MICROFILMED
DEC 13 1989

RECEIVED
OCT 29 1985
Department of Water Resources
Eastern District Office

JOHN C. ARKOOSH
Attorney at Law
P. O. Box 32
Gooding, Idaho 83330
Telephone: (208) 934-8401

IDAHO DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR )
PERMIT NO. 22-7369, IN THE NAME OF) NOTICE OF PROTEST
THE STATE OF IDAHO )
)

COME NOW, John C. Arkoosh, Richard Graves, Bill Arkoosh, and Michael Arkoosh, all of Gooding, Idaho and John Peterson, Filer, Idaho, individually and as stockholders in Energy Gap, Inc., an Idaho corporation, and protest the above application for the following reasons:

(a) That it will reduce the quantity of water under existing water rights;

(b) The water supply itself is insufficient for the purpose for which it is sought to be appropriated;

(c) Is not made in good faith and is made for delay or speculative purposes;

(d) Is in conflict with the local public interest.

(e) Said application and the statutory scheme for minimum stream flow is in conflict with Article 15, Section 3 of the Idaho State Constitution.

MICROFILMED
DEC 15 1989

Protestants are stockholders in a corporation which holds an application to divert the waters of the Teton River for purposes of hydroelectric generation.

DATED this 28th day of October, 1985.

JOHN C. ARKOOSH

CERTIFICATE OF MAILING

I HEREBY CERTIFY that on this 28th day of October, 1985, I mailed a true and correct copy of the foregoing to Mr. Ernest Swanson, Idaho Department of Water Resources, Eastern Division, 150 Shoup, Suite 15, Idaho Falls, Idaho 83402, by placing same in the U. S. Mail, postage prepaid.

Rita Weaver

MICROFILMED
DEC 15 1989

BEFORE THE DIRECTOR OF THE DEPARTMENT

OF WATER RESOURCES OF THE

STATE OF IDAHO

| | |
|---|---|
| IN THE MATTER OF APPLICATION FOR PERMIT NO. 22-7369 (TETON RIVER) TO ESTABLISH A MINIMUM STREAM FLOW IN THE NAME OF THE IDAHO WATER RESOURCE BOARD | ORDER ISSUING PROPOSED MEMORANDUM DECISION |

R. Keith Higginson, Director of the Department of Water Resources, having reviewed the attached proposed decision prepared by his appointee, Bobby D. Fleenor, who conducted the hearing or who has read the record in the this case, hereby approves the same as a proposed decision pursuant to Idaho Code, Sec. 67-5211.

Each party to these proceedings who appeared at the hearing is given the opportunity, pursuant to Idaho Code, Sec. 42-1701A and 67-5211, to file exceptions to the proposed decision and to present briefs and oral arguments. If no timely and proper exceptions are received, an order by the Director will be entered adopting the proposed decision as his final decision.

## I.
## EXCEPTIONS

A. To be considered by the Director, exceptions must:

1. be received by the Director on or before the 15th day following the day of service of this Order and the proposed decision,

2. specifically identify the portions of the proposed decision to which exceptions are made and specifically state the grounds for those exceptions, and

3. be sent to each of the parties who appeared or their attorneys.

## II.
## BRIEFS

A. Any briefs in support of exceptions to the proposed decision shall be filed with the Director at the same time that party's exceptions are filed with the Director.

B. All response briefs to the exceptions must be filed with the Director within 15 days after the exceptions were served upon the responding party.

MICROFILMED

DEC 15 1989

III.

A. No oral arguments before the Director on the proposed decision will be held unless specifically requested by a party filing exceptions to the proposed decision and unless that request is filed with the Director concurrently with the filing of that party's exception.

B. If oral arguments have been properly requested by a party filing exceptions, any other party, upon reasonable notice to the Director, shall have the right to present oral argument in response to the exceptions filed.

C. Oral arguments before the Director on exceptions to the proposed decision shall be heard at the discretion of the Director, pursuant to Idaho Code, Sec. 42-1701A. If oral arguments are to be heard, the Director will, within a reasonable time, notify each party of the place, date and hour the oral arguments will take place and of the period of time allocated for the arguments of this case. Unless the Director orders otherwise, all oral arguments shall be heard in Boise, Idaho.

IV.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests oral arguments and other matters filed with the Director in connection with the proposed decision shall be served on all other parties to these proceedings in accordance with Rule 7.2.

V.

FINAL DECISION

Following the submission of all exceptions, briefs and oral arguments, if they are heard, the Director shall issue a final decision adopting, modifying or rejecting and replacing the proposed decision. Copies of the decision and order shall be served on all parties.

Dated this 2nd day of December, 1988.

R. KEITH HIGGINSON
Director

MICROFILMED
DEC 15 1989

NELSON, ROSHOLT, ROBERTSON, TOLMAN & TUCKER
Chartered
ATTORNEYS AT LAW
142 3RD AVE NO.
MAILING ADDRESS: P.O. Box 1906
TWIN FALLS, ID 83303-1906
TELEPHONE (208) 734-0700
SUN VALLEY (208) 726-4661

THOMAS G. NELSON
JOHN A. ROSHOLT
J. EVAN ROBERTSON
STEVEN K. TOLMAN
JAMES C. TUCKER

TERRY T. UHLING
LAIRD B. STONE
GARY D. SLETTE

RECEIVED
SEP 9 1985
Department of Water Resources
Eastern District Office

September 6, 1985

Idaho Department of Water Resources
Eastern Region
150 Shoup - Suite 15
Idaho Falls, ID 83402

RE: Application No. 22-7369

Dear Sir:

On behalf of certain individuals who intend to develop hydroelectric projects, I wish to oppose Application No. 22-7369 for a minimum stream flow of 106 c/f/s. My clients desire to oppose such flow volumes as being unnecessary, given the reduced minimum stream flows on the Felt Project.

I request notification be mailed to me regarding any meetings on this particular application.

Yours truly,

Gary D. Slette

GDS/kk
cc: Bruce Morley

MICROFILMED
DEC 19 1989

RECEIVED
OCT 28 1985
Department of Water Resources
Eastern District Office

Energy Gap, Inc.
Star Route Box 3654
Jackson, Wyoming 83001

October 24, 1985

Ernest Carlson
Idaho Department of Water Resources
Eastern Region
150 Shoup, Suite 15
Idaho Falls, Idaho 83402

RE: Application # 22-7369

Dear Mr. Carlson:

Thank you for the information regarding the November 21 hearing in Driggs regarding the above application.

On the telephone this morning you mentioned that Gary D. Slette had written a letter of protest to this application. I just want to confirm to you that Mr. Slette is our attorney and represents us in this matter.

We would like to be included on the docket to give testimony on November 21 and we'll be calling witnesses in that regard.

Thank you very much for your consideration.

Yours truly,

Bruce Morley
President

MICROFILMED
DEC 13 1985

**AFFIDAVIT OF PUBLICATION**

State of Idaho )
) ss
County of Teton )

I, Barbara Jones
being first duly sworn depose and say that I am the Sec
of the Teton Valley News, a newspaper as defined by Idaho Codes Annotated, Section 58-106, as amended, and that said newspaper is a weekly newspaper printed and published at Driggs, in Teton County, Idaho, having a general circulation in said county, and that said newspaper has been printed in said county for more that 78 consecutive weeks prior to the first publication of the attached notice, advertisement or publication of

Public Notice : Notice of Application for Minumum..

And affiant further says that said attached notice, advertisement or publication, as per clipping attached, was published in said newspaper, in the regular and entire issue thereof, and not in any supplement issure thereof, for 2 consecutive issues thereof; first publication having been made on the 13 day of August 19 81 and last publication on the 20 day of Aug., 1981

And affiant further says that at the times herein mentioned said newspaper was made up of at least eight pages of at least five columns each, printed from type matter, of at least sixteen inches deep.

Barbara Jones

Subscribed in my presence and sworn to before me this 17th day of Aug., 1981

(SEAL) Notary Public for the state of Idaho, residence and postoffice address, Driggs, Idaho.

My Commission expires
8-1-, 1982

**PUBLIC NOTICE**

Notice is hereby given th[at] the following application h[as] been submitted for permit [to] appropriate the public wate[rs] of the State of Idaho:

**Notice of Application for Minimum Stream Flow**

Notice is hereby given that the Idaho Water Resources Board has on June 19, 1981 submitted application 22-7369 for a permit to the Department of Water Resources proposing the appropriation of 106 cubic feet per second of water within the NW¼NE¼ Sec. 20, Twp. 5N, Rge. 44E, Teton County to preserve the minimum stream flow subject to all prior water rights for maintaining the present quality of fisheries and provide adequate spawning and rearing conditions year around in Teton River a tributary of Henry's Fork of the Snake River.

Pursuant to Title 42, Chapter 2 of the IDAHO CODE notice will be published of a later date setting a time and place for a hearing during which opportunity will be provided for public comment.

A. Kenneth Dunn
Director

Published in the Teton Valley News August 13 and 20.

RECEIVED
AUG 24 1981
Department of Water Resources
Eastern District Office

MICROFILMED
DEC 09

**AFFIDAVIT OF PUBLICATION**

State of Idaho )
) ss
County of Teton )

I, Barbara Jones being first duly sworn depose and say that I am the Sec. of the Teton Valley News, a newspaper as defined by Idaho Codes Annotated, Section 58-106, as amended, and that said newspaper is a weekly newspaper printed and published at Driggs, in Teton County, Idaho, having a general circulation in said county, and that said newspaper has been printed in said county for more that 78 consecutive weeks prior to the first publication of the attached notice, advertisement or publication of

Public Notice
Appl. # 22-7369

And affiant further says that said attached notice, advertisement or publication, as per clipping attached, was published in said newspaper, in the regular and entire issue thereof, and not in any supplement issure thereof, for 2 consecutive issues thereof; first publication having been made on the 13 day of Aug., 1981 and last publication on the 20 day of Aug 1981

And affiant further says that at the times herein mentioned said newspaper was made up of at least eight pages of at least five columns each, printed from type matter, of at least sixteen inches deep.

Barbara Jones

Subscribed in my presence and sworn to before me this 4th day of Sept., 1981

(SEAL) Notary Public for the state of Idaho, residence and postoffice address, Driggs, Idaho.

Douglas Andrus

My Commission expires
8-2, 1982

RECEIVED
SEP 8 1981
Department of Water Resources
Eastern District Office

**PUBLIC NOTICE**

Notice is hereby given [redacted] following application [redacted] submitted for perm[redacted] appropriate the public [redacted] of the State of Idaho [redacted] Notice of Application [redacted] Minimum Stream Flo[redacted]

Notice is hereby give[redacted] Idaho Water R[redacted] has on June 1[redacted] mitted application [redacted] permit to the Dep[redacted] Water Resources pr[redacted] appropriation of 1[redacted] per second of wate[redacted] NW¼NE¼ Sec. [redacted] Rge. 44E, Teton C[redacted] serve the minimum[redacted] subject to all pri[redacted] its for maintain[redacted] ent quality of fish[redacted] vide adequate [redacted] rearing conditi[redacted] nd in Teton [redacted] utary of Henry[redacted] ke River.

Pursuant to Title 42, Cha[redacted] 15 of the IDAHO CODE [redacted] l notice will be published [redacted] er date setting a time and [redacted] e for a hearing during [redacted] h opportunity will be [redacted] vided for public comment.

A. Kenneth Dunn
Director

Published in the Teton Valley News August 13 and 20, 1981.

MICROFILMED
DEC 15 1989

**THE CHRONICLE-NEWS**
**ST. ANTHONY, IDAHO**

# AFFIDAVIT OF PUBLICATION

STATE OF IDAHO
County of Fremont } ss

I, Terry Weatherston,
being first duly sworn, depose and say, that I am the printer of THE CHRONICLE-NEWS, a weekly newspaper printed and published weekly at St. Anthony, Fremont County, Idaho; and I do solemnly swear that the

Notice Of Public Meeting

a copy of which notice appears attached hereto, was published in the regular and entire issue of said newspaper, and not in any supplement issue thereof for 2 consecutive issues, the first publication having been made on September 13, 1984 and the last publication having been made on September 20, 1984.

Further, that said newspaper is one of general circulation in said county; that it is a legal newspaper, conforming to legal specifications under the Idaho Statutes; that it has at least two hundred bona fide subscribers living within the county of publication; and that it has been continuously and uninteruptedly published in said county during a period of seventy-eight consecutive weeks prior to the first publication of the said notice.

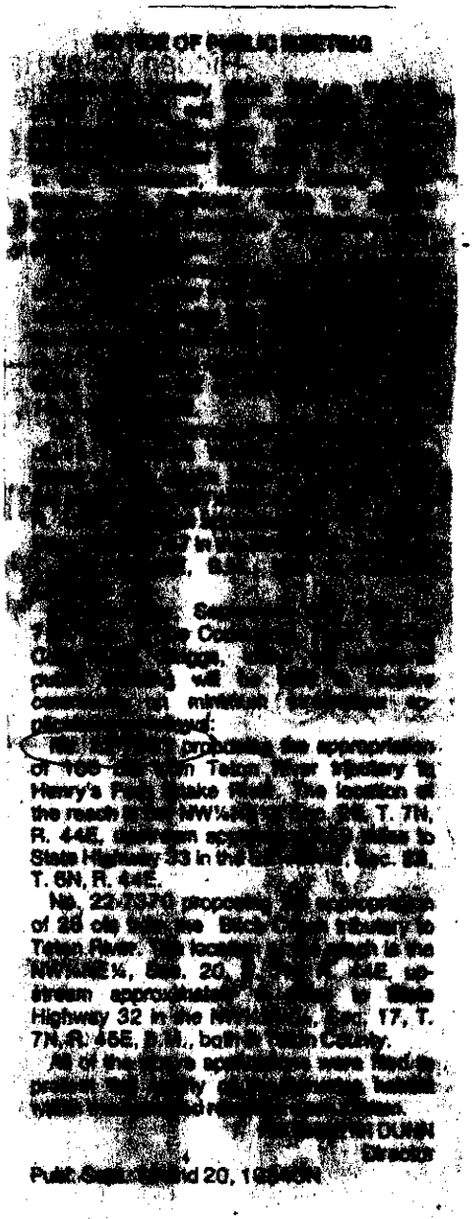
Terry Weatherston

Subscribed to and sworn to before me this September 21, 1984

Geri Garner
Notary Public.

(SEAL)

My commission expires life



RECEIVED
OCT 4 1984
Department of Water Resources
Eastern District Office

MICROFILMED
Dec 1 5 1989

# AFFIDAVIT OF PUBLICATION

State of Idaho )
) ss
County of Teton )

I, DeAnn Hatch
being first duly sworn depose and say that I am the Secretary of the Teton Valley News, a newspaper as defined by Idaho Codes Annotated, Section 58-106, as amended, and that said newspaper is a weekly newspaper printed and published at Driggs, in Teton County, Idaho, having a general circulation in said county, and that said newspaper has been printed in said county for more that 78 consecutive weeks prior to the first publication of the attached notice, advertisement or publication of

Notice of Public Meeting

And affiant further says that said attached notice, advertisement or publication, as per clipping attached, was published in said newspaper, in the regular and entire issue thereof, and not in any supplement issure thereof, for 2 consecutive issues thereof; first publication having been made on the 13 day of Sept, 1984 and last publication on the 20 day of Sept, 1984

And affiant further says that at the times herein mentioned said newspaper was made up of at least eight pages of at least five columns each, printed from type matter, of at least sixteen inches deep.

DeAnn Hatch

Subscribed in my presence and sworn to before me this 24 day of Sept, 1984

(SEAL) Notary Public for the state of Idaho, residence and postoffice address, Driggs, Idaho.

Linda Hammon

My Commission expires
9-29, 1986

NOTICE OF PUBLIC MEETING

NOTICE IS HEREBY GIVEN, that an informal public meeting will be conducted by the Idaho Water Resource Board on Wednesday, September 26, 1984 at 7:30 p.m. in the Courtroom, Fremont County Courthouse, St. Anthony, Idaho to receive comments on minimum streamflow applications as follows:

No. 21-7281 proposing the appropriation of 140 cfs of water from Fall River tributary to Henry's Fork Snake River. The location of the reach is the NE¼SE¼, Sec. 14, T. 8N, R. 41E, upstream approximately 8 miles to State Highway 32 in the SE¼NW¼, Sec. 18, T. 8N, R. 43E.

No. 21-7283 proposing the appropriation of 141 cfs from Warm River tributary to Henry's Fork Snake River. The location of the reach is the NW¼NW¼, Sec. 13, T. 9N, R. 43E, upstream approximately ½ mile to State Highway 47 in the SW¼SE¼, Sec. 12, T. 9N, R. 43E, B.M., both in Fremont County.

On Thursday, September 27, 1984 at 7:30p.m. in the Courtroom, Teton County Courthouse, Driggs, Idaho an additional public meeting will be held to receive comments on minimum streamflow applications as follows:

No. 22-7369 proposing the appropriation of 106 cfs from the Teton River tributary to Henry's Fork Snake River. The location of the reach is the NW¼NE¼, Sec. 20, T. 7N, R. 44E, upstream approximately 9 miles to State Highway 33 in the SE¼SW¼, Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from Bitch Creek tributary to Teton River. The location of the reach is the NW¼Ne¼, Sec. 20, T. 7N, R. 44E, upstream approximately 6 miles to State Highway 32 in the NW¼NW¼, Sec. 17, T. 7N, R. 45E, B.M., both in Teton County.

All of the above applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

A. Kenneth Dunn, Director.
Published in the Teton Valley News on September 13 and 20, 1984.

RECEIVED
SEP 24 1984
Department of Water Resources
Eastern District Office

MICROFILMED
DEC 1 5 1989

NAME OF STREAM: Teton River, a tributary of Henrys Fork Snake River

LEGAL DESCRIPTION OF THE POINT OF THE STREAM WHERE STREAM FLOW IS REQUESTED:

At confluence of Bitch Creek, Teton County, T. 7 N., R. 44 E., Sec. 20, NW¼NE¼

THE PROPOSED STREAM IN CUBIC FEET PER SECOND: 106 cfs.

THE PURPOSE FOR WHICH THE MINIMUM STREAM FLOW IS PROPOSED:

To maintain trout habitat from the point of requested flow upstream to Highway 33.

THE PERIOD OF TIME OR SEASON OF YEAR DURING WHICH APPROPRIATION IS PROPOSED:

All year.

EIVDENCE THAT THE APPROPRIATION WILL NOT INTERFERE WITH ANY VESTED WATER RIGHT, PERMIT, OR WATER APPLICATION OF EARLIER DATE OF PRIORITY:

The above requested flow is for instream nonconsumptive use and will be subject to all vested water rights, permits or water applications of earlier dates of priority.

EVIDENCE THAT THE APPROPRIATION WOULD BE IN THE PUBLIC INTEREST AS OPPOSED TO PRIVATE INTEREST:

The stretch of Teton River from Bitch Creek upstream to Highway 33 is an excellent fishery. Sections of the stretch are being managed as a high quality and trophy fishery for rainbow trout, brook trout, cutthroat trout and mountain whitefish. In 1975 anglers fished an estimated 18,000 hours to harvest 29,000 game fish in Teton River above Bitch Creek. The stream also supports populations of nesting waterfowl and furbearers.

EVIDENCE OR JUSTIFICATION THAT THE APPROPRATION IS NECESSARY FOR THE PURPOSES SHOWN ABOVE:

During 1977, personnel of the Idaho Department of Fish and Game collected field data from Teton River for use within stream flow methodologies in determining flows for fish and wildlife. Methodologies, techniques and flow recommendations are presented in the following publication:

> Cochnauer, Tim and Edwin Buettner. 1978. Stream Flow Investigations -- Stream Resource Maintenance Flow Determinations on Idaho Streams. Job Performance Report. Project F-69-R-3, Job II. Idaho Department of Fish and Game. 88 pp.

EVIDENCE THAT THE REQUESTED FLOW IS MINIMUM AND NOT THE IDEAL OR MOST DESIRABLE FLOW:

The ideal flow would be bankfull discharge or approixmately 210 cfs.

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DEC 15 1989

EVIDENCE THAT THE REQUESTED FLOW IS CAPABLE OF BEING MAINTAINED AS EVIDENCED BY RECORDS OF STREAM FLOWS: Flow records are available from the gage station described below.

LOCATION OF EXISTING GAGING STATION THAT CAN BE USED IN THE ADMINISTRATION OF THIS APPROPRIATION: Gage Station No. 130542, Teton County, NE¼SE¼, Sec. 20, T. 7 N., R. 44 E.

Form 202
3/78

Ident. No. 22 7369

# STATE OF IDAHO
# DEPARTMENT OF WATER RESOURCES
# APPLICATION FOR PERMIT

**To appropriate the public waters of the State of Idaho**

1. Name of applicant Idaho Water Resource Board Phone 384-2215

   Post office address Statehouse, Boise, Idaho 83720

2. Source of water supply Teton River which is a tributary of Henrys Fork Snake River

3. Location of reach is from NW ¼ of NE ¼ of Section 20 Township 7 N

   Range 44 E B.M. Teton County upstream approximately 9 miles to State Highway 33 in SE¼SW¼ Sec 23 T6N R44E Teton County.

4. Water will be used for the following purposes:

   Amount 106 (cfs or acre-feet per annum) for instream flow purposes from Jan. 1 to Dec. 31 (both dates inclusive)

   Amount _____ (cfs or acre-feet per annum) for _____ purposes from _____ to _____ (both dates inclusive)

   Amount _____ (cfs or acre-feet per annum) for _____ purposes from _____ to _____ (both dates inclusive)

   Amount _____ (cfs or acre-feet per annum) for _____ purposes from _____ to _____ (both dates inclusive)

5. Total quantity to be appropriated:

   a. 106 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

   a. Description of ditches, flumes, pumps, headgates, etc. _____

   b. Height of storage dam _____ feet, active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet, materials used in storage dam: _____

      Period of year when water will be diverted to storage _____ (Month/Day) to _____ (Month/Day) inclusive.

   c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 5 years *(minimum 1 year – maximum 5 years).*

8. Description of proposed uses:
   a. If water is **not** for irrigation:
      (1) Give the place of use of water: NW ¼ of NE ¼ of Section 20 Township 7 N.

      Range 44 E B.M.

      (2) Amount of power to be generated: _____ horsepower under _____ feet of head.

      (3) List number of each kind of livestock to be watered _____

      (4) Name of municipality to be served _____, or number of families to be supplied with domestic water _____.

      (5) If water is to be used for other purposes describe: To maintain trout habitat from the confluence with Bitch Creek upstream to Highway 33.

MICROFILMED
DEC 15 1989

b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below:

| TWP | RANGE | SEC. | NE¼ | | | | NW¼ | | | | SW¼ | | | | SE¼ | | | | TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SE¼ | SW¼ | |
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Total number of acres to be irrigated _____

c. Describe any other water rights used for the same purposes as described above. None

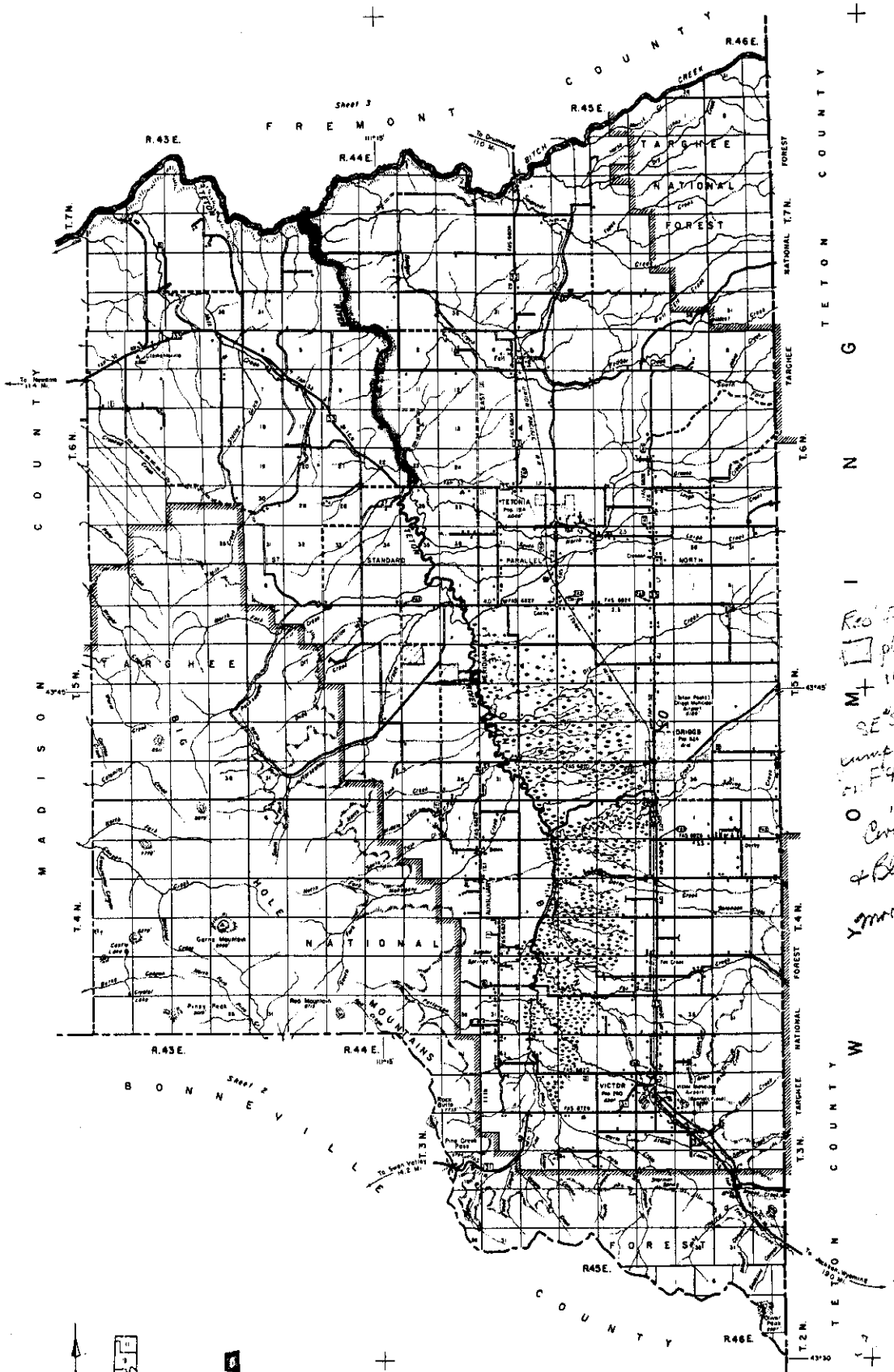
9. a. Who owns the property at the point of diversion _____

b. Who owns the land to be irrigated or place of use _____

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing _____

10. Remarks _____

DEC 15 1980



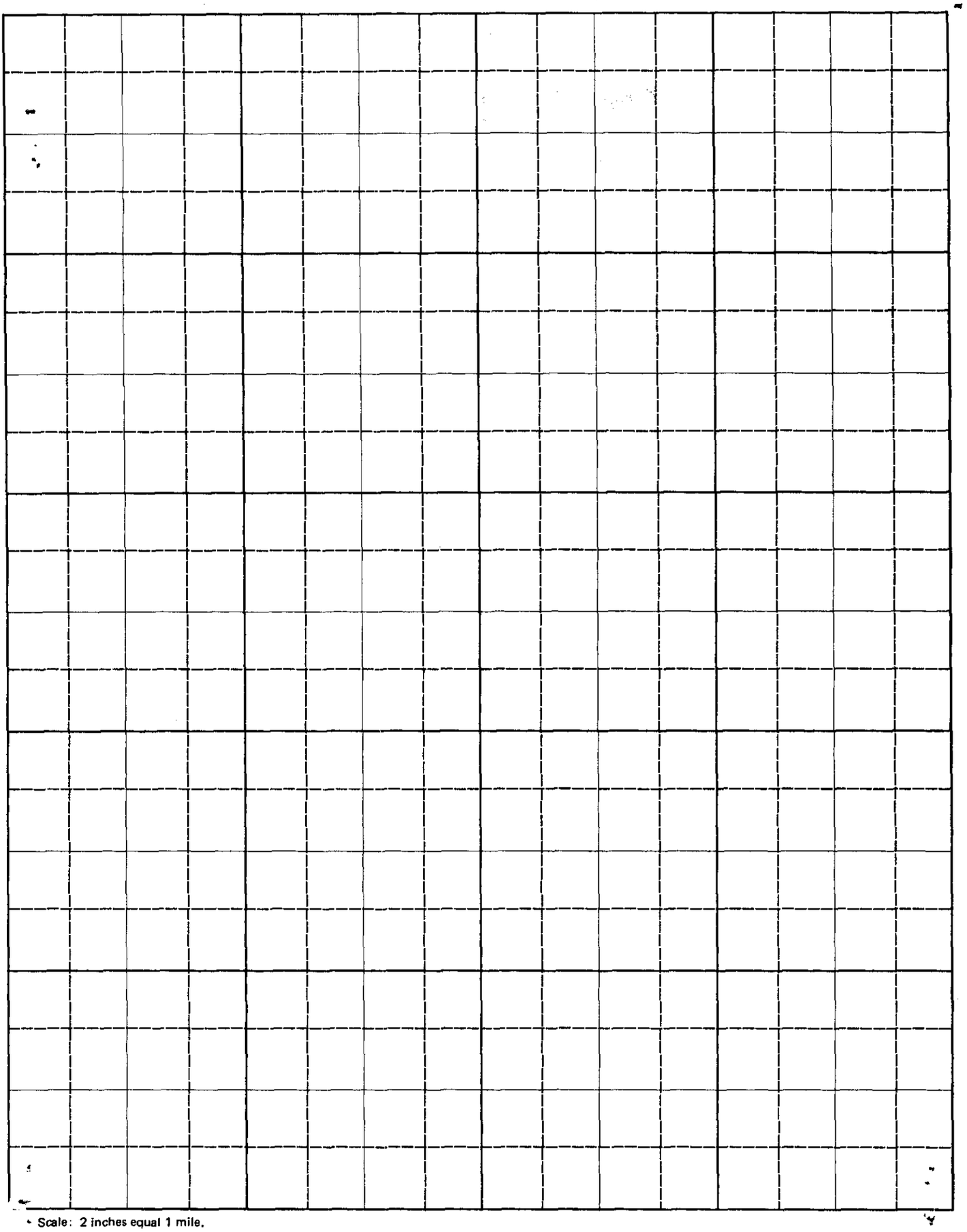

LEGEND

- Primitive road
- Unimproved road
- Graded and drained road
- Gravel road graded and drained
- Bituminous road - low type
- Paved road
- Private road (farm entrance, etc.)
- Local roads within municipalities
- Federal Aid Primary system
- Federal Aid Secondary system
- National Forest Highway
- State numbered highway
- End of marked route
- End of Federal Aid system
- End of National Forest Highway
- Distance measured between points
- Gate across road
- Railroad
- Railroad station
- Grade crossing
- Railroad bridge
- Intermittent stream
- Narrow stream
- Wide stream
- Lake, reservoir or pond
- Marsh or swamp land
- Springs
- Irrigation canal
- Minor structure (less than 20 ft.)
- General bridge (over 20 ft.)
- General bridge (over 200 ft.)
- Prominent elevation, butte
- Mountains or ridges
- Mountain pass
- Cattle guard
- State line
- County line
- Township line
- Section line
- Forest or reservation boundary line
- County Seat
- Other cities and villages
- Incorporated city or village
- Camp site
- Fair grounds or race track
- Drive-in theater
- Farm unit (in use) (not in use)
- Dwelling (in use) (not in use)
- Group of dwellings
- Dwelling and store
- Dwelling, business & filling station
- Dwelling, business, filling sta. & P.O.
- Store or small business
- Church (in use) (not in use)
- Cemetery
- School (in use) (not in use)
- Agricultural experiment station
- Power plant
- Warehouse-general
- Grain elevator
- Gravel pit
- Garbage dump grounds
- Culture shown out of position
- Triangulation station
- Latitude and longitude
- Airport, limited facilities
- Landing area or strip

# GENERAL HIGHWAY MAP
# TETON COUNTY

41
TETON COUNTY
1980 Pop. 7,839

11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

MICROFILMED

DEC 15 1989

M. Reed Hansen
(Applicant)

Chairman

Idaho Water Resource Board

KW 7/1/81 10:40
Received by YYL Date 6-19-81 Time 1:28

Preliminary check by EMC Fee $ N/A

Receipted by _____ Date _____

Publication prepared by KW Date 7-8-81

Published in TETON VALLEY NEWS

Publication dates 8-13 & 8-20-81 RE-AD: 10/17 & 10/24/85

Publication approved OW Date 9/9/81 11-12-85

Protests filed by: _____

Teton Valley News
~~Post~~ Register
Ashton Herald
~~Fremont~~ Cty Chron
Idaho Statesman
~~Lewiston~~ Morn Trib
Times News

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by _____

---

**ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES**

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 22-7369, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:

   a. SUBJECT TO ALL PRIOR WATER RIGHTS.

   b. Proof of construction of works and application of water to beneficial use shall be submitted on or before April 1, 1995 or within five (5) years after the permit is finally effective, whichever is later.

   c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

   d. Other: Pursuant to Final Memorandum Decision and Order

Witness my hand this 1st day of December, 1989.

R. Keith Higginson
Director

MICROFILMED
DEC 15 1989

# Proof of Publication

# The Post-Register

RECEIVED
SEP 24 1984
Department of Water Resources
Eastern District Office

State of Idaho,
County of Bonneville } ss.

I, J. Robb Brady, first being duly sworn, depose and say: That I am the Principal Clerk of The Post Company, a corporation of Idaho Falls, Bonneville County, Idaho, publishers of The Post-Register, a newspaper of general circulation, published daily, except Saturday, at Idaho Falls, Idaho; said Post-Register being a consolidation of the Idaho Falls Times, established in the year 1890, The Idaho Register, established in the year 1880 and the Idaho Falls Post, established in 1903, such consolidation being made on the 1st day of November, 1931, and each of said newspapers having been published continuously and uninterruptedly, prior to consolidation, for more than seventy-eighty (78) weeks and said Post-Register having been published continuously and uninterruptedly from the date of such consolidation, up to and including the last publication of notice hereinafter referred to.

That the notice, of which a copy is hereto attached and made a part of this affidavit, was published in said Post-Register for two consecutive weeks, first publication having been made on the 13th day of September, 19 84, last publication having been made on the 20th day of September, 19 84, and that the said notice was published in the regular and entire issue of said paper on the respective dates of publication, and that such notice was published in the newspaper and not in a supplement.

J. Robb Brady

Subscribed and sworn to before me, this 21st day of September, 19 84

Notary Public

My commission expires September 30, , 19 84

B10, 1M,

NOTICE OF PUBLIC MEETING

Notice is hereby given that an informational public meeting will be held by the Water Resources Board on October 26, 1984 at 7:30 p.m. in the Clark County Courthouse, County Commissioners' Room, Dubois, Idaho to receive comments on minimum streamflow applications as follows:

No. 21-7368 proposing the appropriation of 140 cfs of water from Bear River tributary to Henry's Fork Snake River. The location of the reach is the NW¼NW¼, Sec. 12, T. 9N, R. 41E, upstream approximately 7 miles to State Highway 32 in the SE¼NE¼, Sec. 18, T. 8N, R. 43E.

No. 21-7371 proposing the appropriation of 141 cfs from Willow Creek tributary to Henry's Fork Snake River. The location of the reach is the NW¼NW¼, Sec. 11, T. 9N, R. 43E, upstream approximately 7 miles to State Highway 47 in the SW¼SE¼, Sec. 18, T. 8N, R. 43E, B.M., both in Fremont County.

On Thursday, September 27, 1984 at 7:30 p.m. in the Courtroom, Teton County Courthouse, Driggs, Idaho an additional public meeting will be held to receive comments on minimum streamflow applications as follows:

No. 22-7369 proposing the appropriation of 106 cfs from the Teton River tributary to Henry's Fork Snake River. The location of the reach is the NW¼NE¼, Sec. 20, T. 7N, R. 44E, upstream approximately 9 miles to State Highway 33 in the SE¼SW¼, Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from [illegible] River. The location [illegible] 20 T. 7N, R. [illegible] to [illegible] 17 T. 7N, R. [illegible] All [illegible] protect [illegible] the application [illegible]

Published: September 13, 20, 1984

MICROFILMED
DEC 15 1989

**AFFIDAVIT OF PUBLICATION**

State of Idaho } ss.
County of Fremont }

Carol Bessey

being first duly sworn, upon his oath, deposes and says:

That she is the Editor of The Ashton Herald, a newspaper as defined by Idaho Codes Annotated, section 58-106, as amended, and that said newspaper is a weekly newspaper printed and published at St. Anthony, in Fremont County, Idaho, having a general circulation in said county, and that said newspaper has been printed and published as a weekly newspaper in said county for more than 78 consecutive weeks prior to the first publication of the attached notice, advertisement or publication of .....

Notice of Public Meeting

And affiant further says that said notice, advertisement of publication, as per clipping attached, was published in said newspaper, in the regular and entire issue thereof, and not in any supplement issue thereof, for ....2..... consecutive issues thereof; first publication having been made on the 13th day of September, 19.84, and the last publication on the 20th day of September 19.84.

And affiant further says that at the times herein mentioned said newspaper was made up of at least four pages of at least five columns each, printed from type matter, of at least seventeen and three-fourths inches deep.

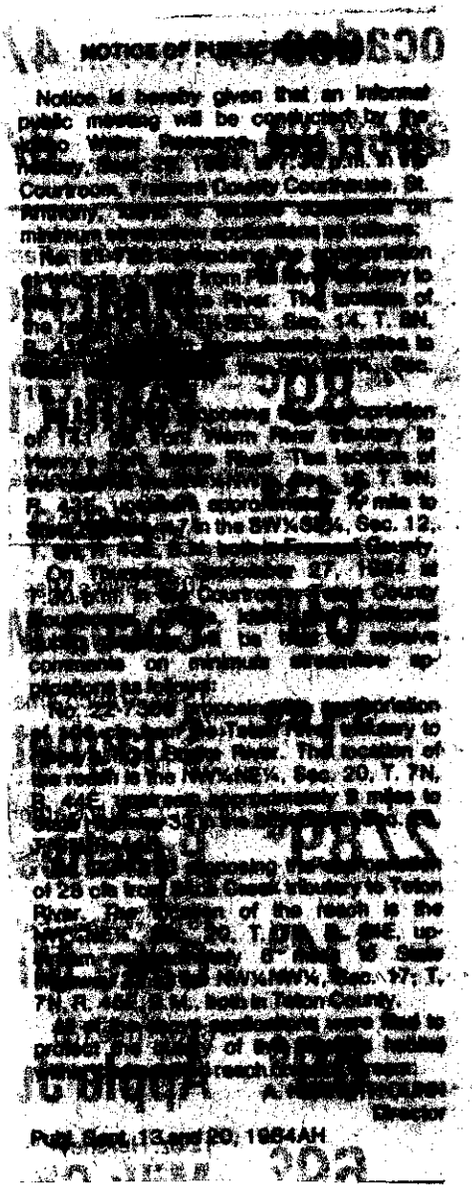
Carol Bessey

Subscribed in my presence and sworn to before me this 25th day of September, 19..84

Linda Sheldon

[SEAL] Notary Public for the State of Idaho, residence and post office address: ~~St. Anthony~~, Idaho. Ashton

RECEIVED
SEP 27 1984
Department of Water Resources
Eastern District Office



NOTICE OF PUBLIC MEETING

Notice is hereby given that an informal public meeting will be conducted by the Idaho Water Resource Board at 7:00 P.M. on Thursday, September 20, 1984 in the Courtroom of the Fremont County Courthouse, St. Anthony, Idaho for the purpose of obtaining public comment on the application for permit to appropriate the public waters of the Henrys Fork of the Snake River, tributary to the Snake River, as follows:

Pub. Sept. 13 and 20, 1984 AH

MICROFILMED
DEC 13 1989

STATE OF IDAHO )
) ss.
COUNTY OF ADA )

Laura Gay Barnes, being duly sworn, deposes and says: That she is the Principal Clerk of The Idaho Statesman, a daily newspaper printed and published at Boise, Ada County, State of Idaho, and having a general circulation therein and which said newspaper has been continuously and uninterruptedly published in said County during a period of twelve consecutive months prior to the first publication of the notice, a copy of which is attached hereto; that said notice was published in The Idaho Statesman in conformity with Section 60-108, Idaho Code as amended, for Two (2) consecutive weekly insertions beginning with the issue of October 17, 1985, and ending with the issue of October 24, 1985.

Laura Gay Barnes

Subscribed and sworn to before me this 24th day of October, 1985.

Jeanne M Hawke

Notary Public for Idaho, Residing at Boise, Idaho.

MICROFILMED
DEC 1 5 1989

RECEIVED
OCT 25 1985
Department of Water Resources
Eastern District Office

State of Idaho )
) ss
County of Teton )

Kristi Atkinson being first duly sworn depose and say that I am the Secretary of the Teton Valley News, a newspaper as defined by Idaho Codes Annotated, Section 58-106, as amended, and that said newspaper is a weekly newspaper printed and published at Driggs, in Teton County, Idaho, having a general circulation in said county, and that said newspaper has been printed in said county for more that 78 consecutive weeks prior to the first publication of the attached notice, advertisement or publication of

Notice of app. for min. flow.

And affiant further says that said attached notice, advertisement or publication, as per clipping attached, was published in said newspaper, in the regular and entire issue thereof, and not in any supplement issure thereof, for 2 consecutive issues thereof; first publication having been made on the 17 day of Oct. 1985 and last publication on the 24 day of Oct., 1985

And affiant further says that at the times herein mentioned said newspaper was made up of at least eight pages of at least five columns each, printed from type matter, of at least sixteen inches deep

Kristi Atkinson

Subscribed in my presence and sworn to before me this 24 day of Oct., 1985

(SEAL) Notary Public for the state of Idaho, residence and postoffice address, Driggs, Idaho.

My Commission expires

[illegible] 19....

**LEGAL NOTICE**

Notice is hereby given that the following applications have been submitted for permit to appropriate the public waters of the State of Idaho:

**NOTICE OF APPLICATION FOR MINIMUM STREAM FLOW**

Notice is hereby given that the Idaho Water Resource Board has on June 19, 1981 submitted the following applications for permits to the Department of Water Resources:

No. 22-7369 proposing the appropriation of 106 cfs of water from the Teton River tributary to Henrys Fork Snake River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 9 miles to State Highway 33 in the SESW Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from Bitch Creek tributary to Teton River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 6 miles to State Highway 32 in the NWNW, Sec. 17, T. 7N, R. 45E, B.M., both in Teton County.

The applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

The Director of the Department of Water Resources will hold a public hearing on the applications in the Courtroom, Teton County Courthouse, Driggs, Idaho at 9:30 a.m. November 21, 1985, for the purpose of hearing evidence in regard to the applications. The hearing will be held pursuant to the provision of Section 42-1503, **Idaho Code.**

Any party who wishes to formally appear at this proceeding for the purpose of presenting evidence or cross examining witnesses should file a notice of appearance with the Director of the Department of Water Resources, Statehouse, Boise, Idaho, five (5) days prior to the hearing. Other parties will be given an opportunity to informally present their views and comments without the necessity of filing a notice of appearance.

If issued the permit will be subject to all prior water rights.

**A. KENNETH DUNN**
**Director**

Published in the Teton Valley News on Oct. 17 and 24, 1985.

RECEIVED
OCT 25 1985
Department of Water Resources
Eastern Division Office

MICROFILMED
DEC 1 5 1989

# Affidavit of Publication

STATE OF IDAHO, }
COUNTY OF TWIN FALLS } ss.

**№ 15582**

I, Linda Copps McGuire being first duly sworn upon oath, depose and say that I am Price Clerk of the TIMES-NEWS, published daily, at Twin Falls, Idaho, and do solemnly swear that a copy of the notice of advertisement, as per clipping attached, was published in the regular and entire issue of said newspaper, and not in any supplement thereof, for Two consecutive Weeks, commencing with the issue dated October 17, 1985, and ending with the issue dated October 24, 1985.

MICROFILMED
DEC 13 1985

And I do further certify that said newspaper is a consolidation, effective February 16, 1942, of the Idaho Evening Times, published theretofore daily except Sunday, and the Twin Falls News, published theretofore daily except Monday, both of which newspapers prior to consolidation had been published under said names in said city and county continuously and uninterruptedly during a period of more than twelve consecutive months, and said TIMES-NEWS, since such consolidation, has been published as a daily newspaper except Saturday, and July 31, 1978, at which time said newspaper began daily publication under said name in said city and county continuously and uninterruptedly.

And I further certify that pursuant to Section 60-108 Idaho Code, Thursday of each week has been designated as the day on which legal notice by law or by order of any court of competent jurisdiction within the state of Idaho, to be published weekly, will be published; and that at the head of the editorial column of said combined newspapers, and in each issue thereof, Thursday is announced as the day on which said legal notices will be published.

Linda Copps McGuire

Subscribed and sworn to before me on this 24 day of October, 1985

Deana Bruce

Notary Public in and for the County of Twin Falls, State of Idaho, residing at Twin Falls, Idaho

# Proof of Publication

# The Post-Register

RECEIVED
OCT 28 1985
Department of Water Resources
Eastern District Office

State of Idaho,
County of Bonneville } ss.

I, J. Robb Brady, first being duly sworn, depose and say: That I am the Principal Clerk of The Post Company, a corporation of Idaho Falls, Bonneville County, Idaho, publishers of The Post-Register, a newspaper of general circulation, published daily, except Saturday, at Idaho Falls, Idaho; said Post-Register being a consolidation of the Idaho Falls Times, established in the year 1890, The Idaho Register, established in the year 1880 and the Idaho Falls Post, established in 1903, such consolidation being made on the 1st day of November, 1931, and each of said newspapers having been published continuously and uninterruptedly, prior to consolidation, for more than seventy-eighty (78) weeks and said Post-Register having been published continuously and uninterruptedly from the date of such consolidation, up to and including the last publication of notice hereinafter referred to.

That the notice, of which a copy is hereto attached and made a part of this affidavit, was published in said Post-Register for two consecutive weeks, first publication having been made on the 17th day of October, 19 85, last publication having been made on the 24th day of October, 19 85, and that the said notice was published in the regular and entire issue of said paper on the respective dates of publication, and that such notice was published in the newspaper and not in a supplement.

J. Robb Brady

Subscribed and sworn to before me, this 24th day of October, 19 85

Notary Public

My commission expires September 30, 19 88

B10, 1M,

MICROFILMED
DEC 1 0 1988

**TRIBUNE PUBLISHING COMPANY, INC**
The Lewiston Morning Tribune
505 C St., P.O. Box 957
Lewiston, Idaho 83501
(208) 743-9411

Date 102485 INVOICE No. L00059744

Account No. 44660

Description 59744LEGAL

Times 2 Lines 59

Tab Lines

**LEGAL ADVERTISING**
***INVOICE***

SOLD TO:

DEPT. OF WATER RESOURCES
150 SHOUP AVE. SUITE 15
TWIN FALLS
ID 83402

$ 51.63

RECEIVED
OCT 29 1985
Department of Water Resources
Eastern District Office

NOTICE: This is an invoice of Purchase made by you. Statement will be rendered the first of the month.
*Please Retain This Invoice as Your Statement. Will Refer To Invoice by No. Only.*

# AFFIDAVIT OF PUBLICATION

**LEGAL NOTICE**

Notice is hereby given that the following applications have been submitted for permit to appropriate the public waters of the State of Idaho:

NOTICE OF APPLICATION FOR MINIMUM STREAM FLOW.

Notice is hereby given that the Idaho Water Resource Board has on June 19, 1981, submitted the following applications for permits to the Department of Water Resources:

No. 22-7369 proposing the appropriation of 106 cfs of water from the Teton River tributary to Henrys Fork Snake River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 9¾ miles to State Highway 33 in the SESW, Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from Bitch Creek tributary to Teton River. The location of the reach is th NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 6 miles to State Highway 32 in the NWNW, Sec. 17, T. 7N, R. 45E, B.M., both in Teton County.

The applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

The director of the Department of Water Resources will hold a public hearing on the applications in the Courtroom, Teton County Courthouse, Driggs, Idaho at 9:30 a.m. November 21, 1985, for the purpose of hearing evidence in regard to the applications. The hearing will be held pursuant to the provision of Section 42-1503, Idaho Code.

Any party who wishes to formally appear at this proceeding for the purpose of presenting evidence or cross-examining witnesses should file a notice of appearance with the Director of the Department of Water Resources, Statehouse, Boise, Idaho, five (5) days prior to the hearing. Other parties will be given an opportunity to informally present their views and comments without the necessity of filing a notice of appearance.

If issued the permit will be subject to all prior water rights.

A. KENNETH DUNN
Director

RECEIVED
NOV 15 1985

STATE OF IDAHO, ss.
County of Nez Perce

S. L. Stone, being duly sworn, deposes and says, I am the Legal Clerk of the Tribune Publishing Company, a corporation organized and existing under and by virtue of the laws of the State of Idaho, publishers of the LEWISTON MORNING TRIBUNE, a newspaper of general circulation published at Lewiston, Nez Perce County, Idaho; That the said Lewiston Morning Tribune is an established paper and has been published regularly and issued regularly at least once a day for more than 21 consecutive years next immediately preceding the first publication of this notice, and has been so published uninterrupted for said period; that the

LEGAL NOTICE Notice is hereby given

attached hereto and which is made a part of this affidavit was published in the said Lewiston Morning Tribune, 2 time(s). Publication being on 101785, or once a week for two consecutive weeks, the first publication thereof being on the 101785, and the last publication thereof being on the 102485, and said LEGAL NOTICE Notice is hereby given was so published in the regular and entire issue of said newspaper and not in a supplement thereof and was so published in every issue and number of the said paper, during the period and times of publication as set forth above.

S. L. Stone

SUBSCRIBED AND SWORN BEFORE ME THIS THE 25 day of October 1985

Sheral M Lantz

Notary Public in and for the State of Idaho, residing at Lewiston, therein.

**AFFIDAVIT OF PUBLICATION**

State of Idaho }
} ss.
County of Fremont }

Helen M. Smith.....

being first duly sworn, upon ~~his~~ her oath, deposes and says:

That she is the business Clerk of The Ashton Herald, a newspaper as defined by Idaho Codes Annotated, section 58-106, as amended, and that said newspaper is a weekly newspaper printed and published at St. Anthony, in Fremont County, Idaho, having a general circulation in said county, and that said newspaper has been printed and published as a weekly newspaper in said county for more than 78 consecutive weeks prior to the first publication of the attached notice, advertisement or publication of .....

Notice of Public Hearing

Teton County

And affiant further says that said notice, advertisement of publication, as per clipping attached, was published in said newspaper, in the regular and entire issue thereof, and not in any supplement issue thereof, for ...2..... consecutive issues thereof; first publication having been made on the .17th.....

day of ..October....., 1985.,

and the last publication on the

24th day of..October.....

1985..

And affiant further says that at the times herein mentioned said newspaper was made up of at least four pages of at least five columns each, printed from type matter, of at least seventeen and three-fourths inches deep.

Helen M. Smith.....

Subscribed in my presence and sworn to before me this ..29th.....

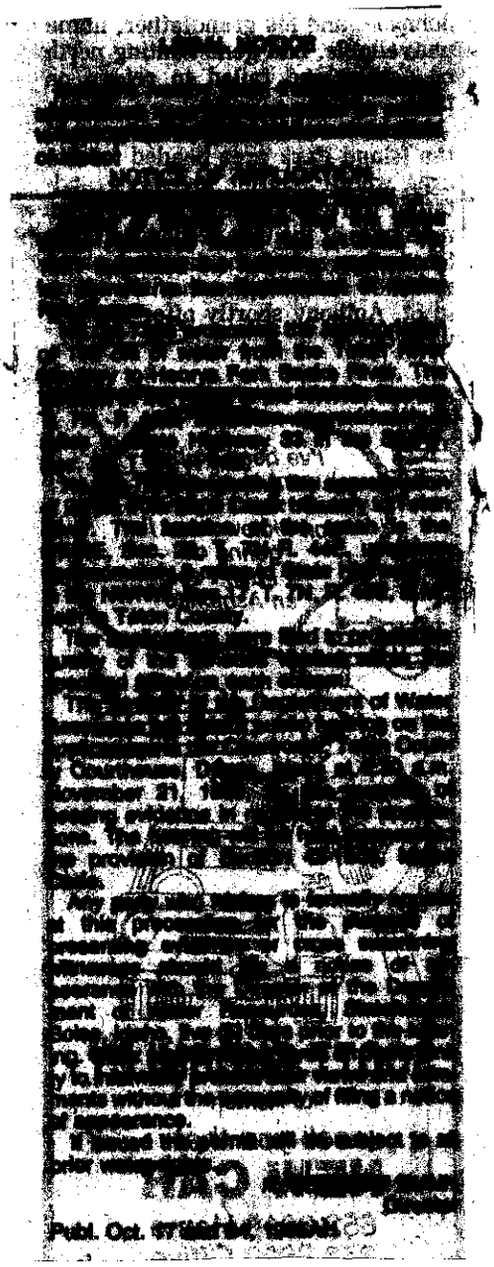
day of ..October.....,

19.85

James E. Holland.....

[SEAL] Notary Public for the State of Idaho, residence and post office address: ~~St. Anthony,~~ Idaho.
Ashton

RECEIVED
OCT 30 1985
Department of Water Resources
Eastern District Office



Publ. Oct. 17 1985 Teton 89

MICROFILMED
DEC 15 1989

THE CHRONICLE-NEWS
ST. ANTHONY, IDAHO

# AFFIDAVIT OF PUBLICATION

STATE OF IDAHO }
County of Fremont } ss

I, Terry Weatherston,
being first duly sworn, depose and say, that I am the printer of THE CHRONICLE-NEWS, a weekly newspaper printed and published weekly at St. Anthony, Fremont County, Idaho; and I do solemnly swear that the

Legal Notice

a copy of which notice appears attached hereto, was published in the regular and entire issue of said newspaper, and not in any supplement issue thereof for 2 consecutive issues, the first publication having been made on Oct. 17, 1985 and the last publication having been made on Oct. 24, 1985.

Further, that said newspaper is one of general circulation in said county; that it is a legal newspaper, conforming to legal specifications under the Idaho Statutes; that it has at least two hundred bona fide subscribers living within the county of publication; and that it has been continuously and uninteruptedly published in said county during a period of seventy-eight consecutive weeks prior to the first publication of the said notice.

Terry Weatherston

Subscribed to and sworn to before me this Oct. 25, 1985

Geri Garner
Notary Public.

(SEAL)

My commission expires life

RECEIVED
NOV 7 1985
Department of Water Resources
Eastern District Office

## LEGAL NOTICE

Notice is hereby given that the following applications have been submitted for permit to appropriate the public waters of the State of Idaho:

### NOTICE OF APPLICATION FOR MINIMUM STREAM FLOW

Notice is hereby given that the Idaho Water Resource Board has on June 19, 1981 submitted the following applications for permits to the Department of Water Resources:

No. 22-7369 proposing the appropriation of 106 cfs of water from Teton River tributary to Henrys Fork Snake River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 9 miles to State Highway 33 in the SESW, Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from Bitch Creek tributary to Teton River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 6 miles to State Highway 32 in the NWNW, Sec. 17, T. 7N, R. 45E, B.M., both in Teton County.

The applications were filed to protect the quality of the fisheries habitat within the specific reach on each stream.

The Director of the Department of Water Resources will hold a public hearing on the applications in the Courtroom, Teton County Courthouse, Driggs, Idaho at 9:30 a.m. November 21, 1985, for the purpose of hearing evidence in regard to the applications. The hearing will be held pursuant to the provision of Section 42-1503, Idaho Code.

Any party who wishes to formally appear at this proceeding for the purpose of presenting evidence or cross examining witnesses should file a notice of appearance with the Director of the Department of Water Resources, Statehouse, Boise, Idaho, five (5) days prior to the hearing. Other parties will be given an opportunity to informally present their views and comments without the necessity of filing a notice of appearance.

If issued the permit will be subject to all prior water rights.

A. KENNETH DUNN
Director

Publ. Oct. 17 and 24, 1985CN.

MICROFILMED
DEC 1 5 1989

**State of Idaho**
**DEPARTMENT OF WATER RESOURCES**
**1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098**
**Phone: (208) 327-7900 FAX: (208) 327-7866**

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

March 21, 2000

IDAHO WATER RESOURCE BOARD
1301 N ORCHARD ST
BOISE ID 83706

**RE: Permit No. 22-07369**

Dear Permit Holder:

Enclosed is a copy of the approved request for extension of time submitted in connection with the above referenced permit which extends the time within which to submit proof of beneficial use to **April 1, 2005.** The department has granted this extension based on governmental agency delay. It is important that you work diligently toward the completion of the development during the construction period allowed since the department **may not** be able to grant additional extensions in connection with this permit.

Section 42-248, Idaho Code, requires you or the owner of this water right to maintain current ownership and address records on file with the department. Please contact any office of the department for the proper form to file a change of ownership of a water right and/or a change in the address of the owner.

Please contact me directly at (208)327-7953, if you have any questions regarding this matter.

Sincerely,

Deborah Drew-Ellis

Deborah Drew-Ellis
Administrative Assistant
Water Allocation Bureau

Enclosure
c: IDWR - Regional Office
bcc: Bill Graham

## ANALYSIS SHEET FOR EXTENSION OF TIME

Permit No. 22-07369 Reviewed by [illegible] Date 3/21/00

**BASIC INFORMATION**

3/21/00 Date stamp received

Yes Extension received timely

N/A Fee received and receipted

Yes Name and signature same as permit

No Address Change

**BASIS FOR EXTENSION REQUEST**

_____ Has adequate work been completed to demonstrate due diligence?

No Has the permit been involved in litigation?
Is supporting documentation needed to complete the file?_____ Requested?_____

Yes Is delay by a government agency?
Is supporting documentation needed to complete the file?_____ Requested?_____

_____ Is the project more than 25,000 acre feet for irrigation or 10,000 acre feet for a reservoir?

**ACTION TAKEN**

Approve & advance proof due to 4/1/2005.

**PRIORITY CALCULATION**

| | | |
|---|---|---|
| Date extension received | _____ | = _____ |
| Proof due date | _____ | = _____ |
| Number of days late | _____ | = _____ |
| Priority date | _____ | = _____ |
| **New Priority Date** | _____ | = _____ |

**DATA ENTRY**

New Address No

Change Proof Due Date 4/1/2005

Change Priority Date No

January 31, 2000

STATE OF IDAHO
IDAHO WATER RESOURCE BOARD
STATEHOUSE MAIL
BOISE ID 83720

PROOF DUE NOTICE

RE: PERMIT NO. 22-07369

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before April 1, 2000. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

JULIE L. YARBROUGH
Senior Secretary

Enclosures

CERTIFIED MAIL
NO. Z 269 224 718

## ANALYSIS SHEET FOR EXTENSION OF TIME

Permit No. 22-07369 Reviewed by [signature] Date 3-24-95

**BASIC INFORMATION**

3-17-95 Date stamp received

Yes Extension received timely

_____ Fee received and receipted - none required

Yes Name and signature same as permit

no Address Change

**BASIS FOR EXTENSION REQUEST**

_____ Has adequate work been completed to demonstrate due diligence?

_____ Has the permit been involved in litigation?
Is supporting documentation needed to complete the file?_____ Requested?_____

X Is delay by a government agency?
Is supporting documentation needed to complete the file?_____ Requested?_____

_____ Is the project more than 25,000 acre feet for irrigation or 10,000 acre feet for a reservoir?

**ACTION TAKEN** Recommend extend to April 1, 2000, for Gov. Agency delay.

**PRIORITY CALCULATION**

| | | | |
|---|---|---|---|
| Date extension received | _____ | = | _____ |
| Proof due date | _____ | = | _____ |
| Number of days late | _____ | = | _____ |
| Priority date | _____ | = | _____ |
| **New Priority Date** | _____ | = | _____ |

**DATA ENTRY**

New Address X

Change Proof Due Date 4-1-2000

Change Priority Date X

**State of Idaho**
**DEPARTMENT OF WATER RESOURCES**
**1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098**
**Phone: (208) 327-7900 FAX: (208) 327-7866**

**PHILIP E. BATT**
GOVERNOR

**R. KEITH HIGGINSON**
DIRECTOR

March 24, 1995

Idaho Water Resource Board
Statehouse Mail
Boise, ID 83720

**RE:** Permit No. 22-07369

Dear Permit Holder:

Enclosed is a copy of your approved Request for Extension of Time submitted in connection with the above referenced permit. The time within which to submit proof of beneficial use is extended **April 1, 2000.**

Please note that the department has granted this extension based a government agency delay. It is important that you work diligently to develop the water right. The department **may not** be able to grant additional extensions.

If you have any questions or if I can be of any further assistance, please feel free to contact me.

Sincerely,

Julie L. Yarbrough

JULIE L. YARBROUGH
Senior Secretary

Enclosure

c: IDWR - Regional Office

RECEIVED
MAR 27 1995

**IDAHO FISH & GAME**
600 South Walnut / Box 25
Boise, Idaho 83707-0025

RECEIVED
MAR 0 9 1995
Department of Water Resources

**Phil Batt** / Governor
**Jerry M. Conley** / Director

March 8, 1995

Mr. John Beal
Planning Section
Idaho Department of Water Resources
1301 North Orchard Street
Boise, ID 83706

Dear John:

The Idaho Department of Fish and Game would like to request an extension of time to submit proof of beneficial use for water right permit number 22-07369 (minimum stream flow for the Teton River). We had scheduled field work during the summer of 1994, but because of unanticipated surgery and a lengthy recovery, I was unable to complete the work. We anticipate collecting the data this summer and will submit proof upon completing analysis. If you have further questions, please contact me.

Sincerely,

Cindy Robertson

Cindy Robertson
Fisheries Staff Biologist

CR:alb

cc: Bob Martin, Upper Snake Region

[illegible]
MAR 27 1995

7. The use of water under this permit shall be non-consumptive.

8. Upon the future finding and order of the Director that gauging stations are required to maintain the approved minimum flow on the Teton River, such measuring devices shall be permanently installed and maintained as specified by the Department.

9. Proof of instream beneficial use of the minimum stream flow appropriated shall be submitted in a manner approved by the Department on or before April 1, 1995 or within five (5) years after the permit approval is finally effective, whichever is later.

10. Sufficient proof has been filed with the Department regarding the beneficial use of fish habitat and recreational values. Sufficiency of flows has also been established. The record does not provide sufficient information, however, regarding the establishment of a minimum, not optimum, flow for the entire minimum flow reach. Additional modeling and support data must be submitted to the Department with the proof of beneficial use. The additional data must establish the level of a true minimum flow not to exceed 106 cfs for this filing for each distinctive identifiable reach, particularly in the canyon portions of the Teton River.

11. Upon receipt of proof of beneficial use and supporting minimum flow data, the Department will notify the parties that the information has been submitted, and will grant a short period of time for review and comment.

12. The Director retains jurisdiction to review and amend any and all parameters of this permit and subsequent license. Any person seeking review and amendment of the permit or license shall file a request with the Board, which request shall describe the amendment sought, the reasons for the proposed amendment, and a statement of the change in circumstances since the permit or license was issued or last reviewed that merit a review of the permit or [illegible]

MICROFILMED
DEC 15 1989
7 1995

January 31, 1995

STATE OF IDAHO
IDAHO WATER RESOURCE BOARD
STATEHOUSE MAIL
BOISE ID 83720

PROOF DUE NOTICE

RE: PERMIT NO. 22-07369

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before April 1, 1995. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

RECEIVED
MAR 27 1995

JULIE L. YARBROUGH
Senior Secretary

Enclosures

Hand delivered to Wayne Haas for the Board. 1/31/95 by

CERTIFIED MAIL
NO. H41892

STATE OF IDAHO
OFFICE OF THE ATTORNEY GENERAL
BOISE 83720

JIM JONES
ATTORNEY GENERAL

TELEPHONE
(208) 334-2400

January 6, 1991

The Honorable Stan Hawkins
Representative, District 33
Box 367
Ucon, Idaho 83454

RE: Legislative Review of Approved Minimum Stream Flow Applications

Dear Representative Hawkins:

You requested guidance regarding the action required by the Idaho Code to reject an approved minimum stream flow application. You asked whether a resolution disapproving the application must pass both chambers of the Legislature. The question turns upon the meaning of Idaho Code § 42-1503 (1990).

In 1987, this office opined that the provision in Idaho Code § 42-1503 providing for legislative review of minimum stream flows by concurrent resolution is unconstitutional. Part of the basis for that opinion was case law holding that legislative vetoes of agency rules by concurrent resolution violates several constitutional principles. Although the Idaho Supreme Court in Mead v. Arnell recently upheld a statute specifically authorizing legislative rejection of agency rules, this letter will not address the question of whether our conclusion in Attorney General Opinion No. 87-6, that the review portion of Idaho Code § 42-1503 is unconstitutional, has changed. This question involves complex constitutional issues requiring substantial legal research and review. The Idaho Supreme Court specifically stated, however, that the holding in Mead was narrow and "should not be deemed to apply to any situations, set of facts or possible application other than the rejection of an administrative rule or regulation that has been promulgated pursuant to legislatively delegated authority."

MICROFILMED
MAR 27 1995

Celebrate IDAHO
1890 • CENTENNIAL • 1990

THE STATE OF IDAHO

CENTENNIAL LEGISLATURE — SECOND REGULAR SESSION — 1990

IN THE SENATE

SENATE CONCURRENT RESOLUTION NO. 138

BY RESOURCES AND ENVIRONMENT COMMITTEE

A CONCURRENT RESOLUTION

APPROVING AN APPLICATION TO APPROPRIATE WATER FOR MINIMUM STREAMFLOW.

Be It Resolved by the Legislature of the State of Idaho:

WHEREAS, the Idaho Water Resource Board may apply for a permit to appropriate unappropriated waters of any stream to establish a minimum streamflow; and

WHEREAS, under the provisions of Section 42-1503, Idaho Code, an approved application shall not become finally effective until acted upon by the Legislature, except that if the Legislature fails to act prior to the end of the regular session to which the application was submitted, the application shall be considered approved; and

WHEREAS, the Director of the Department of Water Resources approved Application for Permit No. 22-7369 on December 1, 1989, by issuing a Final Memorandum Decision and Order authorizing the appropriation of a minimum streamflow in Teton River of 106 cfs from January 1 through December 31, except for that portion where flows are reduced to 20-50 cfs as a result of Fall River Rural Electric Cooperative hydroelectric diversion. The minimum streamflow begins at the confluence of Bitch Creek and the Teton River, located in the NW1/4NE1/4, Section 20, T7N, R44E, B.M., Teton County, and extends upstream approximately nine (9) miles to the intersection of Idaho State Highway 33 with the Teton River located in the SE1/4SW1/4, Section 23, T6N, R44E, Teton County.

NOW, THEREFORE, BE IT RESOLVED by the members of the Second Regular Session of the Centennial Idaho Legislature, the Senate and the House of Representatives concurring therein, that the same is hereby approved subject to the conditions and limitations contained in the Final Memorandum Decision and Order dated December 1, 1989, adopted by the Director of the Department of Water Resources.

MICROFILMED
MAY 29 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

January 10, 1990

RECEIVED
JAN 9 1990
Office of the Director
Legislative Council

Senator Michael Crapo, President
Senate Pro Tem
Statehouse
Boise, ID 83720

RE: Water Right Application for Permit for Minimum Streamflow No.: 22-7369, Teton River.

Dear Senator Crapo:

Enclosed please find a copy of the above referenced Application for Permit. Enclosed with the application is the decision and order which conclude the administrative processing of the application.

As you are aware, Section 42-1503, Idaho Code, requires that the application be reviewed by the legislature. As defined by statute, each application "(i) shall not become finally effective until affirmatively acted upon by concurrent resolution of the Idaho Legislature; or (ii) except that if the legislature fails to act prior to the end of the regular session to which the application was submitted, the application shall be considered approved."

This letter constitutes submittal of the application to the legislature for approval. Please advise me if you desire further information or presentation on the nature of the applications.

Sincerely,

R. KEITH HIGGINSON
Director

GS:RKH:js
Enclosures

cc. Legislative Council

MICROFILMED
MAY 29 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

January 10, 1990

RECEIVED
JAN 9 1990
Office of the Director
Legislative Council

Representative, Tom Boyd
Speaker of the House
Statehouse
Boise, ID 83720

RE: Water Right Application for Permit for ~~Minimum~~ Streamflow
No.: 22-7369, Teton River.

Dear Representative Boyd:

Enclosed please find a copy of the above referenced Application for Permit. Enclosed with the application is the decision and order which conclude the administrative processing of the application.

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Sincerely,

R. KEITH HIGGINSON
Director

GS:RKH:js
Enclosures

cc. Legislative Council

MICROFILMED
MAY 29 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

January 10, 1990

Representative, Tom Boyd
Speaker of the House
Statehouse
Boise, ID 83720

RE: Water Right Application for Permit for Minimum Streamflow
No.: 22-7369, Teton River.

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Sincerely,

Norman C Young

R. KEITH HIGGINSON
Acting for Director

GS:RKH:js
Enclosures

cc. Legislative Council

1/10/90

MICROFILMED
MAY 29 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

January 10, 1990

Senator Michael Crapo, President
Senate Pro Tem
Statehouse
Boise, ID 83720

RE: Water Right Application for Permit for Minimum Streamflow
No.: 22-7369, Teton River.

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This letter constitutes submittal of the application to the legislature for approval. Please advise me if you desire further information or presentation on the nature of the applications.

Sincerely,

R. KEITH HIGGINSON
Director

GS:RKH:js
Enclosures

cc. Legislative Council

MICROFILMED
MAY 29 1990

December 4, 1989

<address>

RE: Application for Permit No. 22-7369

Dear <sal>:

Please find enclosed a copy of the Final Memorandum Decision and Order and a copy of application no. 22-7369. Note the conditions of approval indicated in the Memorandum Decision and Order.

Any person who does not agree with the decision of the Department may request a rehearing before the Director within twenty (20) days, or may appeal directly to the district court within thirty (30) days of service of this decision. Department rules state that service is complete upon mailing of the document.

Sincerely,

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

Enclosure

FILMED
DEC 15 1989

Larry

# Maximum flow rates

| | | |
|---|---|---|
| 1978-79 | R & J Brown | 0 |
| | J Ricks | 0 |
| | Teton # 3 | 5 |
| | Teton # 2 | 11 |
| | Teton # 1 | 30 |
| | Teton # 4 | 16 |
| | | 62 cfs |

| | | |
|---|---|---|
| 1979-80 | R & J Brown | 6 |
| | J Ricks | 2 |
| | Teton # 3 | 4 |
| | Teton # 2 | 8 |
| | Teton # 1 | 25 |
| | Teton # 4 | 15 |
| | | 60 |

| | | |
|---|---|---|
| 1980-81 | R & J Brown | 0 |
| | J Ricks | 0 |
| | Teton # 3 | 4 |
| | Teton # 2 | 9 |
| | Teton # 1 | 27 |
| | Teton # 4 | 14 |
| | | 54 |

MICROFILMED
DEC 15 1989

| | | |
|---|---|---|
| 1981 - 1982 | R & J Brown | 15 |
| | J Ricks | 3 |
| | Teton #3 | 4 |
| | Teton #2 | 9 |
| | Teton #1 | 26 |
| | Teton #4 | 16 |
| | | 73 |
| 1982 - 1983 | R & J Brown | 15 |
| | J Ricks | 3 |
| | Teton #3 | 17 |
| | Teton #2 | 18 |
| | Teton #1 | 53 |
| | Teton #4 | 27 |
| | | 133 |
| 1983 - 84 | R & J Brown | 15 |
| | J Ricks | 3 |
| | Teton #3 | 13 |
| | Teton #2 | 6 |
| | Teton #1 | 35 |
| | | 72 |

DEC 15 19

| | | |
|---|---|---|
| 1984 - 85 | R & J Brown | 14 |
| | J Ricks | 3 |
| | Teton #3 | 34 |
| | Teton #2 | 7 |
| | Teton #1 | 17 |
| | | 75 |
| 1985 - 86 | R & J Brown | 17 |
| | J Ricks | 2 |
| | Teton #3 | 36 |
| | Teton #2 | 7 |
| | Teton #1 | 16 |
| | | 78 |
| 1986 - 87 | R & J Brown | 15 |
| | J Ricks | 2.3 |
| | Teton #3 | 34 |
| | Teton #2 | 6.2 |
| | Teton #1 | 15 |
| | | 72.5 |
| 1987 - 88 | R & J Brown | 19 |
| | J Ricks | 3 |
| | Teton #3 | 36 |
| | Teton #2 | 6.7 |
| | Teton #1 | 16 |
| | | 70.7 |

Teton River Rts.

| WR No. | | pump capacity (cfs) |
|---|---|---|
| 22 - 7108 | | 37.46 |
| 22 - 7111 | | |
| 22 - 7119 | | |
| 22 - 7121 | | |
| 22 - 7122 | | |
| 22 - 7148 | | |
| 22 - 7157 | | |
| 22 - 7186 | | |
| 22 - 7181 | 22 - 7110 | 10.35 |
| 22 - 7392 | | |
| 22 - 7116 | 22 - 7044 | 15.36 |
| 22 - 7120 | 22 - 7100 | |
| 22 - 7180 | 22 - 7159 | |
| 22 - 7196 | | 10.65 |

total · 73.85 cfs

(73.85 cfs)(1.9835)(214 days) = 31,347.0 afa

MICROFILMED

DEC 15 1989

MICROFILMED

Rts. prior to 6/19/81

**MEMORANDUM**

**TO:GARY**

**FROM:ROXANNE MCCARTHY**

**RE:** TETON RIVER RIGHTS

**DATE:** 3-NOV-1989

| WR No. | Status | cfs | afa |
|---|---|---|---|
| 2200221B | Decree | 0.709 | |
| 2200245B | Decree | 0.353 | |
| 2200288D | Decree | 0.010 | |
| 2200424B | Decree | 5.790 | |
| 2200425A | Decree | 2.880 | |
| 2200435B | Decree | 0.709 | |
| 2200551B | Decree | 1.260 | |
| 2200552B | Decree | 0.080 | |
| 2200553B | Decree | 0.550 | |
| 2200606 | Decree(power) | 80.00* | |
| 2202123A | License(power) | 70.00* | |
| 2202123B | License(power) | 80.00* | |
| 2202126 | License(power) | 150.00* | |
| 2207044 | License | 4.01 | 630.0 |
| 2207100 | License | 6.98 | 1683.0 |
| 2207108 | Permit | 9.00(R) | 1861.2 |
| 2207111 | Permit | 10.00(R) | 1965.0 |
| 2207110 | License | 5.12 | 1824.0 |
| 2207116 | Permit | 10.00(R) | 2208.0 |
| 2207119 | Permit | 6.00(R) | 1398.0 |
| 2207120 | Permit | 5.00(R) | 1392.0 |
| 2207121 | Permit | 8.00(R) | 2421.0 |
| 2207122 | Permit | 12.00(R) | 3591.0 |
| 2207148 | Permit | 7.00(R) | 2400.0 |
| 2207157 | Permit | 4.50(R) | 1910.1 |
| 2207159 | License | 1.90 | 285.0 |
| 2207180 | Permit | 9.56(R) | 1434.0 |
| 2207181 | Permit | 3.20(R) | 480.0 |
| 2207186 | Permit | 11.16(R) | 1674.0 |
| 2207196 | License | 1.00 | 424.5 |

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DEC 15 1989

| | | | |
|---|---|---|---|
| 2207208 | Permit(G) | 9.00(R) | 3820.2 |
| 2207209 | Permit(G) | 9.00(R) | 3820.2 |
| 2207211 | Permit(G) | 6.00(R) | 2400.0 |
| 2207216 | Permit(G) | 4.00(R) | 1697.9 |
| 2207223 | Permit(G) | 7.00(R) | 2160.0 |
| 2207235 | Permit(G) | 6.00(R) | 2208.0 |
| 2207247 | Permit(G) | 5.60(R) | 840.0 |
| 2207295 | Permit(G) | 3.36(R) | 1426.2 |
| 2207349 | Permit/exam pending | 5.00 | |
| 2207360 | Permit(G) | 2.00 | 848.9 |
| 22007351 | Permit(power) | 300.00* | |
| | TOTAL | 183.731 | 46802.2 |

(R) amount recommended during pre-license review
(G) groundwater right
* power rights (not included in totals)

MICROFILMED
DEC 15 1989

WR-NUMBER: 22-07349

CURRENT OWNER:
HIBBERT FARMS INC.
RT. 1 BOX 3220
DRIGGS, ID 83422

PRIORITY DATE: 03-12-1981

STAGE: PERMIT

COUNTY: TETON

WATER-DIST: 01

SOURCE: TETON RIVER

TRIBUTARY: SNAKE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 5.000 | | 04/01 | 11/01 |
| TOTAL: | 5.000 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 06N | 44E | 3 | NW NE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 07N | 44E | 33 | SW NE | | 5.0 |
| 07N | 44E | 33 | SE NE | | 20.0 |
| 07N | 44E | 33 | NE SE | | 40.0 |
| 07N | 44E | 33 | NW SE | | 10.0 |
| 07N | 44E | 33 | SW SE | | 2.0 |
| 07N | 44E | 33 | SE SE | | 30.0 |
| 06N | 44E | 2 | NE NE | | 40.0 |
| 06N | 44E | 2 | NW NE | | 40.0 |
| 06N | 44E | 2 | SW NE | | 40.0 |
| 06N | 44E | 2 | SE NE | | 40.0 |
| 06N | 44E | 2 | NE NW | | 40.0 |
| 06N | 44E | 2 | NW NW | | 40.0 |
| 06N | 44E | 2 | SW NW | | 40.0 |
| 06N | 44E | 2 | SE NW | | 40.0 |
| 06N | 44E | 2 | NE SW | | 40.0 |
| 06N | 44E | 2 | NW SW | | 40.0 |
| 06N | 44E | 2 | NE SE | | 40.0 |
| 06N | 44E | 2 | NW SE | | 40.0 |
| 07N | 44E | 34 | SW NE | | 20.0 |
| 07N | 44E | 34 | SE NE | | 20.0 |
| 07N | 44E | 34 | SW NW | | 20.0 |
| 07N | 44E | 34 | SE NW | | 20.0 |
| 07N | 44E | 34 | NE SW | | 40.0 |
| 07N | 44E | 34 | NW SW | | 40.0 |
| 07N | 44E | 34 | SW SW | | 20.0 |
| 07N | 44E | 34 | SE SW | | 22.0 |
| 07N | 44E | 34 | NE SE | | 40.0 |
| 07N | 44E | 34 | NW SE | | 35.0 |
| 07N | 44E | 34 | SW SE | | 15.0 |
| 07N | 44E | 34 | SE SE | | 40.0 |
| | | | TOTAL ACRES: | | 919.0 |

---

WR-NUMBER: 22-00435B

CURRENT OWNER:
MAX RAMMELL
MERRILL RAMMELL
BOX 427
DRIGGS, ID 834400000

PRIORITY DATE: 07-15-1889

STAGE: DECREED

COUNTY: TETON

WATER-DIST: 01

WR-NUMBER: 22-00435B (cont'd)

SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.709 | | 04/01 | 11/01 |
| TOTAL: | 0.709 | | | |

DECREE PLAINTIFF: REXBURG IRR. CO., ET AL
DECREE DEFENDANT: TETON IRR. CANAL CO., ET AL

REMARKS: TRANS. 1905.
P/D PUMP ON TETON RIVER.
SOURCE CHNGED FRM TRAIL CREEK TO TETON RIVR BY TRANS. 1905.

| | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| POINT OF DIVERSION: | 06N | 44E | 3 | NW SE | | |
| PLACE OF USE: | 06N | 44E | 6 | NE NW | | 31.0 |
| | 06N | 44E | 6 | NW NW | | 31.0 |
| | 06N | 44E | 6 | SW NW | | 31.0 |
| | 06N | 44E | 6 | SE NW | | 31.0 |
| | | | | TOTAL ACRES: | | 124.0 |

---

WR-NUMBER: 22-00245B

CURRENT OWNER:
MAX ROMMELL
MERRILL ROMMELL
P.O. BOX 427
DRIGGS, ID 83440

PRIORITY DATE: 04-01-1890

STAGE: DECREED

WATER-DIST: 01

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.353 | | 04/01 | 11/01 |
| TOTAL: | 0.353 | | | |

DECREE PLAINTIFF: REXBURG IRRIGATION CO. ET AL
DECREE DEFENDANT: TETON IRR. CANAL CO. ET AL

REMARKS: TRANS. #1905. P/D PUMP ON TETON RIVER. SOURCE: CHANGED FROM TRAIL CK. TO TETON RIVER BY TRANS. #1905.

| | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| POINT OF DIVERSION: | 06N | 44E | 3 | NW SE | | |
| PLACE OF USE: | 06N | 44E | 6 | NE NW | | 31.0 |
| | 06N | 44E | 6 | NW NW | | 31.0 |
| | 06N | 44E | 6 | SW NW | | 31.0 |
| | 06N | 44E | 6 | SE NW | | 31.0 |
| | | | | TOTAL ACRES: | | 124.0 |

---

WR-NUMBER: 22-00221B

CURRENT OWNER:
MAX RAMMELL
MERRILL RAMMELL
P.O. BOX 427
DRIGGS, ID

PRIORITY DATE: 09-01-1890

STAGE: DECREED

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.709 | | | |
| TOTAL: | 0.709 | | | |

DECREE PLAINTIFF: REXBURG IRRIGATION CO. ET AL
DECREE DEFENDANT: TETON IRR. CANAL CO. ET AL

REMARKS: TRANS. #1905. P/D PUMP FROM TETON RIVER. SOURCE: CHANGED FROM TRAIL CK. TO TETON RIVER BY TRANS. #1905.

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 06N | 44E | 3 | NW SE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 06N | 44E | 6 | NE NW | | 31.0 |
| 06N | 44E | 6 | NW NW | | 31.0 |
| 06N | 44E | 6 | SW NW | | 31.0 |
| 06N | 44E | 6 | SE NW | | 31.0 |
| | | | TOTAL ACRES: | | 124.0 |

---

WR-NUMBER: 22-07108

CURRENT OWNER:
J. CLINT HOOPES
MRS. E. G. BICKMORE
P.O. BOX 98
TETONIA, ID 83452

PRIORITY DATE: 10-11-1974

STAGE: PERMIT

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 9.000 | | 04/01 | 11/01 |
| TOTAL: | 9.000 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 06N | 44E | 3 | NW SE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 06N | 44E | 3 | SW NE | | 15.0 |
| 06N | 44E | 3 | SW NW | | 40.0 |
| 06N | 44E | 3 | SE NW | | 40.0 |
| 06N | 44E | 3 | NE SW | | 14.0 |
| 06N | 44E | 3 | NW SW | | 14.0 |
| 06N | 44E | 3 | NW SE | | 20.0 |
| 06N | 44E | 4 | NW NE | | 7.0 |
| 06N | 44E | 4 | SW NE | | 40.0 |
| 06N | 44E | 4 | SE NE | | 40.0 |
| 06N | 44E | 4 | NE NW | | 40.0 |

WR-NUMBER: 22-07108 (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 4 | SE NW | | 40.0 |
| | 06N | 44E | 4 | NE SW | | 14.0 |
| | 06N | 44E | 4 | NE SE | | 14.0 |
| | 06N | 44E | 4 | NW SE | | 14.0 |
| | 07N | 44E | 28 | SW SW | | 30.0 |
| | 07N | 44E | 29 | NE SW | | 25.0 |
| | 07N | 44E | 29 | NW SW | | 25.0 |
| | 07N | 44E | 29 | SW SW | | 40.0 |
| | 07N | 44E | 29 | SE SW | | 40.0 |
| | 07N | 44E | 29 | NE SE | | 25.0 |
| | 07N | 44E | 29 | NW SE | | 25.0 |
| | 07N | 44E | 29 | SW SE | | 40.0 |
| | 07N | 44E | 29 | SE SE | | 40.0 |
| | | | | TOTAL ACRES: | | 642.0 |

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WR-NUMBER: 22-07111

CURRENT OWNER:
DARRELL ARD
136 S. 1ST W.
REXBURG, ID 83440

PRIORITY DATE: 11-12-1974

STAGE: PERMIT

WATER-DIST: 01

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK

WATER USE:

| | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 10.000 | | 04/15 | 10/15 |
| TOTAL: | 10.000 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 06N | 44E | 3 | NW SE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 06N | 44E | 5 | NW NW | | 40.0 |
| 06N | 44E | 5 | SW NW | | 40.0 |
| 07N | 44E | 30 | NE NE | | 40.0 |
| 07N | 44E | 30 | NW NE | | 40.0 |
| 07N | 44E | 30 | SW NE | | 40.0 |
| 07N | 44E | 30 | SE NE | | 40.0 |
| 07N | 44E | 30 | NE SE | | 40.0 |
| 07N | 44E | 30 | NW SE | | 40.0 |
| 07N | 44E | 30 | SW SE | | 40.0 |
| 07N | 44E | 30 | SE SE | | 40.0 |
| 07N | 44E | 31 | NE NE | | 40.0 |
| 07N | 44E | 31 | NW NE | | 40.0 |
| 07N | 44E | 31 | SW NE | | 40.0 |
| 07N | 44E | 31 | SE NE | | 40.0 |
| 07N | 44E | 31 | NE SE | | 40.0 |
| 07N | 44E | 31 | NW SE | | 40.0 |
| 07N | 44E | 31 | SW SE | | 40.0 |
| 07N | 44E | 31 | SE SE | | 40.0 |
| | | | TOTAL ACRES: | | 720.0 |

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WR-NUMBER: 22-07119

CURRENT OWNER:
GLEN D. NELSON
STAR RT.
NEWDALE, ID 83436

PRIORITY DATE: 12-10-1974

STAGE: PERMIT

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 6.000 | 1575.00 | 05/01 | 09/15 |
| TOTAL: | 6.000 | 1575.00 | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 06N | 44E | 3 | NW SE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 07N | 44E | 32 | NW NE | | 40.0 |
| 07N | 44E | 32 | SW NE | | 40.0 |
| 07N | 44E | 32 | NE NW | | 40.0 |
| 07N | 44E | 32 | NW NW | | 40.0 |
| 07N | 44E | 32 | SW NW | | 40.0 |
| 07N | 44E | 32 | SE NW | | 40.0 |
| 07N | 44E | 32 | NE SW | | 40.0 |
| 07N | 44E | 32 | NW SW | | 40.0 |
| 07N | 44E | 32 | SW SW | | 40.0 |
| 07N | 44E | 32 | SE SW | | 40.0 |
| 07N | 44E | 32 | NW SE | | 40.0 |
| 07N | 44E | 32 | SW SE | | 40.0 |
| | | | TOTAL ACRES: | | 480.0 |

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WR-NUMBER: 22-07122

CURRENT OWNER:
MAX RAMMELL
MERRILL RAMMELL
P.O. BOX 206
DRIGGS, ID 83422

PRIORITY DATE: 12-31-1974

STAGE: PERMIT

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 12.000 | | 04/01 | 11/01 |
| TOTAL: | 12.000 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 06N | 44E | 3 | NW SE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 07N | 43E | 35 | NE NE | | 40.0 |
| 07N | 43E | 35 | NW NE | | 40.0 |
| 07N | 43E | 35 | SW NE | | 40.0 |
| 07N | 43E | 35 | SE NE | | 40.0 |
| 07N | 43E | 35 | NE SE | | 40.0 |
| 07N | 43E | 35 | NW SE | | 40.0 |
| 07N | 43E | 35 | SW SE | | 40.0 |
| 07N | 43E | 35 | SE SE | | 40.0 |
| 07N | 43E | 36 | SW NE | | 40.0 |

WR-NUMBER: 22-07122 (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 43E | 36 | SE NE | | 40.0 |
| | 07N | 43E | 36 | NE NW | | 40.0 |
| | 07N | 43E | 36 | NW NW | | 40.0 |
| | 07N | 43E | 36 | SW NW | | 40.0 |
| | 07N | 43E | 36 | SE NW | | 40.0 |
| | 07N | 43E | 36 | NE SW | | 40.0 |
| | 07N | 43E | 36 | NW SW | | 40.0 |
| | 07N | 43E | 36 | SW SW | | 40.0 |
| | 07N | 43E | 36 | SE SW | | 40.0 |
| | 07N | 43E | 36 | NE SE | | 40.0 |
| | 07N | 43E | 36 | NW SE | | 40.0 |
| | 07N | 43E | 36 | SW SE | | 40.0 |
| | 07N | 43E | 36 | SE SE | | 40.0 |
| | 07N | 44E | 31 | NW NW | | 40.0 |
| | 07N | 44E | 31 | SW NW | | 40.0 |
| | 07N | 44E | 31 | NW SW | | 40.0 |
| | 07N | 44E | 31 | SW SW | | 40.0 |
| | 06N | 44E | 6 | NE NW | | 40.0 |
| | 06N | 44E | 6 | NW NW | | 40.0 |
| | 06N | 44E | 6 | SW NW | | 40.0 |
| | 06N | 44E | 6 | SE NW | | 40.0 |
| | | | | TOTAL ACRES: | | 1200.0 |

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WR-NUMBER: 22-07121

CURRENT OWNER:
J. CLINT HOOPES
BOX 98
TETONIA, ID 83452

PRIORITY DATE: 01-14-1975

STAGE: PERMIT

COUNTY: TETON

WATER-DIST: 01

SOURCE: TETON RIVER TRIBUTARY: SNAKE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 8.000 | | 04/01 | 11/01 |
| TOTAL: | 8.000 | | | |

REMARKS: REINSTATED 6-11-1980.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 3 | NW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 5 | NW SW | | 40.0 |
| | 06N | 44E | 5 | SW SW | | 40.0 |
| | 07N | 43E | 34 | NE NE | | 40.0 |
| | 07N | 43E | 34 | NW NE | | 40.0 |
| | 07N | 43E | 34 | SW NE | | 40.0 |
| | 07N | 43E | 34 | SE NE | | 40.0 |
| | 07N | 43E | 34 | NE SE | | 40.0 |
| | 07N | 43E | 34 | NW SE | | 40.0 |
| | 07N | 43E | 34 | SW SE | | 40.0 |
| | 07N | 43E | 34 | SE SE | | 40.0 |
| | 07N | 43E | 35 | NE NW | | 40.0 |

WR-NUMBER: 22-07121 (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 43E | 35 | NW NW | | 40.0 |
| | 07N | 43E | 35 | SW NW | | 40.0 |
| | 07N | 43E | 35 | SE NW | | 40.0 |
| | 07N | 43E | 33 | NE NE | | 40.0 |
| | 07N | 43E | 33 | NW NE | | 40.0 |
| | 07N | 43E | 33 | SW NE | | 40.0 |
| | 07N | 43E | 33 | SE NE | | 40.0 |
| | 07N | 43E | 33 | NE SE | | 40.0 |
| | 07N | 43E | 33 | NW SE | | 40.0 |
| | 07N | 43E | 33 | SW SE | | 40.0 |
| | 07N | 43E | 33 | SE SE | | 40.0 |
| | | | | TOTAL ACRES: | | 880.0 |

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WR-NUMBER: 22-07148

CURRENT OWNER:
BOTT LAND INC.
NEWDALE, ID 83436

PRIORITY DATE: 07-23-1975

STAGE: PERMIT

COUNTY: TETON

WATER-DIST: 01

SOURCE: TETON RIVER

TRIBUTARY: SNAKE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 7.000 | | 04/01 | 11/01 |
| TOTAL: | 7.000 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 3 | NW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 43E | 2 | NE NW | | 40.0 |
| | 06N | 43E | 2 | NW NW | | 40.0 |
| | 06N | 43E | 2 | SW NW | | 40.0 |
| | 06N | 43E | 2 | SE NW | | 40.0 |
| | 06N | 43E | 3 | NE NE | | 40.0 |
| | 06N | 43E | 3 | NW NE | | 40.0 |
| | 06N | 43E | 3 | SW NE | | 40.0 |
| | 06N | 43E | 3 | SE NE | | 40.0 |
| | 06N | 43E | 3 | NE SW | | 40.0 |
| | 06N | 43E | 3 | NW SW | | 40.0 |
| | 06N | 43E | 3 | SW SW | | 40.0 |
| | 06N | 43E | 3 | SE SW | | 40.0 |
| | 06N | 43E | 3 | NE SE | | 40.0 |
| | 06N | 43E | 3 | NW SE | | 40.0 |
| | 06N | 43E | 3 | SW SE | | 40.0 |
| | 06N | 43E | 3 | SE SE | | 40.0 |
| | 07N | 43E | 34 | NE SE | | 40.0 |
| | 07N | 43E | 34 | NW SE | | 40.0 |
| | 07N | 43E | 34 | SW SE | | 40.0 |
| | 07N | 43E | 34 | SE SE | | 40.0 |
| | | | | TOTAL ACRES: | | 800.0 |

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WR-NUMBER: 22-07157

CURRENT OWNER:
TETON GEORGIC INC.
STAR RT.
NEWDALE, ID 83436

PRIORITY DATE: 08-06-1975

STAGE: PERMIT

COUNTY: TETON
SOURCE: TETON RIVER
WATER USE: IRRIGATION

TRIBUTARY: SNAKE RIVER

WATER-DIST: 01

| | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 4.500 | | 04/01 | 10/31 |
| TOTAL: | 4.500 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 06N | 44E | 3 | NW SE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 07N | 43E | 25 | NE SW | | 40.0 |
| 07N | 43E | 25 | NW SW | | 40.0 |
| 07N | 43E | 25 | SW SW | | 40.0 |
| 07N | 43E | 25 | SE SW | | 40.0 |
| 07N | 43E | 26 | SW NE | | 40.0 |
| 07N | 43E | 26 | SE NE | | 40.0 |
| 07N | 43E | 26 | SW NW | | 40.0 |
| 07N | 43E | 26 | SE NW | | 40.0 |
| 07N | 43E | 26 | NE SW | | 40.0 |
| 07N | 43E | 26 | NW SW | | 40.0 |
| 07N | 43E | 26 | SW SW | | 40.0 |
| 07N | 43E | 26 | SE SW | | 40.0 |
| 07N | 43E | 26 | NE SE | | 40.0 |
| 07N | 43E | 26 | NW SE | | 40.0 |
| 07N | 43E | 26 | SW SE | | 40.0 |
| 07N | 43E | 26 | SE SE | | 40.0 |
| | | | TOTAL ACRES: | | 640.0 |

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WR-NUMBER: 22-07186

CURRENT OWNER:
DARRELL ARD
136 S. 1ST ST.
REXBURG, ID 83440

PRIORITY DATE: 04-27-1976

STAGE: PERMIT

COUNTY: TETON
SOURCE: TETON RIVER
WATER USE: IRRIGATION

TRIBUTARY: SNAKE RIVER

WATER-DIST: 01

| | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 12.400 | | 04/01 | 11/01 |
| TOTAL: | 12.400 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 06N | 44E | 3 | NW SE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 06N | 44E | 6 | NE NE | | 40.0 |
| 06N | 44E | 6 | NW NE | | 40.0 |
| 06N | 44E | 6 | SE NE | | 40.0 |
| 06N | 44E | 6 | NE NW | | 40.0 |
| 07N | 44E | 30 | NE NW | | 40.0 |
| 07N | 44E | 30 | NW NW | | 40.0 |

WR-NUMBER: 22-07186 (cont'd)

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 07N | 44E | 30 | SW NW | | 40.0 |
| 07N | 44E | 30 | SE NW | | 40.0 |
| 07N | 44E | 30 | NE SW | | 40.0 |
| 07N | 44E | 30 | NW SW | | 40.0 |
| 07N | 44E | 30 | SW SW | | 40.0 |
| 07N | 44E | 30 | SE SW | | 40.0 |
| 07N | 44E | 31 | NE NW | | 40.0 |
| 07N | 44E | 31 | SE NW | | 40.0 |
| 07N | 44E | 31 | NE SW | | 40.0 |
| 07N | 44E | 31 | SE SW | | 40.0 |
| | | | TOTAL ACRES: | | 640.0 |

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WR-NUMBER: 22-07505

CURRENT OWNER:
J. CLINT HOOPES
P.O. BOX 98
TETONIA, ID 83452

PRIORITY DATE: 07-01-1985

STAGE: APPLICATION

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 6.400 | | 04/01 | 11/01 |
| TOTAL: | 6.400 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 06N | 44E | 3 | NW SE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 07N | 43E | 27 | NE SW | | 40.0 |
| 07N | 43E | 27 | NW SW | | 40.0 |
| 07N | 43E | 27 | SW SW | | 40.0 |
| 07N | 43E | 27 | SE SW | | 40.0 |
| 07N | 43E | 28 | NE SE | | 40.0 |
| 07N | 43E | 28 | NW SE | | 40.0 |
| 07N | 43E | 28 | SW SE | | 40.0 |
| 07N | 43E | 28 | SE SE | | 40.0 |
| | | | TOTAL ACRES: | | 320.0 |

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WR-NUMBER: 22-07044A

CURRENT OWNER:
EARL N. HOOPES
BOX 688
REXBURG, ID 83440

PRIORITY DATE: 03-26-1971

STAGE: LICENSE

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 2.650 | 420.00 | 04/01 | 11/01 |
| TOTAL: | 2.650 | 420.00 | | |

REMARKS: TRANS. 1786.

WR-NUMBER: 22-07044A (cont'd)

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 10 | SE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 10 | SW NW | | 35.0 |
| | 06N | 44E | 10 | NW SW | | 35.0 |
| | 06N | 44E | 9 | SE NE | | 35.0 |
| | 06N | 44E | 9 | NE SE | | 35.0 |
| | | | | TOTAL ACRES: | | 140.0 |

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WR-NUMBER: 22-07110

CURRENT OWNER:
MRS. E. G. BICKMORE
EHCO RANCHES INC.
ID

PRIORITY DATE: 10-15-1974

STAGE: LICENSE

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 5.120 | 1824.00 | 04/15 | 11/01 |
| TOTAL: | 5.120 | 1824.00 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 10 | SE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 3 | NE SW | | 18.0 |
| | 06N | 44E | 3 | NW SW | | 26.0 |
| | 06N | 44E | 3 | SW SW | | 40.0 |
| | 06N | 44E | 3 | SE SW | | 36.0 |
| | 06N | 44E | 4 | NE SW | | 17.0 |
| | 06N | 44E | 4 | SE SW | | 31.0 |
| | 06N | 44E | 4 | NE SE | | 26.0 |
| | 06N | 44E | 4 | NW SE | | 26.0 |
| | 06N | 44E | 4 | SW SE | | 40.0 |
| | 06N | 44E | 4 | SE SE | | 40.0 |
| | 06N | 44E | 9 | NE NE | | 40.0 |
| | 06N | 44E | 9 | NW NE | | 40.0 |
| | 06N | 44E | 9 | SW NE | | 40.0 |
| | 06N | 44E | 9 | NE NW | | 32.0 |
| | 06N | 44E | 9 | SE NW | | 34.0 |
| | 06N | 44E | 9 | NE SW | | 33.0 |
| | 06N | 44E | 9 | NW SE | | 33.0 |
| | 06N | 44E | 10 | NE NW | | 16.0 |
| | 06N | 44E | 10 | NW NW | | 40.0 |
| | | | | TOTAL ACRES: | | 608.0 |

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WR-NUMBER: 22-07181

CURRENT OWNER:
ECHO RANCH INC.
P.O. BOX 688
REXBURG, ID 83440

PRIORITY DATE: 04-01-1976

STAGE: PERMIT

WR-NUMBER: 22-07181 (cont'd)

COUNTY: TETON — WATER-DIST: 01
SOURCE: TETON RIVER — TRIBUTARY: SNAKE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 3.200 | | 04/01 | 11/01 |
| TOTAL: | 3.200 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 10 | SE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 9 | SE NE | | 40.0 |
| | 06N | 44E | 9 | NE SE | | 40.0 |
| | 06N | 44E | 10 | SW NW | | 40.0 |
| | 06N | 44E | 10 | NW SW | | 40.0 |
| | | | | TOTAL ACRES: | | 160.0 |

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WR-NUMBER: 22-07392
CURRENT OWNER:
EHCO RANCH
ECHO RANCH
P.O. BOX 97
TETONIA, ID 83452

PRIORITY DATE: 03-22-1982
STAGE: PERMIT

COUNTY: TETON — WATER-DIST: 01
SOURCE: TETON RIVER — TRIBUTARY: SNAKE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 8.000 | | 04/15 | 10/15 |
| TOTAL: | 8.000 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 10 | SE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 5 | NE SW | | 20.0 |
| | 06N | 44E | 5 | SE SW | | 40.0 |
| | 06N | 44E | 5 | NE SE | | 20.0 |
| | 06N | 44E | 5 | NW SE | | 20.0 |
| | 06N | 44E | 5 | SW SE | | 40.0 |
| | 06N | 44E | 5 | SE SE | | 40.0 |
| | 06N | 44E | 4 | NW SW | | 20.0 |
| | 06N | 44E | 4 | SW SW | | 40.0 |
| | 06N | 44E | 9 | NW NW | | 40.0 |
| | 06N | 44E | 8 | NE NE | | 40.0 |
| | 06N | 44E | 8 | NW NE | | 40.0 |
| | 06N | 44E | 8 | NE NW | | 40.0 |
| | | | | TOTAL ACRES: | | 400.0 |

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WR-NUMBER: 22-00425A
CURRENT OWNER:
RAY G. RICKS
JOEANN RICKS
MARK RICKS
CHRIS P. RICKS

PRIORITY DATE: 05-01-1885
STAGE: DECREED

WR-NUMBER: 22-00425A (cont'd)

ADDRESS:
P.O. BOX 6
FELT, ID

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 2.880 | | 04/01 | 11/01 |
| TOTAL: | 2.880 | | | |

DECREE PLAINTIFF: REXBURG IRR. CO. ET AL.,
DECREE DEFENDANT: TETON IRR. CANAL CO. ET AL.

REMARKS: TRANS. 2062.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 15 | NE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 15 | SW NW | | 40.0 |
| | 06N | 44E | 15 | NW SW | | 40.0 |
| | 06N | 44E | 16 | NE NE | | 40.0 |
| | 06N | 44E | 16 | NW NE | | 40.0 |
| | | | | TOTAL ACRES: | | 160.0 |

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WR-NUMBER: 22-00424B

CURRENT OWNER:
RAY G. RICKS
JOE ANN RICKS
MARK RICKS
CHRIS P. RICKS
BOX 6
FELT, ID

PRIORITY DATE: 04-01-1898

STAGE: DECREED

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 5.790 | | 04/01 | 11/01 |
| TOTAL: | 5.790 | | | |

DECREE PLAINTIFF: REXBURG IRR. CO., ET AL
DECREE DEFENDANT: TETON IRR. CANAL, ET AL

REMARKS: TRANS. 6062.
P/D PUMP ON TETON RIVER.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 15 | NE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 15 | SW NW | | 40.0 |
| | 06N | 44E | 15 | NW SW | | 40.0 |
| | 06N | 44E | 16 | NE NE | | 40.0 |

WR-NUMBER: 22-00424B (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 16 | NW NE | | 40.0 |
| | | | | TOTAL ACRES: | | 160.0 |

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WR-NUMBER: 22-07470

CURRENT OWNER:
MARK R. RICKS
RIKO, INC.
259 SOUTH THIRD EAST
REXBURG, ID 83440

PRIORITY DATE: 07-21-1983

STAGE: APPLICATION

WATER-DIST: 01

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER
WATER USE:

| | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 3.000 | | 04/01 | 11/01 |
| TOTAL: | 3.000 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 15 | NE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 9 | SE SW | | 40.0 |
| | 06N | 44E | 9 | SW SE | | 40.0 |
| | 06N | 44E | 9 | SE SE | | 40.0 |
| | 06N | 44E | 10 | SW SW | | 20.0 |
| | 06N | 44E | 15 | NE NW | | 40.0 |
| | 06N | 44E | 15 | NW NW | | 40.0 |
| | 06N | 44E | 15 | SW NW | | 40.0 |
| | 06N | 44E | 15 | SE NW | | 10.0 |
| | 06N | 44E | 15 | NW SW | | 40.0 |
| | 06N | 44E | 16 | NE NE | | 35.0 |
| | 06N | 44E | 16 | NW NE | | 35.0 |
| | 06N | 44E | 16 | SW NE | | 40.0 |
| | 06N | 44E | 16 | NE NW | | 40.0 |
| | | | | TOTAL ACRES: | | 460.0 |

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WR-NUMBER: 22-00552B

CURRENT OWNER:
EHCO RANCH INC.
P.O. BOX 688
REXBURG, ID 83440

PRIORITY DATE: 03-01-1883

STAGE: DECREED

WATER-DIST: 01

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK
WATER USE:

| | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.080 | | 04/01 | 11/01 |
| TOTAL: | 0.080 | | | |

DECREE PLAINTIFF: REXBURG IRR. CO. ET AL
DECREE DEFENDANT: TETON IRR. CANAL CO. ET AL.

REMARKS: TRANS. 2116.
P/D TETON PIPELINE ASSOC. #4.

WR-NUMBER: 22-00552B (cont'd)

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 15 | SE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 20 | NE NE | | 40.0 |
| | 06N | 44E | 20 | NW NE | | 40.0 |
| | 06N | 44E | 20 | SW NE | | 40.0 |
| | 06N | 44E | 20 | SE NE | | 40.0 |
| | 06N | 44E | 20 | NE NW | | 40.0 |
| | 06N | 44E | 20 | NW NW | | 40.0 |
| | 06N | 44E | 20 | SW NW | | 40.0 |
| | 06N | 44E | 20 | SE NW | | 40.0 |
| | 06N | 44E | 20 | NE SW | | 40.0 |
| | 06N | 44E | 20 | NW SW | | 40.0 |
| | 06N | 44E | 20 | SW SW | | 40.0 |
| | 06N | 44E | 20 | SE SW | | 40.0 |
| | 06N | 44E | 20 | NE SE | | 40.0 |
| | 06N | 44E | 20 | NW SE | | 40.0 |
| | 06N | 44E | 20 | SW SE | | 40.0 |
| | 06N | 44E | 20 | SE SE | | 40.0 |
| | | | | TOTAL ACRES: | | 640.0 |

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WR-NUMBER: 22-00288D

CURRENT OWNER:
EHCO RANCH INC.
BOX 688
REXBURG, ID 83440

PRIORITY DATE: 05-15-1883

STAGE: DECREED

COUNTY: TETON

WATER-DIST: 01

SOURCE: TETON RIVER

TRIBUTARY: HENRYS FORK

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.010 | | 04/01 | 11/01 |
| TOTAL: | 0.010 | | | |

DECREE PLAINTIFF: REXBURG IRRIGATION COMPANY
DECREE DEFENDANT: TETON IRRIGATION CANAL CO.

REMARKS: TRANS. 2116.
P/D TETON PIPELINE #4.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 15 | SE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 20 | NE NE | | 40.0 |
| | 06N | 44E | 20 | NW NE | | 40.0 |
| | 06N | 44E | 20 | SW NE | | 40.0 |
| | 06N | 44E | 20 | SE NE | | 40.0 |
| | 06N | 44E | 20 | NE NW | | 40.0 |
| | 06N | 44E | 20 | NW NW | | 40.0 |
| | 06N | 44E | 20 | SW NW | | 40.0 |
| | 06N | 44E | 20 | SE NW | | 40.0 |

WR-NUMBER: 22-00288D (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 20 | NE SW | | 40.0 |
| | 06N | 44E | 20 | NW SW | | 40.0 |
| | 06N | 44E | 20 | SW SW | | 40.0 |
| | 06N | 44E | 20 | SE SW | | 40.0 |
| | 06N | 44E | 20 | NE SE | | 40.0 |
| | 06N | 44E | 20 | NW SE | | 40.0 |
| | 06N | 44E | 20 | SW SE | | 40.0 |
| | 06N | 44E | 20 | SE SE | | 40.0 |
| | | | | TOTAL ACRES: | | 640.0 |

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WR-NUMBER: 22-00553B

CURRENT OWNER:
EHCO RANCH INC.
P.O. BOX 688
REXBURG, ID 83440

PRIORITY DATE: 05-22-1884

STAGE: DECREED

COUNTY: TETON

WATER-DIST: 01

SOURCE: TETON RIVER TRIBUTARY: HENRYS FORK

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.550 | | 04/01 | 11/01 |
| TOTAL: | 0.550 | | | |

DECREE PLAINTIFF: REXBURG IRR. CO. ET AL
DECREE DEFENDANT: TETON IRR. CANAL CO. ET AL.

REMARKS: TRANS. 2116.
P/D TETON PIPELINE ASSOC. #4.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 15 | SE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 20 | NE NE | | 40.0 |
| | 06N | 44E | 20 | NW NE | | 40.0 |
| | 06N | 44E | 20 | SW NE | | 40.0 |
| | 06N | 44E | 20 | SE NE | | 40.0 |
| | 06N | 44E | 20 | NE NW | | 40.0 |
| | 06N | 44E | 20 | NW NW | | 40.0 |
| | 06N | 44E | 20 | SW NW | | 40.0 |
| | 06N | 44E | 20 | SE NW | | 40.0 |
| | 06N | 44E | 20 | NE SW | | 40.0 |
| | 06N | 44E | 20 | NW SW | | 40.0 |
| | 06N | 44E | 20 | SW SW | | 40.0 |
| | 06N | 44E | 20 | SE SW | | 40.0 |
| | 06N | 44E | 20 | NE SE | | 40.0 |
| | 06N | 44E | 20 | NW SE | | 40.0 |
| | 06N | 44E | 20 | SW SE | | 40.0 |
| | 06N | 44E | 20 | SE SE | | 40.0 |
| | | | | TOTAL ACRES: | | 640.0 |

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WR-NUMBER: 22-00551B
CURRENT OWNER: EHCO RANCH INC. P.O. BOX 688 REXBURG, ID 83440
PRIORITY DATE: 04-01-1898
STAGE: DECREED

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 1.260 | | 04/01 | 11/01 |
| TOTAL: | 1.260 | | | |

DECREE PLAINTIFF: REXBURG IRR. CO. ET AL
DECREE DEFENDANT: TETON IRR. CANAL CO. ET AL.

REMARKS: TRANS. 2116.
P/D TETON PIPELINE ASSOC. #4.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 15 | SE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 20 | NE NE | | 40.0 |
| | 06N | 44E | 20 | NW NE | | 40.0 |
| | 06N | 44E | 20 | SW NE | | 40.0 |
| | 06N | 44E | 20 | SE NE | | 40.0 |
| | 06N | 44E | 20 | NE NW | | 40.0 |
| | 06N | 44E | 20 | NW NW | | 40.0 |
| | 06N | 44E | 20 | SW NW | | 40.0 |
| | 06N | 44E | 20 | SE NW | | 40.0 |
| | 06N | 44E | 20 | NE SW | | 40.0 |
| | 06N | 44E | 20 | NW SW | | 40.0 |
| | 06N | 44E | 20 | SW SW | | 40.0 |
| | 06N | 44E | 20 | SE SW | | 40.0 |
| | 06N | 44E | 20 | NE SE | | 40.0 |
| | 06N | 44E | 20 | NW SE | | 40.0 |
| | 06N | 44E | 20 | SW SE | | 40.0 |
| | 06N | 44E | 20 | SE SE | | 40.0 |
| | | | | TOTAL ACRES: | | 640.0 |

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WR-NUMBER: 22-07044B
CURRENT OWNER: EARL N. HOOPES BOX 688 REXBURG, ID 83440
PRIORITY DATE: 03-26-1971
STAGE: LICENSE

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 1.360 | 210.00 | 04/01 | 11/01 |
| TOTAL: | 1.360 | 210.00 | | |

REMARKS: TRANS. 1786.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 15 | SE SE | |

WR-NUMBER: 22-07044B (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 15 | SW SE | | 40.0 |
| | 06N | 44E | 22 | NE NW | | 30.0 |
| | | | | TOTAL ACRES: | | 70.0 |

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WR-NUMBER: 22-07100

CURRENT OWNER:
EHCO RANCH INC
P.O. BOX 688
REXBURG, ID 83440

PRIORITY DATE: 08-07-1974

STAGE: LICENSE

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 6.980 | 1683.00 | 04/15 | 10/15 |
| TOTAL: | 6.980 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 15 | SE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 20 | NE NE | | 40.0 |
| | 06N | 44E | 20 | NW NE | | 21.0 |
| | 06N | 44E | 20 | SW NE | | 30.0 |
| | 06N | 44E | 20 | SE NE | | 40.0 |
| | 06N | 44E | 20 | NE NW | | 40.0 |
| | 06N | 44E | 20 | NW NW | | 38.0 |
| | 06N | 44E | 20 | SW NW | | 40.0 |
| | 06N | 44E | 20 | SE NW | | 35.0 |
| | 06N | 44E | 20 | NE SW | | 25.0 |
| | 06N | 44E | 20 | NW SW | | 40.0 |
| | 06N | 44E | 20 | SW SW | | 40.0 |
| | 06N | 44E | 20 | SE SW | | 25.0 |
| | 06N | 44E | 20 | NE SE | | 40.0 |
| | 06N | 44E | 20 | NW SE | | 33.0 |
| | 06N | 44E | 20 | SW SE | | 34.0 |
| | 06N | 44E | 20 | SE SE | | 40.0 |
| | | | | TOTAL ACRES: | | 561.0 |

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WR-NUMBER: 22-07116

CURRENT OWNER:
REX ARD
LARRY ARD
335 E. 1ST N.
REXBURG, ID 83440

PRIORITY DATE: 12-03-1974

STAGE: PERMIT

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 10.000 | | 04/15 | 10/15 |
| TOTAL: | 10.000 | | | |

WR-NUMBER: 22-07116 (cont'd)

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot | |
|---|---|---|---|---|---|---|
| | 06N | 44E | 15 | SE SE | | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 8 | SW NE | | 40.0 |
| | 06N | 44E | 8 | SE NE | | 40.0 |
| | 06N | 44E | 8 | NE SE | | 40.0 |
| | 06N | 44E | 8 | NW SE | | 40.0 |
| | 06N | 44E | 8 | SW SE | | 40.0 |
| | 06N | 44E | 8 | SE SE | | 40.0 |
| | 06N | 44E | 17 | NE NE | | 40.0 |
| | 06N | 44E | 17 | NW NE | | 40.0 |
| | 06N | 44E | 17 | SW NE | | 40.0 |
| | 06N | 44E | 17 | SE NE | | 40.0 |
| | 06N | 44E | 17 | NE SW | | 40.0 |
| | 06N | 44E | 17 | NW SW | | 40.0 |
| | 06N | 44E | 17 | SW SW | | 40.0 |
| | 06N | 44E | 17 | SE SW | | 40.0 |
| | 06N | 44E | 17 | NE SE | | 40.0 |
| | 06N | 44E | 17 | NW SE | | 40.0 |
| | 06N | 44E | 18 | NE SE | | 40.0 |
| | 06N | 44E | 18 | NW SE | | 40.0 |
| | 06N | 44E | 18 | SW SE | | 40.0 |
| | 06N | 44E | 18 | SE SE | | 40.0 |
| | | | | TOTAL ACRES: | | 800.0 |

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WR-NUMBER: 22-07120

CURRENT OWNER:
J. CLINT HOOPES
25 S. THIRD E.
REXBURG, ID 83440

PRIORITY DATE: 01-14-1975

STAGE: PERMIT

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 5.000 | | 04/01 | 11/01 |
| TOTAL: | 5.000 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 15 | SE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 7 | NE NE | | 40.0 |
| | 06N | 44E | 7 | NW NE | | 40.0 |
| | 06N | 44E | 7 | SW NE | | 40.0 |
| | 06N | 44E | 7 | SE NE | | 40.0 |
| | 06N | 44E | 7 | SE NW | | 40.0 |
| | 06N | 44E | 7 | NE SW | | 40.0 |
| | 06N | 44E | 7 | SE SW | | 40.0 |
| | 06N | 44E | 7 | NE SE | | 40.0 |
| | 06N | 44E | 7 | NW SE | | 40.0 |
| | 06N | 44E | 7 | SW SE | | 40.0 |
| | 06N | 44E | 7 | SE SE | | 40.0 |

WR-NUMBER: 22-07120 (cont'd)

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 06N | 44E | 8 | NW NW | | 15.0 |
| 06N | 44E | 8 | SW NW | | 40.0 |
| 06N | 44E | 8 | SE NW | | 40.0 |
| 06N | 44E | 8 | NE SW | | 40.0 |
| 06N | 44E | 8 | NW SW | | 40.0 |
| 06N | 44E | 8 | SW SW | | 40.0 |
| 06N | 44E | 8 | SE SW | | 40.0 |
| | | | TOTAL ACRES: | | 695.0 |

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WR-NUMBER: 22-07159

CURRENT OWNER:
EHCO RANCH INC.
BOX 688
REXBURG, ID 83440

PRIORITY DATE: 08-18-1975

STAGE: LICENSE

WATER-DIST: 01

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK
WATER USE: IRRIGATION

| | DIVERSION RATE: | DIVERSION VOLUME: |
|---|---|---|
| | 1.900 | 285.00 |
| TOTAL: | 1.900 | 285.00 |

PERIOD FROM: 04/15 PERIOD TO: 10/15

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 06N | 44E | 15 | SE SE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 06N | 44E | 21 | NE NE | | 22.0 |
| 06N | 44E | 21 | NW NE | | 40.0 |
| 06N | 44E | 21 | NE NW | | 33.0 |
| | | | TOTAL ACRES: | | 95.0 |

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WR-NUMBER: 22-07180

CURRENT OWNER:
EHCO RANCH INC.
P.O. BOX 688
REXBURG, ID 83440

PRIORITY DATE: 04-01-1976

STAGE: PERMIT

WATER-DIST: 01

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER
WATER USE: IRRIGATION

| | DIVERSION RATE: | DIVERSION VOLUME: |
|---|---|---|
| | 12.800 | |
| TOTAL: | 12.800 | |

PERIOD FROM: 04/01 PERIOD TO: 11/01

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 06N | 44E | 15 | SE SE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 06N | 44E | 17 | SW SE | | 40.0 |
| 06N | 44E | 17 | SE SE | | 40.0 |
| 06N | 44E | 21 | NW NW | | 20.0 |
| 06N | 44E | 21 | SW NW | | 10.0 |
| 06N | 44E | 19 | SE NE | | 40.0 |
| 06N | 44E | 16 | SE NE | | 40.0 |

WR-NUMBER: 22-07180 (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 44E | 16 | NE NW | | 10.0 |
| | 06N | 44E | 16 | NW NW | | 35.0 |
| | 06N | 44E | 16 | SW NW | | 40.0 |
| | 06N | 44E | 16 | SE NW | | 30.0 |
| | 06N | 44E | 16 | NE SW | | 20.0 |
| | 06N | 44E | 16 | NW SW | | 40.0 |
| | 06N | 44E | 16 | SW SW | | 40.0 |
| | 06N | 44E | 16 | SE SW | | 20.0 |
| | 06N | 44E | 16 | NE SE | | 40.0 |
| | 06N | 44E | 16 | NW SE | | 5.0 |
| | 06N | 44E | 16 | SW SE | | 25.0 |
| | 06N | 44E | 15 | SW SW | | 15.0 |
| | 06N | 44E | 29 | NE NE | | 20.0 |
| | 06N | 44E | 29 | NW NE | | 40.0 |
| | 06N | 44E | 29 | NE NW | | 15.0 |
| | 06N | 44E | 29 | NW NW | | 30.0 |
| | 06N | 44E | 29 | SW NW | | 20.0 |
| | 06N | 44E | 29 | SE NW | | 5.0 |
| | | | | TOTAL ACRES: | | 640.0 |

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WR-NUMBER: 22-07369
CURRENT OWNER:
STATE OF IDAHO
IDAHO WATER RESOURCE BOARD
STATEHOUSE MAIL
BOISE, ID 83720
PRIORITY DATE: 06-19-1981
STAGE: APPLICATION

COUNTY: TETON
WATER-DIST: 01
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER, HENRYS FORK

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| MINIMUM INSTREAM FLOW | 50.000 | | 01/01 | 12/31 |
| TOTAL: | 50.000 | | | |

REMARKS: P/D'S ARE LOCATION OF REACH. PROTESTED 3/31/1981. MIN. FLOWS AGREED TO & APPROVED BY IWRB ARE 20 CFS EXCEPT FOR 3 MONTHS EACH YR DURING THE CUTTHROAT TROUT MIGRATION, WHICH WILL BE 50 CFS. ONE OF THESE MONTHS WILL BE JUNE.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 07N | 44E | 20 | NW NE | |
| | 06N | 44E | 23 | SE SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 44E | 20 | NW NE | | |

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WR-NUMBER: 22-00606
CURRENT OWNER:
TETON VALLEY POWER & MILLING CO.
PRIORITY DATE: 10-01-1921
STAGE: DECREED

COUNTY: TETON
WATER-DIST: 01
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK

WR-NUMBER: 22-00606 (cont'd)

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| POWER | 80.000 | | | |
| TOTAL: | 80.000 | | | |

DECREE PLAINTIFF: TETON VALLEY POWER AND MILLING CO
DECREE DEFENDANT: LYNN CRANDALL, W.M.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | | |

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WR-NUMBER: 22-02123A
CURRENT OWNER: TETON VALLEY POWER & MILLING CO.
DRIGGS, ID 83422
PRIORITY DATE: 11-17-1936
STAGE: LICENSE
WATER-DIST: 01

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| POWER | 70.000 | | | |
| TOTAL: | 70.000 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | | |

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WR-NUMBER: 22-02126
CURRENT OWNER: TETON VALLEY POWER & MILLING CO.
DRIGGS, ID 83422
PRIORITY DATE: 02-02-1946
STAGE: LICENSE
WATER-DIST: 01

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: SNAKE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| POWER | 150.000 | | | |
| TOTAL: | 150.000 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | | |

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WR-NUMBER: 22-02123B
CURRENT OWNER: TETON VALLEY POWER & MILLING CO.
DRIGGS, ID 83422
PRIORITY DATE: 03-14-1948
STAGE: LICENSE
WATER-DIST: 01

COUNTY: TETON

WR-NUMBER: 22-02123B (cont'd)

SOURCE: TETON RIVER TRIBUTARY: SNAKE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| POWER | 80.000 | | | |
| TOTAL: | 80.000 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | | |

---

WR-NUMBER: 22-07196

CURRENT OWNER:
RAY M. BROWN
P.O. BOX 73
TETONIA, ID 83452

PRIORITY DATE: 09-23-1976

STAGE: LICENSE

COUNTY: TETON

WATER-DIST: 01

SOURCE: TETON RIVER TRIBUTARY: SNAKE RIVER, NORTH FORK

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 1.000 | 424.50 | 04/01 | 11/01 |
| TOTAL: | 1.000 | 424.50 | | |

REMARKS: THIS RT. WHEN COMBINED WITH RT. 22-7256 SHALL EXCEED NEITHER 13.4 CFS NOR 3292.1 AFA.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 43E | 23 | NE SE | | 40.0 |
| | 07N | 43E | 23 | NW SE | | 40.0 |
| | 07N | 43E | 23 | SW SE | | 40.0 |
| | 07N | 43E | 23 | SE SE | | 40.0 |
| | 07N | 43E | 24 | NE SW | | 39.0 |
| | 07N | 43E | 24 | NW SW | | 37.0 |
| | 07N | 43E | 24 | SW SW | | 36.0 |
| | 07N | 43E | 24 | SE SW | | 40.0 |
| | 07N | 43E | 24 | NW SE | | 35.0 |
| | 07N | 43E | 24 | SW SE | | 39.0 |
| | 07N | 43E | 25 | NW NE | | 39.0 |
| | 07N | 43E | 25 | SW NE | | 39.0 |
| | 07N | 43E | 25 | NE NW | | 39.0 |
| | 07N | 43E | 25 | NW NW | | 39.0 |
| | 07N | 43E | 25 | SW NW | | 40.0 |
| | 07N | 43E | 25 | SE NW | | 40.0 |
| | | | | TOTAL ACRES: | | 622.0 |

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WR-NUMBER: 22-07482

CURRENT OWNER:
FALL RIVER RURAL ELECTRIC COOPERATIVE
P.O. BOX 617
ASHTON, ID 83420

PRIORITY DATE: 10-03-1984

STAGE: PERMIT

WR-NUMBER: 22-07482 (cont'd)

COUNTY: TETON — WATER-DIST: 01
SOURCE: TETON RIVER — TRIBUTARY: SNAKE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| POWER | 80.000 | | 01/01 | 12/31 |
| TOTAL: | 80.000 | | | |

REMARKS: 1200 HORSEPOWER UNDER 150 FEET OF HEAD
USE OF WATER UNDER THIS PERMIT SHALL BE NON-CONSUMPTIVE.
THE ISSUANCE OF THIS PERMIT IN NO WAY GRANTS ANY RIGHT-OF-WAY OR EASEMENT ACROSS THE LAND OF ANOTHER.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | |
| | 07N | 44E | 29 | SW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 44E | 20 | SW SE | | |
| | 07N | 44E | 29 | NW NE | | |

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WR-NUMBER: 22-07487
CURRENT OWNER: FALL RIVER RURAL ELECTRIC COOPERATIVE
P.O. BOX AE
ASHTON, ID 83420
PRIORITY DATE: 02-25-1985
STAGE: PERMIT

COUNTY: TETON — WATER-DIST: 01
SOURCE: TETON RIVER — TRIBUTARY: SNAKE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| POWER | 204.000 | | 04/15 | 08/15 |
| TOTAL: | 204.000 | | | |

REMARKS: 1520 HP UNDER 80 FEET OF HEAD

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | |
| | 07N | 44E | 29 | SW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 44E | 29 | SW NE | | |

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WR-NUMBER: 22-07351
CURRENT OWNER: FALL RIVER RURAL ELECTRIC COOPERATIVE
P.O. BOX 617
ASHTON, ID 83420
PRIORITY DATE: 03-18-1981
STAGE: PERMIT

COUNTY: TETON — WATER-DIST: 01
SOURCE: TETON RIVER — TRIBUTARY: SNAKE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| POWER | 300.000 | | 01/01 | 12/31 |
| TOTAL: | 300.000 | | | |

WR-NUMBER: 22-07351 (cont'd)

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 07N | 44E | 29 | SW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 44E | 29 | NW NE | | |

---

WR-NUMBER: 22-07483

CURRENT OWNER:
ENERGY GAP INC.
P.O. BOX 32
GOODING, ID 83330

PRIORITY DATE: 09-27-1984

STAGE: APPLICATION

COUNTY: TETON
SOURCE: TETON RIVER
TRIBUTARY: HENRYS FORK
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| POWER | 650.000 | | 01/01 | 12/31 |
| TOTAL: | 650.000 | | | |

REMARKS: 8500 KW UNDER 248 FT. OF HEAD
FERC PREPERMIT ISSUED. FERC #8516.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 07N | 44E | 34 | SE SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 07N | 44E | 28 | SW NW | | |

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WR-NUMBER: 22-00351

CURRENT OWNER:
DOYLE L. OTTESEN

PRIORITY DATE: 06-01-1887

STAGE: DECREED

COUNTY: TETON
SOURCE: TETON RIVER, SOUTH FORK
BIGLER SLOUGH
TRIBUTARY: HENRYS FORK
HENRYS FORK
WATER-DIST: 01

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 1.600 | | | |
| TOTAL: | 1.600 | | | |

DECREE PLAINTIFF: REXBURG IRR. CO. ET AL
DECREE DEFENDANT: TETON IRR. CANAL CO.

REMARKS: P/D PUMPS & PIPELINE. TRANS. #2115.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 06N | 44E | 15 | SE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 06N | 40E | 1 | NW NW | 1 | 40.0 |
| | 06N | 40E | 1 | SW NW | | 40.0 |
| | | | | TOTAL ACRES: | | 80.0 |

END OF REPORT

26-OCT-89

13054111 R & J BROWN PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

MICROFILMED DEC 15 1989

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 0.0 | 15 |
| 2 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 0.0 | 15 |
| 3 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 0.0 | 15 |
| 4 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 0.0 | 15 |
| 5 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 15 |
| 6 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 15 |
| 7 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 15 |
| 8 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 6.7 |
| 9 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 0.0 |
| 10 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 0.0 |
| 11 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 0.0 |
| 12 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 0.0 |
| 13 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 0.0 |
| 14 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 0.0 |
| 15 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 0.0 |
| 16 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 0.0 |
| 17 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 0.0 |
| 18 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 0.0 |
| 19 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 0.0 |
| 20 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 0.0 |
| 21 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 0.0 |
| 22 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 0.0 |
| 23 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 0.0 |
| 24 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 0.0 |
| 25 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 9.0 | 0.0 |
| 26 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 0.0 | 0.0 |
| 27 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 0.0 | 0.0 |
| 28 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 0.0 | 0.0 |
| 29 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | --- | 0.0 | 0.0 | --- |
| TOTAL | 0 | | | | | | | 0 | 0 | 345 | 309 | 112 |
| MEAN | 0.0 | | | | | | | 0.0 | 0.0 | 11 | 10.0 | 3.7 |
| MAX | 0.0 | | | | | | | 0.0 | 0.0 | 15 | 15 | 15 |
| MIN | 0.0 | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC-FT | 0 | | | | | | | 0 | 0 | 684 | 613 | 222 |

WATER YEAR 1987 TOTAL 766 MEAN 2 AC-FT 1518

MICROFILMED
DEC 15 1989

26-OCT-89

13053971 J RICKS PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 2 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 3 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 4 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 5 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 6 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 7 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 8 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 9 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 10 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 11 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 12 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 13 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 14 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 15 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 16 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 17 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.3 | 2.3 | 0.0 |
| 18 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 0.6 | 2.3 | 2.3 | 0.0 |
| 19 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 2.3 | 2.3 | 2.3 | 0.0 |
| 20 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 2.3 | 2.3 | 2.3 | 0.0 |
| 21 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 1.1 | 2.3 | 2.3 | 0.0 |
| 22 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 2.3 | 2.3 | 2.3 | 0.0 |
| 23 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 2.3 | 2.3 | 0.0 | 0.0 |
| 24 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 2.3 | 2.3 | 0.0 | 0.0 |
| 25 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 2.3 | 2.3 | 0.0 | 0.0 |
| 26 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 2.3 | 2.3 | 0.0 | 0.0 |
| 27 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 2.3 | 2.3 | 0.0 | 0.0 |
| 28 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 1.1 | 2.3 | 0.0 | 0.0 |
| 29 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 2.3 | 2.3 | 0.0 | 0.0 |
| 30 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | 2.3 | 2.3 | 0.0 | 0.0 |
| 31 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | --- | 0.0 | 0.0 | --- |
| TOTAL | 0 | | | | | | | 0 | 26 | 69 | 51 | 0 |
| MEAN | 0.0 | | | | | | | 0.0 | 0.9 | 2.2 | 1.6 | 0.0 |
| MAX | 0.0 | | | | | | | 0.0 | 2.3 | 2.3 | 2.3 | 0.0 |
| MIN | 0.0 | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC-FT | 0 | | | | | | | 0 | 51 | 137 | 100 | 0 |

WATER YEAR 1987 TOTAL 145 MEAN 0 AC-FT 288

MICROFILMED
DEC 15 1988
6-09-89

13054031 TETON PIPELINE #3 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 34 | 0.0 | 0.0 |
| 2 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 34 | 0.0 | 0.0 |
| 3 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 31 | 12 | 0.0 |
| 4 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 31 | 24 | 0.0 |
| 5 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 26 | 26 | 0.0 |
| 6 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 24 | 26 | 0.0 |
| 7 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 31 | 30 | 0.0 |
| 8 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 28 | 26 | 0.0 |
| 9 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 34 | 22 | 0.0 |
| 10 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 23 | 16 | 0.0 |
| 11 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 24 | 16 | 6.7 |
| 12 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 19 | 16 | 6.7 |
| 13 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 24 | 16 | 6.7 |
| 14 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 24 | 11 | 6.7 |
| 15 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 24 | 8.6 | 9.7 |
| 16 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 7.3 | 28 | 3.3 | 14 |
| 17 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 7.3 | 28 | 14 | 20 |
| 18 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 24 | 0.0 | 14 | 20 |
| 19 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 34 | 0.0 | 17 | 20 |
| 20 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 34 | 0.0 | 23 | 20 |
| 21 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 34 | 0.0 | 24 | 14 |
| 22 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 34 | 0.0 | 18 | 15 |
| 23 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 25 | 0.0 | 18 | 15 |
| 24 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 35 | 0.0 | 11 | 9.0 |
| 25 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 35 | 0.0 | 2.9 | 8.3 |
| 26 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 34 | 0.0 | 2.7 | 7.4 |
| 27 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 34 | 13 | 2.7 | 0.0 |
| 28 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 32 | 13 | 3.1 | 0.0 |
| 29 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 34 | 0.0 | 3.1 | 0.0 |
| 30 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 34 | 0.0 | 3.1 | 0.0 |
| 31 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | --- | 0.0 | 3.1 | --- |
| TOTAL | 0 | | | | | | 0 | 0 | 434 | 492 | 410 | 201 |
| MEAN | 0.0 | | | | | | 0.0 | 0.0 | 14 | 16 | 13 | 6.7 |
| MAX | 0.0 | | | | | | 0.0 | 0.0 | 35 | 34 | 30 | 20 |
| MIN | 0.0 | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC-FT | 0 | | | | | | 0 | 0 | 861 | 977 | 814 | 399 |

WATER YEAR 1987 TOTAL 1538 MEAN 4 AC-FT 3050

26-OCT-89

13054041 TETON PIPELINE #2 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

MICROFILMED
DEC 15 1989

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 7.2 | [illegible] | 0.0 |
| 2 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 7.2 | [illegible] | 0.0 |
| 3 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 7.2 | 0.0 | 0.0 |
| 4 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 7.2 | 0.0 | 0.0 |
| 5 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 7.2 | 2.1 | 0.0 |
| 6 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 7.2 | 2.1 | 0.0 |
| 7 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 7.2 | 2.1 | 0.0 |
| 8 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 2.1 | 0.0 |
| 9 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 2.1 | 0.0 |
| 10 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 1.6 | 0.0 |
| 11 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 1.6 | 0.0 |
| 12 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 1.6 | 0.0 |
| 13 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 1.6 | 0.0 |
| 14 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 1.6 | 0.0 |
| 15 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 1.2 | 1.0 | 1.6 | 0.0 |
| 16 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 1.2 | 1.0 | 1.6 | 1.7 |
| 17 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 1.2 | 1.0 | 2.3 | 1.7 |
| 18 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 1.2 | 0.0 | 2.3 | 1.7 |
| 19 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 1.2 | 0.0 | 2.3 | 6.2 |
| 20 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 1.2 | 0.0 | 2.3 | 6.2 |
| 21 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 1.2 | 0.0 | 2.3 | 6.2 |
| 22 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 1.2 | 0.0 | 2.3 | 3.5 |
| 23 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 1.2 | 0.0 | 2.3 | 1.5 |
| 24 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 1.2 | 0.0 | 1.0 | 1.5 |
| 25 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 4.0 | 0.0 | 1.0 | 1.5 |
| 26 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 4.0 | 0.0 | 1.0 | 0.0 |
| 27 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 4.0 | 0.0 | 1.0 | 0.0 |
| 28 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 4.0 | 0.0 | 1.0 | 0.0 |
| 29 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 4.0 | 0.0 | 1.0 | 0.0 |
| 30 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 4.0 | 0.0 | 1.2 | 0.0 |
| 31 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | --- | 0.0 | 1.2 | --- |
| TOTAL | 0 | | | | | | 0 | 0 | 36 | 69 | 46 | 32 |
| MEAN | 0.0 | | | | | | 0.0 | 0.0 | 1.2 | 2.2 | 1.5 | 1.1 |
| MAX | 0.0 | | | | | | 0.0 | 0.0 | 4.0 | 7.2 | 2.3 | 6.2 |
| MIN | 0.0 | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC-FT | 0 | | | | | | 0 | 0 | 71 | 136 | 92 | 63 |

WATER YEAR 1987 TOTAL 183 MEAN 1 AC-FT 362

OCT
MICROFILMED
DEC 15 1989

13054043 TETON PIPELINE #1 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 0.0 | 0.0 |
| 2 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 0.0 | 0.0 |
| 3 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 11 | 0.0 |
| 4 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 11 | 0.0 |
| 5 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 11 | 0.0 |
| 6 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 11 | 0.0 |
| 7 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 15 | 11 | 0.0 |
| 8 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 8.0 | 11 | 0.0 |
| 9 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 8.0 | 11 | 0.0 |
| 10 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 8.0 | 6.0 | 0.0 |
| 11 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 8.0 | 6.0 | 6.9 |
| 12 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 8.0 | 6.0 | 6.9 |
| 13 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 8.0 | 6.0 | 6.9 |
| 14 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 8.0 | 6.0 | 6.9 |
| 15 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 8.3 | 11 | 6.0 | 6.9 |
| 16 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 8.3 | 11 | 6.0 | 6.9 |
| 17 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 8.3 | 11 | 2.5 | 6.9 |
| 18 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 8.3 | 0.0 | 2.5 | 0.0 |
| 19 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 8.3 | 0.0 | 2.5 | 2.1 |
| 20 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 8.3 | 0.0 | 2.5 | 2.1 |
| 21 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 8.3 | 0.0 | 2.5 | 2.1 |
| 22 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 8.3 | 0.0 | 2.5 | 2.1 |
| 23 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 8.3 | 0.0 | 2.5 | 4.8 |
| 24 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 8.3 | 0.0 | 6.6 | 4.8 |
| 25 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 8.3 | 0.0 | 0.0 | 4.8 |
| 26 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 0.0 | 0.0 | 2.0 |
| 27 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 14 | 0.0 | 2.3 |
| 28 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 14 | 0.0 | 2.3 |
| 29 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 0.0 | 0.3 | 0.0 |
| 31 | 0.0 | --- | --- | --- | --- | --- | --- | 0.0 | --- | 0.0 | 0.3 | --- |
| TOTAL | 0 | | | | | | 0 | 0 | 166 | 221 | 140 | 78 |
| MEAN | 0.0 | | | | | | 0.0 | 0.0 | 5.5 | 7.1 | 4.5 | 2.6 |
| MAX | 0.0 | | | | | | 0.0 | 0.0 | 15 | 15 | 11 | 6.9 |
| MIN | 0.0 | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC-FT | 0 | | | | | | 0 | 0 | 329 | 439 | 278 | 154 |

WATER YEAR 1987 TOTAL 605 MEAN 2 AC-FT 1199

WR-NUMBER: 63-00012
CURRENT OWNER: O. L. MILSTEAD
PRIORITY DATE: 07-01-1921
STAGE: DECREED
WATER-DIST: 63

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:
WATER USE:
IRRIGATION
STOCKWATER
HEATING
DOMESTIC

| DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|
| 0.140 | | | |
| TOTAL: 0.140 | | | |

DECREE PLAINTIFF: SILKEY
DECREE DEFENDANT: TIEGS

Hot

REMARKS: TRANS. #268.
P/U DESC. BY METES & BOUNDS.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SE | |
| | 04N | 02E | 28 | NW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SE | | |
| | 04N | 02E | 29 | SE NE | | |

---

WR-NUMBER: 63-00013
CURRENT OWNER: O. L. MILSTEAD
PRIORITY DATE: 07-01-1922
STAGE: DECREED
WATER-DIST: 63

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:
WATER USE:
IRRIGATION
STOCKWATER
HEATING
DOMESTIC

| DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|
| 0.660 | | | |
| TOTAL: 0.660 | | | |

DECREE PLAINTIFF: SILKEY
DECREE DEFENDANT: TIEGS

Hot

REMARKS: TRANS. #268.
P/U DESCRIBED BY METES & BOUNDS.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SE | |
| | 04N | 02E | 28 | NW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SE | | |
| | 04N | 02E | 29 | SE NE | | |

WR-NUMBER: 63-00014
CURRENT OWNER: THOMAS F. EDWARDS
PRIORITY DATE: 11-22-1926
STAGE: DECREED

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:
WATER-DIST: 63

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.840 | | | |
| STOCKWATER | | | | |
| DOMESTIC | | | | |
| HEATING | | | | |
| TOTAL: | 0.840 | | | |

DECREE PLAINTIFF: SILKEY
DECREE DEFENDANT: TIEGS

Hot

REMARKS: .3 CFS FROM 10/1 TO 4/1. 4/1 TO 10/1 .4 CFS OR SO MUCH THEREOF THAT WILL NOT DEPLETE PLAINTIFFS WELL BELOW .8 CFS.
AC. IRR.=25.58.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW NE | |
| | 04N | 02E | 29 | SW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW NE | | |
| | 04N | 02E | 29 | SW NE | | |

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WR-NUMBER: 63-00015
CURRENT OWNER: H. W. TIEGS
PRIORITY DATE: 03-23-1927
STAGE: DECREED

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:
WATER-DIST: 63

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.800 | | | |
| DOMESTIC | | | | |
| STOCKWATER | | | | |
| HEATING | | | | |
| TOTAL: | 0.800 | | | |

DECREE PLAINTIFF: SILKEY
DECREE DEFENDANT: TIEGS

Hot

REMARKS: NO WATER TO BE ALLOWED TO FLOW OR BE USED FROM TIEGS WELL UNTIL FURTHER NOTICE BY COURT.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 28 | NW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 28 | NW SW | | |

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WR-NUMBER: 63-00016
CURRENT OWNER: J. RYAN
PRIORITY DATE: 09-24-1927
STAGE: DECREED

WR-NUMBER: 63-00016 (cont'd)

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:
WATER-DIST: 63

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.800 | | | |
| DOMESTIC | | | | |
| STOCKWATER | | | | |
| HEATING | | | | |
| TOTAL: | 0.800 | | | |

DECREE PLAINTIFF: SILKEY
DECREE DEFENDANT: TIEGS

REMARKS: NO WATER PERMITTED TO FLOW OR BE USED FROM RYAN WELL UNTIL FURTHER NOTICE BY COURTS.

Hot

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE NW | | 20.0 |
| | | | | TOTAL ACRES: | | 20.0 |

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WR-NUMBER: 63-02402
CURRENT OWNER: THOMAS F. EDWARDS, BOISE, ID
PRIORITY DATE: 11-22-1926
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.840 | | | |
| DOMESTIC | | | | |
| HEATING | | | | |
| TOTAL: | 0.840 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW NE | |

Hot

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW NE | | 13.0 |
| | 04N | 02E | 29 | SW NE | | 13.0 |
| | | | | TOTAL ACRES: | | 26.0 |

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WR-NUMBER: 63-02628
CURRENT OWNER: BERT F. WHITE, 1901 N. 16TH ST., BOISE, ID 83702
PRIORITY DATE: 01-03-1946
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

WR-NUMBER: 63-02628 (cont'd)

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.170 | | | |
| DOMESTIC | | | | |
| TOTAL: | 0.170 | | | |

REMARKS: AC. IRR.=8.5.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SE | | 8.0 |
| | | | | TOTAL ACRES: | | 8.0 |

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WR-NUMBER: 63-02658

CURRENT OWNER:
H. M. AXTELL
RT. 3
BOISE, ID

PRIORITY DATE: 02-20-1947

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.050 | | | |
| DOMESTIC | | | | |
| TOTAL: | 0.050 | | | |

REMARKS: P/U IN LOTS 2 & 3, FELTWELL SUBD.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SE | | 2.0 |
| | | | | TOTAL ACRES: | | 2.0 |

---

WR-NUMBER: 63-02661

CURRENT OWNER:
LORIS M. PROHASKA
HAZEL MAY PROHASKA
RT. 3
BOISE, ID

PRIORITY DATE: 03-11-1947

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.060 | | | |
| DOMESTIC | | | | |
| TOTAL: | 0.060 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | |

WR-NUMBER: 63-02661 (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | | 2.0 |
| | | | | TOTAL ACRES: | | 2.0 |

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WR-NUMBER: 63-02689
CURRENT OWNER: AUDREY M. CARTER, RT. 3, BOISE, ID 83702
PRIORITY DATE: 03-20-1948
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.200 | | | |
| DOMESTIC | | | | |
| TOTAL: | 0.200 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SE | | 9.0 |
| | | | | TOTAL ACRES: | | 9.0 |

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WR-NUMBER: 63-02697
CURRENT OWNER: GEORGE GLEN ROHRER, 2112 N. 14TH ST., BOISE, ID 83702
PRIORITY DATE: 05-20-1948
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.040 | | | |
| TOTAL: | 0.040 | | | |

REMARKS: ONE P/D IN E1/2 SW1/4, S29, T4N, R2E, L7, SYCAMORE DR. SUBD.
P/U L6 & 7, SYCAMORE DR. SUBD. IRR. OF 2 AC. GARDEN & PASTURE.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SW | |
| | 04N | 02E | 29 | SE SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SW | | |
| | 04N | 02E | 29 | SE SW | | |

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WR-NUMBER: 63-02726
CURRENT OWNER: C. A. PALMER, 1214 N. 8TH ST., BOISE, ID 83702
PRIORITY DATE: 10-20-1948
STAGE: LICENSE

WR-NUMBER: 63-02726 (cont'd)

COUNTY: ADA
SOURCE: GROUNDWATER TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.020 | | | |
| DOMESTIC | | | | |
| TOTAL: | 0.020 | | | |

REMARKS: P/D & P/U IN E 1/2SW, S29, T4N, R2E.
P/D & P/U IN LOT 14, SYCAMORE DRIVE, COLLISTER.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SW | |
| | 04N | 02E | 29 | SE SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | | | |

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WR-NUMBER: 63-02817
CURRENT OWNER: HOWARD E. WATERMAN, RT. 2, BOISE, ID
PRIORITY DATE: 06-20-1950
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.050 | | | |
| DOMESTIC | | | | |
| TOTAL: | 0.050 | | | |

REMARKS: AC. IRR.=1.5.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW NE | | 2.0 |
| | | | | TOTAL ACRES: | | 2.0 |

---

WR-NUMBER: 63-02820
CURRENT OWNER: ROBERT P. JONES, BOISE, ID
PRIORITY DATE: 06-28-1950
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.080 | | | |
| DOMESTIC | | | | |
| TOTAL: | 0.080 | | | |

REMARKS: AC. IRR.=4.
2 P/D IN W1/2 SW1/4, S28, T4N, R2E.

WR-NUMBER: 63-02820 (cont'd)

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 28 | NW SW | |
| | 04N | 02E | 28 | SW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 28 | NW SW | | |
| | 04N | 02E | 28 | SW SW | | |

---

WR-NUMBER: 63-02884

CURRENT OWNER:
RICHARD C. RENK
BOISE, ID

PRIORITY DATE: 09-18-1951

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:
WATER USE:

| | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.100 | | | |
| DOMESTIC | | | | |
| TOTAL: | 0.100 | | | |

REMARKS: AC. IRR.=4.06.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 28 | NW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 28 | NW SW | | 4.0 |
| | | | | TOTAL ACRES: | | 4.0 |

---

WR-NUMBER: 63-02959

CURRENT OWNER:
E. L. FULLER
BOISE, ID

PRIORITY DATE: 09-01-1953

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:
WATER USE:

| | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.060 | | | |
| DOMESTIC | | | | |
| TOTAL: | 0.060 | | | |

REMARKS: P/D LOT 11, EDWARDS SUBD.
P/U LOTS 11 & 12, EDWARDS SUBD.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW NE | | |

---

WR-NUMBER: 63-02993

CURRENT OWNER:
KENNETH OLSON
BOISE, ID

PRIORITY DATE: 06-28-1954

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
IRRIGATION
DOMESTIC

| | TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|---|
| | | 0.040 | | | |
| TOTAL: | | 0.040 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | | 2.0 |
| | | | | TOTAL ACRES: | | 2.0 |

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WR-NUMBER: 63-03047

CURRENT OWNER:
MAY NELSON
F. OSCAR NELSON
RT. 3
BOISE, ID 83709

PRIORITY DATE: 05-23-1955

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
IRRIGATION
DOMESTIC

| | TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|---|
| | | 0.050 | | | |
| TOTAL: | | 0.050 | | | |

REMARKS: AC. IRR. = 2.245.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | | 2.0 |
| | | | | TOTAL ACRES: | | 2.0 |

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WR-NUMBER: 63-03061

CURRENT OWNER:
WILLIAM WOODALL
BERNICE WOODALL
RT. 3 BOX 68
BOISE, ID 83709

PRIORITY DATE: 08-18-1955

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
IRRIGATION
DOMESTIC

| | TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|---|
| | | 0.020 | | | |
| | | 0.020 | | | |
| TOTAL: | | 0.040 | | | |

WR-NUMBER: 63-03061 (cont'd)

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 20 | NW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 20 | NW SW | | 1.0 |
| | | | | TOTAL ACRES: | | 1.0 |

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WR-NUMBER: 63-03087

CURRENT OWNER:
H. D. LEEPER
C/O JERRY O. DAVIS
3801 TAMARACK DR.
BOISE, ID 83703

PRIORITY DATE: 06-20-1956

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.020 | 3.15 | 03/15 | 11/15 |
| DOMESTIC | 0.020 | 0.60 | 01/01 | 12/31 |
| TOTAL: | 0.020 | 3.75 | | |

REMARKS: AC. IRR. = 0.7.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW SE | | 1.0 |
| | | | | TOTAL ACRES: | | 1.0 |

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WR-NUMBER: 63-03407

CURRENT OWNER:
RUTH A. MARKS
4517 SHIRLEY AVE.
BOISE, ID 83703

PRIORITY DATE: 03-16-1964

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.020 | 2.57 | 04/01 | 11/01 |
| DOMESTIC | | | 01/01 | 12/31 |
| TOTAL: | 0.020 | 2.57 | | |

REMARKS: AC. IRR.=.5.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE NW | | 1.0 |
| | | | | TOTAL ACRES: | | 1.0 |

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WR-NUMBER: 63-03418
CURRENT OWNER: JENNIE R. HIGBY, RT. 1, BOISE, ID 83703
PRIORITY DATE: 10-07-1964
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.100 | 14.07 | 04/01 | 10/31 |
| DOMESTIC | | | 01/01 | 12/31 |
| TOTAL: | 0.100 | 14.07 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 27 | NE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 27 | NE SE | | 3.0 |
| | | | | TOTAL ACRES: | | 3.0 |

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WR-NUMBER: 63-03554
CURRENT OWNER: FRANK A. ROWE, JR., 3805 NORTH ST., BOISE, ID 83703
PRIORITY DATE: 10-18-1966
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.060 | 13.50 | 03/15 | 11/15 |
| FIRE PROTECTION | 0.100 | | 01/01 | 12/31 |
| TOTAL: | 0.100 | 13.50 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW SW | | 3.0 |
| | | | | TOTAL ACRES: | | 3.0 |

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WR-NUMBER: 63-03603
CURRENT OWNER: J. L. TERTELING, P.O. BOX 2730, BOISE, ID 83701
PRIORITY DATE: 04-26-1967
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 1.030 | 351.00 | 03/15 | 11/15 |
| TOTAL: | 1.030 | 351.00 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 22 | SW NW | |
| | 04N | 02E | 22 | NE NW | |
| | 04N | 02E | 22 | NW SW | |

WR-NUMBER: 63-03603 (cont'd)

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 22 | NE NW | | 3.0 |
| 04N | 02E | 22 | NW NW | | 5.0 |
| 04N | 02E | 22 | SW NW | | 3.0 |
| 04N | 02E | 22 | NE SW | | 20.0 |
| 04N | 02E | 22 | NW SW | | 22.0 |
| 04N | 02E | 22 | SE SW | | 12.0 |
| 04N | 02E | 22 | NW SE | | 13.0 |
| | | | TOTAL ACRES: | | 78.0 |

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WR-NUMBER: 63-04031

CURRENT OWNER:
JERRY DAVISON
BESSIE DAVISON
6216 PIERCE PARK LN.
BOISE, ID 83703

PRIORITY DATE: 05-15-1946

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.040 | | 04/01 | 10/01 |
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| STOCKWATER | 0.040 | | 01/01 | 12/31 |
| TOTAL: | 0.040 | | | |

REMARKS: P/U NOT LISTED.
IRR. IS FOR LAWN AND ACRES NOT LISTED.

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 19 | NE NW | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 19 | NE NW | | |

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WR-NUMBER: 63-04037

CURRENT OWNER:
VICTOR L. NIBLER
4250 N. 36TH
BOISE, ID

PRIORITY DATE: 10-01-1931

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 2.400 | | 04/01 | 10/31 |
| TOTAL: | 2.400 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 28 | NW NE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 21 | SE SW | | 10.0 |
| 04N | 02E | 21 | SW SE | | 10.0 |

Hart

WR-NUMBER: 63-04037 (cont'd)

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 28 | NW NE | | 15.0 |
| 04N | 02E | 28 | NE NW | | 5.0 |
| 04N | 02E | 28 | NW NW | | 20.0 |
| | | | TOTAL ACRES: | | 60.0 |

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WR-NUMBER: 63-04040

CURRENT OWNER:
LARRY W. TERRY
VERDA G. TERRY
3506 NORTH ST.
BOISE, ID

PRIORITY DATE: 04-08-1957

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE: DOMESTIC

| | TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|---|
| | | 0.020 | | 01/01 | 12/31 |
| TOTAL: | | 0.020 | | | |

REMARKS: P/U NOT LISTED.

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 29 | NW SW | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 29 | NW SW | | |

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WR-NUMBER: 63-04129

CURRENT OWNER:
ROBERT J. REIBER
PATRICIA V. REIBER
3738 HILL RD.
BOISE, ID 83701

PRIORITY DATE: 09-01-1962

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE: DOMESTIC

| | TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|---|
| | | 0.030 | | 01/01 | 12/31 |
| TOTAL: | | 0.030 | | | |

REMARKS: P/U NOT LISTED.

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 29 | SE NE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 29 | SE NE | | |

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WR-NUMBER: 63-04135

CURRENT OWNER:
THOMAS E. CAMPBELL
ESTHER CAMPBELL
5200 CASTLE DR.

PRIORITY DATE: 05-01-1948

STAGE: STATUTORY CLAIM

WR-NUMBER: 63-04135 (cont'd)

ADDRESS:
BOISE, ID 83703

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
DOMESTIC
TOTAL:

| TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.040 | | 01/01 | 12/31 |
| | 0.040 | | | |

REMARKS: P/U IN L.16, SEAMENS 3RD SUBD.

| | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| POINT OF DIVERSION: | 04N | 02E | 19 | SE SE | | |
| PLACE OF USE: | 04N | 02E | 19 | SE SE | | |

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WR-NUMBER: 63-04143

CURRENT OWNER:
KENNETH F. SMITH
6010 OUTLOOK AVE.
BOISE, ID 83703

PRIORITY DATE: 08-14-1968

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
DOMESTIC
TOTAL:

| TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.030 | | 01/01 | 12/31 |
| | 0.030 | | | |

REMARKS: P/U NOT LISTED.

| | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| POINT OF DIVERSION: | 04N | 02E | 19 | NE SW | | |
| PLACE OF USE: | 04N | 02E | 19 | NE SW | | |

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WR-NUMBER: 63-04206

CURRENT OWNER:
DAN ANDREGG
MARIE ANDREGG
4170 BODENHEIMER
BOISE, ID 83703

PRIORITY DATE: 10-01-1972

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
DOMESTIC
TOTAL:

| TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.040 | 1.20 | 01/01 | 12/31 |
| | 0.040 | 1.20 | | |

REMARKS: P/U NOT LISTED.

WR-NUMBER: 63-04206 (cont'd)

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | | |

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WR-NUMBER: 63-04669

CURRENT OWNER:
PETER M. LARSON
RUTH M. LARSON
2818 NEFF STREET
BOISE, ID 83703

PRIORITY DATE: 05-01-1954

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| TOTAL: | 0.040 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 28 | SE SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 28 | SE SW | | |

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WR-NUMBER: 63-04670

CURRENT OWNER:
OTIS E. MC CUTCHEON
VIRGINIA MC CUTCHEON
3415 HAWTHORNE DRIVE
BOISE, ID 83703

PRIORITY DATE: 01-01-1950

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| TOTAL: | 0.040 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SE | | |

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WR-NUMBER: 63-04711

CURRENT OWNER:
BOISE CHRISTIAN HOMES INC.
3223 N. 36TH
BOISE, ID 83703

PRIORITY DATE: 01-01-1946

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

WR-NUMBER: 63-04711 (cont'd)

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.200 | | 01/01 | 12/31 |
| TOTAL: | 0.200 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE SE | | |

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WR-NUMBER: 63-04713

CURRENT OWNER:
GEORGE GURIUS
3310 HAWTHORNE
BOISE, ID 83703

PRIORITY DATE: 01-01-1947

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.040 | | 04/01 | 10/31 |
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| TOTAL: | 0.080 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SE | | 2.0 |
| | | | | TOTAL ACRES: | | 2.0 |

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WR-NUMBER: 63-04715

CURRENT OWNER:
E. HAROLD DAVIS
LILLIAN E. DAVIS
3404 HAWTHORNE AVE.
BOISE, ID 83703

PRIORITY DATE: 07-01-1945

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| IRRIGATION | 0.020 | | 03/15 | 11/15 |
| TOTAL: | 0.060 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SE | | 1.0 |
| | | | | TOTAL ACRES: | | 1.0 |

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WR-NUMBER: 63-04775

CURRENT OWNER:
HILLSIDE WATER USERS INC.
C/O PENNY KRESGE
4365 GINZEL ST.
BOISE, ID 83703

PRIORITY DATE: 01-01-1962

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:
WATER USE:

| | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.680 | | 01/01 | 12/31 |
| TOTAL: | 0.680 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 29 | SE NE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 29 | NE NE | | |
| 04N | 02E | 29 | SE NE | | |

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WR-NUMBER: 63-04824

CURRENT OWNER:
HERMAN C. STEINMAN
HELEN L. STEINMAN
5323 HILL RD.
BOISE, ID 83703

PRIORITY DATE: 07-01-1955

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:
WATER USE:

| | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.030 | | 03/15 | 11/15 |
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| TOTAL: | 0.070 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 19 | NE SE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 19 | NE SE | | 1.0 |
| | | | TOTAL ACRES: | | 1.0 |

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WR-NUMBER: 63-04857

CURRENT OWNER:
IVAN M. BELL
5422 BLOOM LN.
BOISE, ID 83703

PRIORITY DATE: 01-01-1947

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:
WATER USE:

| | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.060 | | 01/01 | 12/31 |
| TOTAL: | 0.060 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 29 | SE NW | |

WR-NUMBER: 63-04857 (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NW | | |

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WR-NUMBER: 63-04946

CURRENT OWNER:
RICHARD B. VERING
DONNA A. VERING
3204 HAWTHORNE
BOISE, ID 83703

PRIORITY DATE: 01-01-1948

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| TOTAL: | 0.040 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SE | | |

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WR-NUMBER: 63-04967

CURRENT OWNER:
COLLISTER BIBLE HALL PROP. INC.
4707 W. STATE ST.
P.O. BOX 3134
BOISE, ID 83703

PRIORITY DATE: 05-01-1943

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.100 | | 01/01 | 12/31 |
| TOTAL: | 0.100 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE SW | | |

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WR-NUMBER: 63-04993

CURRENT OWNER:
CHURCH OF JESUS CHRIST LATTER DAY SAINTS
PRESIDING BISHOPRIC
50 E. N. TEMPLE ST.
SALT LAKE CITY, UT 84150

PRIORITY DATE: 04-01-1961

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.460 | | 01/01 | 12/31 |
| TOTAL: | 0.460 | | | |

WR-NUMBER: 63-04993 (cont'd)

REMARKS: LOCAL REPRESENTATIVE: LYAL CHRISTENSEN, 2217 SMITH AVE., BOISE ID. 83702, PHONE 344-2631.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | NW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | NW SE | | |

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WR-NUMBER: 63-04994
CURRENT OWNER: CHURCH OF JESUS CHRIST LATTER DAY SAINTS, PRESIDING BISHOPRIC, 50 E. N. TEMPLE ST., SALT LAKE CITY, UT 84150
PRIORITY DATE: 05-01-1951
STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.010 | | 04/15 | 10/01 |
| TOTAL: | 0.010 | | | |

REMARKS: LOCAL REPRESENTATIVE: LYAL CHRISTENSEN, 2217 SMITH AVE., BOISE ID., PHONE 344-2631.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 28 | SW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 28 | SW SE | | |

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WR-NUMBER: 63-05028
CURRENT OWNER: COLLISTER UNITED METHODIST CHURCH, 4400 TAFT, BOISE, ID 83703
PRIORITY DATE: 01-01-1950
STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| TOTAL: | 0.040 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE SW | | |

---

WR-NUMBER: 63-05065
CURRENT OWNER: PAUL WILSON EDWARDS
PRIORITY DATE: 10-01-1956
STAGE: STATUTORY CLAIM

WR-NUMBER: 63-05065 (cont'd)

ADDRESS:
4203 CATALPA DR.
BOISE, ID 83703

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:

| | TRIBUTARY: DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.020 | | 01/01 | 12/31 |
| DOMESTIC | 0.020 | | 01/01 | 12/31 |
| TOTAL: | 0.040 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 29 | SW NE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 29 | SW NE | | 1.0 |
| | | | TOTAL ACRES: | | 1.0 |

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WR-NUMBER: 63-05067

CURRENT OWNER:
PAUL WILSON EDWARDS
4203 CATALPA DR.
BOISE, ID 83703

PRIORITY DATE: 10-01-1930

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:

| | TRIBUTARY: DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.360 | | 04/01 | 10/15 |
| DOMESTIC | 0.020 | | 04/01 | 10/15 |
| TOTAL: | 0.360 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 29 | SW NE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 29 | SW NE | | 6.0 |
| | | | TOTAL ACRES: | | 6.0 |

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WR-NUMBER: 63-05119

CURRENT OWNER:
JACK P. RENCHER
LOUISE RENCHER
P.O. BOX 7927
BOISE, ID 83707

PRIORITY DATE: 07-01-1955

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:

| | TRIBUTARY: DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.400 | | 03/15 | 11/15 |
| DOMESTIC | 0.400 | | 01/01 | 12/31 |
| TOTAL: | 0.800 | | | |

WR-NUMBER: 63-05119 (cont'd)

REMARKS: P/U SUBD. HAPPY LAND SUBD. & MITTON SUBD.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 28 | NW SW | |
| | 04N | 02E | 29 | NE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 28 | NW SW | | 10.0 |
| | 04N | 02E | 29 | NE SE | | 10.0 |
| | | | | TOTAL ACRES: | | 20.0 |

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WR-NUMBER: 63-05193

CURRENT OWNER:
CHARLES E. COX III
3518 TAMARACK
BOISE, ID 83703

PRIORITY DATE: 01-01-1946

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.090 | | 03/15 | 11/15 |
| DOMESTIC | 0.110 | | 01/01 | 12/31 |
| TOTAL: | 0.200 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW SE | | 3.0 |
| | | | | TOTAL ACRES: | | 3.0 |

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WR-NUMBER: 63-05195

CURRENT OWNER:
RAYMOND F. STRALOW
VERA K. STRALOW
3911 WHITEBIRD
BOISE, ID 83703

PRIORITY DATE: 01-01-1900

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.060 | | 03/15 | 11/15 |
| HEATING | 0.740 | | 01/01 | 12/31 |
| DOMESTIC | 0.100 | | 01/01 | 12/31 |
| TOTAL: | 0.900 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW NE | | 2.0 |
| | | | | TOTAL ACRES: | | 2.0 |

WR-NUMBER: 63-05231
CURRENT OWNER: SCHOOL DISTRICT OF BOISE CITY
PIERCE PARK SCHOOL
1207 FORT ST.
BOISE, ID 83702
PRIORITY DATE: 01-01-1937
STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.110 | | 01/01 | 12/31 |
| TOTAL: | 0.110 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SW | | |

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WR-NUMBER: 63-05234
CURRENT OWNER: J. KINDALL STROPE
3800 HILL RD.
BOISE, ID 83703
PRIORITY DATE: 01-01-1952
STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.020 | | 03/15 | 11/15 |
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| TOTAL: | 0.060 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | | 1.0 |
| | | | | TOTAL ACRES: | | 1.0 |

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WR-NUMBER: 63-05284
CURRENT OWNER: CHARLIE L. GIBSON
CECIL GIBSON
5125 BOGUS BASIN RD.
BOISE, ID 83702
PRIORITY DATE: 04-01-1947
STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.600 | | 04/01 | 11/01 |
| TOTAL: | 0.600 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 22 | NE SE | |
| | 04N | 02E | 22 | SE NE | |

WR-NUMBER: 63-05284 (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 22 | SE NE | | 15.0 |
| | 04N | 02E | 22 | NE SE | | 5.0 |
| | 04N | 02E | 23 | SW NW | | 8.0 |
| | 04N | 02E | 23 | NW SW | | 2.0 |
| | | | | TOTAL ACRES: | | 30.0 |

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WR-NUMBER: 63-05287

CURRENT OWNER:
KAY ANDERSON
4322 CATALAPA DR.
BOISE, ID 83703

PRIORITY DATE: 07-01-1953

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.120 | | 03/15 | 11/15 |
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| TOTAL: | 0.160 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW NE | | 4.0 |
| | | | | TOTAL ACRES: | | 4.0 |

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WR-NUMBER: 63-05307

CURRENT OWNER:
PAUL G. MATTHEWS
GLADYS L. MATTHEWS
3407 HAWTHORNE DR.
BOISE, ID 83703

PRIORITY DATE: 06-01-1949

STAGE: STATUTORY CLAIM

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| TOTAL: | 0.040 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SE | | |

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WR-NUMBER: 63-05325

CURRENT OWNER:
SCHOOL DISTRICT OF BOISE CITY
COLLISTER SCHOOL
1207 FORT ST.
BOISE, ID 83702

PRIORITY DATE: 04-01-1959

STAGE: STATUTORY CLAIM

WR-NUMBER: 63-05325 (cont'd)

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.100 | | 04/01 | 10/30 |
| TOTAL: | 0.100 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NW | | 4.0 |
| | | | | TOTAL ACRES: | | 4.0 |

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WR-NUMBER: 63-07027A

CURRENT OWNER:
MYRON TUCKER
ELAINE TUCKER
6600 HILL RD.
BOISE, ID 83703

PRIORITY DATE: 09-25-1967

STAGE: PERMIT

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.240 | | 01/01 | 12/31 |
| TOTAL: | 0.240 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SW | | |

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WR-NUMBER: 63-07043

CURRENT OWNER:
ALDEN M. STROUD
BOISE, ID

PRIORITY DATE: 12-04-1967

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.020 | 0.73 | 01/01 | 12/31 |
| TOTAL: | 0.020 | 0.73 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW NE | | |
| | 04N | 02E | 29 | SW NE | | |

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WR-NUMBER: 63-07044

CURRENT OWNER:
HENRY PETRI

PRIORITY DATE: 12-04-1967

STAGE: LICENSE

WR-NUMBER: 63-07044 (cont'd)

ADDRESS:
BOISE, ID

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
DOMESTIC

| | TRIBUTARY: DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.020 | 0.73 | 01/01 | 12/31 |
| TOTAL: | 0.020 | 0.73 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW NE | | |

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WR-NUMBER: 63-07294

CURRENT OWNER:
BEVERLY CRAWFORD
GLENN CRAWFORD
6636 LAKESIDE DR.
BOISE, ID 83703

PRIORITY DATE: 02-03-1970

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
DOMESTIC

| | TRIBUTARY: DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.020 | 1.20 | 01/01 | 12/31 |
| TOTAL: | 0.020 | 1.20 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SW | | |

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WR-NUMBER: 63-07299

CURRENT OWNER:
JOHN S. MC KINNEY
CAROL MC KINNEY
6650 LAKESIDE DR.
BOISE, ID 83703

PRIORITY DATE: 02-12-1970

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
DOMESTIC

| | TRIBUTARY: DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.020 | 1.20 | 01/01 | 12/31 |
| TOTAL: | 0.020 | 1.20 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SW | | |

WR-NUMBER: 63-07365

CURRENT OWNER:
LEWIS E. ANDERSON
VIOLA J. ANDERSON
5528 HILL RD.
BOISE, ID 83703

PRIORITY DATE: 08-24-1970

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.040 | 2.40 | 01/01 | 12/31 |
| TOTAL: | 0.040 | 2.40 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | NE NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | NE NE | | |

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WR-NUMBER: 63-07491

CURRENT OWNER:
EDWARD BLASER
4800 HILL RD.
BOISE, ID 83702

PRIORITY DATE: 02-01-1972

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.090 | 8.60 | 01/01 | 12/31 |
| TOTAL: | 0.090 | 8.60 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE NW | | |

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WR-NUMBER: 63-07546

CURRENT OWNER:
THOMAS E. CAMPBELL
ESTHER CAMPBELL
5200 CASTLE DR.
BOISE, ID 83703

PRIORITY DATE: 01-24-1972

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.040 | 1.20 | 01/01 | 12/31 |
| TOTAL: | 0.040 | 1.20 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | SE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | SE SE | | |

WR-NUMBER: 63-07595
CURRENT OWNER: J. L. TERTELING, P.O. BOX 4127, BOISE, ID 83704
PRIORITY DATE: 05-03-1972
STAGE: PERMIT

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 2.000 | | 04/01 | 11/01 |
| IRRIGATION FROM STORAGE | | 100.00 | 04/01 | 11/01 |
| IRRIGATION STORAGE | | 100.00 | 04/01 | 11/01 |
| STOCKWATER | 0.050 | | 01/01 | 12/31 |
| DOMESTIC | 0.050 | | 01/01 | 12/31 |
| TOTAL: | 2.000 | 100.00 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 15 | SE SE | |
| | 04N | 02E | 22 | NW NE | |
| | 04N | 02E | 22 | SW NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 14 | SW SW | | 11.0 |
| | 04N | 02E | 14 | SE SW | | 6.0 |
| | 04N | 02E | 22 | NW NE | | 9.0 |
| | 04N | 02E | 22 | NE NW | | 21.0 |
| | 04N | 02E | 22 | NW NW | | 20.0 |
| | 04N | 02E | 22 | SW NW | | 4.0 |
| | 04N | 02E | 15 | SE SE | | 32.0 |
| | | | | TOTAL ACRES: | | 103.0 |

Not

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WR-NUMBER: 63-07777
CURRENT OWNER: GEORGE M CALVERT, ANNA M. CALVERT, 5880 LAMPLIGHTER LN., BOISE, ID 83703
PRIORITY DATE: 04-17-1973
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.040 | 1.20 | 01/01 | 12/31 |
| TOTAL: | 0.040 | 1.20 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | NE NW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | NE NW | | |

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WR-NUMBER: 63-08024
CURRENT OWNER: GREEN ACRE PROPERTIES INC., BOISE, ID
PRIORITY DATE: 08-29-1974
STAGE: LICENSE

COUNTY: ADA

WR-NUMBER: 63-08024 (cont'd)

SOURCE: GROUNDWATER
WATER USE:
IRRIGATION
TOTAL:

| TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.040 | 9.00 | 04/01 | 10/31 |
| | 0.040 | 9.00 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NE SW | | 2.0 |
| | | | | TOTAL ACRES: | | 2.0 |

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WR-NUMBER: 63-08288

CURRENT OWNER:
LOREN S. CARTER
FAITH CARTER
3401 TAMARACK ST.
BOISE, ID 83703

PRIORITY DATE: 03-30-1976

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
DOMESTIC
TOTAL:

| TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.120 | 3.60 | 01/01 | 12/31 |
| | 0.120 | 3.60 | | |

REMARKS: LOT 39 SYCAMORE SUBDIVISION #3.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW SE | | |
| | 04N | 02E | 29 | SW SE | | |

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WR-NUMBER: 63-09145

CURRENT OWNER:
FIRST CHURCH OF CHRIST
5707 CASTLE DRIVE
BOISE, ID 83702

PRIORITY DATE: 05-01-1978

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
IRRIGATION
DOMESTIC
TOTAL:

| TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.120 | 13.50 | 03/15 | 11/15 |
| | 0.200 | 1.90 | 01/01 | 12/31 |
| | 0.200 | 15.40 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SE | | 3.0 |
| | | | | TOTAL ACRES: | | 3.0 |

WR-NUMBER: 63-09335
CURRENT OWNER: J.R. SIMPLOT CO.
P.O. BOX 27
BOISE, ID 83707
PRIORITY DATE: 01-21-1980
STAGE: PERMIT

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.800 | | 03/01 | 10/31 |
| STOCKWATER | 0.030 | | 01/01 | 12/31 |
| TOTAL: | 0.830 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 27 | NE SE | |
| | 04N | 02E | 27 | NE NE | |
| | 04N | 02E | 27 | NW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 27 | NE SE | | 35.0 |
| | 04N | 02E | 27 | SE SE | | 5.0 |
| | | | | TOTAL ACRES: | | 40.0 |

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WR-NUMBER: 63-09349
CURRENT OWNER: GEORGE CALVERT
5880 LAMPLIGHTER LN.
BOISE, ID 83703
PRIORITY DATE: 02-22-1980
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.080 | 2.40 | 01/01 | 12/31 |
| TOTAL: | 0.080 | 2.40 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | NW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | NW NE | | |

---

WR-NUMBER: 63-09725
CURRENT OWNER: BLASER SUBDIVISION NUMBER 7
C/O DONALD C. HAMMOND, PRES.
6211 LUCKY LN.
BOISE, ID 83703
PRIORITY DATE: 04-28-1981
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.150 | 12.00 | 01/01 | 12/31 |
| TOTAL: | 0.150 | 12.00 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | SE SW | |

WR-NUMBER: 63-09725 (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | SE SW | | |

---

WR-NUMBER: 63-09758

CURRENT OWNER:
TEE LTD.
4520 N. 36TH ST.
BOISE, ID 83703

PRIORITY DATE: 06-30-1981

STAGE: PERMIT

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 3.000 | | 03/15 | 10/15 |
| AESTHETIC | | 2.00 | 01/01 | 12/31 |
| TOTAL: | 3.000 | 2.00 | | |

REMARKS: 2 P/D ARE TWO WELLS FIRST DRILLED IN 1981 SECOND IS A POND

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 28 | SW NE | |
| | 04N | 02E | 21 | SW SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 21 | SW SE | | 40.0 |
| | 04N | 02E | 28 | NW NE | | 15.0 |
| | 04N | 02E | 28 | NE NW | | 30.0 |
| | 04N | 02E | 28 | NW NW | | 15.0 |
| | 04N | 02E | 28 | SE NW | | 10.0 |
| | | | | TOTAL ACRES: | | 110.0 |

---

WR-NUMBER: 63-09812

CURRENT OWNER:
FRANK K. ROBERTSON
BETTY H. ROBERTSON
3643 HILL RD.
BOISE, ID 83703

PRIORITY DATE: 08-18-1981

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.020 | 4.50 | 03/15 | 11/15 |
| DOMESTIC | 0.080 | 1.20 | 01/01 | 12/31 |
| TOTAL: | 0.100 | 5.70 | | |

REMARKS: Domestic use is for a duplex.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SE NE | | 1.0 |
| | | | | TOTAL ACRES: | | 1.0 |

WR-NUMBER: 63-10056

CURRENT OWNER:
RICHARD A. POPLACK
5603 CASTLE DR.
BOISE, ID 83703

PRIORITY DATE: 04-20-1983

STAGE: LICENSE

WATER-DIST: 63

COUNTY: ADA
SOURCE: GROUNDWATER
WASTE DITCH

TRIBUTARY: BOISE RIVER

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.040 | 9.00 | 03/15 | 11/15 |
| TOTAL: | 0.040 | 9.00 | | |

REMARKS: This license is subject to the prior right of Farmer's Union Canal Co. to cease wasting water now or at any time in the future.
Sources are groundwater and waste ditch, tributary to Boise River.

| | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| POINT OF DIVERSION: | 04N | 02E | 19 | SW SE | | |
| PLACE OF USE: | 04N | 02E | 19 | SW SE | | 1.7 |
| | | | | TOTAL ACRES: | | 1.7 |

---

WR-NUMBER: 63-10072

CURRENT OWNER:
KENNETH OLIASON
VAUNA OLIASON
5110 HILL RD.
BOISE, ID 83703

PRIORITY DATE: 06-15-1983

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER

TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.030 | 4.50 | 03/15 | 11/15 |
| DOMESTIC | 0.040 | 1.20 | 01/01 | 12/31 |
| RECREATION | 0.040 | 0.20 | 01/01 | 12/31 |
| TOTAL: | 0.110 | 5.90 | | |

REMARKS: Domestic use is for 2 homes.

| | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| POINT OF DIVERSION: | 04N | 02E | 20 | SE SW | | |
| PLACE OF USE: | 04N | 02E | 20 | SE SW | | 1.0 |
| | | | | TOTAL ACRES: | | 1.0 |

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WR-NUMBER: 63-10234

CURRENT OWNER:
IMA J. SCANTLING
DONALD J. SCANTLING
4911 N. MITCHELL
BOISE, ID 83704

PRIORITY DATE: 05-14-1984

STAGE: PERMIT

WR-NUMBER: 63-10234 (cont'd)

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
DOMESTIC
TOTAL:

| TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.110 | | 01/01 | 12/31 |
| | 0.110 | | | |

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 19 | NE NE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 19 | NE NE | | |

---

WR-NUMBER: 63-10243

CURRENT OWNER:
JULIE BARROETABENA
KIP DIDERICKSEN
602 E. 52ND
BOISE, ID 837140000

PRIORITY DATE: 12-07-1983

STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
DOMESTIC
TOTAL:

| TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.040 | 1.20 | 01/01 | 12/31 |
| | 0.040 | 1.20 | | |

REMARKS: Domestic use is for a duplex.

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 19 | SE NE | |

PLACE OF USE:

| Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|
| 04N | 02E | 19 | SE NE | | |

---

WR-NUMBER: 63-10298

CURRENT OWNER:
LORI SKOGERSON
4912 BLOOM
BOISE, ID 83703

PRIORITY DATE: 06-10-1985

STAGE: PERMIT

COUNTY: ADA
SOURCE: GROUNDWATER
WATER USE:
IRRIGATION
DOMESTIC
TOTAL:

| TRIBUTARY: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| | 0.060 | | 04/01 | 10/31 |
| | 0.040 | | 01/01 | 12/31 |
| | 0.100 | | | |

REMARKS: P/U LOT 4, HALLS ADDITION.

POINT OF DIVERSION:

| Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|
| 04N | 02E | 29 | SW NW | |

WR-NUMBER: 63-10298 (cont'd)

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW NW | | 3.0 |
| | | | | TOTAL ACRES: | | 3.0 |

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WR-NUMBER: 63-10314
CURRENT OWNER:
J.R. SIMPLOT CO.
P.O. BOX 27
BOISE, ID 83707

PRIORITY DATE: 08-22-1985
STAGE: PERMIT

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.200 | | 03/15 | 11/15 |
| TOTAL: | 0.200 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 27 | NE SE | |
| | 04N | 02E | 27 | NE NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 27 | SW NE | | 1.0 |
| | 04N | 02E | 27 | SE NE | | 10.0 |
| | 04N | 02E | 27 | NW SE | | 2.0 |
| | 04N | 02E | 27 | SW SE | | 10.0 |
| | | | | TOTAL ACRES: | | 23.0 |

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WR-NUMBER: 63-10394
CURRENT OWNER:
DAVID CLOPTON
SARAH BLACKMER
5205 HILL RD.
BOISE, ID 837030000

PRIORITY DATE: 01-20-1987
STAGE: LICENSE

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.020 | 4.50 | 03/15 | 11/15 |
| DOMESTIC | 0.020 | 0.60 | 01/01 | 12/31 |
| TOTAL: | 0.040 | 5.10 | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | SE NE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | NE SE | | 1.0 |
| | | | | TOTAL ACRES: | | 1.0 |

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WR-NUMBER: 63-10401
CURRENT OWNER:
O DELL LOWDER
3512 NORTH ST.
BOISE, ID 837030000

PRIORITY DATE: 03-17-1987
STAGE: PERMIT

WR-NUMBER: 63-10401 (cont'd)

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.060 | | 01/01 | 12/31 |
| TOTAL: | 0.060 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | SW SW | | |

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WR-NUMBER: 63-10533

CURRENT OWNER:
BOISE WATER CORP.
P.O. BOX 7488
BOISE, ID 837070000

PRIORITY DATE: 09-09-1987

STAGE: PERMIT

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| MUNICIPAL | 1.000 | | 01/01 | 12/31 |
| TOTAL: | 1.000 | | | |

REMARKS: P/U WITHIN THE CITY LIMITS OF BOISE.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 27 | NW SE | |

---

WR-NUMBER: 63-10654

CURRENT OWNER:
JULIE WISNEFSKY
4801 HILLSIDE AVE.
BOISE, ID 83703

PRIORITY DATE: 06-24-1988

STAGE: PERMIT

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.060 | | 03/15 | 11/15 |
| DOMESTIC | 0.060 | | 01/01 | 12/31 |
| TOTAL: | 0.120 | | | |

REMARKS: P/D ALSO KNOWN AS LOT 11, BLK. 1, HILLSIDE 1ST SUBDIVISION.
ADDITIONAL WORK ON THE COMPLETED WELL IS NOT AUTHORIZED WITHOUT
SPECIFIC APPROVAL OF THE DEPT.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 20 | NW SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 20 | NW SW | | 2.0 |

WR-NUMBER: 63-10654 (cont'd)

TOTAL ACRES: 2.0

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WR-NUMBER: 63-10737

CURRENT OWNER:
QUAIL RIDGE PARTNERSHIP
2304 N. COLE RD.
SUITE A
BOISE, ID 83704

PRIORITY DATE: 10-25-1988

STAGE: PERMIT

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.090 | | 03/15 | 11/15 |
| TOTAL: | 0.090 | | | |

REMARKS: IF WATER WITH A TEMP. GREATER THAN 85 DEGREES FAHRENHEIT IS ENCOUNTERED BY THE DRILLER, THE DEPT. MUST BE IMMEDIATELY NOTIFIED & DRILLING MUST IMMEDIATELY CEASE PENDING A REVIEW OF DRILLING CONDITIONS BY THE DEPT. DRILLING FLUID RETURN TEMPERATURES SHALL BE MONITORED EACH 20 FT. DURING DRILLING, & A REPORT SHALL BE PREPARED OF THIS DATA. THIS REPORT, PLUS A DETERMINATION OF THE STATIC TEMP. GRADIENT WITHIN THE WELL SHALL BE SUBMITTED TO THE DEPT. WHEN THE WELL IS COMPLETED OR WHEN 85 DEGREE WATER IS ENCOUNTERED, WHICHEVER OCCURS FIRST.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 20 | NE SW | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 20 | NE SW | | 3.0 |
| | | | | TOTAL ACRES: | | 3.0 |

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WR-NUMBER: 63-10777

CURRENT OWNER:
TODD SCHAEFER
1515 GRANT
BOISE, ID 83706

PRIORITY DATE: 03-07-1989

STAGE: PERMIT

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.150 | | 03/15 | 11/15 |
| DOMESTIC | 0.110 | | 01/01 | 12/31 |
| TOTAL: | 0.260 | | | |

REMARKS: THE POINT OF DIVERSION IDENTIFIED IN THIS PERMIT IS LOCATED WITHIN THE BOUNDARIES OF THE BOISE FRONT LOW TEMP. GEOTHERMAL RESOURCE GROUND WATER MANAGEMENT AREA. IF WATER WITH A TEMP. GREATER THAN 85 DEGREES FAHRENHEIT IS ENCOUNTERED BY THE DRILLER, THE DEPT. MUST BE IMMEDIATELY NOTIFIED & DRILLING MUST IMMEDIATELY CEASE PENDING A REVIEW OF DRILLING CONDITIONS BY THE DEPT. DRILLING FLUID RETURN TEMPERATURES SHALL BE MONITORED EACH 20 FT. DURING DRILLING, & A REPORT SHALL BE PERPARED OF THIS

WR-NUMBER: 63-10777 (cont'd)

REMARKS:
DATA. THIS REPORT, PLUS A DETERMINATION OF THE STATIC TEMP. GRADIENT WITHIN THE WELL SHALL BE SUBMITTED TO THE DEPT. WHEN THE WELL IS COMPLETED OR WHEN 85 DEGREE FAHRENHEIT WATER IS ENCOUNTERED, WHICHEVER IS FIRST.

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 29 | NW NE | | 5.0 |
| | | | | TOTAL ACRES: | | 5.0 |

---

WR-NUMBER: 63-10847

CURRENT OWNER:
SCHOOL DISTRICT OF BOISE CITY
405 COLLINS RD.
BOISE, ID 83702

PRIORITY DATE: 05-10-1989

STAGE: APPLICATION

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| IRRIGATION | 0.500 | | 03/15 | 11/15 |
| TOTAL: | 0.500 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | NW SE SE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | SE SE | | 12.5 |
| | | | | TOTAL ACRES: | | 12.5 |

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WR-NUMBER: 63-10857

CURRENT OWNER:
MYRON TUCKER
6600 HILL RD.
BOISE, ID 83703

PRIORITY DATE: 07-19-1989

STAGE: APPLICATION

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| COMMERCIAL | 0.050 | | 01/01 | 12/31 |
| IRRIGATION | 0.020 | | 03/15 | 11/15 |
| TOTAL: | 0.070 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SW | 4 |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | SW SW | 4 | 0.5 |
| | | | | TOTAL ACRES: | | 0.5 |

---

WR-NUMBER: 63-10881

CURRENT OWNER:
IMA SCANTLING
DONALD SCANTLING
6262 PLANO LN.
BOISE, ID 83703

PRIORITY DATE: 08-08-1989

STAGE: APPLICATION

COUNTY: ADA
SOURCE: GROUNDWATER
TRIBUTARY:

| WATER USE: | DIVERSION RATE: | DIVERSION VOLUME: | PERIOD FROM: | PERIOD TO: |
|---|---|---|---|---|
| DOMESTIC | 0.040 | | 01/01 | 12/31 |
| TOTAL: | 0.040 | | | |

| POINT OF DIVERSION: | Twp | Rge | Sec | Tract | Lot |
|---|---|---|---|---|---|
| | 04N | 02E | 19 | NE NE | |

| PLACE OF USE: | Twp | Rge | Sec | Tract | Lot | Acres |
|---|---|---|---|---|---|---|
| | 04N | 02E | 19 | NE NE | | |

END OF REPORT

1-MAR-89

MICROFILMED
DEC 15 1989

13054111 R & J BROWN PUMP
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1987 TO OCTOBER 1988
MEAN VALUES

| DAY | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.0 | 16 | | 0.0 |
| 2 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.0 | 16 | | 0.0 |
| 3 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.0 | 15 | 0.0 | 0.0 |
| 4 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.0 | 16 | 0.0 | 0.0 |
| 5 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.0 | 16 | 0.0 | 0.0 |
| 6 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.0 | 16 | 0.0 | 0.0 |
| 7 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.0 | 16 | 0.0 | 0.0 |
| 8 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.0 | 16 | 0.0 | 0.0 |
| 9 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.0 | 16 | 0.0 | 0.0 |
| 10 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.0 | 16 | 0.0 | 0.0 |
| 11 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 2.5 | 12 | 0.0 | 0.0 |
| 12 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.8 | 9.1 | 0.0 | 0.0 |
| 13 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.7 | 12 | 0.0 | 0.0 |
| 14 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.7 | 16 | 4.1 | 0.0 |
| 15 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.6 | 16 | 5.4 | 0.0 |
| 16 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.3 | 16 | 6.9 | 0.0 |
| 17 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.4 | 14 | 5.9 | 0.0 |
| 18 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 9.2 | 16 | 1.0 | 0.0 |
| 19 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 7.9 | 17 | 0.0 | 0.0 |
| 20 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 19 | 11 | 0.0 | 0.0 |
| 21 | --- | --- | --- | --- | --- | --- | 0.0 | 9.0 | 19 | 0.0 | 5.2 | 0.0 |
| 22 | --- | --- | --- | --- | --- | --- | 0.0 | 9.0 | 17 | 7.0 | 10 | 0.0 |
| 23 | --- | --- | --- | --- | --- | --- | 0.0 | 9.0 | 18 | 16 | 8.3 | 0.0 |
| 24 | --- | --- | --- | --- | --- | --- | 0.0 | 9.0 | 19 | 17 | 0.0 | 0.0 |
| 25 | --- | --- | --- | --- | --- | --- | 0.0 | 9.0 | 19 | 17 | 0.0 | 0.0 |
| 26 | --- | --- | --- | --- | --- | --- | 0.0 | 9.0 | 19 | 17 | 0.0 | 0.0 |
| 27 | --- | --- | --- | --- | --- | --- | 0.0 | 9.0 | 18 | 16 | 1.0 | 0.0 |
| 28 | --- | --- | --- | --- | --- | --- | 0.0 | 9.0 | 17 | 15 | 0.0 | 0.0 |
| 29 | --- | --- | --- | --- | --- | --- | 0.0 | 9.0 | 17 | 15 | 0.0 | 0.0 |
| 30 | --- | --- | --- | --- | --- | --- | 0.0 | 9.0 | 16 | 15 | 0.0 | 0.0 |
| 31 | --- | --- | --- | --- | --- | --- | 0.0 | --- | 16 | 14 | --- | 0.0 |
| TOTAL | | | | | | | 0 | 90 | 380 | 448 | 53 | 0 |
| MEAN | | | | | | | 0.0 | 3.0 | 12 | 14 | 1.8 | 0.0 |
| MAX | | | | | | | 0.0 | 9.0 | 19 | 17 | 10 | 0.0 |
| MIN | | | | | | | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 |
| AC-FT | | | | | | | 0 | 179 | 754 | 888 | 105 | 0 |

IRRIGATION YEAR 1988 TOTAL 971 MEAN 3 AC-FT 1925

MICROFILMED
DEC 15 1989

13-MAR-89

13053971 J RICKS PUMP
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1987 TO OCTOBER 1988
MEAN VALUES

| DAY | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 2 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 3 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 4 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 5 | --- | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 6 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 7 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 8 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 9 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 10 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 11 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 12 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 13 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 14 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 15 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 16 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 3.0 | 0.0 |
| 17 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 3.0 | 0.0 |
| 18 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 3.0 | 0.0 |
| 19 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 3.0 | 0.0 |
| 20 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 3.0 | 0.0 |
| 21 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 22 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 23 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 24 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 25 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 26 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 27 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 1.5 | 0.0 | 0.0 |
| 28 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| 29 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| 30 | --- | --- | --- | --- | --- | --- | 0.0 | 3.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| 31 | --- | --- | --- | --- | --- | --- | 0.0 | --- | 1.5 | 0.0 | --- | 0.0 |
| TOTAL | | | | | | | 0 | 75 | 92 | 41 | 15 | 0 |
| MEAN | | | | | | | 0.0 | 2.5 | 3.0 | 1.3 | 0.5 | 0.0 |
| MAX | | | | | | | 0.0 | 3.0 | 3.0 | 1.5 | 3.0 | 0.0 |
| MIN | | | | | | | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 |
| AC-FT | | | | | | | 0 | 149 | 181 | 80 | 30 | 0 |

IRRIGATION YEAR 1988 TOTAL 222 MEAN 1 AC-FT 440

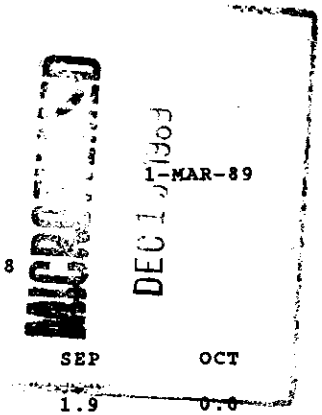
MICROFILMED DEC 15 1989

MAR-89

13054031 TETON PIPELINE #3 PUMP
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1987 TO OCTOBER 1988
MEAN VALUES

| DAY | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 34 | 34 | 15 | 0.0 |
| 2 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 34 | 34 | 13 | 0.0 |
| 3 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 31 | 34 | 16 | 0.0 |
| 4 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 34 | 32 | 16 | 0.0 |
| 5 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 34 | 32 | 15 | 0.0 |
| 6 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 33 | 29 | 7.7 | 0.0 |
| 7 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 33 | 29 | 4.7 | 0.0 |
| 8 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 23 | 30 | 27 | 6.6 | 0.0 |
| 9 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 32 | 25 | 5.4 | 0.0 |
| 10 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 35 | 28 | 25 | 0.0 | 0.0 |
| 11 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 36 | 30 | 25 | 0.0 | 0.0 |
| 12 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 33 | 33 | 25 | 0.0 | 0.0 |
| 13 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 36 | 33 | 20 | 0.0 | 0.0 |
| 14 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 36 | 34 | 13 | 0.0 | 0.0 |
| 15 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 36 | 35 | 16 | 0.0 | 0.0 |
| 16 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 36 | 35 | 20 | 0.0 | 0.0 |
| 17 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 34 | 35 | 20 | 27 | 0.0 |
| 18 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 34 | 35 | 23 | 21 | 0.0 |
| 19 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 32 | 35 | 23 | 21 | 0.0 |
| 20 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 32 | 35 | 22 | 20 | 0.0 |
| 21 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 32 | 35 | 22 | 15 | 0.0 |
| 22 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 32 | 35 | 22 | 11 | 0.0 |
| 23 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 32 | 30 | 23 | 7.4 | 0.0 |
| 24 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 32 | 35 | 23 | 3.0 | 0.0 |
| 25 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 34 | 35 | 21 | 1.9 | 0.0 |
| 26 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 36 | 35 | 20 | 1.9 | 0.0 |
| 27 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 36 | 35 | 23 | 1.9 | 0.0 |
| 28 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 33 | 32 | 24 | 1.0 | 0.0 |
| 29 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 32 | 32 | 19 | 0.0 | 0.0 |
| 30 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 33 | 32 | 17 | 0.0 | 0.0 |
| 31 | --- | --- | --- | --- | --- | --- | 0.0 | --- | 32 | 17 | --- | 0.0 |
| TOTAL | | | | | | 0 | 0 | 762 | 1021 | 738 | 229 | 0 |
| MEAN | | | | | | 0.0 | 0.0 | 25 | 33 | 24 | 7.6 | 0.0 |
| MAX | | | | | | 0.0 | 0.0 | 36 | 35 | 34 | 27 | 0.0 |
| MIN | | | | | | 0.0 | 0.0 | 0.0 | 28 | 13 | 0.0 | 0.0 |
| AC-FT | | | | | | 0 | 0 | 1511 | 2024 | 1464 | 455 | 0 |

IRRIGATION YEAR 1988 TOTAL 2750 MEAN 8 AC-FT 5454




13054041 TETON PIPELINE #2 PUMP
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1987 TO OCTOBER 1988
MEAN VALUES

| DAY | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 5.5 | 6.2 | 1.9 | 0.0 |
| 2 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 6.2 | 1.9 | 0.0 |
| 3 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 5.9 | 1.9 | 0.0 |
| 4 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 5.9 | 1.9 | 0.0 |
| 5 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 5.9 | 1.9 | 0.0 |
| 6 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 2.2 | 5.9 | 0.8 | 0.0 |
| 7 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 2.2 | 5.9 | 0.8 | 0.0 |
| 8 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 2.2 | 5.9 | 0.8 | 0.0 |
| 9 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 2.2 | 6.1 | 0.8 | 0.0 |
| 10 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 2.2 | 6.1 | 0.0 | 0.0 |
| 11 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.0 | 6.1 | 0.0 | 0.0 |
| 12 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.0 | 6.1 | 0.0 | 0.0 |
| 13 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.0 | 6.1 | 0.0 | 0.0 |
| 14 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.0 | 6.1 | 0.0 | 0.0 |
| 15 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.0 | 6.1 | 0.0 | 0.0 |
| 16 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.0 | 6.1 | 0.0 | 0.0 |
| 17 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.0 | 6.1 | 1.3 | 0.0 |
| 18 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.0 | 6.1 | 1.3 | 0.0 |
| 19 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.7 | 6.1 | 1.3 | 0.0 |
| 20 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.7 | 2.0 | 1.3 | 0.0 |
| 21 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.7 | 2.0 | 1.3 | 0.0 |
| 22 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 3.7 | 6.7 | 2.0 | 1.3 | 0.0 |
| 23 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 5.5 | 6.7 | 2.0 | 1.3 | 0.0 |
| 24 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 5.5 | 6.7 | 2.0 | 1.3 | 0.0 |
| 25 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 5.3 | 6.7 | 1.9 | 1.3 | 0.0 |
| 26 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 5.3 | 6.2 | 1.9 | 1.3 | 0.0 |
| 27 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 5.4 | 6.2 | 1.9 | 1.3 | 0.0 |
| 28 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 5.5 | 6.2 | 1.9 | 1.6 | 0.0 |
| 29 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 5.5 | 6.2 | 1.9 | 0.0 | 0.0 |
| 30 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 5.5 | 6.2 | 1.9 | 0.0 | 0.0 |
| 31 | --- | --- | --- | --- | --- | --- | 0.0 | --- | 6.2 | 1.9 | --- | 0.0 |
| TOTAL | | | | | | 0 | 0 | 103 | 157 | 138 | 29 | 0 |
| MEAN | | | | | | 0.0 | 0.0 | 3.4 | 5.1 | 4.5 | 1.0 | 0.0 |
| MAX | | | | | | 0.0 | 0.0 | 5.5 | 6.7 | 6.2 | 1.9 | 0.0 |
| MIN | | | | | | 0.0 | 0.0 | 0.0 | 2.2 | 1.9 | 0.0 | 0.0 |
| AC-FT | | | | | | 0 | 0 | 204 | 312 | 274 | 57 | 0 |

IRRIGATION YEAR 1988 TOTAL 427 MEAN 1 AC-FT 846

01-MAR-89

13054043 TETON PIPELINE #1 PUMP
DISCHARGE, CUBIC FEET PER SECOND, IRRIGATION YEAR NOVEMBER 1987 TO OCTOBER 1988
MEAN VALUES

RECEIVED
DEC 15 1989

| DAY | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 16 | 15 | 5.8 | 5.0 |
| 2 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 16 | 15 | 5.8 | 5.0 |
| 3 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 16 | 13 | 5.8 | 5.0 |
| 4 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 16 | 13 | 5.8 | 5.0 |
| 5 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 0.0 | 16 | 13 | 5.8 | 5.0 |
| 6 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 16 | 13 | 5.3 | 0.0 |
| 7 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 16 | 15 | 5.3 | 0.0 |
| 8 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 18 | 15 | 5.3 | 0.0 |
| 9 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 18 | 13 | 5.3 | 0.0 |
| 10 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 18 | 11 | 0.0 | 0.0 |
| 11 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 18 | 11 | 0.0 | 0.0 |
| 12 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 18 | 11 | 0.0 | 0.0 |
| 13 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 18 | 11 | 0.0 | 0.0 |
| 14 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 18 | 11 | 0.0 | 0.0 |
| 15 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 16 | 10 | 0.0 | 0.0 |
| 16 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 16 | 10 | 0.0 | 0.0 |
| 17 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 16 | 10 | 3.3 | 0.0 |
| 18 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 16 | 10 | 3.3 | 0.0 |
| 19 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 16 | 10 | 3.3 | 0.0 |
| 20 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 6.1 | 3.3 | 0.0 |
| 21 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 6.1 | 3.3 | 0.0 |
| 22 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 6.1 | 3.3 | 0.0 |
| 23 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 6.1 | 3.3 | 0.0 |
| 24 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 6.1 | 3.3 | 0.0 |
| 25 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 14 | 15 | 5.3 | 3.3 | 0.0 |
| 26 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 5.3 | 3.3 | 0.0 |
| 27 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 15 | 15 | 5.3 | 3.3 | 0.0 |
| 28 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 16 | 15 | 5.3 | 3.3 | 0.0 |
| 29 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 16 | 15 | 5.8 | 5.2 | 0.0 |
| 30 | --- | --- | --- | --- | --- | 0.0 | 0.0 | 16 | 15 | 5.8 | 5.0 | 0.0 |
| 31 | --- | --- | --- | --- | --- | --- | 0.0 | --- | 15 | 5.8 | --- | 0.0 |
| TOTAL | | | | | | 0 | 0 | 360 | 490 | 297 | 100 | 25 |
| MEAN | | | | | | 0.0 | 0.0 | 12 | 16 | 9.6 | 3.3 | 0.8 |
| MAX | | | | | | 0.0 | 0.0 | 16 | 18 | 15 | 5.8 | 5.0 |
| MIN | | | | | | 0.0 | 0.0 | 0.0 | 15 | 5.3 | 0.0 | 0.0 |
| AC-FT | | | | | | 0 | 0 | 714 | 972 | 589 | 198 | 50 |

IRRIGATION YEAR 1988 TOTAL 1272 MEAN 3 AC-FT 2522

JOHN O. SESSIONS
DISTRICT 32
BONNEVILLE & TETON COUNTIES

HOME ADDRESS
414 NO. MAIN
P. O. BOX 10
DRIGGS, IDAHO 83422
PHONE: (208) 354-2508

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Department of Water Resources

COMMITTEES

CHAIRMAN
TRANSPORTATION & DEFENSE

EDUCATION

COMMERCE, INDUSTRY & TOURISM

# House of Representatives
# State of Idaho

Dec. 19, 1988

Director
Dept. of Water Resources
Boise, Idaho

Re: Application for Permit No. 227369

Dear Mr. Higginson:

Exceptions to the proposed establishment of a minimum stream flow on the specified reach of Teton River are submitted as follows:

1- A study taken only on approximately one-half mile upstream of the proposed nine mile stretch appears to be inadequate.

2- The potential impact upon future development of lands along this stretch of Teton River does not appear to have been determined.

3- Some type assurance or decreed right should be incorporated into any Minimum Stream Flow Permit which would guarantee TETON PIPELINE ASSOCIATION, EHCO RANCH, INC. MARK RICKS AND JAY RICKS authority to continue their present procedures of utilizing exchange wells and exchange of reservoir water discharged downstream.

It is felt the above concerns should be addressed prior to the final issuance of proposed Permit No. 22-7369.

Respectfully submitted,

John O. Sessions

John O. Sessions
State Representative
Dist. #32

cc R. J. Hoopes
Rexburg, Idaho

Idaho Dept. Of Fish & Game
Boise, Idaho

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Department of Water Resources

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

| | | |
|---|---|---|
| In the matter of Application for Permit No. 22-7369 (Teton River) to Establish a Minimum Stream Flow in the Name of the Idaho Water Resource Board | ) ) ) ) ) | EXCEPTIONS TO THE PROPOSED DECISION |

Pursuant to Idaho Code §42-1701(a) and 67-5211, the following exceptions are filed on behalf of EHCO RANCH, INC., TETON PIPELINE ASSOCIATION, MARK RICKS, and JAY RICKS.

1. The minimum stream flow of 106 cfs is not in the public interest as is set forth in CONCLUSIONS OF LAW numbers 4 and 13.

2. Exception is taken to FINDINGS OF FACT numbers 2 and 4 which indicate that a minimum stream flow is necessary to maintain trout habitat. Exception is taken to CONCLUSION number 7 which indicates that sufficient evidence was produced to establish 106 cfs as the appropriate minimum flow rate. Exception is also taken to ORDER number 7 indicating that sufficient proof was filed regarding beneficial use of fish habitat and recreational value.

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3. No exception is taken to FINDINGS OF FACT numbers 5 and 6 which indicate that a single study of approximately one-half mile downstream from the bridge on State Highway 33 is not indicative nor representative of the entire nine mile stretch. These two (2) particular FINDINGS OF FACT make impossible CONCLUSION OF LAW set forth in paragraph 7 of the CONCLUSIONS OF LAW section. That is, a study was taken only on the first approximately one-half mile of nine mile stretch. Since that first one-half mile is significantly different than the remaining eight and one-half miles, paragraph 7 of the CONCLUSIONS OF LAW is inappropriate. Sufficient evidence was not established to appropriate 106 cfs as a minimum flow rate. Assuming for purposes of argument only that 106 cfs was established as appropriate for the first one-half mile, a minimum flow rate should have been granted for that section only and not for the entire nine mile stretch.

4. If the Director finds that a minimum stream flow of 106 cfs is in the public interest, paragraph 1 of the Order should be amended to specifically read that the exchange wells and exchange of reservoir storage water discharged downstream as set forth in paragraph 7 of the FINDINGS OF FACT existed prior to the date of filing and should have priority over permit number 22-7369.

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Dated this 16th day of December, 1988.

JoAnn B. Stringham (for)
R. J. Hoopes, Esq.
HOOPES & THOMSON
Attorneys at Law
130 East Main Street
Post Office Box 70
Rexburg, Idaho 83440
(208) 356-9000

CERTIFICATE OF MAILING

I HEREBY CERTIFY that a true and correct copy of the foregoing was on this date served upon the persons named below, at the address set out below their names, by mailing to them a true and correct copy of said document in a properly addressed envelope in the United States mail, postage prepaid.

DATED this 16th day of December, 1988.

Sundee Jensen
Secretary

The Department of Water Resources
1301 North Orchard Street
Statehouse Mail
Boise, Idaho 83720

John Sessions
414 North Main
Driggs, Idaho 83422

Gary Slette
Post Office Box 1906
Twin Falls, Idaho 83303

Idaho Dept of Fish & Game
Statehouse Mail
Boise, Idaho 83720

Energy Gap
State Route, Box 3654
Jackson, WY 83001

John C. Arkoosh
Attorney at Law
116 Fourth Avenue West
Gooding, Idaho 83330

Leigh Chantrill
Newdale, Idaho 83436

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DEC 15 1989

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVENOR
R. KEITH HIGGINSON
DIRECTOR

December 2, 1988

Gary Slette
P.O. Box 1906
Twin Falls, ID 83303

Re: Application for Permit No. 22-7369

Dear Mr. Slette:

Please find enclosed a copy of the Proposed Memorandum Decision and Order and Order Issuing Proposed Memorandum Decision and Order for Application No. 22-7369. The application, filed by the Idaho Water Resource Board, proposes a minimum streamflow on Teton River.

Any party who disagrees with the proposed decision may file exceptions to the decision within fifteen (15) days of service of the proposed decision.

Sincerely,

Gary Spackman

GARY SPACKMAN, Supervisor
Water Allocation Section

GS:ky

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DEC 15 1989

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVENOR
R. KEITH HIGGINSON
DIRECTOR

December 2, 1988

Idaho Dept. of Fish & Game
Statehouse
Boise, ID 83720

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GARY SPACKMAN, Supervisor
Water Allocation Section

GS:ky

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State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVENOR
R. KEITH HIGGINSON
DIRECTOR

December 2, 1988

Idaho Water Resources Board
Statehouse
Boise, ID 83720

Re: Application for Permit No. 22-7369

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Sincerely,

Gary Spackman

GARY SPACKMAN, Supervisor
Water Allocation Section

GS:ky

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State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVENOR
R. KEITH HIGGINSON
DIRECTOR

December 2, 1988

John Sessions
414 N. Main
Driggs, ID 83422

Re: Application for Permit No. 22-7369

Dear Mr. Sessions:

Please find enclosed a copy of the Proposed Memorandum Decision and Order and Order Issuing Proposed Memorandum Decision and Order for Application No. 22-7369. The application, filed by the Idaho Water Resource Board, proposes a minimum streamflow on Teton River.

Any party who disagrees with the proposed decision may file exceptions to the decision within fifteen (15) days of service of the proposed decision.

Sincerely,

Gary Spackman

GARY SPACKMAN, Supervisor
Water Allocation Section

GS:ky

MICROFILMED
DEC 15 1989

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVENOR
R. KEITH HIGGINSON
DIRECTOR

December 2, 1988

Echo Ranch, Teton Pipeline
Mark and Jay Ricks
C/O R.J. Hoopes
110 E. Main
Rexburg, ID 83440

Re: Application for Permit No. 22-7369

Gentlemen:

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DEC 15 1989

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

December 2, 1988

Energy Gap
Star Rt., Box 3654
Jackson, WY 83001

Re: Application for Permit No. 22-7369

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State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVENOR
R. KEITH HIGGINSON
DIRECTOR

December 2, 1988

John C. Arkoosh
Attorney at Law
116 4th Ave. W.
P.O. Box 32
Gooding, ID 83330

Re: Application for Permit No. 22-7369

Dear Mr. Arkoosh:

Please find enclosed a copy of the Proposed Memorandum Decision and Order and Order Issuing Proposed Memorandum Decision and Order for Application No. 22-7369. The application, filed by the Idaho Water Resource Board, proposes a minimum streamflow on Teton River.

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Gary Spackman

GARY SPACKMAN, Supervisor
Water Allocation Section

GS:ky

MICROFILMED
DEC 15 1989

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVENOR
R. KEITH HIGGINSON
DIRECTOR

December 2, 1988

Leigh Chantrill
Newdale, ID 83436

Re: Application for Permit No. 22-7369

Dear Mr. Chantrill:

Please find enclosed a copy of the Proposed Memorandum Decision and Order and Order Issuing Proposed Memorandum Decision and Order for Application No. 22-7369. The application, filed by the Idaho Water Resource Board, proposes a minimum streamflow on Teton River.

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Sincerely,

Gary Spackman

GARY SPACKMAN, Supervisor
Water Allocation Section

GS:ky

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DEC 1 5 1989

MEMORANDUM

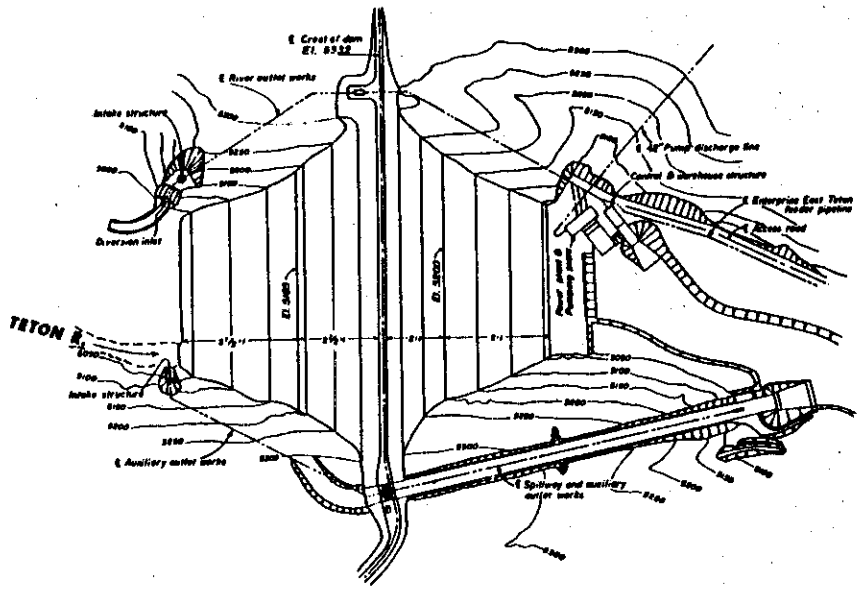
TO: Bob Fleenor, Norm Young, Keith Higginson
FROM: Gary Spackman
DATE: November 21, 1988
RE: Maximum water surface elevation of Teton Dam Reservoir: Effect on minimum streamflows in Bitch Creek and Teton River.

Attached are some drawings and text on the Teton Dam. A profile section shows the maximum water surface elevation at 5324.3 feet. The text, however, identifies the maximum water surface as 5320 feet. Also attached is a USGS quad map which approximates the 5324 foot elevation contour. You can see by the drawing that the maximum water surface elevation of the old dam inundated portions of Bitch Creek and Teton River above the confluence of the two.

I was concerned about the correlation between the elevation shown on the profile section and the USGS quad map. I telephoned Brent Carter of the Bureau of Reclamation, and he confirmed that the reservoir covered portions of Bitch Creek and Teton River above their confluence.

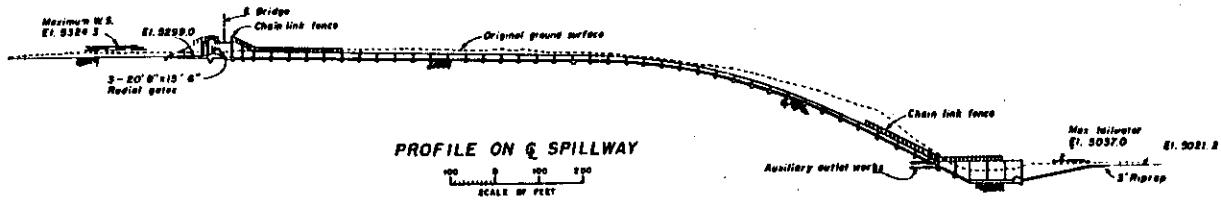
Do we desire to subordinate these minimum streamflow filings to the possibility of reservoir construction in the future?

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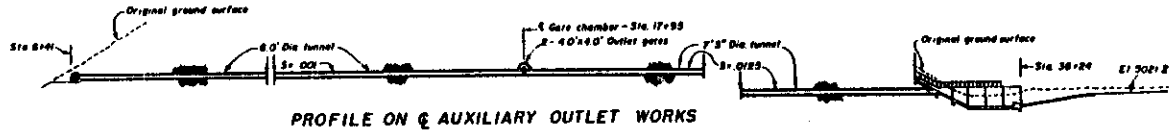

GENERAL PLAN

SCALE OF FEET



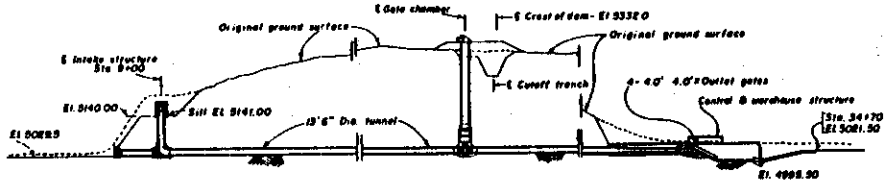

PROFILE ON ℄ SPILLWAY

SCALE OF FEET



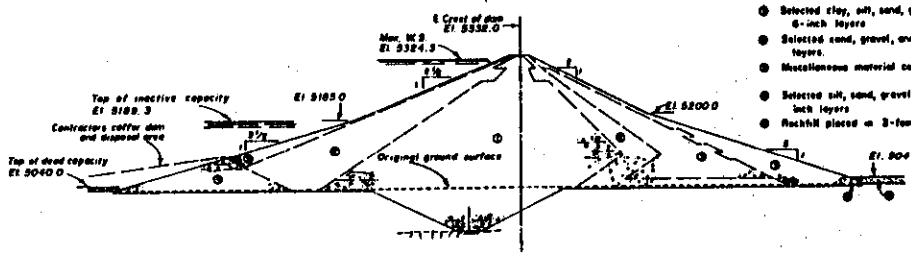

PROFILE ON ℄ AUXILIARY OUTLET WORKS

SCALE OF FEET




PROFILE ON ℄ RIVER OUTLET WORKS

SCALE OF FEET




MAXIMUM SECTION WITHOUT CAMBER

SCALE OF FEET

EMBANKMENT EXPLANATION

- Selected clay, silt, sand, gravel, and cobbles compacted by tamping rollers to 6-inch layers
- Selected sand, gravel, and cobbles compacted by crawler-type tractors to 12-inch layers.
- Miscellaneous material compacted by rubber-tired rollers to 12-inch layers
- Selected silt, sand, gravel, and cobbles compacted by rubber-tired rollers to 12-inch layers
- Rockfill placed in 3-foot layers

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**Teton Dam, Plan and Sections**

★ U.S. GOVERNMENT PRINTING OFFICE: 1983—778-430

### Teton Power and Pumping Plant

The power and pumping plant were located in a steel-framed building at the base of the left abutment of the dam. The powerplant consisted of two 10,000-kilowatt generators with provision to install a third unit in the future. Pumping plant facilities included six pumping units, two rated at 7.35 cubic feet per second and four at 14.70 cubic feet per second. The rated head was 323 feet. Water from the pumping plant was to be delivered into the Fremont Pump Canal.

## DEVELOPMENT

### Early History

Shortages of irrigation water occur frequently in the Henrys Fork Valley. During a series of dry years such as occurred in the 12-year period from 1931 through 1942, shortages occurred in each of the 12 years in the Ashton area and in 10 of the 12 years in the St. Anthony-Rexburg area.

The Teton River is subject to flooding caused by ice jams in the early spring even though the discharge is quite low at that time. These ice jams occur frequently and occasionally raise the water surface elevation to flood heights.

Channel capacity in the lower reaches of the Teton River is about 2,000 cubic feet per second and general inundation occurs at 4,000 cubic feet per second. The maximum flood of record occurred on February 11 and 12, 1962, when unseasonably warm weather and rain rapidly melted snowpacks on the valley floor and foothills, and ice-jammed channels raised the peak flow to 7,000 cubic feet per second at the St. Anthony gage. Much of Sugar City and Rexburg and the lands between these towns were inundated. The previous flood of record was in 1893, with a peak discharge of 5,830 cubic feet per second. Floods in 1894 and 1918 are believed to have been larger than the 1893 flood, but no estimates were made of peak discharges.

### Investigations

Twenty reservoir sites were investigated and surveyed by the Reclamation Service in the Henrys Fork area during 1902-05. Henrys Lake, Island Park, Grassy Lake, and sites on the Teton River were among those considered.

Field investigations were undertaken in the 1930's and 1940's on several damsites in the Upper Teton Basin. These sites were not considered feasible either because of unfavorable geological conditions or excessive cost per acre-foot of storage. Also, minimal flood control protection would result from smaller upstream reservoirs. A reconnaissance report dated October 1961 recommended that detailed studies begin immediately on the Lower Division, including Teton Dam and Reservoir, and that future studies on the Upper Division should be initiated when local interest and economic conditions indicated that a project was justifiable. In March 1962, a report on the Lower Teton Division was issued showing feasibility of the project which was later authorized for construction.

### Authorization

Construction of the Lower Teton Division of the Teton Basin Project was authorized by Public Law 88-583 dated September 7, 1964 (78 Stat. 925).

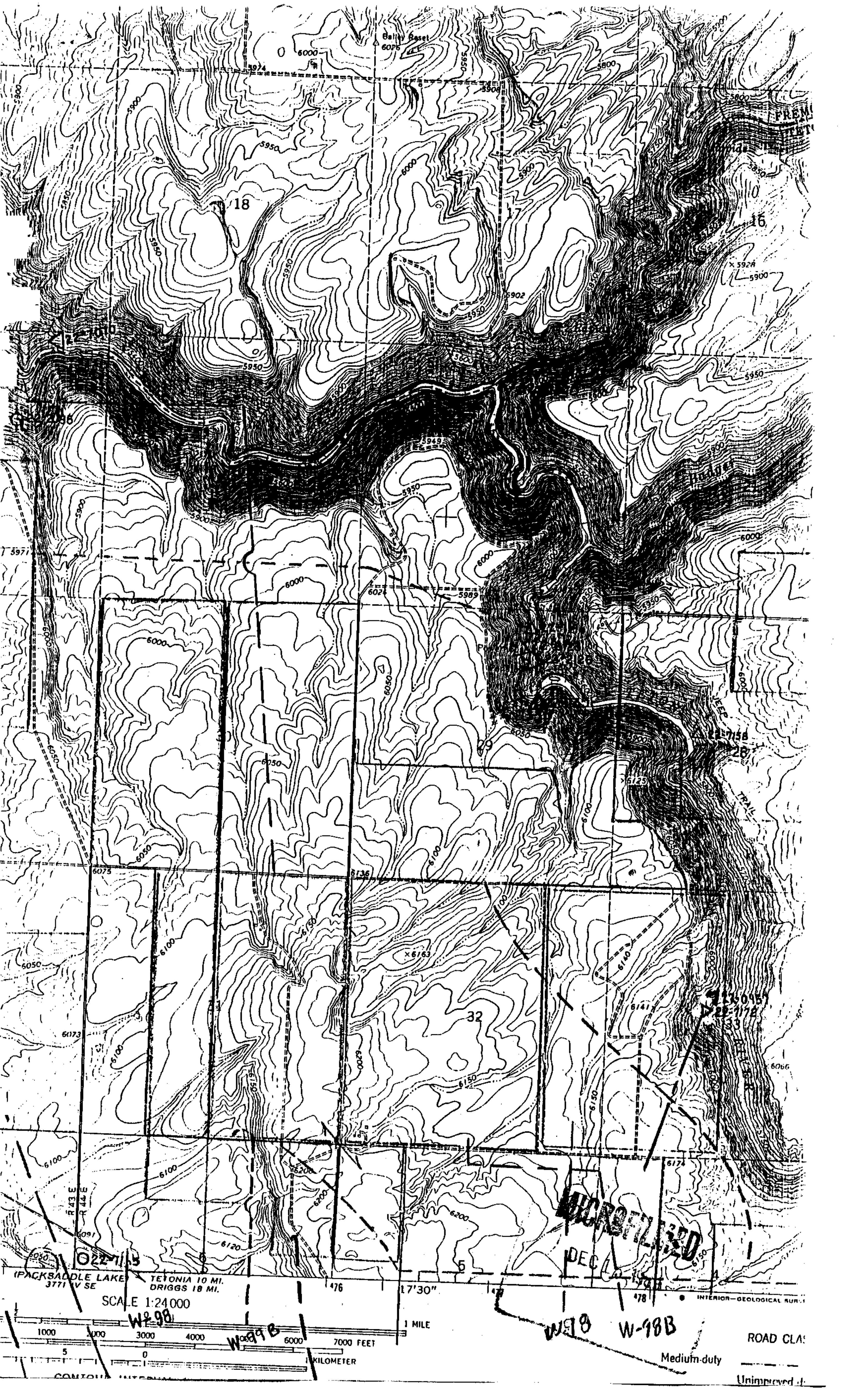
### Construction

Construction of Teton Dam began in February 1972 and was basically completed in November 1975. At the time of dam failure on June 5, 1976, the two scheduled electrical generating units had been installed and were almost ready for testing. The pump units also were installed but were not ready for operation. First phase construction of the Fremont discharge and pump canal and the Enterprise-East Teton feeder pipeline and canal was partially completed.

### Failure of Teton Dam

On June 5, 1976, the Teton Dam structure failed and was rendered completely inoperative. Reservoir elevation at the time of failure was 5301.7 feet; the reservoir was filling at about 3 feet per day. At full reservoir capacity of 288,250 acre-feet, the water surface elevation would have been 5320.0 feet.

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18
17
16
5974
5908
5800
5900
5950
6000
5902
5600
5949
5989
6024
5971
6075
6136
6050
6100
6150
6200
×6163
6125
6141
6140
6174
6173
6091
6120
6066
×5928
29
32
5
4
JEEP
TRAIL
22-1010
22-7158
22-1172
R 43 E
R 44 E
(PACKSADDLE LAKE)
3771 IV SE
TETONIA 10 MI.
DRIGGS 18 MI.
476
17'30"
478
INTERIOR—GEOLOGICAL SURV
SCALE 1:24 000
1 MILE
1000
3000
4000
6000
7000 FEET
5
0
1 KILOMETER
ROAD CLAS
Medium-duty
Unimproved
W-98B
W18
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# FINDINGS OF FACT

1. App. for Permit No. 22-7369 proposes a minimum streamflow ~~of [illegible] cubes~~ from Jan 1 through Dec 31

2. The minimum streamflow is exceeded 99% of the time, and only during critical ~~periods of time~~ ~~[illegible]~~ winter months has the flow dropped below 10 cfs. Subtraction of liberal estimates of irrigation withdrawals which have been developed subsequent to the period of flow records do not deplete flow in Teton River below the proposed minimum flow.

~~3. A minimum stream flow is necessary~~

3. The Teton River is a wild trout fishery, ~~that produces quality [illegible] and that is [illegible]~~ which provides habitat for spawning trout and supporting aquatic life, and produces quality fishing. ~~The A minimum stream flow is necessary to preserve these values.~~

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iii

4. Fish and Game testified that a single study area approximately one half mile downstream from the State Highway 33 bridge was used to model the entire stream flow reach. The minimum stream flow is obtained by using this study

5. Several persons commented that in the lower portion of the Teton River below the gauging station was not representative of the channel characteristics of the test river at the measuring station.

6. When asked about whether the proposed flow of 106 cfs was needed in the canyon Fish & Game said it would be satisfactory.

7. Several pumping stations divert irrigation water from the Teton River within the proposed minimum flow reach. Some of these stations have dates of priority later in time than the minimum flow filing were placed in the River as a component part of an exchange for either stored water or exchange wells, the water from which is released downstream as compensation for withdrawal of the surface water upstream.

If the stream channel at the test site is not representative of the stream channel at the gauging station, then the stream channel at the test site is not representative of the stream channel at the gauging station.

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in the Teton River. ~~The~~ The exchanges were arranged as a method of mitigating losses to irrigators who ~~lost~~ lost their source of irrigation water when the Teton Dam failed.

8. An application for permit to appropriate water No. 22-7483 for hydropower use, in the name of Energy Cap, proposed diversion of 650 cfs of water from the Teton River for hydropower purposes. Energy Cap testified that it supported a minimum flow, but wanted to study what the minimum flows should be.

9. An agreement between Fish and Game ~~calls for a~~ and Fall River Rural Electric Association calls for the bypass of — cfs from — and — cfs from — to — for fish passage thru the Felt Dam site ~~that~~ which is located just upstream from the confluence of ~~the Teton~~ Bitch Creek and Teton River

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# CONCLUSIONS OF LAW

1. A minimum stream flow of 106 cfs is capable of being maintained

2. A minimum stream flow is necessary to preserve fish ~~and~~ habitat and aquatic habitat in the Teton River.

3. A single study transect of a nine mile section of ~~canyon~~ stream channel with varying characteristics ~~is~~ does not establish a minimum flow. A minimum flow of 106 cfs may be appropriate in the flatter, upper reach of the river, but does not establish the need for an identical minimum flow in the lower canyon. Sections of similar, comparable stream channel areas must be studied individually to determine the minimum, not optimum or even satisfactory flows.

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~~4. The Department will not~~

4. Studies that are ~~only~~ probabilitive are not required. ~~Representative studies must~~ The studies must be ~~adequate~~ extensive enough, however, to properly represent the ~~engineer~~ channel slope, cross section and other characteristics.

5. Sufficient evidence was submitted to establish that 106 cfs is an approximate ~~maximum~~ flow rate. Further studies will be required during the permit period as approved by the Department, which ~~shall~~ must be ~~submitted~~ submitted with proof of beneficial use. The data gathered will be used to determine proper minimum flow to be licensed.

6. ~~Evidence~~ Quote

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~~for testimony of parties who have~~ ~~provided substantial money~~

7. ~~Exchange wells and~~ The installation of exchange wells or release of storage water in exchange for the right to divert flows from

the Teton River upstream of the storage or exchange well releases into the Teton River were approved by the Department as a means of mitigating the adverse effect of the loss of stored water resulting from the Teton Dam failure.

8. To the extent that Diversions of water from the Teton River for irrigation purposes shall be curtailed to meet [illegible] withdrawn from the aquifer that reach the river for irrigation purposes by farmers who lost storage in the Teton Reservoir that was either (1) being used for irrigation at the time of the Teton Dam failure, or (2) was contemplated to be used on land under development and under contract for delivery of storage water from the Teton Reservoir with the B of R

9. Other than diversions during high runoff or diversions for which water is returned to the stream through an exchange, natural flows in the Teton River past [illegible] to downstream water users who have rights earlier in time than users from the Teton River.

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~~to [redacted] held by Fall River Electric~~
~~The agreement by~~

10. The establishment of a minimum streamflow on the Teton River is in the public as opposed to the private interest.

11. The ~~[redacted]~~ use of water for a vital agricultural economy in the Teton River vicinity is in the local public interest.

12.

Standard condition

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FINDINGS FOR TETON RIVER —

Capable of being maintained

Yes

Interfere w/prior rights - maybe

Exchange wells

Cross basin upstream transfers.

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Minimum not optimum

Transects inadequate -
Not representative of downstream configuration

~~Functio~~ -

Minimum flow would depend ~~on factors~~ on the shape and confining features of the canyon -
It would be satisfactory
Satisfactory is not the test -
True minimum is the test -

Fish & Wildlife

Yes

11/12/87

13054111 R & J BROWN PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 4 | 0 | 0 | 0 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 0 | 0 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 0 | 0 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 0 | 0 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 0 | 0 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 0 | 0 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 0 | 0 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 0 | 17 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 17 | 17 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 17 | 17 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 17 | 17 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 17 | 17 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 17 | 17 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 17 | 17 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 17 | 17 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 17 | 17 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 10 | 0 | 17 | 17 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 17 | 17 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 17 | 17 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 17 | 17 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 17 | 17 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 17 | 17 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 17 | 17 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 17 | 17 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 17 | 17 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 15 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 164 | 0 | 325 | 325 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 10 | 10 | 0 |
| MAX | 0 | | | | | | | 10 | 0 | 17 | 17 | 0 |
| MIN | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 325 | 0 | 644 | 644 | 0 |

WATER YEAR 1986 TOTAL 813 MEAN 2 AC-FT 1613

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DEC 15 1989

11/12/87

13053971 J RICKS PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 1 | 0 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 1 | 0 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 0 | 1 | 1 | 0 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 0 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 0 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 0 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 0 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 0 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 1 | 0 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 1 | 0 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 0 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 0 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 0 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 0 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 0 | 0 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 0 | 0 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 0 | 0 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 0 | 0 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 0 | 0 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 47 | 0 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 |
| MAX | 0 | | | | | | | 0 | 2 | 2 | 0 | 0 |
| MIN | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 93 | 0 | 0 |

WATER YEAR 1986 TOTAL 88 MEAN 0 AC-FT 171

RECEIVED DEC 15 1989

11/12/87

13054031 TETON PIPELINE #3 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

MICROFILMED DEC 15 1989

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 6 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 36 | 22 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 36 | 6 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 24 | 21 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 32 | 6 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 29 | 17 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 32 | 21 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 33 | 26 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 26 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 9 | 36 | 22 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 20 | 36 | 22 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 23 | 36 | 24 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 31 | 34 | 26 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 30 | 32 | 26 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 25 | 36 | 26 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 31 | 36 | 22 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 32 | 0 | 21 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 33 | 15 | 15 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 30 | 30 | 15 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 31 | 28 | 9 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 35 | 26 | 0 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 32 | 28 | 10 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 33 | 30 | 10 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 33 | 30 | 4 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 33 | 36 | 4 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 33 | 26 | 0 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 33 | 0 | 0 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 33 | 0 | 0 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 32 | 0 | 0 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 33 | 18 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 18 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 627 | 769 | 446 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 25 | 14 | 0 |
| MAX | 0 | | | | | | 0 | 0 | 35 | 36 | 26 | 0 |
| MIN | 0 | | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1200 | 1606 | 884 | 0 |

WATER YEAR 1986 TOTAL 1862 MEAN 5 AC-FT 3693

11/12/87

13054041 TETON PIPELINE #2 NEAR
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 3 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 3 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 3 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 3 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 3 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 3 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 3 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 3 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 3 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 3 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 3 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 4 | 3 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 4 | 3 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 4 | 3 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 4 | 2 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 0 | 2 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 4 | 2 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 0 | 2 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 0 | 2 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 3 | 2 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 3 | 2 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 3 | 2 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 3 | 2 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 3 | 0 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 7 | 3 | 0 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 6 | 3 | 0 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 6 | 3 | 0 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 6 | 3 | 0 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 6 | 3 | 0 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 6 | 3 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 3 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 126 | 115 | 54 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 2 | 0 |
| MAX | 0 | | | | | | 0 | 0 | 7 | 6 | 3 | 0 |
| MIN | 0 | | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 251 | 228 | 106 | 0 |

WATER YEAR 1986 TOTAL 295 MEAN 1 AC-FT 585

RECEIVED
DEC 15 1989

11/12/87

13054043 TETON PIPELINE #1 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 5 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 5 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 5 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 5 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 5 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 5 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 5 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 5 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 5 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 14 | 5 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 0 | 14 | 5 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 11 | 14 | 3 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 11 | 16 | 3 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 11 | 16 | 3 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 11 | 16 | 3 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 11 | 14 | 3 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 11 | 0 | 4 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 11 | 14 | 4 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 16 | 14 | 4 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 16 | 11 | 4 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 16 | 11 | 3 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 16 | 11 | 3 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 16 | 11 | 3 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 16 | 11 | 0 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 16 | 11 | 0 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 15 | 11 | 0 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 15 | 5 | 0 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 15 | 5 | 0 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 15 | 5 | 0 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | 0 | 0 | 16 | 5 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 5 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 265 | 373 | 79 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 12 | 3 | 0 |
| MAX | 0 | | | | | | 0 | 0 | 16 | 16 | 5 | 0 |
| MIN | 0 | | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 526 | 740 | 157 | 0 |

WATER YEAR 1986 TOTAL 716 MEAN 2 AC-FT 1424

MICROFILMED DEC 15 1989

03/31/86

13064111 R & J BROWN PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 14 | 0 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 14 | 0 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 14 | 0 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 14 | 0 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 14 | 14 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 14 | 14 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 14 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 14 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 14 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 14 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 14 | 0 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 14 | 0 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 14 | 0 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 14 | 0 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 14 | 0 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 14 | 0 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 0 | 14 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 0 | 0 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 0 | 0 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 0 | 0 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 0 | 0 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 14 | 14 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 14 | 14 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 14 | 14 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 14 | 14 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 14 | 14 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 14 | 8 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 182 | 252 | 260 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 | 8 | 0 |
| MAX | 0 | | | | | | | 0 | 14 | 14 | 14 | 0 |
| MIN | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 361 | 500 | 516 | 0 |

WATER YEAR 1985 TOTAL 694 MEAN 2 AC-FT 1377

MICROFILMED
DEC 1 0 1989

09/31/86

13053971 J RICKS PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | --- | 0 | 1 | 2 | 2 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 0 | 1 | 2 | 2 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 1 | 2 | 2 | 0 |
| | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 2 | 2 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 2 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 2 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 2 | 2 | 0 |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | --- | 2 | 2 | --- |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 68 | 68 | 0 |
| MAX | 0 | | | | | | | 0 | 2 | 2 | 2 | 0 |
| MIN | 0 | | | | | | | 0 | 3 | 2 | 2 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 |
| | | | | | | | | 0 | 91 | 135 | 135 | 0 |

WATER YEAR 1985 TOTAL 182 MEAN 0 AC-FT 362

MICROFILMED
DEC 15 1989

03/21/96

13054031 TETON PIPELINE #3 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1995
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 33 | 0 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 33 | 0 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 33 | 0 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 33 | 0 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 0 | 16 | 33 | 20 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 0 | 16 | 33 | 25 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 0 | 21 | 33 | 26 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 0 | 21 | 33 | 0 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 0 | 24 | 33 | 0 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | --- | 0 | 30 | 33 | 0 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | --- | 0 | 30 | 33 | 0 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 0 | 30 | 33 | 0 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 0 | 30 | 33 | 0 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 0 | 28 | 33 | 0 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 0 | 36 | 33 | 0 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 0 | 32 | 25 | 11 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 0 | 34 | 25 | 11 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 0 | 34 | 27 | 10 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 0 | 34 | 27 | 12 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 0 | 34 | 27 | 14 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 34 | 27 | 13 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 34 | 10 | 17 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 34 | 6 | 21 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 28 | 0 | 20 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 34 | 0 | 19 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | --- | 0 | 34 | 0 | 17 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | --- | 0 | 33 | 0 | 17 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | --- | 0 | 33 | 0 | 16 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | --- | 0 | 33 | 0 | 9 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | --- | 0 | 30 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 777 | 663 | 429 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 21 | 14 | 0 |
| MAX | 0 | | | | | | | 0 | 36 | 33 | 26 | 0 |
| MIN | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1500 | 1300 | 851 | 0 |

WATER YEAR 1985 TOTAL 1569 MEAN 5 AC-FT 3707

MICROFILMED DEC 15 1989

03/31/96

13054041 TETON PIPELINE #2 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 5 | 0 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 5 | 0 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 5 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 5 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 5 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 0 | 4 | 6 | 5 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 0 | 4 | 6 | 5 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | --- | 0 | 4 | 6 | 4 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | --- | 0 | 4 | 6 | 3 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 0 | 4 | 6 | 3 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 0 | 5 | 6 | 3 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 0 | 5 | 6 | 3 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 0 | 5 | 6 | 3 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 0 | 5 | 7 | 3 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 0 | 4 | 7 | 3 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 0 | 7 | 7 | 3 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 0 | 7 | 7 | 3 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 0 | 7 | 7 | 3 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 7 | 7 | 3 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 6 | 7 | 3 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 6 | 2 | 3 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 6 | 0 | 3 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 6 | 0 | 3 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | --- | 0 | 6 | 0 | 3 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | --- | 0 | 6 | 0 | 3 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | --- | 0 | 6 | 0 | 3 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | --- | 0 | 6 | 0 | 2 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | --- | 0 | 6 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 123 | 125 | 83 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 3 | 0 |
| MAX | 0 | | | | | | | 0 | 7 | 7 | 5 | 0 |
| MIN | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 244 | 248 | 166 | 0 |

WATER YEAR 1985 TOTAL 331 MEAN 1 AC-FT 658

RECEIVED
DEC 15 1989

03/31/96

13054043 TETON PIPELINE #1 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | [illegible] | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | [illegible] | 3 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | [illegible] | 3 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 16 | [illegible] | 3 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 16 | [illegible] | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 16 | [illegible] | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 16 | [illegible] | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 0 | 12 | 16 | [illegible] | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 0 | 12 | 15 | [illegible] | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | --- | 0 | 12 | 15 | [illegible] | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | --- | 0 | 12 | 15 | [illegible] | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 0 | 12 | 15 | 3 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 0 | 12 | 15 | 3 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 0 | 17 | 15 | 3 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 0 | 17 | 15 | 3 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 0 | 17 | 14 | 3 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 0 | 17 | 14 | 3 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 0 | 17 | 14 | 3 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 0 | 17 | 14 | 3 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 0 | 17 | 14 | 3 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 17 | 14 | 3 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 14 | 3 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 13 | 3 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 0 | 3 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 0 | 3 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 0 | 3 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 0 | 3 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | --- | 0 | 14 | 0 | 3 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | --- | 0 | 16 | 0 | 3 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | --- | 0 | 16 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 333 | 312 | 112 | 9 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 10 | 4 | 0 |
| MAX | 0 | | | | | | | 0 | 17 | 16 | 3 | 3 |
| MIN | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 661 | 619 | 221 | 18 |

WATER YEAR 1985 TOTAL 766 MEAN 2 AC-FT 1520

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13054111 R & J BROWN PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 14 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 15 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | --- | 0 | 15 | 0 | 0 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | --- | 0 | 15 | 0 | 15 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | --- | 0 | 15 | 0 | 15 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 15 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 192 | 206 | 29 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 7 | 1 |
| MAX | 0 | | | | | | | 0 | 15 | 15 | 15 | 15 |
| MIN | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 381 | 410 | 56 |

WATER YEAR 1984 TOTAL 471 MEAN 1 AC-FT 935

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01/08/86

13053971 J RICKS PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | --- | 0 | 3 | 0 | 0 | 0 |
| [illegible] | 0 | --- | --- | --- | --- | --- | --- | 0 | 2 | 0 | 3 | 0 |
| | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 |
| [illegible] | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 26 | 20 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| MAX | 0 | | | | | | | 0 | 3 | 3 | 3 | 0 |
| MIN | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 52 | 39 | 0 |

WATER YEAR 1984 TOTAL 51 MEAN 0 AC-FT 102

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DIVISION OF WATER RIGHTS

01/08/86

13054031 TETON PIPELINE #3 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 12 | 0 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 12 | 0 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 11 | 0 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 11 | 4 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 4 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 8 |
| 26 | 0 | --- | --- | --- | --- | --- | --- | 0 | 4 | 0 | 0 | 8 |
| 27 | 0 | --- | --- | --- | --- | --- | --- | 0 | 13 | 0 | 0 | 8 |
| 28 | 0 | --- | --- | --- | --- | --- | --- | 0 | 13 | 0 | 0 | 8 |
| 29 | 0 | --- | --- | --- | --- | --- | --- | 0 | 13 | 0 | 0 | 6 |
| 30 | 0 | --- | --- | --- | --- | --- | --- | 0 | 13 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 276 | 55 | 40 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 2 | 1 |
| MAX | 0 | | | | | | | 0 | 13 | 13 | 10 | 8 |
| MIN | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 114 | 547 | 109 | 79 |

WATER YEAR 1984 TOTAL 428 MEAN 1 AC-FT 849

MICROFILMED
DEC 15 1986

01/08/86

13054041 TETON PIPELINE #2 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 2 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 5 | 0 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 5 | 1 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 4 | 0 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 2 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 124 | 12 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| MAX | 0 | | | | | | | 0 | 0 | 6 | 3 | 0 |
| MIN | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 245 | 24 | 0 |

WATER YEAR 1984 TOTAL 135 MEAN 0 AC-FT 269

DEC 1 5 1984

01/08/86

13054043 TETON PIPELINE #1 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 25 | 0 | 0 |
| 3 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 29 | 0 | 0 |
| 4 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 34 | 0 | 0 |
| 5 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 34 | 0 | 0 |
| 6 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 34 | 2 | 0 |
| 7 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 35 | 13 | 0 |
| 8 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 33 | 23 | 0 |
| 9 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 33 | 24 | 0 |
| 10 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 35 | 25 | 0 |
| 11 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 35 | 25 | 0 |
| 12 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 35 | 25 | 0 |
| 13 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 35 | 25 | 0 |
| 14 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 35 | 25 | 0 |
| 15 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 34 | 25 | 0 |
| 16 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 34 | 25 | 0 |
| 17 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 34 | 25 | 0 |
| 18 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 34 | 0 | 0 |
| 19 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 34 | 0 | 0 |
| 20 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 31 | 8 | 0 |
| 21 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 31 | 8 | 0 |
| 22 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 15 | 7 | 0 |
| 23 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 7 | 0 |
| 24 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 12 | 0 | 0 |
| 26 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 14 | 0 | 0 |
| 27 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 1 | 0 |
| 29 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 0 | 1 | 0 |
| 30 | 0 | --- | --- | --- | --- | --- | --- | 0 | 0 | 26 | 1 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 26 | 1 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 756 | 216 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 7 | 0 |
| MAX | 0 | | | | | | | 0 | 0 | 35 | 27 | 0 |
| MIN | 0 | | | | | | | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1500 | 428 | 0 |

WATER YEAR 1984 TOTAL 972 MEAN 3 AC-FT 1928

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DEC 15 1989

Hoopes, Thomson & Packer, Chartered
PROFESSIONAL LEGAL CORPORATION
ATTORNEYS AT LAW
110 EAST MAIN • 2ND FLOOR
P.O. BOX 70
REXBURG, IDAHO 83440

R. J. HOOPES
DALE P. THOMSON
PHILIP A. PACKER

RECEIVED
DEC 6 1985
Department of Water Resources

(208) 356-9000

December 5, 1985

Bob Flinger
DEPARTMENT OF WATER RESOURCES
Statehouse
Boise, ID 83720

Dear Mr. Flinger:

This date I received from your office the Exhibits for the Teton River (22-7369) and Bitch Creek (22-7370) minimum stream flow hearings held on November 21, 1985. I am now able to prepare my Supplementary Memorandum and will get the same in the mail as soon as possible.

Thank you very much.

Sincerely,

R. J. Hoopes, Esq.
HOOPES, THOMSON & PACKER

RJH:vb
7284b

MICROFILMED
DEC 16 1985

Hoopes, Thomson & Packer, Chartered
PROFESSIONAL LEGAL CORPORATION
ATTORNEYS AT LAW
P.O. Box 70
REXBURG, IDAHO 83440

Bob Flinger
DEPARTMENT OF WATER RESOURCES
Statehouse
Boise, Idaho 83720

LEGAL NOTICE

Notice is hereby given that the following applications have been submitted for permit to appropriate the public waters of the State of Idaho:

NOTICE OF APPLICATION FOR MINIMUM STREAM FLOW

Notice is hereby given that the Idaho Water Resource Board has on June 19, 1981 submitted the following applications for permits to the Department of Water Resources:

No. 22-7369 proposing the appropriation of 106 cfs of water from the Teton River tributary to Henrys Fork Snake River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 9 miles to State Highway 33 in the SESW, Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from Bitch Creek tributary to Teton River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 6 miles to State Highway 32 in the NWNW, Sec. 17, T. 7N, R. 45E, B.M., both in Teton County.

The applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.



MICROFILMED

DEC 15 1983

The Director of the Department of Water Resources will hold a public hearing on the applications in the Courtroom, Teton County Courthouse, Driggs, Idaho at 9:30 a.m. November 21, 1985, for the purpose of hearing evidence in regard to the applications. The hearing will be held pursuant to the provision of Section 42-1503, Idaho Code.

Any party who wishes to formally appear at this proceeding for the purpose of presenting evidence or cross examining witnesses should file a notice of appearance with the Director of the Department of Water Resources, Statehouse, Boise, Idaho, five (5) days prior to the hearing. Other parties will be given an opportunity to informally present their views and comments without the necessity of filing a notice of appearance.

If issued the permit will be subject to all prior water rights.

A. KENNETH DUNN

Director

Published in the Teton Valley News, Post Register, Ashton Herald, Fremont County Chronicle, Idaho Statesman, Lewiston Morning Tribune, and Times News on 10/17 and 10/24/85..

MISCELLANEOUS

DEC 19 1989

RECEIVED
NOV 14 1985
Department of Water Resources

JOHN C. ARKOOSH
Attorney at Law
116 4th Ave. W.
P.O. Box 32
Gooding, Idaho 83330
Telephone: (208) 934-8401

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE STATE OF IDAHO

| | |
|---|---|
| IN THE MATTER OF APPLICATION FOR PERMIT NO. 22-7369 FOR A MINMUM STREAM FLOW IN THE NAME OF THE IDAHO WATER RESOURCE BOARD | ENTRY OF APPEARNCE OF JOHN C. ARKOOSH |

JOHN C. ARKOOSH, Attorney at Law, hereby enters his appearnace in this matter as attorney of record for Richard Graves, Mitch Arkoosh, Bill Arkoosh, and himself, all of Gooding, Idaho, and John Peterson, Filer, Idaho.

DATED this 14th day of November, 1985.

JOHN C. ARKOOSH

MICROFILMED
DEC 13 1989

November 13, 1985

Teton County Clerk
Teton County Courthouse
Driggs, ID 83422

Gentlemen:

This is to confirm the use of the Courtroom for water right hearings to be held by this Department on November 21, 1985 beginning at 9:30 a.m.

Thank you for your cooperation in this matter.

Very truly yours,

COLLEEN WRAY
Adm. Secretary

MICROFILMED
DEC 15 1989

November 4, 1985

Fremont County Chronicle News
P.O. Box 568
St. Anthony, ID 83445

RE: Notice of Application for Permits No. 22-7369, 22-7370 & 21-7283 IDAHO WATER RESOURCE BOARD.

Gentlemen:

Would you please submit an affidavit of publication and certified bill in connection with the above referenced Applications. The legal notice was to have been published in your paper on October 17, and 24, 1985.

Your cooperation in this matter is greatly appreciated.

Very truly yours,

MICHELE DAVIS
Office Secretary

MICROFILMED
DEC 15 1989

Form No. 202a
3/79

State of Idaho

Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

22 7369

INITIAL REVIEW BY: Ernest Carlson

APPLICATION NUMBER: 22-7369

CHECK:

- ☑ Source.
- ☑ Point of diversion.
- ☑ County.
- ☑ Quantity of water and period of use.
- ☑ Description of diverting works.
- ☑ Time required for beneficial use of water.
- ☑ Place of use or acres irrigated.
- ☐ Map.
- ☑ Signature.
- ☐ Fee.

Field check by: _____
Date: _____
Comments: _____

- ☐ Yes ☐ No Field check required.
- ☐ Yes ☐ No Critical groundwater area.
- ☐ Yes ☐ No Request dam safety information. Sent by: _____ Date: _____
- ☐ Yes ☐ No* In form to receipt.

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT: _____

SEND COPIES TO:

- ☑ Idaho State Health Department. Copies sent by: kw Date: 7-10
- ☑ Idaho Fish and Game Department. kw 7-10
- ☐ Idaho Department of Lands.
- ☐ U.S. Bureau of Land Management.
- ☐ U.S. Forest Service.
- ☑ Other Parks & Recreation. kw 7-10

PROCESSING:

- ☐ Yes ☐ No Platted by: _____ Map No. _____
- ☐ Yes ☐ No Other rights on same place of use. _____
- ☐ Yes ☐ No* In form for advertising. 8/31
  Final date for protests: 11-04-85
- ☐ Yes ☐ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☑ Affidavit of publication received. Date: 9-08-81 – 11-12-85
- ☑ Application published correctly. If not, record action taken: _____
- ☐ Fee amount, receipt date & number, recorded on application.
- ☐ Publication dates and paper, recorded on application.
- ☐ Protests, dates, withdrawal, etc., recorded on application.
- ☐ Recommendation & initial, recorded on application.
- ☐ Yes ☐ No Measuring device required.
- ☐ Yes ☐ No Access port required.
- ☐ Yes ☐ No Will water be delivered by watermaster? If yes, what district? _____
  _____ Date of priority recommended.

Special conditions of approval or cover letter. _____

By: _____ Date: _____

STATE OFFICE REVIEW:

- ☐ See attached sheet for more information.

By: _____ Date: _____

1-25-91

Notice to public –
~~although~~ hearing will be
held in future notified
by certified mail.

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES
Eastern Region

150 Shoup Ave., Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

OCTOBER 9, 1985

Teton Valley News
Driggs,
Idaho 83422

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. We have allowed ample time for you to submit a galley proof to this office for review before the first publication date. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before NOVEMBER 04, 1985.

Yours truly,

RONALD D. CARLSON
Supervisor
Eastern Region

Encl.

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DEC 15 1989

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES
Eastern Region

150 Shoup Ave., Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

OCTOBER 9, 1985

Fremont County Chronicle News
P. O. Box 568
St. Anthony, Idaho 83445

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. We have allowed ample time for you to submit a galley proof to this office for review before the first publication date. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before NOVEMBER 04, 1985.

Yours truly,

RONALD D. CARLSON
Supervisor
Eastern Region

Encl.

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STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES
Eastern Region

150 Shoup Ave., Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

OCTOBER 9, 1985

Idaho Statesman
Box 40
Boise, Idaho 83707

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. We have allowed ample time for you to submit a galley proof to this office for review before the first publication date. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before NOVEMBER 04, 1985.

Yours truly,

RONALD D. CARLSON
Supervisor
Eastern Region

Encl.

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STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES
Eastern Region

150 Shoup Ave., Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

OCTOBER 9, 1985

Lewiston Morning Tribune
505 "C" Street
Lewiston, ID 83501

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. We have allowed ample time for you to submit a galley proof to this office for review before the first publication date. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before NOVEMBER 04, 1985.

Yours truly,

RONALD D. CARLSON
Supervisor
Eastern Region

Encl.

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STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES
Eastern Region

150 Shoup Ave., Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

OCTOBER 9, 1985

The Post Register
P. O. Box 1800
Idaho Falls, Idaho 83401

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. We have allowed ample time for you to submit a galley proof to this office for review before the first publication date. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before NOVEMBER 04, 1985.

Yours truly,

RONALD D. CARLSON
Supervisor
Eastern Region

Encl.

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State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

December 17, 1984

Fall River Rural Electric Cooperative, Inc.
Attn: Chuck Dawsey
Box 617
Ashton, ID 83420

Re: Minimum Stream Flow Application No. 22-7369, Teton River

Dear Chuck:

On December 13, 1984, the Idaho Water Resource Board held a meeting during which they adopted a Resolution requesting the Director to proceed with administrative action on Minimum Stream Flow Application No. 22-7369, Teton River. The Resolution, a copy of which is enclosed, provides that the minimum stream flow in the reach of the Teton River which is partially dewatered by the Felt Dam Power Plant diversion be reduced to coincide with the flows established in the Agreement dated February 16, 1982 between Fall River Rural Electric Cooperative, Inc. and the Idaho Department of Fish and Game.

The purpose of this letter is to apprise you of the Board's decision. As an interested party in this matter, you will be notified when the hearing will be held by the Director. The hearing dated is not scheduled at this time, but is not anticipated to be held until fall of 1985 at the earliest.

I look forward to continuing to work with you on this matter.

Sincerely,

DAVID R. TUTHILL, JR., P.E.
Supervisor, Water Allocation Section

DRT/ls

Enclosure

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Department of Water Resources
Eastern District Office

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF MINIMUM )
STREAM FLOW APPLICATION ) A RESOLUTION
NO. 22-7369 )

WHEREAS, pursuant to Chapter 15, Title 42, Idaho Code, the Idaho Water Resource Board (Board) has the authority to appropriate the unappropriated waters of streams in Idaho for the purpose of establishing minimum stream flows; and,

WHEREAS, the Board has submitted to the Director of the Idaho Department of Water Resources (Director) an application to appropriate water for a minimum stream flow identified as No. 22-7369 on the Teton River; and,

WHEREAS, in accordance with the adopted guidelines for a minimum stream flow application, the Board has conducted an informal public meeting to determine local public interest with respect to the application; and,

WHEREAS, the Board has reviewed the public comments and has determined that the application is reasonable and in the local public interest, with the exception that in the NE¼ Sec. 9, T7N R44E, B.M. there is a reach of the Teton River which is partially dewatered by the Felt Power Plant diversion for which a reduced minimum flow is acceptable and preferable;

NOW, THEREFORE, BE IT Resolved that the Board requests the Director to proceed with administrative action on this application, provided that the minimum stream flow in the reach of the Teton River which is partially dewatered by the Felt Power Plant diversion be reduced to coincide with the flows established in the Agreement dated February, 16, 1982 between Fall River Rural Electric Cooperative, Inc. and the Idaho Department of Fish and Game.

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File with App. 22-7369

Dated this 15 day of ., 1984.

GENE M. GRAY
Chairman, Minimum Stream
Flows Committee

DON KRAMER
Chairman, IWRB

Attest:
FRANKLIN JONES
Secretary, IWRB

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CTTER

BEFORE THE FEDERAL ENERGY REGULATORY COMMISSION
Application For License For Major Project – Existing Dam

# FELT HYDROELECTRIC PROJECT

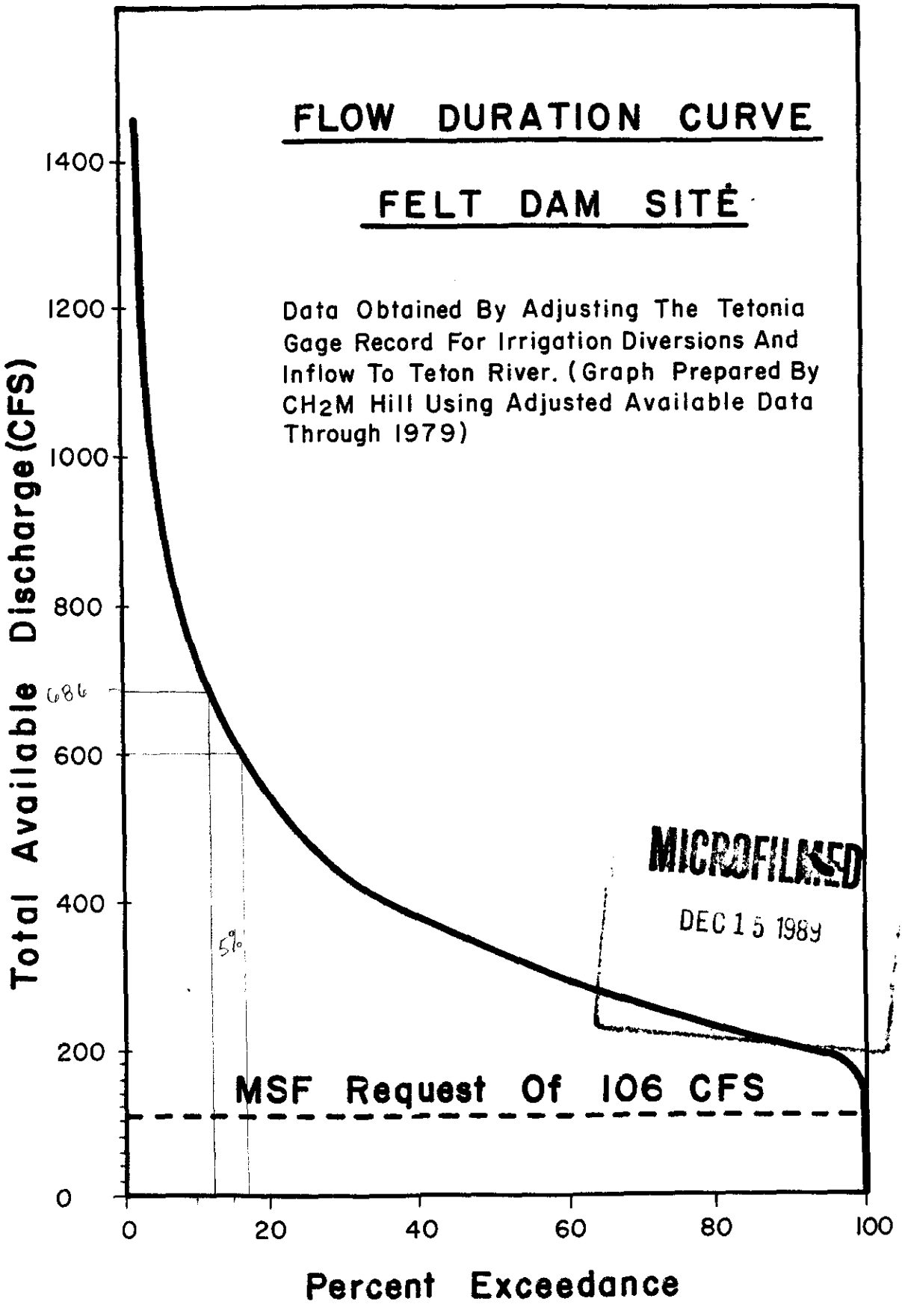
## EXHIBITS A,B,C,D,E,F,G

FALL RIVER
Rural Electric Cooperative, Inc.
Ashton, Idaho

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Project No. 5089
February 1982
Revised May 1982

Prepared by CH2M HILL


FLOW DURATION CURVE
FELT DAM SITE
Data Obtained By Adjusting The Tetonia Gage Record For Irrigation Diversions And Inflow To Teton River. (Graph Prepared By CH2M Hill Using Adjusted Available Data Through 1979)
Total Available Discharge (CFS)
1400
1200
1000
800
686
600
400
200
0
5%
MSF Request Of 106 CFS
0
20
40
60
80
100
Percent Exceedance
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From: Felt Hydroelectric Project
F.E.R.C. License Application
by CH2M HILL

# EXHIBIT B - PROJECT OPERATION AND RESOURCE UTILIZATION

## (1) DESCRIPTION OF PLANT OPERATION

The proposed power plant mode of operation will be automatic with remote monitoring and supervisory control accomplished through a VHF radio link with Fall River's office in Ashton, Idaho. Fall River's office is located about 30 miles from the project site. During adverse or high water years, the project's operation mode will not differ materially from that during mean water years. Power generation will necessarily vary according to available discharge. Flows smaller than the power plant's minimum capacity or greater than its maximum capacity will be discharged by the spillway into the Teton River, bypassing the Felt power plant.

The plant's output is summarized below.

| | Adverse Water Year (1955) | Mean Water Year | High Water Year (1943) |
|---|---|---|---|
| Installed Capacity (MW) | 6.0 | 6.0 | 6.0 |
| Annual Energy (MWh) | 25,900 | 31,400 | 32,900 |
| Plant Capacity Factor (%) | 49 | 59 | 62 |

## (2) DEPENDABLE CAPACITY AND AVERAGE ANNUAL ENERGY PRODUCTION

The power plant will have an installed capacity of 6,025 kilowatts (kW) and an average annual energy production of 31,400,000 kilowatt-hours (kWh). The entire 16 years of

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daily flow records show a total of 21 days when river discharge was insufficient to generate electricity. The minimum discharge necessary for generation is 140 cfs, which corresponds to generating capability of 1220 kW and is available 99.6 percent of the time. Ninety-five percent of the time the plant could generate 1800 kW or more. The lowest flow month of the 16-year record is January 1943. During that month, the plant would have generated 960,000 kWh, or 1,290 average kW. The plant would not have been able to generate any power during 11 days of that month.

(2i) Minimum, Mean, and Maximum Flows

The Teton River originates in the southern part of the Teton Mountain Range and flows northwest into the Teton Valley. As it continues northward down the valley, it collects drainage from tributaries which head in the Teton, Snake River, and Big Hole Mountains. Near the town of Tetonia, the river leaves the upper valley via a narrow canyon and flows down to the Felt project site about three-quarters of a mile above its confluence with Badger Creek. From here it continues north for a short distance and then turns westward, flowing into the Henrys Fork of the Snake River 30 miles to the west. The river drainage area at the Felt site is about 480 square miles, with elevations around its perimeter ranging from 7000 to 10,000 feet. Spring snowmelt is the principal source of streamflow, although light rain and occasional thunderstorms also contribute. Annual precipitation in the watershed varies from about 16 inches in the valley to over 60 inches in the mountain headwaters.

The primary use of the river in the Teton Valley is irrigation. Several diversions for this purpose occur on the river and its tributaries above the project site. The

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estimated average daily flow at the project site is 413 cfs. Daily flow has ranged from about 65 cfs to over 1,900 cfs during the period of record. The lowest flow month during the period of records was January 1943. Eleven days during that month had recorded discharges below 140 cfs. The remainder of the 16 years of record show 10 more days when flows were below 140 cfs.

A hydrologic analysis of the Teton River at the project site was completed to determine the quantity and duration of flow available for power generation. The principal source of data for the analysis was the record of measurements made at the U.S. Geological Survey (USGS) gaging station on the Teton River near Tetonia, Idaho (No. 13054000). This gage is located about 7 miles above the Felt site. The available record consists of 16 years of daily measurements (1942 through 1957).

In order to assure that data from the Tetonia gage record would produce a site flow duration curve representative of a longer period of record, including more recent data, the Tetonia gage data were correlated with data from gages on the Teton River above South Leigh Creek (6 miles upstream, 1963 to 1979) and near St. Anthony, Idaho (28 miles downstream, 1934 to 1979) on an annual and monthly basis. The Tetonia and St. Anthony records correlated very well: 85 percent monthly and 99 percent annually. The results of the St. Anthony-Tetonia correlation were used to simulate a 1958 to 1979 record at the Tetonia gage. The flow duration curve produced from these data, in combination with the historical Tetonia gage data (1942 to 1979 overall record), was nearly identical to that produced from the historical Tetonia gage data (1942 to 1957) alone. For these reasons, only the historical record near Tetonia was used to develop the site flow duration curve.

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The discharge record at the Felt project site was obtained by adjusting the Tetonia gage record for irrigation diversions and precipitation runoff inflow along the intervening reach. The runoff adjustment was derived from average monthly precipitation values and the 9-square-mile increment of additional drainage area between the hydro site and gage. The irrigation diversion adjustment was derived from Idaho Department of Water Resources (IDWR) records on the diversions by the three Teton pipeline pump stations above the Felt site and the R & J Brown pump that takes water directly from the Unit No. 5 penstock above the Felt Power Plant. The flow duration curve obtained from the resulting daily streamflow record is shown on Figure B-1. Figure B-2 shows annual streamflow during the period 1934 to 1978.

(2ii) Area Capacity Curve

The original reservoir covered an area of nearly 10 acres and had a maximum depth of about 8 feet. Since construction of the dam, the reservoir has nearly filled with sediment and no longer has significant usable storage. However, storage was never an important function of the dam and its decrease does not impair diversion of water into the penstocks.

(2iii) Power Plant Hydraulic Capacity

The maximum hydraulic capacity of the power plant is 680 cfs. The relationship between power plant discharge and net head is shown on Figure B-3. Since the gross static head is constant, the net head decreases with discharge due to hydraulic losses and tailwater rise.

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(2iv) Tailwater Rating Curve and Flood Stage

The tailwater rating curve, shown on Figure B-4, was developed using a step backwater analysis within the excavated tailrace channel.

During periods of flooding, water levels can be expected to reach the elevations shown by the stage versus discharge relationship shown on Figure B-7. These correspond to the discharges and return intervals shown by the flood frequency curve on Figure B-6.

(2v) Power Plant Capability vs Head

The headwater elevation at the diversion dam will be maintained at the constant elevation of 5530 feet above mean sea level (msl). Tailwater elevation will vary about 3 feet with power plant discharge, as shown on Figure B-4. The major head variations will result from hydraulic losses in the system. These losses will vary from zero at no discharge to 24 feet at 680 cfs. The relationship between net head and generator capability is shown on Figure B-5.

(2vi) Fishery Minimum Flow

In March 1981, Fall River applied to the State of Idaho for a permit to appropriate (water right) 300 cfs for the project. This would be added to 300 cfs of old rights to bring the total rights to 600 cfs. The application was protested by the Idaho Department of Fish and Game (IDFG). During succeeding negotiations Fall River offered to allow 20 cfs to pass the Felt diversion dam as a condition of the new water rights if IDFG would withdraw its protest. IDFG accepted this offer and withdrew the protest. The water

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right was subsequently approved pending the FERC license, and project planning proceeded on the assumption that when Fall River's diversions exceeded 300 cfs, 20 cfs would be bypassed before diverting additional water to the power plant.

During preparation of the license application, comments were requested from IDFG by letter dated November 5, 1981. This letter was answered by letter dated January 5, 1982, in which IDFG suggested a minimum flow of 106 cfs. This large minimum flow would reduce power generation by 10 million kWh annually and cost Fall River nearly $600,000 per year in lost revenue. Furthermore, it would raise the cost of project energy from 55 mills per kWh to 81 mills per kWh. With IDFG's proposed minimum flow of 106 cfs, the project would not be feasible and Fall River would be forced to abandon plans to replace the existing plant. The impact on the region would be a loss of about 20 million kWh per year of energy increase.

The average monthly flows in the project area are illustrated on Figures B-8 and B-9. Figure B-9 shows that under the existing condition, no flow passes the diversion dam between August and May (8 months in an average year). The applicant originally proposed to pass at least 20 cfs whenever the inflow exceeds 300 cfs if it can be demonstrated that the flow would be beneficial to fish. The average monthly flow exceeds 300 cfs most of the time from March to December. Therefore, the applicant's original proposal would increase the river discharge in the project reach during 5 months and decrease the no-flow period from 8 months to 3 months.

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(2vii) Agreement on Fishery Issues Between IDFG and Fall River

During discussions between IDFG and Fall River, it became apparent that additional information was needed in order to avoid a possible impasse over the question of minimum flow requirements in the river between the dam and power plant.

Consequently, Fall River suggested a field trip during which it would regulate the river flow at the diversion dam so all concerned could examine the river at several stages. The trip would have to occur during February before the spring flows exceeded the existing turbine capacity so all flow could be diverted through the power plant. IDFG welcomed the suggestion and the trip took place February 9, 1982. Four representatives from IDFG attended, as did one representative from the U.S. Fish and Wildlife Service.

The demonstration was conducted as follows:

A. The preceding night Fall River shut down the power plant and spilled all the river flow (approximately 260 cfs) in order to wash the accumulated snow out of the channel and provide the best view of river conditions.

B. Before the demonstration began, Fall River restarted the plant and resumed diverting all flow through the plant so at the beginning, flow through the dam was negligible.

C. IDFG deployed their personnel along the river at critical points.

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D. The sluice gate was opened a measured amount to release 10 cfs and sufficient time was allowed for the flow to stabilize throughout the reach. After all observers were satisfied, the flow was increased and the process repeated. Observations were made at discharges of 0, 10, 20, 30, 50, and 100 cfs.

The experiment was totally successful and concluded with agreement between Fall River and IDFG on all major points of dispute. Terms of the agreement are as follows:

1. Fall River will construct a fish ladder capable of operating with flow in the range of 10 to 30 cfs. IDFG will furnish design criteria and review the design of the ladder.

2. The minimum flows release from the dam will be 20 cfs except for 3 months each year during the period of cutthroat trout spawning migration, when the minimum flow release will be 50 cfs. One of the 3 months of 50 cfs minimum flow will be June, which is normally the highest flow month. The 50 cfs flow may not be required throughout all the 3 months to provide for upstream fish passage. IDFG will conduct studies to more closely identify the time frame in the spring during which the cutthroat trout spawning migration takes place.

3. Fall River will pay IDFG a lump sum to provide for mitigation of turbine mortality. IDFG will make estimates of the expected mortality and amount of mitigation.

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4. IDFG will break up a few large boulders in the channel to facilitate fish passage. This work will be funded by Fall River.

5. The public will be allowed to walk down the power plant access road for fishing or other recreational purposes; however, the road will not be suitable for public vehicle traffic. Fall River will provide a parking area near the Badger Substation.

6. Fish screens at the penstock intakes will not be required.

With the conclusion of the above agreement, all environmental issues have now been resolved and no known opposition to the project remains. IDFG has agreed to provide a letter for inclusion in this application which will verify their agreement.

## (3) POWER UTILIZATION

### Regional Power Supply and Loads

Fall River purchases its power supply from the Bonneville Power Administration (BPA). BPA, a bureau of the U.S. Department of Energy (DOE), was established by the Bonneville Project Act of August 10, 1937, to build transmission facilities and market power from the Federal hydroelectric projects in the Pacific Northwest. Fall River is a statutory preference customer of BPA and, as such, has priority over nonpreference customers to power sold by BPA from the Federal Base System.

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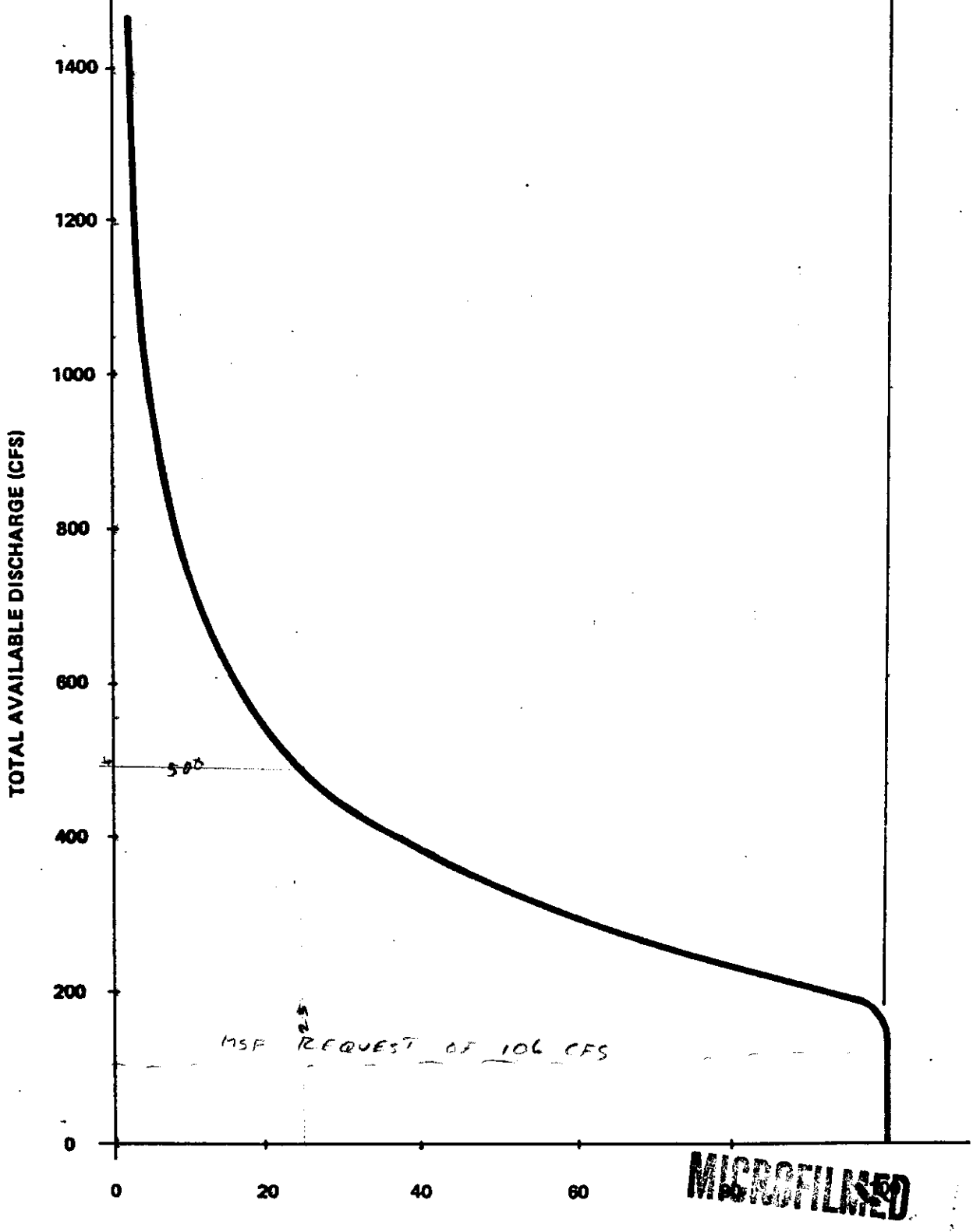
Fall River has a power sales contract with BPA extending to 1983. Under this contract, BPA agrees to supply Fall River's power requirements to the extent that power is available from the Federal system to meet Fall River's and other preference customers' power requirements. BPA gave notice to its statutory preference customers, including Fall River, that in accordance with the provisions of the power sales contract, BPA would not have sufficient generating resources to supply all of the preference customers' firm energy needs beyond June 30, 1983. All preference customer power sales contracts, including that of Fall River, provide a formula for the allocation of BPA's available energy resources after that date.

On December 5, 1980, the "Pacific Northwest Electric Power Planning and Conservation Act," P.L. 96-501 (the "Regional Power Act"), was signed into law. It fundamentally alters the institutional arrangements in the Pacific Northwest for the development, financing, and marketing of electric power.

Under the Act, BPA is responsible for meeting the net firm power requirements of each requesting Pacific Northwest utility (including publicly owned systems, investor-owned systems, and cooperatives) as well as certain specified requirements of BPA's existing direct-service industrial customers. Other provisions of the Act specify BPA's ability to restrict its power sales obligations if it is unable to acquire sufficient resources during any period, and requires BPA to attempt to cure any such insufficiency.

In order to meet its increased power sales obligations, the Act grants BPA authority to purchase, on a long-term basis, the capability or output of electric-generating resources to be constructed by resource sponsors. The new law does not

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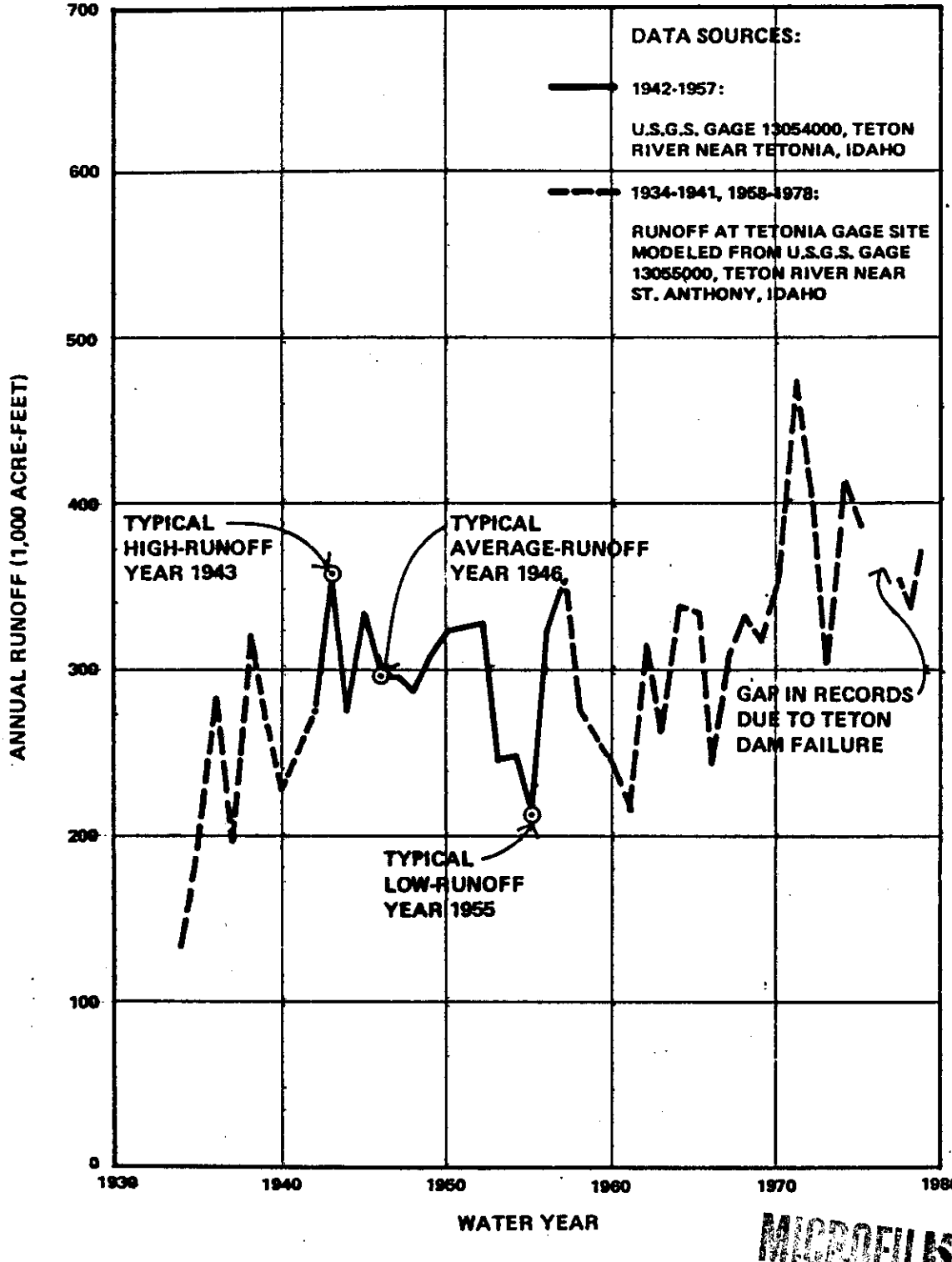

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**FIGURE B-1**

**SITE FLOW DURATION CURVE**

**FELT LICENSE APPLICATION**

B14404.LO



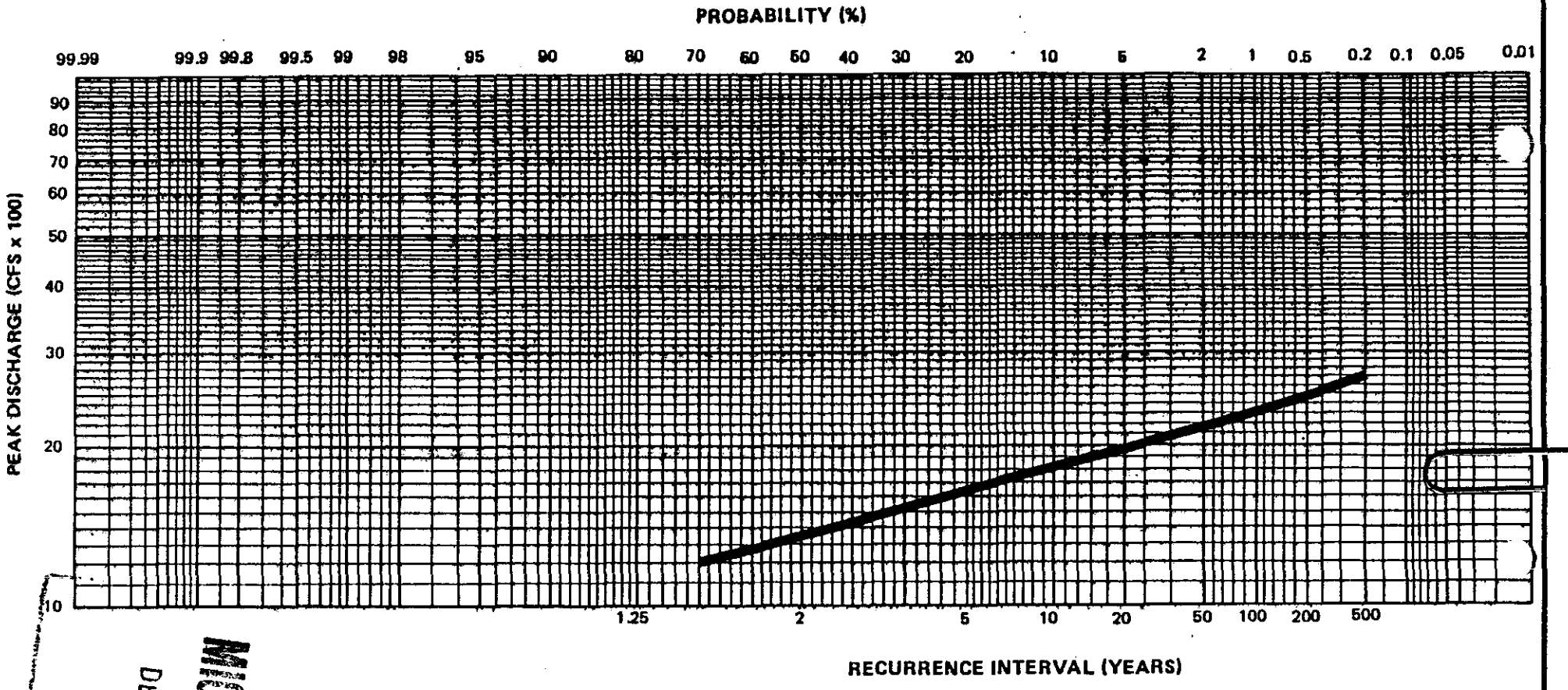

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# FIGURE B-2

## ANNUAL RUNOFF IN THE TETON RIVER ABOVE THE FELT HYDROPOWER SITE

FELT LICENSE APPLICATION

B14404.L0




DEC 15 1989

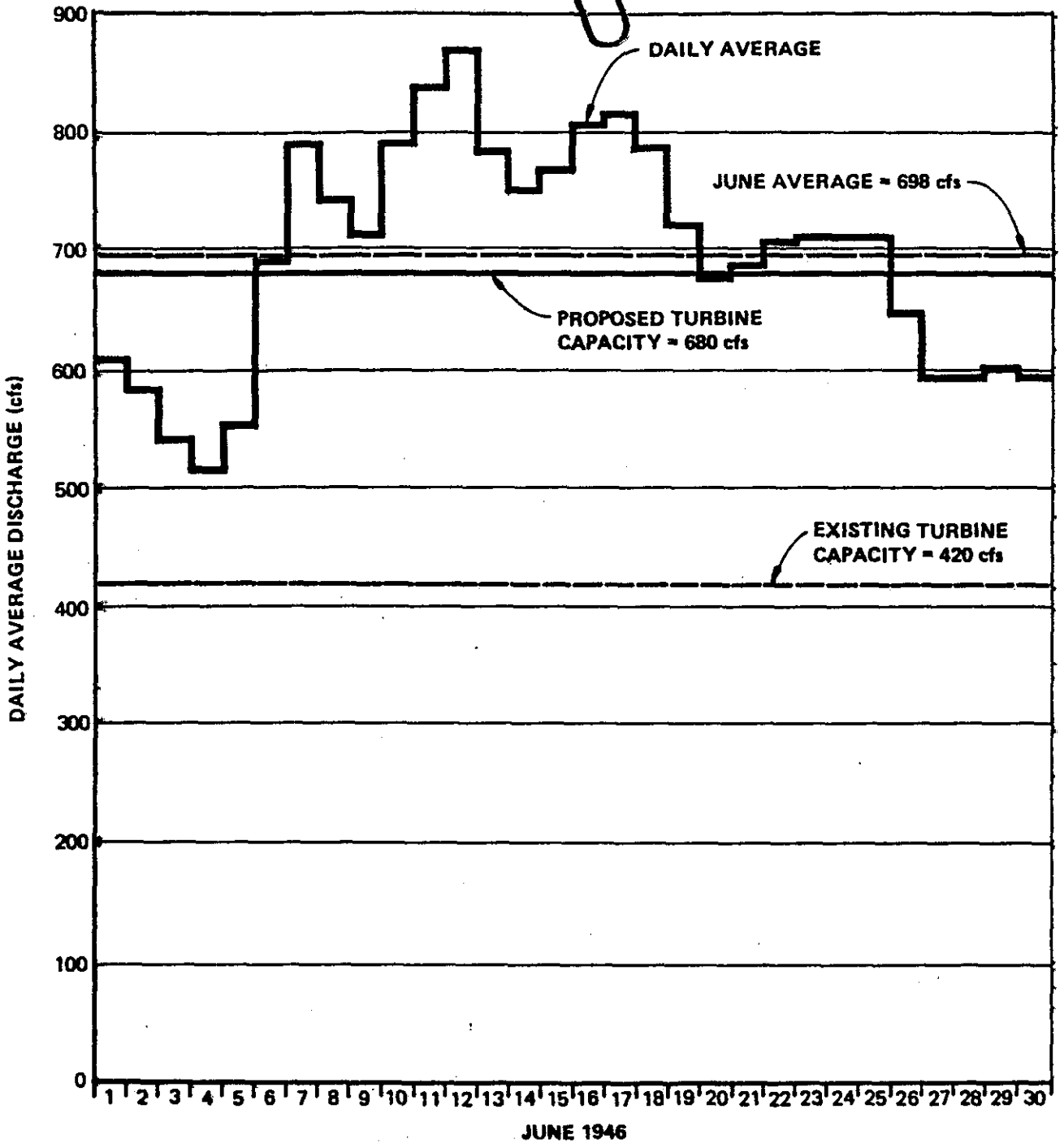
FELT HYDROELECTRIC PROJECT
FLOOD FREQUENCY CURVE
TETON RIVER NEAR TETONIA
DA
PERIOD OF RECORD - 22 YEARS

# FIGURE B-6

FLOOD FREQUENCY
FELT LICENSE APPLICATION

CH2M HILL

B14404.L0




DATA SOURCE: U.S.G.S. Gage 13054000, Teton River Near Tetonia, Idaho

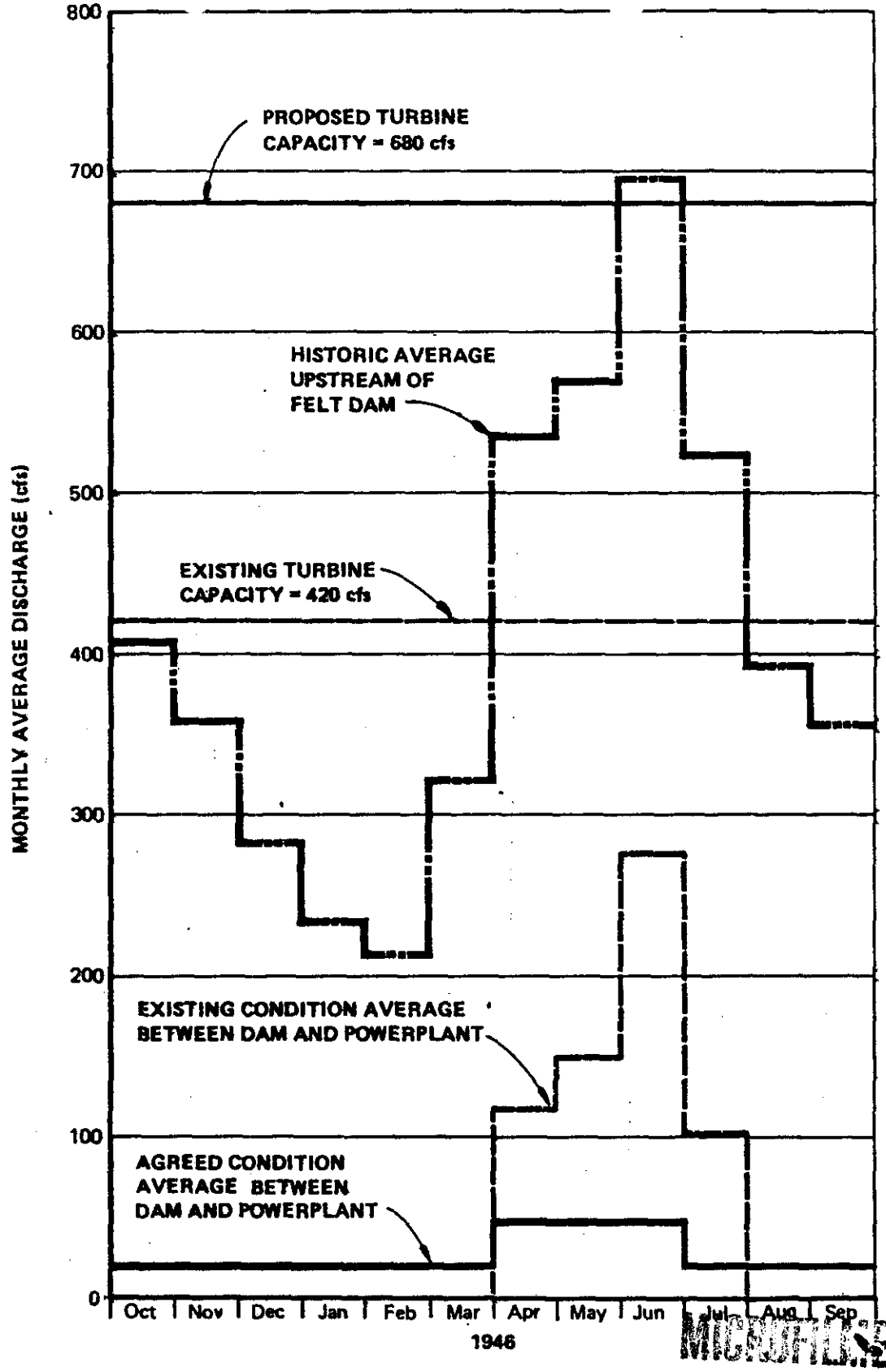
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# FIGURE B-8

DAILY DISCHARGE IN THE FELT HYDROELECTRIC PROJECT AREA DURING JUNE FOR THE AVERAGE WATER YEAR 1946

FELT LICENSE APPLICATION

B14404.L0




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DATA SOURCE:
U.S.G.S. Gage 13064000, Teton River Near Tetonia, Idaho

DEC 1 5 1989

# FIGURE B-9

MONTHLY DISCHARGE IN THE FELT HYDROELECTRIC PROJECT AREA DURING THE AVERAGE WATER YEAR 1946

FELT LICENSE APPLICATION

B14404.L9

## Hydrology

The Teton River originates in the southern part of the Teton Range and flows northwest into the Teton Valley. As it continues northward down the valley, it collects drainage from tributaries which head in the Teton, Snake River, and Big Hole Mountains. Near the town of Tetonia, the river leaves the upper valley via a narrow canyon and flows down to the Felt project site about 3/4 mile above its confluence with Badger Creek. From here it continues north for a short distance and then turns westward, flowing to the Henrys Fork of the Snake River 30 miles to the west. The river drainage area at the Felt site is about 480 square miles, with elevations around its perimeter ranging from 7000 to 10,000 feet. Spring snowmelt is the principal source of streamflow, although light rain and occasional thunderstorms also contribute. Annual precipitation in the watershed varies from about 14.5 inches in the valley to more than 60 inches in the mountain headwaters.

## Land Use and Recreation

Cultivated crop production and wildlife habitat are the generalized land uses in the project vicinity. Limited dispersed recreational activity, primarily fishing, occurs in the canyon. Except for the existing Felt Dam hydroelectric facilities and one irrigation water pipeline ascending the west canyon wall, the canyon bottom and sides are essentially in a natural state and used solely as wildlife habitat. The flatland above the canyon has nearly all been converted to irrigated cropland to the edge of the canyon rim.

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Idaho State Highways 32 and 33 would serve as the commute and delivery routes to the project vicinity. These two roads are linked to the regional transportation network by connecting with U.S. Highway 20, as shown on Figure E-3.

## (2) REPORT ON WATER USE AND WATER QUALITY

### Water Use

The river drainage area at the Felt site is about 480 square miles, with elevations around its perimeter ranging from 7000 to 10,000 feet. Spring snowmelt is the principal source of streamflow, although light rain and occasional thunderstorms also contribute. Annual precipitation in the watershed varies from about 14.5 inches in the valley to more than 60 inches in the mountain headwaters.

The primary use of the river in the Teton Valley is irrigation. Several diversions for this purpose occur on the river and its tributaries above the project site. The estimated average daily flow at the project site is 413 cfs. Daily flow has ranged from about 62 cfs to more than 1,900 cfs during the period of record. Average monthly flows for 5 years of record at Tetonia are shown in Table E-1.

The discharge record at the Felt project site was obtained by adjusting the Tetonia gage record for irrigation diversions and precipitation runoff inflow along the intervening reach. The runoff adjustment was derived from average monthly precipitation values and the 9-square-mile increment of additional drainage area between the hydro site and gage.

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The Felt hydroelectric project will be capable of utilizing a maximum of 680 cfs through both turbines. Fall River Rural Electric Cooperative, Inc., has requested water rights to an additional 300 cfs from the Idaho Department of Water Resources for a total water right of 600 cfs. The project represents nonconsumptive use of the water and will be subject to available flows during the irrigation season. Prior diversion and water rights of irrigators will not be altered by the project.

Water Quality

Water quality in the slack area and immediately downstream of the dam has been documented (see Table E-2). Some sediment is carried by the Teton River, as evidenced by the accumulation which has occurred in the Felt Dam impoundment and the loss of quality fishery habitat in valleys and low gradient areas. Dissolved oxygen (DO) within the impoundment and downstream of the dam is high (8+ mg/l). Water quality at the Felt site is generally very good. Some degradation of water quality occurs as a result of return flows from irrigation use, but return flows are a very small percent of runoff. The return flows increase the sediment load and the organic and inorganic components of the water. The quality of water at the Felt site and throughout the project is extremely high for irrigation use, with total dissolved solids less than 200 mg/l. The quality of the water in the river is dependent on the amount and quality of the return flows. Return flow quality is, in turn, dependent upon farm activities and irrigation practices. However, water quality is high and no quality problems exist in the project area.

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Operation of the Felt hydroelectric project will not alter water quality at the site. The water is near saturation levels for DO within the river and impoundment, and the power plant will not suppress DO levels.

Minimum Flows

The capacity of the turbines will increase from 420 cfs to 680 cfs, and any remaining flow will spill over the dam. As shown on Figure E-6, the average monthly flows will usually be below turbine capacity. During most months the available flows will be routed through the penstocks and discharged into the tailrace. Consequently, flows will be diverted from the segment of river between the dam and the tailrace. By agreement between the applicant and the Idaho Department of Fish and Game, the minimum flows released from the dam will be 20 cfs except for 3 months each year during the period of cutthroat trout spawning migration, when the minimum flow release will be 50 cfs. One of the 3 months of 50 cfs minimum flow will be June, which is normally the highest flow month. The 50 cfs flow may not be required throughout all the 3 months to provide for upstream fish passage. IDFG will conduct studies to more closely identify the time frame in the spring during which the cutthroat trout spawning migration takes place.

(Portion deleted.)

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## (8) AGREEMENT ON FISHERY ISSUES BETWEEN IDFG AND FALL RIVER

During discussions between IDFG and Fall River, it became apparent that additional information was needed in order to avoid a possible impasse over the question of minimum flow requirements in the river between the dam and power plant.

Consequently, Fall River suggested a field trip during which it would regulate the river flow at the diversion dam so all concerned could examine the river at several stages. The trip would have to occur during February before the spring flows exceeded the existing turbine capacity so all flow could be diverted through the power plant. IDFG welcomed the suggestion and the trip took place February 9, 1982. Four representatives from IDFG attended, as did one representative from the U.S. Fish and Wildlife Service.

The demonstration was conducted as follows:

A. The preceding night Fall River shut down the power plant and spilled all the river flow (approximately 260 cfs) in order to wash the accumulated snow out of the channel and provide the best view of river conditions.

B. Before the demonstration began, Fall River restarted the plant and resumed diverting all flow through the plant so at the beginning, flow through the dam was negligible.

C. IDFG deployed their personnel along the river at critical points.

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D. The sluice gate was opened a measured amount to release 10 cfs and sufficient time was allowed for the flow to stabilize throughout the reach. After all observers were satisfied, the flow was increased and the process repeated. Observations were made at discharges of 0, 10, 20, 30, 50, and 100 cfs.

The experiment was totally successful and concluded with agreement between Fall River and IDFG on all major points of dispute. Terms of the agreement are as follows:

1. Fall River will construct a fish ladder capable of operating with flow in the range of 10 to 30 cfs. IDFG will furnish design criteria and review the design of the ladder.

2. The minimum flows release from the dam will be 20 cfs except for 3 months each year during the period of cutthroat trout spawning migration, when the minimum flow release will be 50 cfs. One of the 3 months of 50 cfs minimum flow will be June, which is normally the highest flow month. The 50 cfs flow may not be required throughout all the 3 months to provide for upstream fish passage. IDFG will conduct studies to more closely identify the time frame in the spring during which the cutthroat trout spawning migration takes place.

3. Fall River will pay IDFG a lump sum to provide for mitigation of turbine mortality. IDFG will make estimates of the expected mortality and amount of mitigation.

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4. IDFG will break up a few large boulders in the channel to facilitate fish passage. This work will be funded by Fall River.

5. The public will be allowed to walk down the power plant access road for fishing or other recreational purposes; however, the road will not be suitable for public vehicle traffic. Fall River will provide a parking area near the Badger Substation.

6. Fish screens at the penstock intakes will not be required.

With the conclusion of the above agreement, all environmental issues have now been resolved and no known opposition to the project remains. IDFG has agreed to provide a letter for inclusion in this application which will verify their agreement.

## (9) LIST OF REFERENCES AND CONTACTS

Graeff, Todd. December 1981. Personal communications. Idaho Department of Parks and Recreation.

Green, T. 1981. Idaho State Historical Society. Personal communication.

Hunter, Ed. December 1981. Personal communications. Idaho Department of Employment, Idaho Falls Regional Office.

Idaho Department of Parks and Recreation. March 1978. Idaho Outdoor Recreation Plan, 1977.

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Table E-1
5-YEAR AVERAGE FLOW
TETON RIVER NEAR TETONIA, IDAHO
MEAN FLOWS BY MONTH*

| Month | 1952-53 | 1953-54 | 1954-55 | 1955-56 | 1956-57 | Average |
|---|---|---|---|---|---|---|
| Oct | 289 | 270 | 298 | 281 | 348 | 297 |
| Nov | 249 | 256 | 293 | 285 | 325 | 282 |
| Dec | 225 | 208 | 233 | 310 | 235 | 242 |
| Jan | 261 | 206 | 208 | 238 | 190 | 221 |
| Feb | 229 | 195 | 196 | 189 | 277 | 217 |
| Mar | 304 | 240 | 190 | 299 | 313 | 269 |
| Apr | 288 | 356 | 304 | 455 | 414 | 363 |
| May | 276 | 524 | 269 | 765 | 639 | 495 |
| Jun | 756 | 551 | 464 | 1,027 | 1,177 | 795 |
| Jul | 519 | 549 | 424 | 666 | 958 | 623 |
| Aug | 395 | 426 | 362 | 462 | 523 | 434 |
| Sep | 291 | 325 | 293 | 372 | 426 | 341 |
| TOTAL | 4,082 | 4,106 | 3,534 | 5,349 | 5,825 | 4,579 |
| AVERAGE | 340 | 342 | 295 | 446 | 485 | 382 |

*1929-1932 and 1941-1957 average flow = 393 cfs (284,500 acre-ft/yr)

Maximum: 1,900 cfs on June 28, 1945

Minimum: 62 cfs on January 16 and 17, 1943

5-year average from October 1952 to September 1957: 382 cfs

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Table E-2
WATER QUALITY DATA FOR THE FELT DAM PROJECT AREA
September 16, 1981

| Sample ID | Felt Dam Upstream .25 mi | Felt Dam Upstream 1 mi | Felt Dam Reservoir (near shore) |
|---|---|---|---|
| Total Alkalinity | 141.45 | 138.55 | 146.16 |
| Carbonate | 4.07 | 6.42 | 6.34 |
| Bicarbonate | 137.38 | 132.13 | 139.82 |
| Hardness | 170.0 | 170.0 | 170.0 |
| Nitrate | 0.28 | 0.25 | 0.20 |
| Total Kjeldahl Nitrogen | 0.14 | .1 | 0.20 |
| Total Nitrogen | 0.42 | 0.25 | 0.40 |
| pH, Units | 8.4 | 8.5 | 8.5 |
| Suspended Solids | 4 | 4 | 2 |
| Total Dissolved Solids | 184 | 168 | 188 |
| Specific Conductance | 283 | 283 | 280 |
| Turbidity, NTU | 0.70 | 0.44 | 0.67 |
| Phosphorus, Ortho | 0.05 | 0.03 | 0.04 |
| Phosphorus, Total | 0.06 | 0.03 | 0.04 |
| Dissolved Oxygen | 8.6 | 8.8 | 8.5 |

| | Felt Dam Reservoir (center) | Below Felt Dam .25 mi | Below Felt Dam 1 mi |
|---|---|---|---|
| Total Alkalinity | 144.98 | 143.90 | 141.99 |
| Carbonate | 5.43 | 4.53 | 0 |
| Bicarbonate | 139.55 | 139.37 | 141.99 |
| Hardness | 170.0 | 171.0 | 169.6 |
| Nitrate | 0.33 | 0.34 | 0.26 |
| Total Kjeldahl Nitrogen | .1 | 0.1 | .1 |
| Total Nitrogen | 0.33 | 0.44 | 0.26 |
| pH, Units | 8.5 | 8.5 | 8.1 |
| Suspended Solids | 2 | 2 | 2 |
| Total Dissolved Solids | 182 | 184 | 182 |
| Specific Conductance | 281 | 290 | 281 |
| Turbidity, NTU | 0.53 | 0.46 | 0.88 |
| Phosphorus, Ortho | 0.02 | 0.03 | 0.03 |
| Phosphorus, Total | 0.03 | 0.05 | 0.03 |
| Dissolved Oxygen | 8.5 | 8.5 | 8.8 |

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## 90. Teton River near St. Anthony, Idaho

Location.--Lat 43°56', long. 111°37', in SW¼ sec. 15, T. 7 N., R. 41 E., on right bank half a mile upstream from railroad bridge and 4 miles southeast of St. Anthony.

Drainage area.--890 sq mi (revised).

Gage.--Water-stage recorder. Datum of gage is 4,971.8 ft above mean sea level, datum of 1929. Apr. 5, 1890, to Sept. 30, 1893, staff gage at site 1 mile downstream at different datum. Apr. 23, 1903, to June 30, 1909, staff gage at site probably three-quarters of a mile upstream from present site at different datum. Apr. 19, 1920, to May 1, 1921, staff gage and May 2, 1921, to Nov. 5, 1933, water-stage recorder, at site 400 ft downstream from present site at different datum.

Average discharge.--17 years (1933-50), 747 cfs.

Extremes.--1890-93, 1903-9, 1920-50: Maximum discharge observed, 5,830 cfs June 13, 1893 (revised), (gage height, 6.90 ft, site and datum then in use); minimum observed, 215 cfs (revised) March 12, 1906 (gage height, 1.00 ft, site and datum then in use).

Remarks.--Flow affected by diversions for irrigation of about 40,000 acres from streams in Teton River basin, 20 miles upstream, and by flow diverted from Fall River through Enterprise Canal during 1931-37, and from Henrys Fork through Cross Cut Canal during 1938-50.

Flow diverted by Enterprise Canal and Cross Cut Canal

| Year | Acre-feet | Year | Acre-feet | Year | Acre-feet | Year | Acre-feet |
|---|---|---|---|---|---|---|---|
| 1931 | 452 | 1936 | 2,200 | 1941 | 3,710 | 1946 | 6,060 |
| 1932 | 630 | 1937 | 5,350 | 1942 | 7,360 | 1947 | 0 |
| 1933 | 4,300 | 1938 | 1,400 | 1943 | 0 | 1948 | 8,970 |
| 1934 | 4,070 | 1939 | 7,000 | 1944 | 6,940 | 1949 | 6,870 |
| 1935 | 200 | 1940 | 12,500 | 1945 | 0 | 1950 | 0 |

Monthly and yearly mean discharge, in cubic feet per second

| Water year | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | The year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1890 | - | - | - | 400 | 465 | 450 | #715 | 2,730 | 2,810 | 2,130 | †675 | †465 | - |
| 1891 | 475 | 450 | 459 | 400 | #445 | 450 | 630 | 1,400 | 1,660 | 1,050 | 547 | 450 | #701 |
| 1892 | †448 | 425 | 425 | 400 | 425 | 450 | 575 | 1,910 | 3,840 | 2,780 | †761 | 488 | 1,080 |
| 1893 | 471 | 450 | 450 | 425 | 425 | #419 | 628 | 1,400 | 3,870 | 1,770 | 794 | 531 | #970 |
| 1903 | - | - | - | - | - | - | #506 | *1,000 | 2,450 | 1,090 | 737 | 653 | - |
| 1904 | 659 | a580 | a480 | #420 | a420 | #430 | #745 | *1,990 | 2,060 | 1,150 | 667 | 537 | #845 |
| 1905 | 520 | 432 | a350 | #330 | #315 | *449 | 416 | 902 | 1,300 | 710 | 448 | 394 | #548 |
| 1906 | 374 | 370 | #300 | #295 | #292 | *295 | 690 | 1,520 | 2,010 | 1,100 | 643 | 557 | #700 |
| 1907 | 508 | 456 | #385 | #340 | #329 | 566 | 844 | 1,610 | 2,060 | 1,870 | 925 | 697 | #886 |
| 1908 | 689 | 630 | 572 | 500 | 474 | 587 | 768 | 1,150 | *2,510 | *1,830 | 790 | 676 | *931 |
| 1909 | 654 | 565 | 539 | a400 | a380 | 384 | 783 | *1,820 | *3,710 | - | - | - | - |
| 1920 | - | - | - | - | - | - | #618 | 1,520 | 2,120 | 1,060 | 730 | 703 | - |
| 1921 | - | - | - | - | - | - | - | #2,300 | 3,050 | 1,030 | 748 | 699 | - |
| 1922 | 602 | 609 | 469 | 413 | 402 | 406 | 626 | 1,470 | 2,080 | 869 | 730 | 610 | 775 |
| 1923 | - | - | - | - | - | - | #583 | 1,500 | 1,650 | 1,040 | 685 | 579 | - |
| 1924 | - | - | - | - | - | - | - | #1,020 | 762 | 585 | 444 | 424 | - |
| 1925 | 505 | #435 | - | - | - | - | #842 | 2,600 | 2,390 | 1,820 | 851 | 793 | - |
| 1926 | #697 | - | - | - | - | - | 917 | 1,400 | 841 | 584 | 486 | 419 | - |
| 1927 | #433 | - | - | - | - | - | #684 | 1,650 | 3,350 | 1,900 | 857 | 735 | - |
| 1928 | - | - | - | - | - | - | 827 | 3,140 | 1,790 | 1,310 | 761 | 650 | - |
| 1929 | - | - | - | - | - | - | #650 | 1,250 | 1,880 | 1,020 | 666 | 616 | - |
| 1930 | - | - | - | - | - | - | 885 | 1,050 | 1,020 | 742 | 725 | 602 | - |
| 1931 | - | - | - | - | - | - | - | 776 | 696 | 440 | 425 | 363 | - |
| 1932 | - | - | - | - | - | - | - | 1,600 | 2,110 | 1,170 | 674 | 544 | - |
| 1933 | - | - | - | - | - | - | #709 | 924 | 1,830 | 727 | 610 | 511 | - |
| 1934 | 442 | 401 | 379 | 372 | 360 | 406 | 513 | 630 | 488 | 359 | 293 | 284 | 410 |
| 1935 | 365 | 326 | 305 | 280 | 296 | 333 | 609 | 1,020 | 1,500 | 788 | 555 | 475 | 571 |
| 1936 | 416 | 393 | 333 | 342 | 335 | 342 | 965 | 2,433 | 1,871 | 759 | 582 | 507 | 774 |
| 1937 | 463 | 398 | 323 | 320 | 280 | 357 | 642 | 1,227 | 1,106 | 730 | 513 | 428 | 567 |
| 1938 | 421 | 418 | 419 | 338 | 337 | 430 | 1,142 | 1,866 | 2,291 | 1,584 | 716 | 622 | 867 |
| 1939 | 561 | 508 | 424 | 397 | 381 | 606 | 985 | 1,612 | 1,186 | 888 | 667 | 586 | 736 |
| 1940 | 513 | 433 | 402 | 352 | 390 | 550 | 575 | 1,364 | 1,226 | 733 | 590 | 529 | 639 |
| 1941 | 482 | 436 | 370 | 339 | 336 | 640 | 515 | 1,420 | 1,541 | 844 | 718 | 597 | 688 |
| 1942 | 537 | 471 | 493 | 401 | 379 | 366 | 901 | 1,513 | 2,019 | 1,058 | 704 | 530 | 782 |
| 1943 | 479 | 522 | 418 | 407 | 390 | 486 | 1,411 | 1,773 | 2,314 | 1,678 | 923 | 685 | 959 |
| 1944 | 641 | 607 | 455 | 438 | 419 | 589 | 632 | 1,086 | 1,758 | 1,097 | 751 | 570 | 737 |
| 1945 | 544 | 517 | 405 | 381 | 380 | 418 | 611 | 1,487 | 2,547 | 1,782 | 973 | 768 | 903 |
| 1946 | 639 | 575 | 490 | 434 | 409 | 606 | 1,266 | 1,606 | 1,464 | 924 | 721 | 609 | 814 |
| 1947 | 583 | 554 | 496 | 372 | 433 | 566 | 545 | 1,638 | 1,677 | 1,021 | 721 | 596 | 769 |
| 1948 | 542 | 523 | 414 | 411 | 367 | 368 | 825 | 1,759 | 2,135 | 977 | 681 | 532 | 794 |
| 1949 | 495 | 509 | 436 | 355 | 375 | 441 | 979 | 2,378 | 1,873 | 923 | 679 | 569 | 837 |
| 1950 | 581 | 519 | 408 | 386 | 556 | 527 | 859 | 1,220 | 2,214 | 1,558 | 795 | 699 | 860 |

* Revised.
† Corrected.
# Not previously published; partly estimated on basis of weather records and records for nearby streams.
a Only monthly figures revised; revised daily figures not published.

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Monthly and yearly runoff, in acre-feet, of Teton River near St. Anthony, Idaho

| Water year | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | The year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1890 | - | - | - | 24,600 | 25,800 | 27,700 | *42,400 | 68,000 | 167,000 | 131,000 | †41,500 | †27,700 | - |
| 1891 | 29,200 | 26,800 | 28,200 | 24,600 | *24,700 | 27,700 | 37,500 | 86,200 | 98,900 | 64,500 | 33,600 | 26,800 | *509,000 |
| 1892 | †27,500 | 25,300 | 26,100 | 24,600 | 24,400 | 27,700 | 34,200 | 118,000 | 229,000 | 171,000 | †46,800 | 29,000 | 784,000 |
| 1893 | 29,000 | 26,800 | 27,700 | 26,100 | 23,600 | *25,800 | 37,400 | *86,200 | 250,000 | 109,000 | 48,800 | †51,600 | *702,000 |
| 1903 | - | - | - | - | - | - | *30,100 | †61,600 | 146,000 | 67,300 | 45,300 | 38,900 | - |
| 1904 | 40,500 | *34,500 | *29,500 | *25,800 | *24,200 | *26,400 | *44,300 | †22,000 | 122,000 | 70,500 | 41,000 | 32,000 | *613,000 |
| 1905 | 32,000 | 25,700 | *21,500 | *20,300 | *17,500 | *27,600 | 24,800 | 55,500 | 77,400 | 43,700 | 27,600 | 23,400 | *397,000 |
| 1906 | 23,000 | 22,000 | *18,400 | *18,100 | *16,200 | *18,100 | 41,100 | 93,700 | 119,000 | 67,400 | 39,500 | 33,100 | *510,000 |
| 1907 | 31,200 | 27,100 | *23,700 | *20,900 | *18,300 | 34,800 | 50,200 | 99,000 | 123,000 | 115,000 | 56,900 | 41,500 | *642,000 |
| 1908 | 42,400 | 37,500 | 35,200 | 30,700 | 27,300 | 38,100 | 45,700 | 70,700 | *149,000 | *112,000 | 48,600 | 40,200 | *675,000 |
| 1909 | 40,200 | 33,600 | 33,100 | *24,600 | *21,100 | 23,800 | 46,600 | *99,600 | *221,000 | - | - | - | - |
| 1920 | - | - | - | - | - | - | *36,800 | 93,500 | 126,000 | 65,200 | 44,900 | 41,800 | - |
| 1921 | - | - | - | - | - | - | - | *142,000 | 181,000 | 63,300 | 46,000 | 41,600 | - |
| 1922 | 37,000 | 36,200 | 28,800 | 25,400 | 22,300 | 25,000 | 37,200 | 90,400 | 124,000 | 53,400 | 44,900 | 36,300 | 561,000 |
| 1923 | - | - | - | - | - | - | *34,700 | 92,200 | 98,200 | 64,000 | 42,100 | 34,500 | - |
| 1924 | - | - | - | - | - | - | - | *62,800 | 45,300 | 36,000 | 27,300 | 25,200 | - |
| 1925 | 31,100 | *25,900 | - | - | - | - | *50,100 | 60,000 | 142,000 | 112,000 | 52,300 | 47,200 | - |
| 1926 | *42,900 | - | - | - | - | - | 54,600 | 86,100 | 50,000 | 35,900 | 29,900 | 24,900 | - |
| 1927 | *26,600 | - | - | - | - | - | *40,700 | 101,000 | 199,000 | 117,000 | 52,700 | 43,700 | - |
| 1928 | - | - | - | - | - | - | 49,200 | 93,000 | 107,000 | 80,600 | 46,800 | 38,700 | - |
| 1929 | - | - | - | - | - | - | *38,700 | 76,900 | 112,000 | 62,700 | 41,000 | 36,700 | - |
| 1930 | - | - | - | - | - | - | 52,700 | 64,600 | 60,700 | 45,600 | 44,500 | 35,800 | - |
| 1931 | - | - | - | - | - | - | - | 47,700 | 41,400 | 27,100 | 26,100 | 21,600 | - |
| 1932 | - | - | - | - | - | - | - | 98,400 | 126,000 | 71,900 | 41,400 | 32,400 | - |
| 1933 | - | - | - | - | - | - | *42,200 | 56,800 | 109,000 | 44,700 | 37,500 | 30,400 | - |
| 1934 | 27,200 | 23,900 | 23,300 | 22,900 | 20,000 | 25,000 | 30,500 | 38,900 | 29,000 | 22,100 | 18,000 | 16,900 | 298,000 |
| 1935 | 22,300 | 19,390 | 18,770 | 17,190 | 16,430 | 20,500 | 36,240 | 62,710 | 89,280 | 48,470 | 34,130 | 28,280 | 413,700 |
| 1936 | 25,590 | 23,370 | 20,470 | 21,010 | 19,260 | 21,040 | 57,400 | 149,600 | 111,300 | 46,690 | 35,800 | 30,150 | 561,700 |
| 1937 | 28,440 | 23,740 | 19,850 | 19,680 | 15,550 | 21,970 | 38,210 | 75,440 | 65,840 | 44,910 | 31,560 | 25,450 | 410,600 |
| 1938 | 25,860 | 24,890 | 25,790 | 20,770 | 18,730 | 26,450 | 67,930 | 114,700 | 136,300 | 85,100 | 44,010 | 37,000 | 627,500 |
| 1939 | 34,490 | 30,250 | 26,060 | 24,420 | 21,130 | 37,280 | 58,630 | 99,110 | 70,690 | 54,590 | 41,010 | 34,850 | 532,500 |
| 1940 | 31,510 | 25,750 | 24,740 | 21,620 | 22,460 | 33,650 | 34,190 | 83,860 | 72,930 | 45,080 | 36,300 | 31,500 | 463,800 |
| 1941 | 29,620 | 25,970 | 22,720 | 20,820 | 18,680 | 39,330 | 30,640 | 87,290 | 91,680 | 51,920 | 44,120 | 35,530 | 498,300 |
| 1942 | 33,020 | 28,030 | 30,340 | 24,690 | 21,050 | 22,500 | 53,630 | 93,010 | 120,100 | 65,070 | 43,270 | 31,510 | 566,200 |
| 1943 | 29,450 | 31,050 | 25,720 | 25,040 | 21,670 | 29,880 | 83,960 | 109,000 | 137,700 | 103,200 | 56,740 | 40,730 | 694,100 |
| 1944 | 39,430 | 36,140 | 28,000 | 26,940 | 24,090 | 23,940 | 37,630 | 68,750 | 104,600 | 67,450 | 46,160 | 33,920 | 535,000 |
| 1945 | 33,470 | 30,750 | 24,870 | 23,420 | 21,100 | 25,680 | 36,360 | 91,470 | 151,600 | 109,600 | 59,810 | 45,700 | 653,800 |
| 1946 | 39,310 | 34,240 | 30,120 | 26,690 | 22,730 | 37,270 | 75,340 | 98,780 | 87,110 | 56,830 | 44,340 | 36,230 | 589,000 |
| 1947 | 35,830 | 32,940 | 30,490 | 22,870 | 24,040 | 34,800 | 32,420 | 100,700 | 99,810 | 62,750 | 44,310 | 35,490 | 556,400 |
| 1948 | 33,330 | 31,110 | 25,480 | 25,260 | 21,090 | 22,620 | 49,070 | 108,100 | 127,100 | 60,080 | 41,840 | 31,640 | 576,700 |
| 1949 | 30,460 | 30,260 | 26,830 | 21,810 | 20,830 | 27,140 | 58,280 | 146,200 | 111,400 | 56,740 | 41,780 | 33,860 | 605,600 |
| 1950 | 35,700 | 30,860 | 25,110 | 23,720 | 30,880 | 32,410 | 51,090 | 75,040 | 131,800 | 95,800 | 48,870 | 41,600 | 622,900 |

* Revised.
† Corrected.
* Not previously published; partly estimated on the basis of weather records and records for nearby streams.
a Only monthly figures revised; revised daily figures not available.

Yearly discharge, in cubic feet per second

| Year | W.S.F. no. | Water year ending Sept. 30 | | | | | Calendar year | |
|---|---|---|---|---|---|---|---|---|
| | | Momentary maximum | | Minimum day | Mean | Runoff in acre-feet | Mean | Runoff in acre-feet |
| | | Discharge | Date | | | | | |
| 1890 | (a) | b4,440 | May 29, 1890 | - | - | - | *1,020 | *738,000 |
| 1891 | (a) | b2,360 | (c) | - | *701 | *509,000 | *695 | *504,000 |
| 1892 | (a) | b5,410 | June 21, 1892 | - | 1,080 | 784,000 | 1,080 | †788,000 |
| 1893 | (a) | b5,830 | June 13, 1893 | - | *970 | *702,000 | - | - |
| 1903 | 100,1347 | b3,080 | June 9, 1903 | - | - | - | - | - |
| 1904 | 135,1347 | *b3,950 | May 24, 1904 | - | *845 | *613,000 | *811 | *587,000 |
| 1905 | 178,1347 | b1,760 | June3-5, 1905 | - | *548 | *397,000 | *526 | *381,000 |
| 1906 | 214,1347 | *b3,300 | June 14, 1906 | *215 | *700 | *510,000 | *729 | *528,000 |
| 1907 | 252 | b3,040 | (d) | - | *886 | *642,000 | *931 | *675,000 |
| 1908 | 252,1347 | *b4,250 | June 17, 1908 | 427 | *931 | *675,000 | *920 | *667,000 |
| 1909 | 272,1347 | *b5,230 | June5,6, 1909 | 253 | - | - | - | - |
| 1920 | 513 | b3,040 | June 12, 1920 | - | - | - | - | - |
| 1921 | 533 | 4,390 | June 13, 1921 | - | - | - | - | - |
| 1922 | 553 | 3,300 | May 26, 1922 | 337 | 775 | 561,000 | - | - |
| 1923 | 573 | 3,410 | May 26, 1923 | - | - | - | - | - |
| 1924 | 593 | 1,580 | May 18, 1924 | - | - | - | - | - |
| 1925 | 613 | 4,230 | May 21, 1925 | - | - | - | - | - |
| 1926 | 633 | 2,370 | May 6, 1926 | - | - | - | - | - |
| 1927 | 653 | 4,100 | June 14, 1927 | - | - | - | - | - |
| 1928 | 673 | 4,350 | May 13, 1928 | - | - | - | - | - |
| 1929 | 693 | 3,220 | May 25, 1929 | - | - | - | - | - |
| 1930 | 708 | 1,780 | Apr. 3, 1930 | - | - | - | - | - |

* Revised.
† Corrected.
* Not previously published.
a 14th Ann. Rept., Pt. 2.
b Maximum observed.
c May 8, June 9, 1891.
d May 20, June 8, July 5, 1907.

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Yearly discharge, in cubic feet per second, of Teton River near St. Anthony, Idaho--Continued

| Year | W.S.P. no. | Water year ending Sept. 30 | | | | | Calendar year | |
|---|---|---|---|---|---|---|---|---|
| | | Momentary maximum | | Minimum day | Mean | Runoff in acre-feet | Mean | Runoff in acre-feet |
| | | Discharge | Date | | | | | |
| 1931 | 723 | 1,260 | May 16, 1931 | - | - | - | - | - |
| 1932 | 738 | a3,390 | June 17, 1932 | - | - | - | - | - |
| 1933 | 753 | a2,560 | June 15, 1933 | - | - | - | - | - |
| 1934 | 768 | 862 | May 7, 1934 | 248 | 410 | 298,000 | 392 | 284,000 |
| 1935 | 793 | 2,540 | June 14, 1935 | 248 | 571 | 413,700 | 584 | 422,700 |
| 1936 | 813 | 3,990 | May 15, 1936* | 280 | 774 | 561,700 | 777 | 564,300 |
| 1937 | 833 | 2,020 | May 19, 1937 | 273 | 567 | 410,600 | 573 | 415,200 |
| 1938 | 863 | 3,940 | Apr. 19, 1938 | 316 | 867 | 627,500 | 887 | 641,800 |
| 1939 | 883 | 2,270 | May 18, 1939 | 365 | 736 | 532,500 | 723 | 523,700 |
| 1940 | 903 | 2,040 | May 14, 1940 | 320 | 639 | 463,800 | 634 | 460,100 |
| 1941 | 933 | 2,390 | May 28, 1941 | 304 | 688 | 498,300 | 706 | 511,400 |
| 1942 | 963 | 3,550 | June 10, 1942 | 341 | 782 | 566,200 | 775 | 561,000 |
| 1943 | 983 | 3,280 | May 30, 1943 | 248 | 959 | 694,100 | 983 | 711,500 |
| 1944 | 1013 | 2,830 | June 28, 1944 | 336 | 737 | 535,000 | 717 | 520,600 |
| 1945 | 1043 | 3,270 | June 9, 1945 | 289 | 903 | 653,800 | 923 | 668,400 |
| 1946 | 1063 | 2,320 | Apr. 27, 1946 | 390 | 814 | 589,000 | 807 | 584,600 |
| 1947 | 1093 | 2,680 | May 9, 1947 | 304 | 769 | 556,400 | 756 | 547,100 |
| 1948 | 1123 | 3,560 | May 29, 1948 | 310 | 794 | 576,700 | 791 | 574,400 |
| 1949 | 1153 | 3,660 | May 17, 1949 | 350 | 837 | 605,600 | 842 | 609,700 |
| 1950 | 1183 | 4,010 | Apr. 2, 1950 | 240 | 860 | 622,900 | 873 | 632,300 |

* Revised.
a Maximum daily.

91. Diversions from Teton River between St. Anthony gaging station and mouth, Idaho

Between St. Anthony gaging station and mouth, 19 canals divert water from Teton River for irrigation of 30,000 acres of land. Prior to 1935, seasonal diversions of about 5,000 acre-feet for 1,000 acres of above land were not included in records collected. Records available for part of each irrigation season from 1919 to 1950. Discharge of canals computed from daily or bi-weekly staff-gage readings, or interpolated, and combined to show total diverted flow during period May to September. Records for October 1942 to April 1943 furnished by Bureau of Reclamation.

Monthly mean discharge, in cubic feet per second

| Year | May | June | July | Aug. | Sept. |
|---|---|---|---|---|---|
| 1919 | #654 | 689 | 351 | 280 | 301 |
| 1920 | #805 | 1,100 | 788 | 621 | #425 |
| 1921 | #744 | 921 | 821 | 664 | 391 |
| 1922 | #418 | 1,130 | 789 | 607 | 473 |
| 1923 | #559 | 952 | 874 | 606 | 517 |
| 1924 | #876 | 715 | 517 | 328 | 326 |
| 1925 | #547 | 932 | 839 | 662 | 496 |
| 1926 | 1,040 | 828 | 518 | 437 | 389 |
| 1927 | #485 | 1,080 | 1,010 | 762 | 560 |
| 1928 | #960 | 960 | 957 | 640 | 547 |
| 1929 | #539 | 1,190 | 874 | 599 | 551 |
| 1930 | 764 | 1,030 | 678 | 639 | 513 |
| 1931 | 826 | 685 | 355 | 349 | 296 |
| 1932 | 765 | 1,080 | 916 | 657 | 528 |
| 1933 | 522 | 1,320 | 704 | 571 | 473 |
| 1934 | 565 | 430 | 261 | 201 | 217 |
| 1935 | 689 | 1,129 | 787 | 504 | 398 |
| 1936 | 892 | 1,011 | 772 | 611 | 495 |
| 1937 | 708 | 1,060 | 681 | 479 | 385 |
| 1938 | 587 | 1,256 | 792 | 668 | 555 |
| 1939 | 921 | 1,103 | 882 | 662 | 535 |
| 1940 | 967 | 1,038 | 721 | 586 | 432 |
| 1941 | 812 | 1,132 | 789 | 606 | 473 |
| 1942 | 526 | 1,161 | 944 | 712 | 458 |
| 1943 | 569 | 953 | 996 | 772 | 521 |
| 1944 | 523 | 864 | 843 | 742 | 484 |
| 1945 | 413 | 765 | 943 | 688 | 478 |
| 1946 | 948 | 987 | 843 | 682 | 379 |
| 1947 | 737 | 886 | 1,018 | 702 | 450 |
| 1948 | 429 | 1,051 | 876 | 649 | 439 |
| 1949 | 844 | 1,080 | 890 | 666 | 491 |
| 1950 | 645 | 1,064 | 1,096 | 852 | 460 |

# Not previously published; partly estimated on the basis of data furnished by Idaho Water District 36.

Monthly and yearly mean discharge, in cubic feet per second

| Water year | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | The year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1943 | 272 | 136 | 46.1 | [illegible] | | | | [illegible] | 953 | 996 | 772 | 521 | 372 |

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## 13054200 TETON RIVER BELOW BADGER CREEK, NEAR LAMONT, ID

LOCATION.--Lat 43°54'57", long 111°16'52", in NE¼SE¼ sec.20, T.7 N., R.44 E., Teton County, Hydrologic Unit 17040204, on left bank, 300 ft (91 m) below Badger Creek, 0.9 mi (1.4 km) upstream from Bitch Creek, 5.2 mi (8.4 km) northeast of Clementsville, and 5.0 mi (8.0 km) southwest of Lamont.

DRAINAGE AREA.--547 mi² (1,417 km²).

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,360 ft or 1,630 m (from topographic map).

REMARKS.--Records good. Many diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,700 ft³/s (76.5 m³/s) July 7, 1975 (gage height, 6.95 ft or 2.118 m); minimum discharge, 206 ft³/s (5.83 m³/s) Mar. 12, 1976 (gage height, 3.29 ft or 1.003 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,320 ft³/s (65.7 m³/s) June 12 (gage height, 6.57 ft or 2.003 m); minimum discharge, 206 ft³/s (5.83 m³/s) Mar. 12 (gage height, 3.29 ft or 1.003 m).

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used June 10-29, Sept. 27-30)

| | | | |
|---|---|---|---|
| 3.4 | 252 | 6.0 | 1,950 |
| 4.0 | 540 | 7.0 | 2,850 |
| 5.0 | 1,180 | | |

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 562 | 697 | 326 | 282 | 326 | 390 | 420 | 826 | 1920 | 1710 | 863 | 608 |
| 2 | 556 | 649 | 562 | 400 | 349 | 322 | 435 | 692 | 1690 | 1920 | 884 | 588 |
| 3 | 551 | 655 | 649 | 400 | 385 | 367 | 425 | 931 | 1970 | 1840 | 864 | 574 |
| 4 | 546 | 643 | 619 | 400 | 353 | 340 | 440 | 1050 | 2060 | 1680 | 927 | 562 |
| 5 | 540 | 613 | 619 | 395 | 295 | 353 | 512 | 1150 | 2100 | 1610 | 867 | 557 |
| 6 | 540 | 601 | 691 | 367 | 349 | 390 | 614 | 1060 | 2150 | 1570 | 809 | 553 |
| 7 | 534 | 590 | 872 | 400 | 358 | 367 | 643 | 1040 | 2160 | 1600 | 762 | 574 |
| 8 | 562 | 584 | 827 | 390 | 371 | 371 | 846 | 1130 | 2180 | 1580 | 742 | 576 |
| 9 | 573 | 568 | 739 | 400 | 390 | 371 | 963 | 1210 | 2110 | 1560 | 724 | 583 |
| 10 | 562 | 556 | 667 | 390 | 380 | 376 | 878 | 1280 | 2130 | 1540 | 698 | 582 |
| 11 | 554 | 510 | 595 | 376 | 353 | 376 | 1100 | 1420 | 2190 | 1500 | 682 | 573 |
| 12 | 568 | 460 | 562 | 362 | 385 | 308 | 1410 | 1580 | 2290 | 1560 | 656 | 597 |
| 13 | 613 | 480 | 518 | 344 | 376 | 395 | 1300 | 1450 | 2020 | 1610 | 653 | 607 |
| 14 | 661 | 500 | 475 | 380 | 376 | 376 | 1170 | 1530 | 1690 | 1450 | 660 | 586 |
| 15 | 637 | 510 | 460 | 395 | 353 | 367 | 1120 | 1760 | 1520 | 1250 | 656 | 584 |
| 16 | 590 | 560 | 415 | 390 | 367 | 371 | 846 | 1820 | 1340 | 1150 | 749 | 587 |
| 17 | 578 | 620 | 440 | 400 | 322 | 380 | 708 | 1770 | 1420 | 1100 | 718 | 578 |
| 18 | 578 | 600 | 445 | 405 | 340 | 400 | 626 | 1910 | 1490 | 1200 | 686 | 622 |
| 19 | 573 | 570 | 410 | 385 | 353 | 420 | 602 | 2150 | 1410 | 1330 | 729 | 630 |
| 20 | 573 | 520 | 400 | 344 | 358 | 400 | 602 | 2200 | 1380 | 1230 | 688 | 610 |
| 21 | 578 | 480 | 405 | 340 | 376 | 400 | 732 | 2180 | 1570 | 1130 | 654 | 593 |
| 22 | 590 | 490 | 410 | 344 | 358 | 390 | 918 | 2150 | 1870 | 1080 | 643 | 579 |
| 23 | 637 | 500 | 400 | 376 | 367 | 390 | 989 | 2160 | 2000 | 1020 | 678 | 604 |
| 24 | 619 | 480 | 395 | 390 | 380 | 390 | 898 | 2190 | 1880 | 964 | 732 | 586 |
| 25 | 601 | 400 | 405 | 367 | 380 | 425 | 995 | 2110 | 1570 | 935 | 688 | 580 |
| 26 | 643 | 455 | 410 | 344 | 380 | 415 | 905 | 1920 | 1360 | 904 | 656 | 570 |
| 27 | 769 | 475 | 410 | 358 | 385 | 415 | 757 | 1810 | 1280 | 854 | 632 | 563 |
| 28 | 765 | 480 | 336 | 380 | 395 | 410 | 757 | 1880 | 1260 | 812 | 633 | 560 |
| 29 | 661 | 440 | 410 | 376 | 385 | 410 | 820 | 1940 | 1360 | 775 | 621 | 559 |
| 30 | 685 | 372 | 425 | 376 | --- | 395 | 813 | 1970 | 1500 | 786 | 619 | 554 |
| 31 | 715 | --- | 367 | 367 | --- | 400 | --- | 1970 | --- | 802 | 612 | --- |
| TOTAL | 18716 | 16058 | 15664 | 11623 | 10545 | 11880 | 24244 | 50439 | 53070 | 40072 | 22185 | 17481 |
| MEAN | 603 | 535 | 505 | 374 | 363 | 383 | 808 | 1627 | 1769 | 1292 | 715 | 582 |
| MAX | 769 | 697 | 872 | 405 | 395 | 425 | 1410 | 2200 | 2290 | 1920 | 927 | 630 |
| MIN | 534 | 372 | 326 | 282 | 295 | 308 | 420 | 826 | 1260 | 775 | 612 | 553 |
| AC-FT | 37120 | 31850 | 31070 | 23050 | 20920 | 23560 | 48090 | 100000 | 105300 | 79480 | 44000 | 34670 |

CAL YR 1975 TOTAL 266241 MEAN 729 MAX 2670 MIN 230 AC-FT 528100
WTR YR 1976 TOTAL 291977 MEAN 797 MAX 2290 MIN 282 AC-FT 579100

MICROFILMED

DEC 15 1989

## 13054200 Teton River below Badger Creek, near Lamont, Idaho

LOCATION.--Lat 43°54'57", long 111°16'52", in NE¼SE¼ sec.20, T.7 N., R.44 E., Teton County, on left bank, 300 ft (91 m) below Badger Creek, 0.9 mi (1.4 km) upstream from Bitch Creek, 5.2 mi (8.4 km) northeast of Clementsville, and 5.0 mi (8.0 km) southwest of Lamont.

DRAINAGE AREA.--547 sq mi (1,417 sq km).

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,360 ft or 1,630 m (from topographic map).

EXTREMES.--Current year: Maximum discharge, 2,700 cfs (76.5 cu m/s) July 7 (gage height, 6.95 ft or 2.118 m); minimum daily discharge, 230 cfs (6.51 cu m/s) Jan. 28.
Period of record: Maximum discharge, 2,700 cfs (76.5 cu m/s) July 7, 1975 (gage height, 6.95 ft or 2.118 m); minimum daily discharge, 230 cfs (6.51 cu m/s) Jan. 28, 1975.

REMARKS.--Records good. Many diversions above station for irrigation.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used June 17 to July 3; stage-discharge relation affected by ice Dec. 9, 24)

| Oct. 1 to June 17 | | June 18 to Sept. 30 | |
|---|---|---|---|
| 3.3 | 215 | 4.0 | 520 |
| 3.6 | 325 | 5.0 | 1,150 |
| 4.0 | 510 | 6.0 | 1,900 |
| 5.0 | 1,050 | 7.0 | 2,790 |
| 6.0 | 1,650 | | |

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 470 | 560 | 424 | 351 | 350 | 359 | 351 | 527 | 931 | 2020 | 1230 | 619 |
| 2 | 467 | 565 | 418 | 351 | 350 | 382 | 351 | 600 | 1020 | 2120 | 1050 | 615 |
| 3 | 464 | 540 | 426 | 355 | 340 | 398 | 346 | 747 | 1160 | 2190 | 994 | 615 |
| 4 | 504 | 515 | 423 | 364 | 330 | 394 | 350 | 898 | 1370 | 2410 | 937 | 615 |
| 5 | 494 | 495 | 437 | 360 | 310 | 384 | 349 | 685 | 1330 | 2590 | 896 | 612 |
| 6 | 481 | 495 | 444 | 344 | 290 | 396 | 351 | 610 | 1420 | 2660 | 869 | 608 |
| 7 | 480 | 485 | 445 | 291 | 300 | 393 | 362 | 581 | 1670 | 2670 | 851 | 602 |
| 8 | 476 | 485 | 425 | 353 | 320 | 397 | 362 | 611 | 1870 | 2670 | 813 | 590 |
| 9 | 471 | 505 | 390 | 361 | 330 | 412 | 359 | 686 | 1750 | 2610 | 803 | 579 |
| 10 | 500 | 515 | 370 | 361 | 335 | 412 | 357 | 716 | 1450 | 2530 | 789 | 577 |
| 11 | 500 | 500 | 388 | 353 | 340 | 397 | 353 | 897 | 1280 | 2460 | 775 | 582 |
| 12 | 485 | 493 | 403 | 334 | 350 | 378 | 352 | 1040 | 1230 | 2350 | 759 | 579 |
| 13 | 475 | 501 | 401 | 342 | 350 | 382 | 355 | 871 | 1280 | 2220 | 755 | 579 |
| 14 | 465 | 491 | 393 | 349 | 350 | 372 | 362 | 892 | 1410 | 2170 | 751 | 577 |
| 15 | 470 | 487 | 376 | 349 | 345 | 366 | 388 | 863 | 1540 | 2150 | 749 | 575 |
| 16 | 470 | 477 | 417 | 350 | 320 | 370 | 439 | 912 | 1600 | 2040 | 754 | 578 |
| 17 | 470 | 477 | 417 | 350 | 300 | 365 | 460 | 945 | 1520 | 2010 | 759 | 577 |
| 18 | 470 | 478 | 380 | 350 | 290 | 362 | 467 | 960 | 1430 | 2120 | 753 | 573 |
| 19 | 465 | 493 | 362 | 350 | 290 | 376 | 469 | 977 | 1480 | 2010 | 740 | 576 |
| 20 | 470 | 485 | 405 | 340 | 270 | 414 | 509 | 951 | 1270 | 1800 | 721 | 573 |
| 21 | 485 | 480 | 414 | 320 | 267 | 404 | 538 | 791 | 1340 | 1830 | 719 | 570 |
| 22 | 530 | 481 | 325 | 320 | 347 | 395 | 585 | 721 | 1360 | 1780 | 722 | 570 |
| 23 | 530 | 483 | 388 | 330 | 354 | 388 | 652 | 691 | 1340 | 1750 | 746 | 565 |
| 24 | 540 | 475 | 370 | 335 | 355 | 379 | 641 | 658 | 1410 | 1550 | 761 | 562 |
| 25 | 530 | 473 | 380 | 330 | 349 | 379 | 745 | 652 | 1690 | 1400 | 742 | 557 |
| 26 | 500 | 466 | 380 | 300 | 346 | 337 | 706 | 635 | 2030 | 1280 | 710 | 554 |
| 27 | 490 | 458 | 368 | 260 | 357 | 325 | 646 | 641 | 1750 | 1140 | 690 | 545 |
| 28 | 480 | 450 | 383 | 230 | 357 | 343 | 582 | 685 | 1570 | 1060 | 670 | 547 |
| 29 | 475 | 429 | 376 | 270 | --- | 398 | 546 | 704 | 1630 | 1010 | 650 | 545 |
| 30 | 480 | 418 | 354 | 300 | --- | 378 | 524 | 760 | 1830 | 1150 | 631 | 538 |
| 31 | 530 | --- | 357 | 340 | --- | 366 | --- | 855 | --- | 1420 | 624 | --- |
| TOTAL | 15117 | 14655 | 12239 | 10293 | 9192 | 11801 | 13857 | 23762 | 43961 | 61170 | 24413 | 17354 |
| MEAN | 488 | 489 | 395 | 332 | 328 | 381 | 462 | 767 | 1465 | 1973 | 788 | 578 |
| MAX | 540 | 565 | 445 | 364 | 357 | 414 | 745 | 1040 | 2030 | 2670 | 1230 | 619 |
| MIN | 464 | 418 | 325 | 230 | 267 | 325 | 346 | 527 | 931 | 1010 | 624 | 538 |
| AC-FT | 29980 | 29070 | 24280 | 20420 | 18230 | 23410 | 27490 | 47130 | 87200 | 121300 | 48420 | 34420 |

WTR YR 1975 TOTAL 257814 MEAN 706 MAX 2670 MIN 230 AC-FT 511400

DEC 1 5 1989

## 13054200 TETON RIVER BELOW BADGER CREEK, NEAR LAMONT, ID

LOCATION.--Lat 43°54'57", long 111°16'52", in NE¼SE¼ sec.20, T.7 N., R.44 E., Teton County, Hydrologic Unit 17040204, on left bank 300 ft (91 m) below Badger Creek, 0.9 mi (1.4 km) upstream from Bitch Creek, 5.2 mi (8.4 km) northeast of Clementsville, and 5.0 mi (8.0 km) southwest of Lamont.

DRAINAGE AREA.--547 mi² (1,417 km²).

PERIOD OF RECORD.--October 1974 to September 1977 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 5,360 ft or 1,630 m (from topographic map).

REMARKS.--Records fair. Many diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,700 ft³/s (76.5 m³/s) July 7, 1975 (gage height, 6.95 ft or 2.118 m); minimum discharge, 206 ft³/s (5.83 m³/s) Mar. 12, 1976 (gage height, 3.29 ft or 1.003 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,420 ft³/s (40.2 m³/s) Apr. 9 (gage height, 5.38 ft or 1.640 m); minimum discharge, 85 ft³/s (2.41 m³/s) Aug. 14 (gage height, 2.77 ft or 0.844 m).

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Oct. 13 to Dec. 12)

| | | | |
|---|---|---|---|
| 2.7 | 62 | 4.5 | 820 |
| 3.0 | 127 | 5.0 | 1,150 |
| 3.5 | 285 | 5.5 | 1,500 |
| 4.0 | 520 | | |

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 550 | 508 | 405 | 328 | 276 | 295 | 338 | 369 | 380 | 319 | 294 | 309 |
| 2 | 550 | 508 | 392 | 314 | 269 | 282 | 333 | 384 | 388 | 324 | 294 | 305 |
| 3 | 604 | 496 | 393 | 332 | 260 | 284 | 327 | 396 | 434 | 332 | 287 | 301 |
| 4 | 604 | 496 | 386 | 332 | 264 | 297 | 334 | 390 | 479 | 337 | 297 | 297 |
| 5 | 574 | 496 | 394 | 324 | 260 | 296 | 360 | 378 | 502 | 345 | 287 | 293 |
| 6 | 568 | 496 | 390 | 305 | 250 | 302 | 471 | 356 | 573 | 353 | 303 | 293 |
| 7 | 562 | 485 | 392 | 331 | 250 | 307 | 642 | 381 | 717 | 341 | 310 | 289 |
| 8 | 556 | 485 | 391 | 324 | 251 | 306 | 832 | 366 | 815 | 333 | 306 | 286 |
| 9 | 550 | 490 | 404 | 312 | 249 | 303 | 1100 | 356 | 793 | 331 | 287 | 286 |
| 10 | 544 | 485 | 378 | 322 | 246 | 301 | 899 | 351 | 797 | 331 | 273 | 289 |
| 11 | 544 | 473 | 380 | 330 | 254 | 282 | 631 | 392 | 720 | 325 | 272 | 289 |
| 12 | 538 | 468 | 368 | 330 | 256 | 311 | 537 | 381 | 633 | 318 | 272 | 286 |
| 13 | 532 | 462 | 388 | 337 | 259 | 319 | 495 | 352 | 598 | 299 | 273 | 286 |
| 14 | 538 | 462 | 395 | 336 | 261 | 283 | 471 | 346 | 551 | 293 | 264 | 286 |
| 15 | 532 | 456 | 370 | 328 | 265 | 308 | 429 | 377 | 526 | 290 | 265 | 289 |
| 16 | 532 | 445 | 369 | 336 | 275 | 330 | 429 | 380 | 477 | 288 | 254 | 301 |
| 17 | 532 | 445 | 360 | 340 | 275 | 295 | 422 | 404 | 451 | 300 | 250 | 297 |
| 18 | 532 | 462 | 336 | 334 | 273 | 293 | 416 | 404 | 428 | 290 | 254 | 293 |
| 19 | 532 | 461 | 324 | 328 | 275 | 292 | 396 | 416 | 428 | 274 | 272 | 293 |
| 20 | 526 | 457 | 327 | 319 | 277 | 279 | 379 | 520 | 417 | 273 | 272 | 293 |
| 21 | 520 | 445 | 330 | 296 | 287 | 363 | 373 | 476 | 401 | 293 | 272 | 297 |
| 22 | 526 | 440 | 332 | 322 | 301 | 329 | 365 | 417 | 393 | 306 | 279 | 301 |
| 23 | 526 | 442 | 336 | 305 | 289 | 319 | 366 | 417 | 378 | 296 | 282 | 313 |
| 24 | 514 | 438 | 339 | 302 | 286 | 356 | 383 | 418 | 360 | 322 | 268 | 313 |
| 25 | 520 | 441 | 340 | 285 | 286 | 349 | 393 | 436 | 355 | 422 | 279 | 313 |
| 26 | 532 | 376 | 352 | 296 | 282 | 349 | 374 | 464 | 350 | 370 | 329 | 305 |
| 27 | 526 | 289 | 352 | 297 | 246 | 345 | 376 | 456 | 337 | 345 | 349 | 301 |
| 28 | 520 | 413 | 328 | 284 | 297 | 337 | 373 | 441 | 336 | 331 | 329 | 293 |
| 29 | 514 | 413 | 314 | 281 | --- | 339 | 384 | 416 | 318 | 320 | 321 | 293 |
| 30 | 508 | 402 | 315 | 275 | --- | 323 | 372 | 404 | 310 | 306 | 317 | 305 |
| 31 | 508 | --- | 313 | 272 | --- | 337 | --- | 391 | --- | 299 | 317 | --- |
| TOTAL | 16714 | 13635 | 11193 | 9769 | 7519 | 9711 | 14000 | 12447 | 14645 | 9906 | 8928 | 8895 |
| MEAN | 539 | 455 | 361 | 315 | 269 | 313 | 467 | 402 | 488 | 320 | 288 | 297 |
| MAX | 604 | 508 | 405 | 340 | 301 | 363 | 1100 | 520 | 815 | 422 | 349 | 313 |
| MIN | 508 | 289 | 313 | 272 | 246 | 279 | 327 | 346 | 310 | 273 | 250 | 286 |
| AC-FT | 33150 | 27050 | 22200 | 19380 | 14910 | 19260 | 27770 | 24690 | 29050 | 19650 | 17710 | 17640 |

CAL YR 1976 TOTAL 283081 MEAN 773 MAX 2290 MIN 282 AC-FT 561500
WTR YR 1977 TOTAL 137362 MEAN 376 MAX 1100 MIN 246 AC-FT 272500

MICROFILMED
DEC 15 1989

CH2M HILL

SUBJECT Teton Dam
Flood Info from USBR

DATE

SHEET NO. ____ OF ____

PROJECT NO.

DA = 840 mi²

22,400 cfs In Adopted Inflow design flood

Diversions at construction

~~UNIFORM TE change~~

Winter Flood

25 - 5020

10 - 3230

5 - 2280

Spring Floods

25 5000

10 4550

5 4090

MICROFILMED
DEC 15 1989

CH2M HILL

SUBJECT _____ BY _____ DATE _____

_____ S. T NO. _____ OF _____

_____ PROJECT NO. _____

# Flood Hydrology for FEL T Hydrology

Teton near Tetonia DA = 471 plotted straight line

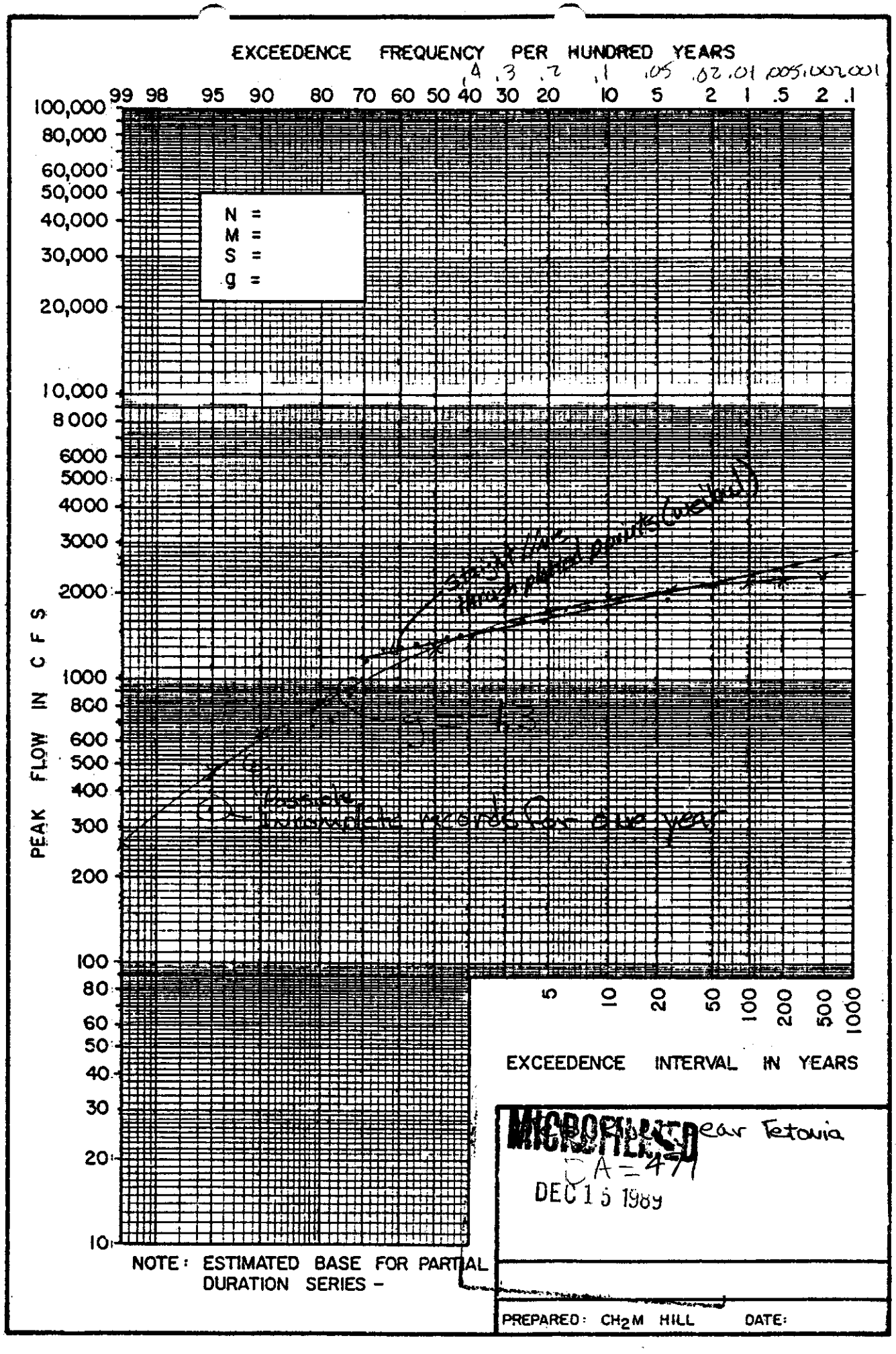
| | | cfs/mi² | |
|---|---|---|---|
| $Q_{10}$ | 1825 | 3.87 | .16 |
| $Q_{50}$ | 2175 | 4.62 | |
| $Q_{100}$ | 2325 | 4.36 | |
| $Q_{200}$ | 2500 | 5.31 | |
| $Q_{500}$ | 2750 | 5.84 | |

Teton near St Anthony 891 $g = -0.4$ 21%

| | | |
|---|---|---|
| $Q_{10}$ | 5220 | 5,85 |
| $Q_{50}$ | 6590 | 7,40 |
| $Q_{100}$ | 7110 | 7.98 |
| $Q_{200}$ | 7590 | 8.52 |
| $Q_{500}$ | 8200 | 9,20 |

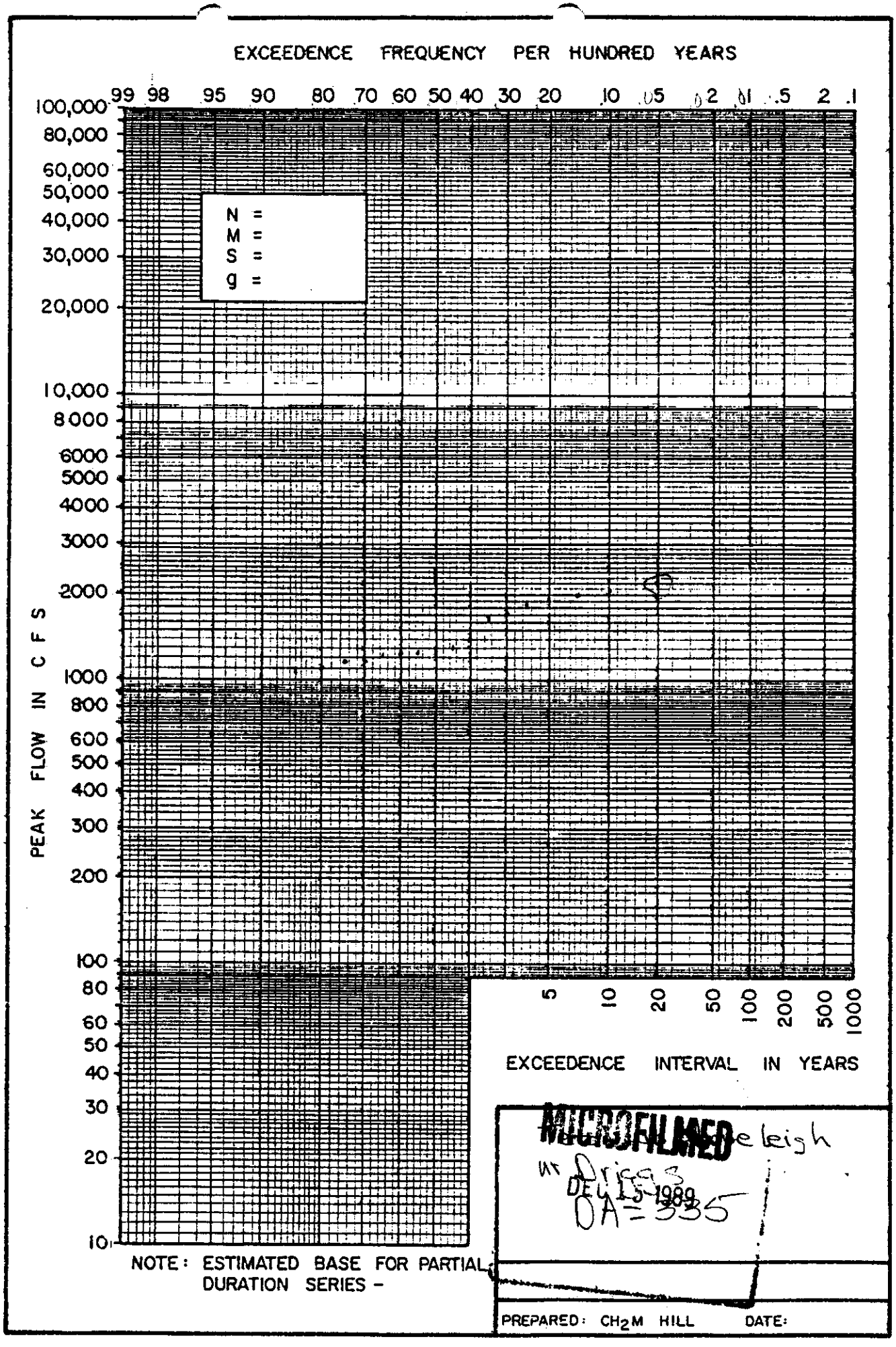
MICROFILMED

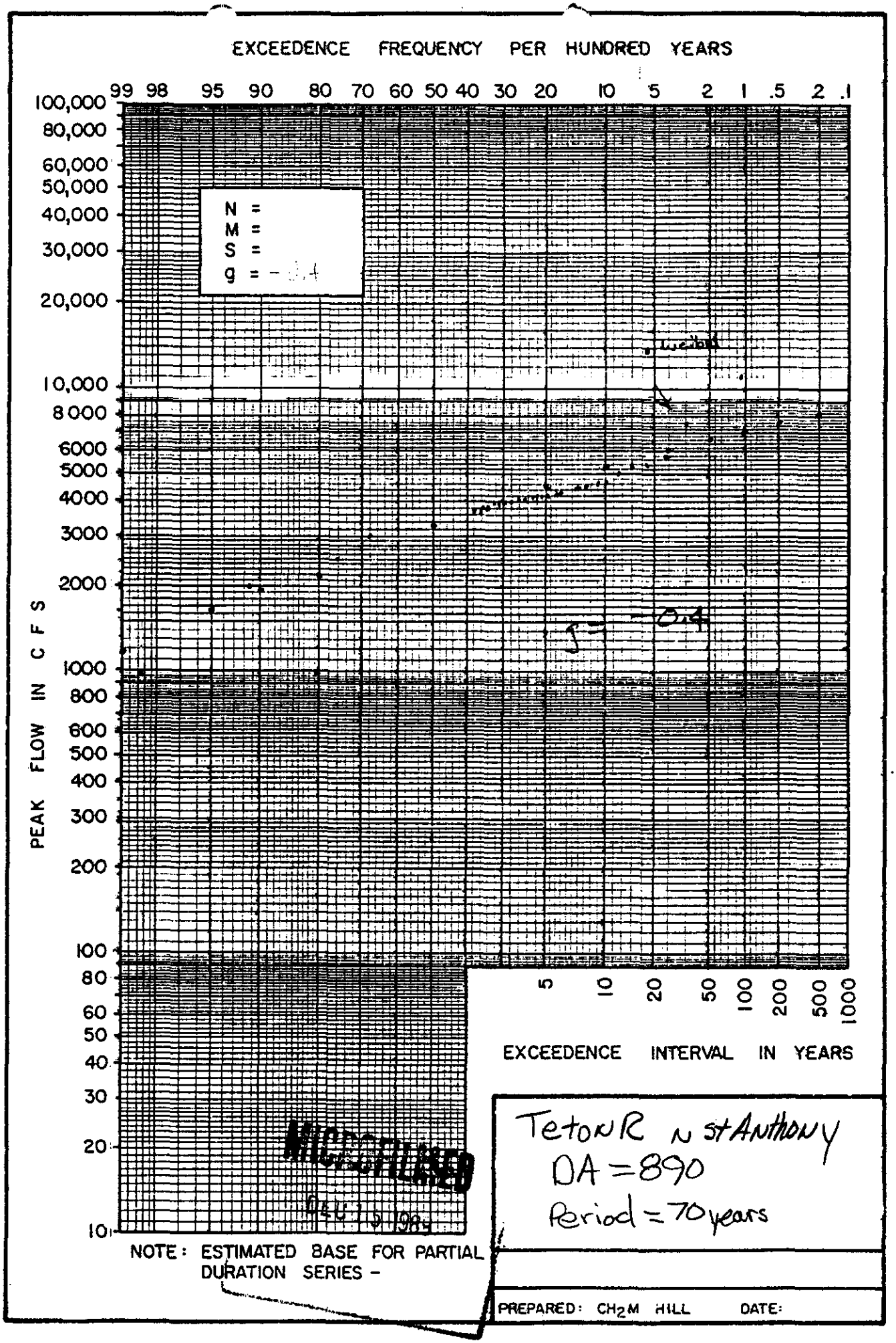
DEC 15 1989

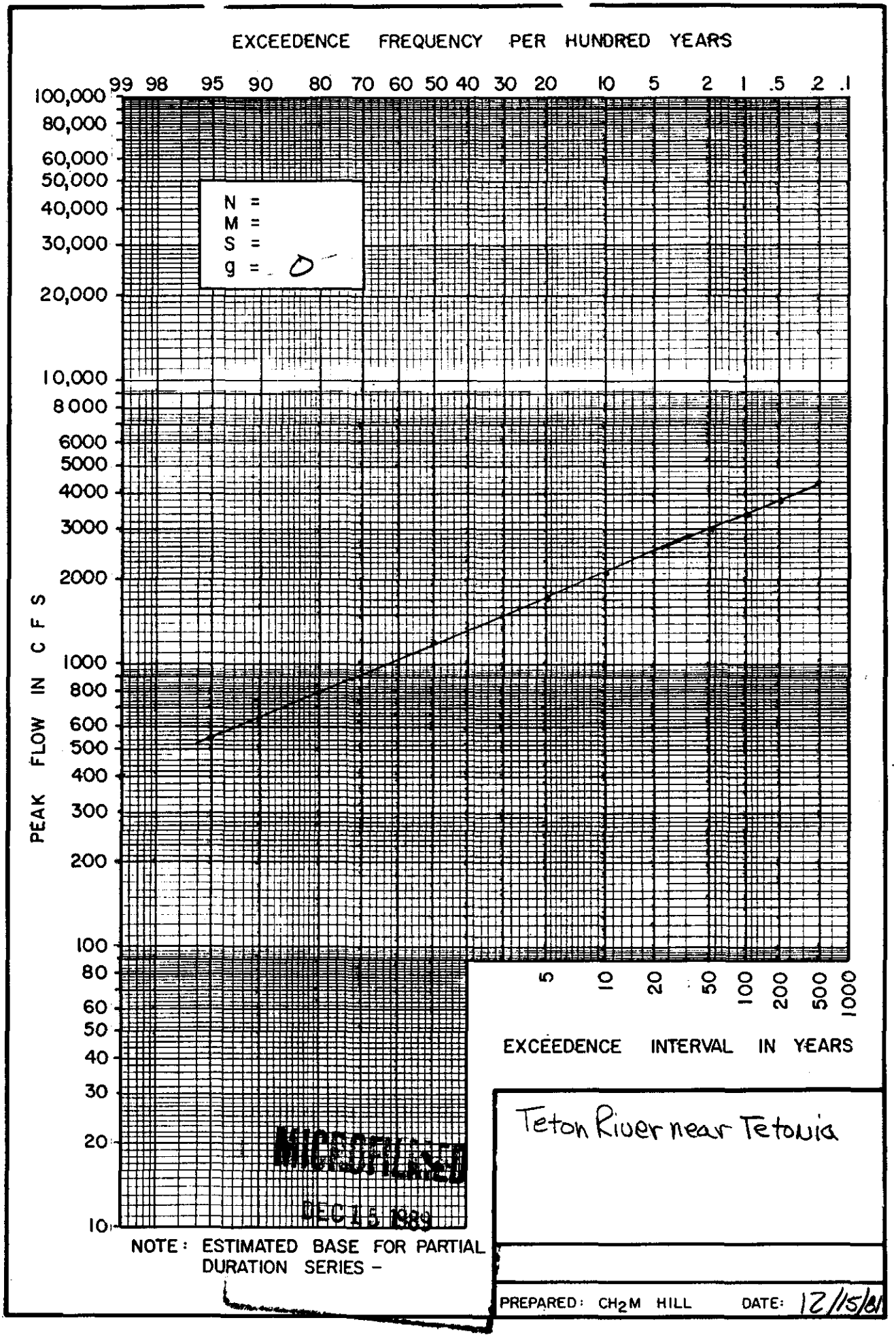


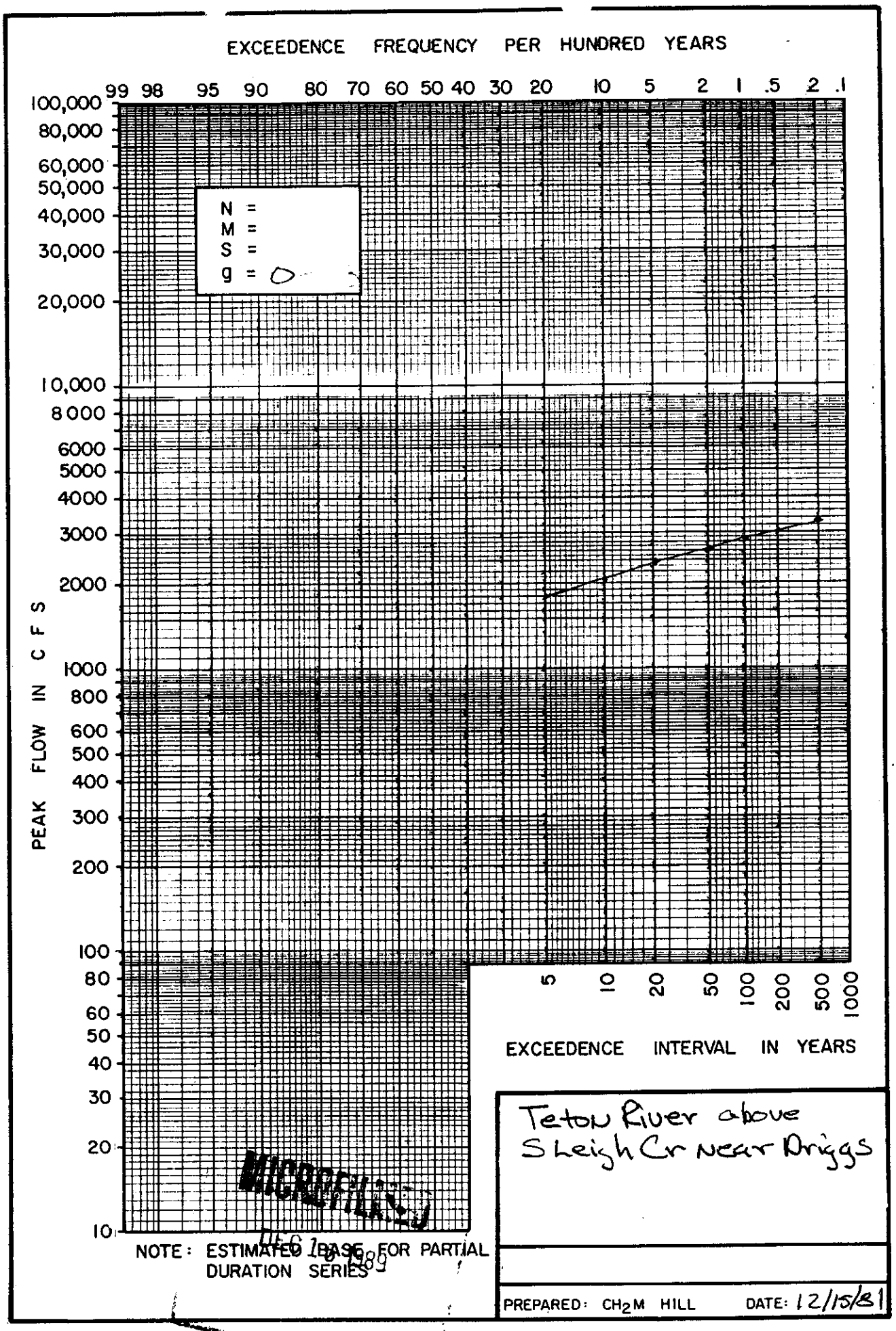

near Petaluma

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DA-477
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EXCEEDENCE FREQUENCY PER HUNDRED YEARS
99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 .5 .2 .1
100,000
80,000
60,000
50,000
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8000
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5000
4000
3000
2000
1000
800
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300
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80
60
50
40
30
20
10
PEAK FLOW IN C F S
N =
M =
S =
g =
5 10 20 50 100 200 500 1000
EXCEEDENCE INTERVAL IN YEARS
NOTE: ESTIMATED BASE FOR PARTIAL DURATION SERIES -
MICROFILMED
DEC 15 1989
PREPARED: CH2M HILL
DATE:


EXCEEDENCE FREQUENCY PER HUNDRED YEARS
99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 .5 2 .1
100,000
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PEAK FLOW IN C F S
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g = -0.4
Lucibel
g = -0.4
5 10 20 50 100 200 500 1000
EXCEEDENCE INTERVAL IN YEARS
NOTE: ESTIMATED BASE FOR PARTIAL DURATION SERIES -
MICROFILMED
AUG 9 1984
Teton R N St Anthony
DA = 890
Period = 70 years
PREPARED: CH2M HILL DATE:


EXCEEDENCE FREQUENCY PER HUNDRED YEARS
99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 .5 .2 .1
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80,000
60,000
50,000
40,000
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10,000
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6000
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4000
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2000
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800
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500
400
300
200
100
80
60
50
40
30
20
10
N =
M =
S =
g = 0
PEAK FLOW IN C F S
5 10 20 50 100 200 500 1000
EXCEEDENCE INTERVAL IN YEARS
MICROFILMED
DEC 15 1989
NOTE: ESTIMATED BASE FOR PARTIAL DURATION SERIES -
Teton River near Tetonia
PREPARED: CH2M HILL
DATE: 12/15/81


EXCEEDENCE FREQUENCY PER HUNDRED YEARS
99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 .5 .2 .1
100,000
80,000
60,000
50,000
40,000
30,000
20,000
10,000
8000
6000
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4000
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2000
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500
400
300
200
100
80
60
50
40
30
20
10
N =
M =
S =
g = 0
PEAK FLOW IN CFS
5 10 20 50 100 200 500 1000
EXCEEDENCE INTERVAL IN YEARS
NOTE: ESTIMATED BASE FOR PARTIAL DURATION SERIES
Teton River above Sheigh Cr near Driggs
PREPARED: CH2M HILL DATE: 12/15/81

CH2M HILL

SUBJECT _____ BY _____ DATE _____

_____ S. T NO. ____ OF ____

_____ PROJECT NO. _____

Teton River near tetonia DA = 471, 22 years of peak data

| Date | Year | Peak Flow |
|---|---|---|
| Mar 22 1930 | 1930 | 695 |
| Oct 9 1930 | 1931 | 508 |
| June 27, 1932 | 1932 | 1,500 |
| June 8, 1934 | 1934 | 344 |
| June 9, 1940 | 1940 | 716 |
| June 18, 1941 | 1941 | 1300. |
| June 9, 1942 | 1942 | 1880 |
| June 23, 1943 | 1943 | 1590 |
| June 28, 1944 | 1944 | 1820 |
| " 28, 1945 | 1945 | 1900 |
| " 12, 1946 | 1946 | 896 |
| " 10, 1947 | 1947 | 1330 |
| May 30, 1948 | 1948 | 1350 |
| May 19, 1949 | 1949 | 1510 |
| July 8 1950 | 1950 | 1440 |
| May 30 1951 | 1951 | 1400 |
| June 8 1952 | 1952 | 1280 |
| June 20 1953 | 1953 | 1420 |
| June 28 1954 | 1954 | 1160 |
| June 16 1955 | 1955 | 682 |
| June 3 1956 | 1956 | 1590 |
| June 7 1957 | 1957 | 1800 |

March 27, 1940 - 736 - 303 sq mi.

$\bar{X} = 1277$

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DEC 15 1989

CH2M HILL

SUBJECT _____ BY _____ DATE _____

_____ SHEET NO. _____ OF _____

_____ PROJECT NO. _____

Teton R ab S Leigh Cr nr Driggs DA = 335

T@ Badger

| | | | | |
|---|---|---|---|---|
| July 14 1962 | 1080 | | | |
| June 18 1963 | 1250 | | | |
| June 18 1964 | 2050 | | | |
| June 26, 1965 | 1050 | | | |
| April 2, 1966 | 645 | | | |
| June 29, 1967 | 1,840 | | | |
| June 21, 1968 | 1,300 | | | |
| April 6, 1969 | 1,170 | | | |
| June 29, 1970 | 1,720 | | | |
| June 25, 1971 | 1,960 | | | |
| June 9, 1972 | 1650 | | | |
| June 15, 1973 | 1100 | | | |
| June 18, 1974 | 2,270 | | | teton dam |
| July 8, 1975 | 2,080 | July 7 | 2700 | |
| June 12, 1976 | 1400 | June 12 | 2320 | |
| Apr 8, 1977 | 1270 | April 9 | 1420 | 1290 Apr 9 |
| June 30, 1978 | 1280 | | | |
| May 29, 1979 | 1160 | | | |
| May 24, 1980 | 1230 | 19 years | | |

$\bar{x} = 1448$

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## Teton River near Tetonia, Idaho

Location.--Lat 43°51', long 111°15', in sec. 15, T. 6 N., R. 44 E., on right bank 1½ miles downstream from highway bridge, 4 miles downstream from Packsaddle Creek, and 6 miles northwest of Tetonia.

Drainage area.--471 sq mi.

Records available.--October 1929 to December 1932, May to September 1934, July to September 1935, July to September 1936, July to September 1937, May to September 1940, June 1941 to October 1957 (discontinued). Monthly discharge only for some periods, published in WSP 1317.

Gage.--Water-stage recorder. Datum of gage is 5,910.3 ft above mean sea level, unadjusted. Since November 1941, supplemental staff gage at site 1½ miles upstream.

Average discharge.--19 years (1929-32, 1941-57), 393 cfs (284,500 acre-ft per year).

Extremes.--Maximum discharge during year, 1,800 cfs June 7 (gage height, 2.75 ft); minimum daily, 173 cfs Jan. 27 to Feb. 6.
1929-32, 1934-35, 1940-57: Maximum discharge observed, 1,900 cfs June 28, 1945 (gage height, 2.97 ft); minimum observed, 62 cfs Jan. 16, 17, 1943.

Remarks.--Records good except those for periods of ice effect or no gage-height record, which are fair. Many diversions from tributaries above station for irrigation.

Revisions.--WSP 1217: Drainage area.

Discharge, in cubic feet per second, water year October 1956 to September 1957

| Day | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 349 | 359 | 265 | 205 | 173 | 560 | 440 | 344 | 1,280 | 1,300 | 635 | 545 |
| 2 | 339 | 340 | 265 | 205 | 173 | 443 | 360 | 339 | 1,390 | 1,310 | 609 | 527 |
| 3 | 334 | 330 | 260 | 205 | 173 | 380 | 360 | 339 | 1,460 | 1,320 | 596 | 496 |
| 4 | 329 | 324 | 260 | 198 | 173 | 330 | 360 | 364 | 1,580 | 1,260 | 596 | 472 |
| 5 | 339 | 324 | 255 | 195 | 173 | 300 | 360 | 419 | 1,640 | 1,210 | 583 | 460 |
| 6 | 334 | 344 | 255 | 195 | 173 | *266 | 370 | 414 | 1,730 | 1,130 | 570 | 448 |
| 7 | 334 | 414 | 255 | 195 | 178 | 265 | 370 | 425 | 1,780 | 1,130 | 552 | 443 |
| 8 | 329 | 397 | 255 | 195 | 180 | 295 | 360 | 448 | 1,740 | 1,100 | 552 | 437 |
| 9 | 334 | 380 | 255 | 195 | 190 | 419 | 350 | 480 | 1,600 | 1,020 | 545 | 425 |
| 10 | 344 | 380 | 255 | 195 | 195 | 550 | 386 | 490 | 1,500 | 1,000 | 533 | 425 |
| 11 | 359 | 402 | 255 | 195 | 200 | 345 | 431 | 496 | 1,340 | *1,030 | 527 | *425 |
| 12 | 359 | 386 | 255 | 195 | 200 | 340 | *460 | 738 | 1,210 | 1,130 | *535 | 419 |
| 13 | 344 | 364 | 255 | 195 | 200 | 280 | 502 | 787 | *1,110 | 1,090 | 527 | 414 |
| 14 | 354 | 340 | 255 | 195 | 200 | 240 | 552 | 661 | 1,090 | 1,030 | 521 | 414 |
| 15 | 344 | 320 | 255 | 195 | 200 | 246 | 564 | 710 | 1,010 | 1,030 | 515 | 408 |
| 16 | 334 | 326 | 255 | 190 | 205 | 246 | 515 | *655 | 962 | 977 | 527 | 408 |
| 17 | 329 | 350 | 250 | 190 | 205 | 246 | 484 | 615 | 939 | 947 | 515 | 402 |
| 18 | 329 | 330 | 235 | 190 | 210 | 246 | 466 | 628 | 801 | 902 | 496 | 397 |
| 19 | 329 | 290 | 220 | 190 | 210 | 260 | 431 | 717 | 731 | 866 | 478 | 425 |
| 20 | 334 | 260 | *205 | 190 | 220 | 300 | 419 | 615 | 724 | 880 | 486 | 443 |
| 21 | 329 | 290 | 205 | 190 | 220 | 350 | 408 | 984 | 954 | 895 | 466 | 443 |
| 22 | 319 | 290 | 205 | 190 | 220 | 280 | 402 | 910 | 1,010 | 858 | 466 | 425 |
| 23 | 324 | 285 | 205 | 190 | 250 | 250 | 419 | 738 | 902 | 815 | 466 | 414 |
| 24 | 364 | 280 | 205 | 190 | 380 | 225 | 443 | 682 | 844 | 766 | 466 | 402 |
| 25 | 349 | 280 | 205 | 185 | 620 | 220 | 397 | 661 | 844 | 731 | 460 | 397 |
| 26 | 359 | 280 | 205 | 175 | 710 | 220 | 392 | 642 | 902 | 689 | 472 | 380 |
| 27 | 443 | 275 | 205 | 173 | 790 | 220 | 375 | 642 | 917 | 682 | 496 | 380 |
| 28 | 443 | 273 | 205 | 173 | 740 | 230 | 359 | 703 | 1,010 | 648 | 496 | 370 |
| 29 | 392 | *272 | 205 | 173 | - | 280 | 349 | 837 | 1,100 | 642 | 521 | 370 |
| 30 | *364 | 270 | 205 | 173 | ------- | 443 | 339 | 992 | 1,210 | 655 | 521 | 364 |
| 31 | 370 | ------- | 205 | 173 | ------- | 460 | ------- | 1,140 | ------- | 655 | 515 | ------- |
| Total | 10,786 | 9,755 | 7,275 | 5,893 | 7,761 | 9,715 | 12,423 | 19,795 | 35,310 | 29,698 | 16,221 | 12,778 |
| Mean | 348 | 325 | 235 | 190 | 277 | 313 | 414 | 639 | 1,177 | 958 | 523 | 426 |
| Ac-ft | 21,410 | 19,350 | 14,430 | 11,690 | 15,390 | 19,270 | 24,640 | 39,260 | 70,040 | 58,910 | 32,170 | 25,340 |

Calendar year 1956: Max 1,570 Min 160 Mean 449 Ac-ft 325,800
Water year 1956-57: Max 1,780 Min 173 Mean 486 Ac-ft 351,900

* Discharge measurement made on this day.
Note.--No gage-height record Dec. 31 to Apr. 9 (stage-discharge relation affected by ice Nov. 2-4, Nov. 14 to Feb. 25); discharge estimated on basis of 5 discharge measurements, weekly readings on supplementary staff gage, weather records, and records for station near St. Anthony.

Discharge, in cubic feet per second, 1957

| | | | |
|---|---|---|---|
| Oct. 1 | 364 | Oct. 5 | 419 |
| 2 | 364 | 6 | 392 |
| 3 | 375 | 7 | 380 |
| 4 | 431 | 8 | *375 |

* Discharge measurement made on this day.

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DEC 13 1989

J. MAX MORTENSEN, CHAIRMAN LORIN C. YOUNG, SECRETARY DALE L. SWENSEN, TREAS.-ASST. SEC.

RECEIVED
OCT 26 19
Department of Water Resources
Eastern District Office

# FREMONT-MADISON IRRIGATION DISTRICT

P. O. BOX 5
ST. ANTHONY, IDAHO 83445

BOARD MEMBERS
LORIN C. YOUNG
JAMES MAX MORTENSEN
G. EMERY DAVIS

BOARD MEMBERS
NORMAN HILLAM
LELAND E. CLARK
RONNIE ARD
LORIN KAUER

October 25, 1984

RECEIVED
NOV 1 1984
Department of Water Resources

Ron Carlson, Watermaster
Water District 01
150 Shoup, Suite 15
Idaho Falls, Idaho 83402

Dear Ron:

This letter is in response to your request for information on the amount of storage water that is allocated to water users located in the stretches of Fall River and Teton River for which minimum stream flows have been proposed.

According to our records the following storage has been assigned:

| | Owned Storage | Rented Storage |
|---|---|---|
| Fall River: | | |
| Enterprise Irrig. Dist. | | |
| (Island Park Res.) | 10,233 Acre-feet | |
| (American Falls & Jackson) | 14,965 " | |
| Fall River Canal | 7,656 " | |
| Chester Canal | 1,844 " | |
| Silkey Ditch | 435 " | |
| Curr Ditch | 45 " | |
| Gail Blanchard | 5 " | |
| Travis Potter | 30 " | |
| K.R. Henry | 189 " | |
| Dan Reynolds | 180 " | 200 Acre-feet |
| Donald Potter | 50 " | |
| Total | 35,632 " | 200 " |
| Teton River: | | |
| Teton Pipeline | 292 " | 1,500 " |
| Hibbert Farms | 120 " | |
| Ray Brown | 114 " | |
| Shayne Linderman | 270 " | |
| P.L. Stott | 12 " | |
| Total | 808 " | 1,500 " |

I don't have a map or records of points of diversion for the upper Teton River so some of the storage I've shown on the Teton River may not be within the stretch of river under consideration. Please use your records and knowledge to separate out the storage that does not apply.

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If you have any questions please give me a call.

Sincerely,

Dale

Dale L. Swensen

**FALL RIVER**
*Rural Electric Cooperative, Inc.*

714 MAIN STREET • P. O. BOX AE • ASHTON, IDAHO 83420 • [208] 652-7431

RECEIVED
OCT 15 1984
Department of Water Resources

22-7369

October 3, 1984

Director
Department of Water Resources
Broadbent Business Park
92 South Cole Road
Boise, Idaho 83709

NCY, DRT

Re: Minimum Stream Flows Proposed for the Teton River;
Also, Fall River Rural Electric Cooperative, Inc's Application for Additonal Water Rights on the Teton River at the Proposed Felt Power Plant Site

Dear Sir:

As you are aware, Fall River Rural Electric Cooperative, Inc. (hereafter called Fall River Electric), has non-consumptive water rights or approved permits for 600 cfs at the Felt Power Plant site, which will be used in the development of a new plant at that existing site.

Our most recent water right application for 300 cfs was filed on March 18, 1981, and was protested by the Department of Fish and Game. Their protest was based on the anticipation of establishing a minimum stream flow for the Teton River of 106 cfs. Following the application of Fall River Electric on March 18, 1981, the Department of Fish and Game made a request to the Water Resources Board in an attempt to establish the minimum stream flow in the Teton River.

In order to resolve the water right protest submitted by the Department of Fish and Game, Fall River Electric began negotiations on its application. It was the opinion of Fall River Electric that the establishment of minimum stream flows on the Teton River were in order; however, we questioned the effectiveness of the 106 cfs minimum flow proposal in all areas of the river. Consequently, we invited the Department of Fish and Game to analyze the section of river which would be affected by the operation of the new Felt Power Plant. It was determined that, based upon the steam flow records over the past 50 years, the high seasonal water velocity between the dam and the tailrace scours this area annually. The natural flows therefore do not provide suitable substrata for aquatic organisms. The Idaho Fish and Game recognizes that this stretch of the river has a steeper gradient than those occuring upstream, where the 106 cfs may be more applicable, a[illegible] fish typically

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DEC 15 1989

move downstream. Following the "in field survey" it was determined by the Idaho Fish and Game that to maintain the excellent trout fishery behind the impediment and to allow for downstream fish passage and pool flushing, a minimum instream flow of 20 cfs between the dam and the proposed powerhouse tailrace would be required. This minimum stream flow was established through a very detailed and successful effort between Fall River Electric and the IDFG. The procedure implemented was as follows:

Fall River suggested a field trip during which it would regulate the river flow at the diversion dam so all concerned could examine the river at several stages. The trip would have to occur during Februrary before the spring flows exceeded the existing turbine capacity so all flow could be diverted through the power plant. IDFG welcomed the suggestion and the trip took place February 9, 1982. Four representatives from IDFG attended, as did one representative from the U.S. Fish and Wildlife Service.

The demonstration was conducted as follows:

A. The preceding night Fall River shut down the power plant and spilled all the river flow (approximately 260 cfs) in order to wash the accumulated snow out of the channel and provide the best view of river conditions.

B. Before the demonstration began, Fall River restarted the plant and resumed diverting all flow through the plant so at the beginning, flow through the dam was negligible.

C. IDFG deployed their personnel along the river at critical points.

D. The sluice gate was opened a measured amount to release 10 cfs and sufficient time was allowed for the flow to stabilize throughout the reach. After all observers were satisfied, the flow was increased and the process repeated. Observations were made at discharges of 0, 10, 20, 30, 50, and 100 cfs.

The experiment was totally successful and concluded with agreement between Fall River and IDFG on all major points of dispute. Terms of the agreement are as follows:

1. Fall River will construct a fish ladder capable of operating with flow in the range of 10 to 30 cfs. IDFG will furnish design criteria and review the design of the ladder.

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2. The minimum flows release from the dam will be 20 cfs except for 3 months each year during the period of cutthroat trout spawning migration, when the minimum flow release will be 50 cfs. One of the 3 months of 50 cfs minimum flow will be June, which is normally the highest flow month. The 50 cfs flow may not be required throughout all the 3 months to provide for upstream fish passage. IDFG will conduct studies to more closely identify the time frame in the spring during which the cutthroat trout spawning migration takes place.

3. Fall River will pay IDFG a lump sum to provide for mitigation of turbine mortality. IDFG will make estimates of the expected mortality and amount of mitigation.

4. IDFG will break up a few large boulders in the channel to facilitate fish passage. This work will be funded by Fall River.

5. The public will be allowed to walk down the power plant access road for fishing or other recreational purposes; however, the road will not be suitable for public vehicle traffic. Fall River will provide a parking area near the Badger Substation.

6. Fish screens at the penstock intakes will not be required.

With the conclusion of the above agreement, all environmental issues have now been resolved and no known opposition to the project remains.

I have enclosed a letter from Mr. Jerry M. Conley, Director of the Department of Fish and Game, dated Feburary 16, 1982. He concurs with the agreement as attached to his letter.

Based upon Mr. Conley's letter of 2/16/82, Fall River Electric has implimented its plan to develop the existing project site with the new improvements as proposed. However, Fall River has designed the project such that it has the operating capability to utilize all available stream flows except for the minimum flow of 20 cfs and the flush flow of 50 cfs as scheduled according to the above referenced letter. The project will be operated such that these minimum flows will be guaranteed as long as the flow into the project boundary is adequate to sustain these minimums.

However, because of discussion[illegible] meeting with the Water

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Resource Board concerning the Fish and Game request for a minimum stream flow on the Teton River in the area of our power plant, we became concerned that the cfs minimum flow agreed upon between Fall River Electric and IDFG within our project boundary may be affected. According to the Fish and Game official present at the meeting, the 106 cfs minimum flow would affect the stretch of river in our project boundary. He claimed that any water above our legal 600 cfs up to 706 cfs would not be available for use by our project, as it would be required to fulfill the minimum stream flow of 106 cfs. As you can appreciate, this is not the same agreement as the one Fall River Electric negotiated and agreed upon with Mr. Conley. As we have not entertained any subsequent negotiations pertaining to the minimum stream flows with the Fish and Game Department, and as the minimum stream flow figures as stated above have been published in the Federal Register, we are proceeding with the plan for project operation as originally agreed.

In an attempt to clarify our initial agreement with the Fish and Game Department, who is initiating the request for minimum stream flows, Fall River Electric has made application for an additional 80 cfs at the project location. We feel that since the Fish and Game Department is initiating the request for minimum stream flows, obviously their request was not intended to conflict with the stream flows previously agreed upon as discussed. Therefore, we suggest that their request be amended to include provisions which will address and recognize this previous agreement.

We hope that this letter will clarify our position in the matter, and will assist in the resolution of the apparent misunderstanding.

Sincerely,

Chuck

C. L. Dawsey
Manager, Engineering & Operations

CLD:lb

Enclosures

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DEC 1 5 1989

NOTICE OF PUBLIC MEETING

Notice is hereby given that an informal public meeting will be conducted by the Idaho Water Resource Board on Wednesday, September 26, 1984 at 7:30 p.m. in the Courtroom, Fremont County Courthouse, St. Anthony, Idaho to receive comments on minimum streamflow applications as follows:

No. 21-7281 proposing the appropriation of 140 cfs of water from Fall River tributary to Henry's Fork Snake River. The location of the reach is the NE¼SE¼, Sec. 14, T. 8N, R. 41E, upstream approximately 8 miles to State Highway 32 in the SE¼NW¼, Sec. 18, T. 8N, R. 43E.

No. 21-7283 proposing the appropriation of 141 cfs from Warm River tributary to Henry's Fork Snake River. The location of the reach is the NW¼NW¼, Sec. 13, T. 9N, R. 43E, upstream approximately 1/2 mile to State Highway 47 in the SW¼SE¼, Sec. 12, T. 9N, R. 43E, B.M., both in Fremont County.

On Thursday, September 27, 1984 at 7:30 p.m. in the Courtroom, Teton County Courthouse, Driggs, Idaho an additional public meeting will be held to receive comments on minimum streamflow applications as follows:

No. 22-7369 proposing the appropriation of 106 cfs from the Teton River tributary to Henry's Fork Snake River. The location of the reach is the NW¼NE¼, Sec. 20, T. 7N, R. 44E, upstream approximately 9 miles to State Highway 33 in the SE¼SW¼, Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from Bitch Creek tributary to Teton River. The location of the reach is the NW¼NE¼, Sec. 20, T. 7N, R. 44E, upstream approximately 6 miles to State Highway 32 in the NW¼NW¼, Sec. 17, T. 7N, R. 45E, B.M., both in Teton County.

All of the above applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

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DEC 15 1989

A. KENNETH DUNN
Director

Published in the Ashton Herald, Fremont County Chronicle, Post Register, Teton Valley News on September 13 and 20, 1984

INTER-DEPARTMENT MEMO — 1

FROM Dave Tuthill

DATE 8/8/84

TO Ernie Carlson / Colleen Wray

SUBJECT Attached

Here is the agenda for the IWRB meetings & the proposed agenda for our hearings for the 4 remaining MSF apps. Please plan to advertise the meetings both by formal publication & by news release (which Kay Weaver will prepare). We will plan to send indiv notification to riparian owners & waterusers. Colleen – Could you also arrange meeting places? Thanks, Dave

SIGNATURE

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| Water Right No. | Stream | County | Date | Time | Location | Type of Meeting |
|---|---|---|---|---|---|---|
| 21-7281<br>21-7283 | Fall River<br>Warm River | Fremont<br>Fremont | Wed<br>Sept. 26 | 7:30 pm | St. Anthony | Public Meeting<br>Held by IWRB |
| 22-7369<br>22-7370 | Teton River<br>Bitch Creek | Teton<br>Fremont/Teton | Thurs<br>Sept. 27 | 7:30 pm* | Driggs | Public Meeting<br>Held by IWRB |
| 21-7281<br>21-7283 | Fall River<br>Warm River | Fremont<br>Fremont | Wed<br>Nov. 28 | 8:00 am<br>1:00 pm | St. Anthony | Hearing Held<br>by IDWR |
| 22-7369<br>22-7370 | Teton River<br>Bitch Creek | Teton<br>Fremont/Teton | Thurs<br>Nov. 29 | 8:00 am<br>1:00 pm | Driggs | Hearing Held<br>by IDWR |
| 37-7919 | Big Wood River | Blaine | To Be Determined | | Hailey | Hearing Held<br>by IDWR |

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DEC 1

* Spend the day viewing MSF's on Fall River, Warm River, Teton River and Bitch Creek.

# MINIMUM STREAMFLOW REQUEST/APPLICATION

## PROCESSING CHECKLIST

| | ASSIGNED TO | INITIALS/DATE |
|---|---|---|
| 1. Request received and checklist attached. | Receptionist | RG |
| 2. Request indexed. | Records Chief | RG |
| 3. Preliminary review. Application prepared for signature. | Section Supv. | LGS |
| 4. Streamflow information requested from hydrology. | Section Supv. | DRT / 8/8/84 |
| 5. Region advised of request. | Section Supv. | 6/81 |
| 6. Acknowledgment letter sent. | Section Supv. | VERBAL |
| 7. Copy of request routed to: Reg. Off. Bur. Chief; Oper. Bur. Chief; Admin.; Director. | Records Chief | RG |
| 8. Copy of request routed to Administrator, Resources Analysis Division for placement on Board Agenda. | Records Chief | RG |
| 9. Water Rights researched & abstracted. | Records Chief | RG 8/17/84 |
| 10. Visual aid request prepared. | Section Supv. | |
| 11. Visual aid reviewed. | Section Supv. | |
| 12. Request and related data presented to Board. | Administrator, Res. Admin. Div. | LGS |
| 13. Filed or Rejected by Board. | Sec. Supv. et.al. | LGS |
| 14. Board action indexed. | Records Chief | RG |
| 15. Original application sent to region. | Records Chief | RG |
| 16. Copy of application sent to F&G, H&W, Parks & Recreation (mandatory) | Region | Requested Region to do so on 8/29 KW / DRT 7/10/81 |
| 17. Notice sent to each water right holder or applicant on MSF reach. | Sec. Supv. | — |
| 18. Application advertised w/o hearing date. | Region | ✓ |
| 19. Personal contact made with riparian land owners. | Requestor | NA |
| 20. Need for informal public meeting determined. If yes, proceed with step 21. If no, skip to step 24. | Both Administrators & IWRB | Yes DRT |
| 21. Informal public meeting advertised in legal notices. | Region | Requested Region to do so DRT |
| 22. Notification of informal public meeting sent to: | | |
| a. IWRB members | Section Supv. | DRT |
| b. Local Legislators | Section Supv. | DRT |
| c. Watermaster | Section Supv. | DRT |
| d. Department Personnel | Section Supv. | DRT |

MICROFILMED
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| | | |
|---|---|---|
| e. Local TV & Radio Stations | Section Supv. | DRT |
| f. Water Right Holders | Requestor | DRT |
| g. Riparian Owners | Requestor | DRT |
| 23. Information provided to IWRB for decision to proceed, modify, or abondon. | Section Supv. | |
| 24. Notice of formal hearing advertised in legal notices. | Region | |
| 25. Notification of formal hearing sent to: | | |
| a. IWRB members | Section Supv. | |
| b. Local Legislators | Section Supv. | |
| c. Watermaster | Section Supv. | |
| d. Department Personnel | Section Supv. | |
| e. Local TV & Radio Stations | Section Supv. | |
| f. Water right holders | Section Supv. | |
| g. Attendees of informal public meetings. | Section Supv. | |
| h. Riparian Owners | Requestor | |
| 26. Hearing held (mandatory). | Hearing Officer & Regional Rep. | |
| 27. Standard approval procedure for memorandum decision. | Hearing Officer | |
| 28. If application is approved, Legislative approval procedure attached. | Records Chief | |

MICROFILMED
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06/27/34

130F4111 R & J BROWN PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 15 | 15 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 250 | 133 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 4 | 0 |
| MAX | 0 | 0 | | | | | 0 | 0 | 15 | 15 | 15 | 0 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 495 | 264 | 0 |

WATER YEAR 1983 TOTAL 415 MEAN 1 AC-FT 313

MICROFILMED DEC 15 1989

06/27/94

13033671 J RICKS PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 3 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 3 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 3 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 3 | 2 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 35 | 10 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| MAX | 0 | 0 | | | | | 0 | 0 | 3 | 3 | 3 | 0 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 69 | 20 | 0 |

WATER YEAR 1983 TOTAL 51 MEAN 0 AC-FT 102

MICROFILMED
DEC 15 1989

06/27/84

10054031 TETON PIPELINE #3 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 0 | |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 0 | |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 0 | |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 0 | |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 0 | |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 10 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 10 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 13 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 13 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 13 | 0 | 17 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 0 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 8 | 0 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 8 | 0 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 9 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 106 | 237 | 0 | 33 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 0 | 1 |
| MAX | 0 | 0 | | | | | 0 | 0 | 13 | 13 | 0 | 17 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209 | 470 | 0 | 65 |

WATER YEAR 1983 TOTAL 373 MEAN 1 AC-FT 744

MICROFILMED
DEC 15 1989

06/27/94

13054041 TETON PIPELINE #2 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 12 | 0 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 18 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 18 | 0 | 2 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 14 | 18 | 0 | 6 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 9 | 18 | 0 | 6 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 18 | 0 | 6 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 18 | 0 | 6 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 18 | 0 | 0 | 6 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 18 | 0 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 18 | 0 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 18 | 0 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 9 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 141 | 431 | 0 | 32 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 0 | 1 |
| MAX | 0 | 0 | | | | | 0 | 0 | 18 | 18 | 0 | 6 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 280 | 856 | 0 | 63 |

WATER YEAR 1983 TOTAL 606 MEAN 2 AC-FT 1201

MICROFILMED
DEC 15 1989

06/27/84

13054043 TETON PIPELINE #1 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 36 | 0 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 0 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 32 | 0 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 53 | 0 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 44 | 0 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 53 | 0 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 53 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 40 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 36 | 0 | |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 47 | 0 | |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 53 | 0 | |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 53 | 0 | |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 53 | 0 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 51 | 0 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 42 | 0 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 36 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 37 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 53 | 0 | 4 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 53 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 30 | 53 | 0 | 9 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 44 | 53 | 0 | 17 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 49 | 51 | 0 | 17 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 53 | 45 | 0 | 22 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 53 | 45 | 0 | 29 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 46 | 0 | 0 | 29 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 52 | 0 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 52 | 0 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 52 | 0 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 25 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 455 | 1115 | 0 | 127 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 36 | 0 | 4 |
| MAX | 0 | 0 | | | | | 0 | 0 | 53 | 53 | 0 | 29 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 902 | 2200 | 0 | 252 |

WATER YEAR 1983 TOTAL 1697 MEAN 5 AC-FT 3366

MICROFILMED
DEC 15 1989

06/27/84

13053951 TETON PIPELINE #4 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 24 | 0 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 24 | 0 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 21 | 0 | 22 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 24 | 0 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 24 | 0 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 20 | 0 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 23 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 23 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 23 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 23 | 0 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 23 | 0 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 23 | 0 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 23 | 0 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 0 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 0 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 0 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 18 | 27 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 18 | 27 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 18 | 25 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 18 | 25 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 18 | 25 | 0 | 2 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 18 | 0 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 18 | 0 | 0 | 0 |
| | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 24 | 0 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 24 | 0 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 24 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 193 | 511 | 0 | 23 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 20 | 0 | 1 |
| MAX | 0 | 0 | | | | | 0 | 0 | 24 | 27 | 0 | 22 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 393 | 1200 | 0 | 46 |

WATER YEAR 1983 TOTAL 833 MEAN 2 AC-FT 1651

MICROFILMED DEC 15 1989

# DOVE SPRINGS AND THE NARROWS WATER DISTRICT

Telephone (208) 324-5110
Route 4, Box 4634
Jerome, ID 83338

November 18, 1983

TO: Idaho Power Lawsuit Defendants 01-7021, 02-7125, 02-7138
Water Right Number(s): 36-7822, 36-7818-22, 37-7727+28+34+39, 37-7849 37-7892, 37-7920, 61-7373 22-7369,

We are writing this letter to request that you join with us in a matter of great importance to our area as well as the State of Idaho. You have by now heard of the "Swan Falls decision" and you are probably aware that the Idaho Department of Water Resources has declared a moratorium on further processing of water rights, either surface or underground, in the entire Snake River Drainage, including your area.

You may not be aware that last March, Idaho Power Company filed a lawsuit against 7500 water right holders. Idaho Power is seeking damages and an injunction against further use of all our water rights with priority dates later than January 17, 1900. Only one water user defendant has been served so far. It appears that Idaho Power desires to keep publicity at a minimum until it can implement legislation which will prevent any future water development in the Snake River Drainage Basin, upstream from Swan Falls.

We feel the Governor responded correctly to the action challenging the constitutionality of Senate Bill 1180 by refusing to sign the contract until the litigation is concluded. This makes it imperative that we move as soon as possible to protect ourselves and our water rights in the litigation brought against all of us by Idaho Power.

You and we have both been named as defendants in the lawsuit. We have asked Kent W. Foster of Holden, Kidwell, Hahn & Crapo and R. W. Rigby of Rigby, Thatcher, Anderson & Barton to defend our interests in the litigation. We are enclosing a copy of an opinion letter we obtained from Mr. Foster which explains the issues and the background.

We are convinced that a unified effort to defend this litigation is essential. We have a great deal more impact together than individually, and if we all participate, we stand a better chance of being able to bear the economic burden of defending a lawsuit brought by an organization with the resources of the Idaho Power Co[illegible]

MICROFILMED
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We are suggesting that we informally organize a group of the named defendants and other interested individuals to help fund our lawsuit defense. There are other groups and individuals throughout the Snake River Valley doing the same thing. I have arranged for meetings to be held at the following time and places:

November 28, Monday, Idaho Falls, West Bank, 7:30 PM
November 29, Tuesday, Twin Falls, Holiday Inn, 7:30 PM
November 30, Wednesday, Boise, Airport Holiday Inn, 7:30 PM

Kent Foster has agreed to be there to discuss the legal issues and help answer questions.

If you have received more than one letter, feel that Idaho Power has listed your water right--right number shown at the top of this letter--incorrectly, or that you should not be a defendant in this case, please call (208) 324-5110 so that we may correct our records.

In summary, what has happened leaves it up to us to protect our existing rights and future opportunities. We will look forward to seeing you at the meeting.

Yours very truly,

DOVE SPRINGS

Elaine Martin

Elaine Martin

Thomas K. Schafer, Manager
Canyonview Irrigation Co.

Terry G. Martin, President
The Narrows Water District

G. Keith Munsee

William J. Lanting

Enclosure

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DEC 15 1989

WILLIAM S. HOL
R. VERN KIDWEL
FRED J. HAHN
KENT W. FOSTER
ROBERT E. FARNAM
WILLIAM D. FALER, P.A.
STEPHEN E. MARTIN
CHARLES A. HOMER
GARY L. MEALE
CURT R. THOMSEN
RANDALL K. BARTON
MICHAEL D. CRAPO
JAMES D. HOLMAN
GAYLE A. SORENSON
DONALD L. HARRIS
BRUCE T. SMITH

LAW OFFICES
HOLDEN, KIDWELL, HAHN & CRAPO
IDAHO FIRST NATIONAL BANK BUILDING
P.O. BOX 129
IDAHO FALLS, IDAHO 83402
TELEPHONE 523-0620
AREA CODE 208

ARTHUR A. HOLDEN, 1877-1967
ROBERT B. HOLDEN, 1911-1997
TERRY L. CRAPO, 1926-1982

November 5, 1983

Mrs. Elaine Martin
Dove Springs Irrigation
Route 4, Box 4634
Jerome, ID 83338

RE: Swan Falls Issue

Dear Elaine:

We are writing this letter at your request for a brief statement of the problem and our views in the Swan Falls matter. Although the letter may seem lengthy, it really covers only the bare bones of the matter. The issues, background and history are so complex that it would take a very lengthy letter indeed to fully address all facets of the problem, how it developed, and what we think can and should be done with regard to it. We trust the following will be both understandable and sufficiently brief to be helpful.

In 1977 a group of rate payers filed a complaint with Idaho Public Utilities Commission alleging that Idaho Power Company had failed to protect its water rights at its Swan Falls Power Plant and that Idaho Power's rate payers had been over charged. Idaho Power Company responded by filing suit in the Ada County District Court seeking a declaratory judgment, among other things, that its Swan Falls rights were not subject to up stream depletion. On motions for summary judgment, the District Court found that because of a clause in Idaho Power Company's Hell's Canyon Federal Power License, all of Idaho Power Company's water rights were subordinated to future up stream depletion by use of water from Snake River and its tributaries for out of stream consumptive uses. On November 19, 1982, the Supreme Court of Idaho reversed the decision of the District Court and decided that because there was no "subordination clause" in either the State of Idaho water rights documents relating to the Swan Falls plant or the Federal Power License for that plant, the Swan Falls rights were not subordinated.

The case was remanded by the Supreme Court to the District Court for a decision on certain other issues concerning the Swan Falls rights, such as abandonment, forfeiture, adverse possession, estoppel, waiver and laches. However, no further action has yet been taken on the remand.

Upon the filing of the Supreme Court decision, the Idaho Department of Water Resources stopped processing all applications for permits for ground or surface water up stream from Swan Falls in the entire Snake River Water Shed. The Department's concern is that if the Swan Falls rights are not subordinated, all rights to the use of surface or ground waters which are tributary to the Snake River flows at Swan Falls, subsequent in priority to the Swan Falls priorities, (the earliest of which may be January 17, 1900) are in jeopardy and may have to be cut to supply required flows at Swan Falls. Since flows at Swan Falls typically fall below 8400 cubic feet per second, the amount of Idaho Power rights during much of each summer, it appears there is no supply of water available for any future appropriations, except for non-consumptive uses.

Legislation was introduced in the 1983 legislature which would have subordinated all water rights for power production to out of stream consumptive uses such as irrigation. Idaho Power Company was able (by a margin of one vote in the Senate) to defeat this legislation. On the other hand, Idaho Power Company was successful in getting its own bill, S.B. 1180 passed.

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On March 30, 1983, Idaho Power Company filed suit against some 7500 holders of water rights above its Swan Falls, Bliss, Lower Salmon Falls, and Upper Salmon Falls power plants. Although the water user defendants have not been served in this suit, the suit seeks damages from them and an injunction against further use of their water rights. S.B. 1180 was then introduced which, among other things, permits the governor to enter into a contract with Idaho Power Company under the terms of which Idaho Power Company is to agree to dismiss its law suit against a number of the named defendants in exchange for a

provision which deprives the Idaho Public Utilities Commission of jurisdiction to grant Idaho Power Company rate payers any relief in their pending action or any similar action.

The proposed contract would amount to an agreement by Idaho Power that certain water rights holders who have a decree or license a pending permit or application for permit, or have either beneficially used water or have a substantial investment in a well and irrigation equipment prior to November 19, 1982, become the holders of water rights to which Idaho Power's Swan Falls rights are subordinated. The number of those who might fit into this category is said to be about 5,000. We have discovered that no decreed rights or statutory claims, or even very many licenses, with priorities subsequent to 1900 were listed in the "7500" law suit. This statutory-contractual scheme does not appear to help the 2,000 to 2500 named defendants in the law suit who will not be dismissed, any of the numerous water rights holders who were not named, or those who have used water for many years, but have no permit or recorded evidence of their rights.

The major problem with this statutory-contractual approach is that it leaves the state in an untenable position; there can be no further development which is dependent upon a so called consumptive use of either surface or underground water in any of the Snake River water shed or plain up stream from Swan Falls. That area comprises most of the State of Idaho which is or can be developed for irrigated agriculture. From the date of the execution of the contract, any further water use in this area of the State for irrigation or other agricultural uses, municipal or industrial uses would depend upon whether Idaho Power Company was willing to part with a portion of its water rights, and if so, whether the proposed water use would be economically feasible in light of the price.

Whether there should or should not be any further development of surface or ground water in the major portion of this state where it is still possible, is a policy issue of such significance that it ought not to be decided in this manner. Certain of our clients have already instructed us to take the necessary action on their behalf to challenge the constitutionality of S.B. 1180. Their position is basically that past water development has resulted in increased power production at Swan Falls because of increased low flows so that there is no detriment to Idaho Power Company; that continued future development in a manner similar to what has occurred in the past is part of the Idaho State Water Plan; that such development is unlikely to siunificantly deplete Snake River flows at Swan Falls in the forseeable future; and that in any event, the value of the benefits to the State of Idaho which will result from such future development far exceeds the monetary value of any detriments which Idaho Power Company might experience as a result.

Regardless of what the legislature may do with respect to S.B. 1180 or any proposed subordination bill in the coming session, we think it is essential that the pending litigation, that is, the remand of the Supreme Court decision and the Idaho Power law suit against some 7500 water users, should proceed to its conclusion. There appears to be a substantial argument that all of Idaho Power's water rights are subordinated to future appropriations from the Snake River and its tributaries for irrigation and other so called consumptive out of stream uses, on grounds other than those upon which the November 19, 1982 decision is based. This argument in favor of subordination certainly seems consistent with a long course of conduct on the part of water rights appropriators, the State of Idaho, and even Idaho Power Company itself, which not only acquiesced in the continued development since 1900, but has encouraged much of the ground water pumping development.

Those who legally can and should pursue this litigation to its proper conclusion include not only the named defendants in the two pending law suits, but all water rights holders similarly situated who are holders of a decree, license, permit, application for permit or statutory claim for, or although there is no document of record, nevertheless claim right to the use of surface or underground water within the Snake River water shed or plain up stream from Swan Falls, and whose priority date may be later than January 17, 1900.

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We would be pleased to discuss this matter in greater depth with you at your convenience.

Yours very truly,

Kent W. Foster

09/16/83

13054111 R & J BROWN PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 15 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 15 | 15 | 15 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 15 | 15 | 15 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 15 | 15 | 0 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 15 | 0 | 0 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 11 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 15 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 15 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 207 | 173 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 6 | 0 |
| MAX | 0 | 0 | | | | | 0 | 0 | 15 | 15 | 15 | 0 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 124 | 410 | 344 | 0 |

WATER YEAR 1982 TOTAL 443 MEAN 1 AC-FT 878

MICROFILMED DEC 15 1989

09/16/83

13053971 J RICKS PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 3 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 3 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 3 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 3 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 3 | 0 | 0 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 3 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 3 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 3 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 3 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 1 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 0 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 30 | 27 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| MAX | 0 | 0 | | | | | 0 | 0 | 3 | 3 | 3 | 0 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 59 | 54 | 0 |

WATER YEAR 1982 TOTAL 70 MEAN 0 AC-FT 139

MICROFILMED DEC 15 1983

09/16/83

13054031 TETON PIPELINE #3 PUMP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 4 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 4 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 4 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 4 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 4 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 4 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 4 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 4 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 4 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 2 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 4 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 97 | 126 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 |
| MAX | 0 | 0 | | | | | 0 | 0 | 0 | 4 | 4 | 0 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 192 | 249 | 0 |

WATER YEAR 1982 TOTAL 222 MEAN 1 AC-FT 441

MISSOULA
DEC 15 1989

09/16/83

13054041 TETON PIPELINE #2 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 9 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 9 | 0 |
| 3 | 1 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 9 | 0 |
| 4 | 1 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 9 | 0 |
| 5 | 3 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 9 | 0 |
| 6 | 3 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 9 | 0 |
| 7 | 3 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 9 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 9 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 9 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 8 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 8 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 8 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 7 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 7 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 9 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 7 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 2 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 9 | 0 | --- |
| TOTAL | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 187 | 233 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 8 | 0 |
| MAX | 3 | 0 | | | | | 0 | 0 | 0 | 9 | 9 | 0 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 371 | 463 | 0 |

WATER YEAR 1982 TOTAL 430 MEAN 1 AC-FT 852

RECEIVED DEC 15 1983

09/16/83

13054043 LETON PIPELINE #1 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 2 | 4 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 15 | 0 |
| 3 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 14 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 13 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 13 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 14 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 14 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 14 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 14 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 14 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 16 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 16 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 16 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 16 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 16 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 16 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 16 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 15 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 11 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 11 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 21 | 7 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 21 | 7 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 21 | 7 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 8 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 8 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 13 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 26 | 10 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 21 | 8 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 20 | 3 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 20 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 14 | 0 | --- |
| TOTAL | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 532 | 333 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 11 | 0 |
| MAX | 6 | 0 | | | | | 0 | 0 | 0 | 26 | 16 | 0 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1100 | 661 | 0 |

WATER YEAR 1982 TOTAL 877 MEAN 2 AC-FT 1740

MAILED DEC 15 1989

09/16/83

13053951 LETON PIPELINE #4 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 12 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 11 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 11 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 10 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 10 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 10 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 10 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 10 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 10 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 10 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 10 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 10 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 11 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 11 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 10 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 10 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 10 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 10 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 10 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 10 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 7 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 7 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 7 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 7 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 7 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 10 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 9 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 8 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 2 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 11 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 347 | 267 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 9 | 0 |
| MAX | 0 | 0 | | | | | 0 | 0 | 0 | 16 | 12 | 0 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 688 | 529 | 0 |

WATER YEAR 1982 TOTAL 614 MEAN 2 AC-FT 1217

04/02/82

13054111 R & J BROWN PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

WATER YEAR 1981 TOTAL 0 MEAN 0 AC-FT 0

04/02/82

13053971 J RICKS PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

WATER YEAR 1981 TOTAL 0 MEAN 0 AC-FT 0

RECEIVED
DEC 13 1989

04/02/82

13054031 TETON PIPELINE #3 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 5 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 6 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 7 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 8 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 2 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 2 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 2 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 4 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 4 | 1 | 1 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 4 | 2 | 2 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 4 | 2 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 2 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 2 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 2 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 2 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 2 | 0 | --- |
| TOTAL | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 123 | 50 | 3 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 0 |
| MAX | 2 | 0 | | | | | 0 | 0 | 4 | 4 | 4 | 2 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 2 | 0 | 0 |
| AC-FT | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 243 | 98 | 5 |

WATER YEAR 1981 TOTAL 216 MEAN 1 AC-FT 429

RECEIVED
DEC 15 1984

04/02/82

13054041 TETON PIPELINE #2 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | | 4 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | | 4 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | | 4 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | | 1 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | | 3 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 5 | 1 |
| 7 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 3 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 7 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 7 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 7 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 5 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 5 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 4 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 7 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 7 | 2 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 2 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 7 | 2 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 7 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 7 | 7 | 1 | 1 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 9 | 7 | 0 | 2 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 9 | 7 | 1 | 2 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 9 | 7 | 0 | 2 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 9 | 7 | 0 | 3 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 9 | 7 | 1 | 3 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 9 | 7 | 1 | 6 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 9 | 7 | 1 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 9 | 7 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 7 | 0 | --- |
| TOTAL | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 236 | 109 | 36 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 4 | 1 |
| MAX | 2 | 0 | | | | | 0 | 0 | 9 | 9 | 9 | 6 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 7 | 0 | 0 |
| AC-FT | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 468 | 217 | 72 |

WATER YEAR 1981 TOTAL 459 MEAN 1 AC-FT 911

MICROFILMED
OCT 1 1989

04/02/82

13054043 TETON PIPELINE #1 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 24 | 15 |
| 2 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 20 | 14 |
| 3 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 26 | 17 |
| 4 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 25 | 17 |
| 5 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 21 | 26 | 10 |
| 6 | 10 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 2 | 5 |
| 7 | 12 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 2 | 3 |
| 8 | 5 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 2 | 2 |
| 9 | 9 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | [illegible] | 5 |
| 10 | 9 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | [illegible] | 3 |
| 11 | 6 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 21 | 15 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 27 | 19 | 4 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 23 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 24 | 23 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 21 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 23 | 15 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 23 | 19 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 21 | 17 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 23 | 16 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 11 | 25 | 19 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 11 | 23 | 12 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 19 | 24 | 14 | 4 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 21 | 24 | 14 | 8 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 21 | 26 | 19 | 8 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 22 | 25 | 20 | 9 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 25 | 23 | 20 | 14 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 25 | 26 | 23 | 17 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 25 | 25 | 21 | 12 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 25 | 24 | 19 | 14 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 25 | 23 | 12 | 8 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 23 | 0 | --- |
| TOTAL | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 230 | 761 | 603 | 190 |
| MEAN | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 25 | 19 | 6 |
| MAX | 12 | 0 | | | | | 0 | 0 | 25 | 27 | 26 | 17 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 21 | 0 | 0 |
| AC-FT | 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 457 | 1500 | 1200 | 378 |

WATER YEAR 1981 TOTAL 1945 MEAN 5 AC-FT 3660

MICROFILMED DEC 15 1982

04/02/82

13053951 TETON PIPELINE #4 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 13 | 9 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 10 | 6 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 11 | 8 | |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 11 | 11 | |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 11 | 9 | |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 11 | |
| 7 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 12 | |
| 8 | 1 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 13 | |
| 9 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 13 | |
| 10 | 2 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 13 | 9 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 13 | 9 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 11 | 4 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 12 | 11 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 11 | 11 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 12 | 8 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 12 | 2 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 11 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 11 | 11 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 11 | 5 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 8 | 14 | 5 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 8 | 14 | 11 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 12 | 9 | 3 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 12 | 0 | 6 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 12 | 11 | 5 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 12 | 8 | 5 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 13 | 11 | 5 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 13 | 10 | 6 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 13 | 9 | 7 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 13 | 10 | 5 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 13 | 0 | 3 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 12 | 0 | --- |
| TOTAL | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 129 | 383 | 280 | 97 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 12 | 9 | 3 |
| MAX | 2 | 0 | | | | | 0 | 0 | 13 | 14 | 13 | 9 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 11 | 0 | 0 |
| AC-FT | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 256 | 760 | 555 | 193 |

WATER YEAR 1981 TOTAL 887 MEAN 2 AC-FT 1779

MICROFILMED
DEC 15 1989

03/19/82

13054111 P & J BROWN PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 0 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 6 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 6 | 6 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | [illegible] | 6 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | [illegible] | 6 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | [illegible] | 6 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | [illegible] | 6 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | [illegible] | 6 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | [illegible] | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | [illegible] | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | [illegible] | 6 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | [illegible] | 6 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | [illegible] | 6 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 6 | 6 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 6 | 6 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 0 | 0 | 6 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 6 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 6 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 6 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 6 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 6 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 6 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 6 | 0 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 6 | 6 | 0 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 6 | 6 | 6 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 6 | 6 | 6 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 6 | 6 | 6 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 6 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 6 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 6 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 132 | 132 | 66 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 2 |
| MAX | 0 | 0 | | | | | 0 | 0 | 6 | 6 | 6 | 6 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 262 | 262 | 131 |

WATER YEAR 1980 TOTAL 363 MEAN 1 AC-FT 720

MICROFILMED DEC 13 1989

03/19/92

13053971 J RICKS PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 2 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 0 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 0 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 2 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 2 | 0 | 0 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 50 | 9 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 |
| MAX | 0 | 0 | | | | | 0 | 0 | 2 | 2 | 2 | 0 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 99 | 17 | 0 |

WATER YEAR 1980 TOTAL 83 MEAN 0 AC-FT 164

MICROFILMED DEC 1 b 1989

02/19/82

13054031 TETON PIPELINE #3 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 2 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 3 | 4 | 0 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 2 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 4 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 4 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 4 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 4 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 4 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 4 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 4 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 4 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 2 | 4 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 4 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 1 | 4 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 1 | 4 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 4 | 0 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 0 | 0 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 0 | 2 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 0 | 2 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 4 | 2 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 4 | 4 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 4 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 96 | 67 | 4 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 |
| MAX | 0 | 0 | | | | | 0 | 0 | 4 | 4 | 4 | 2 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 190 | 134 | 8 |

WATER YEAR 1980 TOTAL 194 MEAN 1 AC-FT 385

USGS UTAH DEC 15 1980

03/19/82

13054041 TETON PIPELINE #2 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 3 | 2 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 2 | 2 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 2 | 2 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 5 | 2 | 2 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 1 | 1 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 0 | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 5 | 0 | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 0 | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 0 | 0 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 0 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 4 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 6 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 6 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | 7 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 6 | 5 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 1 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 5 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 8 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 4 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 7 | 8 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 7 | 8 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 7 | 8 | 0 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 8 | 0 | 0 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 8 | 0 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 8 | 0 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 8 | 6 | 0 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 8 | 6 | 2 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 6 | 2 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 193 | 85 | 9 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 3 | 0 |
| MAX | 0 | 0 | | | | | 0 | 0 | 8 | 9 | 7 | 2 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 | 383 | 169 | 19 |

WATER YEAR 1980 TOTAL 349 MEAN 1 AC-FT 692

MICROFILMED DEC 16 1989

03/15/32

13054043 TETON PIPELINE #1 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 20 | 2 | 9 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 20 | 2 | 8 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 21 | 2 | 7 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 16 | 1 | 4 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 22 | 1 | 4 |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 22 | 1 | 4 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 19 | 1 | 2 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 24 | 11 | 2 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 23 | 14 | 1 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 21 | 16 | 0 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 15 | 0 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 24 | 21 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 21 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 22 | 21 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 16 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 4 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 25 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 22 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 12 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 13 | 25 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 12 | 25 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 19 | 25 | 0 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 21 | 10 | 3 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 20 | 6 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 19 | 6 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 19 | 24 | 14 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 17 | 24 | 16 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 24 | 15 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 143 | 653 | 301 | 41 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 21 | 10 | 1 |
| MAX | 0 | 0 | | | | | 0 | 0 | 21 | 25 | 24 | 9 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 6 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 284 | 1300 | 598 | 82 |

WATER YEAR 1980 TOTAL 1138 MEAN 3 AC-FT 2258

RECEIVED
DEC 15 1980

03/19/82

13053951 TETON PIPELINE #4 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 12 | 13 | 0 |
| 2 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 14 | 13 | 0 |
| 3 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 12 | [illegible] | 1 |
| 4 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 11 | [illegible] | 5 |
| 5 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | [illegible] | [illegible] |
| 6 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | [illegible] | 0 |
| 7 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 12 | [illegible] | 0 |
| 8 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 12 | [illegible] | 0 |
| 9 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 11 | [illegible] | 2 |
| 10 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 9 | [illegible] | 2 |
| 11 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 5 | 2 |
| 12 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 14 | 7 | 0 |
| 13 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 14 | 9 | 0 |
| 14 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 10 | 0 |
| 15 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 14 | 6 | 0 |
| 16 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 11 | 1 | 0 |
| 17 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 11 | 0 | 0 |
| 18 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 0 | 0 |
| 19 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 0 | 13 | 0 | 0 |
| 20 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 15 | 0 | 0 |
| 21 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 15 | 0 | 0 |
| 22 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 15 | 0 | 0 |
| 23 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 4 | 15 | 0 | 0 |
| 24 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 5 | 14 | 0 | 0 |
| 25 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 7 | 15 | 0 | 0 |
| 26 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 10 | 4 | 0 | 0 |
| 27 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 11 | 2 | 0 | 0 |
| 28 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 10 | 0 | 0 | 0 |
| 29 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 10 | 15 | 4 | 0 |
| 30 | 0 | 0 | --- | --- | --- | --- | 0 | 0 | 12 | 15 | 2 | 0 |
| 31 | 0 | --- | --- | --- | --- | --- | --- | 0 | --- | 15 | 2 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 373 | 142 | 16 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 5 | 1 |
| MAX | 0 | 0 | | | | | 0 | 0 | 12 | 15 | 15 | 5 |
| MIN | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 158 | 740 | 282 | 32 |

WATER YEAR 1980 TOTAL 611 MEAN 2 AC-FT 1212

RECEIVED DEC 16 1980

03/18/82

13054111 R & J BROWN PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | --- | 0 | 0 | --- | 0 | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

WATER YEAR 1979 TOTAL 0 MEAN 0 AC-FT 0

MICROFILMED
DEC 10 1982

J. Ricks

03/18/82

13053071 J RICKS PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | --- | 0 | 0 | --- | 0 | --- | 0 | --- | 0 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

WATER YEAR 1979 TOTAL 0 MEAN 0 AC-FT 0

MICROFILMED
DEC 15 1989

MICROFILMED
DEC 15 1989

13054031 TETN PIPELINE #3 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 0 |
| 6 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 3 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 3 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 3 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 2 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 5 | 3 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 5 | 3 | 0 | 0 |
| 31 | 0 | --- | 0 | 0 | --- | 0 | --- | 0 | --- | 3 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 132 | 39 | 0 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 0 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 194 | 262 | 77 | 0 |

WATER YEAR 1979 TOTAL 269 MEAN 1 AC-FT 534

03/19/92

13054041 TETN PIPELINE #2 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 2 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 2 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3 | 2 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 3 | 2 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 1 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 9 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 4 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 7 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 7 | 6 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 7 | 4 | 0 | 0 |
| 31 | 0 | --- | 0 | 0 | --- | 0 | --- | 0 | --- | 6 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | 207 | 57 | 9 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 2 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 9 | 7 | 2 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 188 | 411 | 113 | 18 |

WATER YEAR 1979 TOTAL 369 MEAN 1 AC-FT 730

MICROFILMED DEC 13 1989

03/19/82

13054043 TEYN PIPELINE #1 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 20 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 18 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 16 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 15 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 14 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 14 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 17 | 2 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 16 | 6 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 15 | 6 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 21 | 15 | 6 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 26 | 17 | 6 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 26 | 13 | 6 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 26 | 9 | 3 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 23 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 26 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 24 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 26 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 26 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 25 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 25 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 22 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 23 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 11 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 12 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 14 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 18 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 25 | 17 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 25 | 17 | 0 | 0 |
| 31 | 0 | --- | 0 | 0 | --- | 0 | --- | 0 | --- | 18 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 461 | 617 | 204 | 35 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 20 | 7 | 1 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 26 | 20 | 6 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 914 | 1200 | 405 | 69 |

WATER YEAR 1979 TOTAL 1317 MEAN 4 AC-FT 2612

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DEC 15 1989

03/19/82

Max Q = 27 cfs

13053951 TETN PIPELINE #4 PUMP

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 1 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 1 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 1 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 1 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 8 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 9 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 9 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 10 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 1 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 9 | 9 | 2 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 15 | 8 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 5 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 15 | 2 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 15 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 15 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 15 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 14 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 15 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 7 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 12 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 13 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 14 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 15 | 12 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | --- | 0 | 0 | 0 | 16 | 11 | 0 | 0 |
| 31 | 0 | --- | 0 | 0 | --- | 0 | --- | 0 | --- | 12 | 0 | --- |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 284 | 378 | 120 | 3 |
| MEAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 12 | 4 | 0 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 15 | 15 | 2 |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AC-FT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 563 | 750 | 238 | 6 |

WATER YEAR 1979 TOTAL 785 MEAN 2 AC-FT 1557

MICROFILMED DEC 15 1989

# STATE OF IDAHO

DEPARTMENT OF FISH AND GAME 600 SO. WALNUT ST. – P. O. BOX 25
BOISE, IDAHO 83707


February 16, 1982

Fall River Rural Electric Cooperative, Inc.
Box 617
Ashton, ID 83420

Gentlemen:

The Idaho Department of Fish and Game concurs in the attached agreement.

Sincerely,

Jerry M. Conley
Director

Attachment

cc: Paul Otter


MICROFILMED
DEC 15 1989

(2 vii) Agreement on Fishery Issues between IDFG and Fall River

During discussions between IDFG and Fall River it became apparent that additional information was needed in order to avoid a possible impass over the question of minimum flow requirements in the river between the dam and powerplant.

Consequently Fall River suggested a field trip during which they would regulate the river flow at the diversion dam so all concerned could examine the river at several stages. The trip would have to occur during February before the spring flows exceed the existing turbine capacity so all flow could be diverted through the powerplant. IDFG welcomed the suggestion and the trip took place on February 9, 1982. Four representatives from IDFG attended as did one representative from the U.S. Fish and Wildlife Service.

The demonstration was conducted as follows:

A. The preceding night Fall River shut down the powerplant and spilled all the river flow (approximately 260 cfs) in order to wash the accumulated snow out of the channel and provide the best view of river conditions.

B. Before the demonstration began Fall River restarted the plant and resumed diverting all flow through the plant; so at the beginning flow through the dam was negligible.

C. IDFG deployed their personnel along the river at critical points.

D. The sluice gate was opened a measured amount to release 10 cfs and sufficient time was allowed for the flow to stabilize throughout the reach. After all observers were satisfied, the flow was increased and the process repeated. Observations were made at discharges of 0, 10, 20, 30, 50 and 100 cfs.

The experiment was totally successful and concluded with agreement between Fall River and IDFG on all major points of dispute. Terms of the agreement are as follows:

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DEC 15 1989

1. Fall River will construct a fish ladder capable of operating with flow in the range of 10 to 20 cfs. IDFG will furnish design criteria and review the design of the ladder.

2. The minimum flow release from the dam will be 20 cfs except for 3 months each year during the period of cutthroat trout spawning migration when the minimum flow release will be 50 cfs. One of the 3 months of 50 cfs minimum flow will be June which is normally the highest flow month. The 50 cfs flow may not be required throughout all the 3 months to provide for upstream fish passage. IDFG will conduct studies to more closely identify the time frame in the spring during which the cutthroat trout spawning migration takes place.

3. Fall River will pay IDFG a lump sum to provide for mitigation of turbine mortality. IDFG will make estimates of the expected mortality and amount of mitigation.

4. IDFG will break up a few large boulders in the channel to facilitate fish passage. This work will be funded by Fall River.

5. The public will be allowed to walk down the power-plant access road for fishing or other recreational purposes; however the road will not be suitable for public vehicle traffic. Fall River will provide a parking area near the Badger Substation.

6. Fish screens at the penstock intakes will not be required.

With the conclusion of the above agreement, all environmental issues have now been resolved and no known opposition to the project remains. IDFG has agreed to provide a letter for inclusion in this application which will verify their agreement.

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DEC 15 1989

September 25, 19[illegible]

RE: Application for Permit No. 22-7369 IDAHO WATER RESOURCE BOARD

John C. Briggs
Box 96
Tetonia, Idaho 83[illegible]52

Dear Mr. Briggs:

Your protest has been received by the Department and will be placed in the file for the above captioned application. The recent advertisement in the Teton Valley News was simply to serve notice to the pubic that the application has been submitted to the Department by the Idaho Water Resource Board. Future advertisements will announce the date, place, and time of public meetings and/or hearings conducted by the Board to receive public comment.

For your convenience, notice of the meetings and/or hearings will be mailed directly to you.

Respectfully submitted,

ERNEST CARLSEN
Assistant Regional Supervisor

EC:cw

MICROFILMED
DEC 13 1989

RECEIVED

SEP 14 1981

Department of Water Resources

Department of Water Resources
State of Idaho
Boise, Idaho 83700

I/we the undersigned wish to protest Application No. 22-7369, submitted by the Idaho Water Resource Board, to allocate 106 cfs Teton River Water to maintain minimum streamflow. We feel the only time that this decree would be needed would be for a short period of time, which would also be a critical period for irrigation. During the short period of time that this situation would exist, we feel agricultural use of the water should have priority over recreational use.

Dated this 10 day of ~~August~~ Sept, 1981.

H-T Ranch

John C Briggs

Box 96

Tetonia Id. 83452

RECEIVED

SEP 21 1981

Department of Water Resources
Eastern District Office

MICROFILMED

DEC 15 1989

September 11, 1981

RE: Application for Permit No. 22-7369 IDAHO WATER RESOURCE BOARD

Rex Ard
274 West 1st So. Street
Rexburg, ID 83440

Dear Mr. ARd:

Your protest has been received by the Department and will be placed in the file for the above captioned application. The recent advertisement in the Teton Valley News was simply to serve notice to the pubic that the application has been submitted to the Department by the Idaho Water Resource Board. Future advertisements will announce the date, place, and time of public meetings and/or hearings conducted by the Board to receive public comment.

For your convenience, notice of the meetings and/or hearings will be mailed directly to you.

Respectfully submitted,

ERNEST CARLSEN
Assistant Regional Supervisor

EC:cw

MICROFILMED
DEC 15 1989

Rexburg, Idaho

MICROFILMED
DEC 15 1989

RECEIVED
SEP 14 1981
Department of Water Resources
Eastern District Office

RECEIVED
SEP 10 1981
Department of Water Resources

Department of Water Resources
State of Idaho
Boise, Idaho 83700

I/we the undersigned wish to protest Application No. 22-7369, submitted by the Idaho Water Resource Board, to allocate 106 cfs Teton River Water to maintain minimum streamflow. We feel the only time that this decree would be needed would be for a short period of time, which would also be a critical period for irrigation. During the short period of time that this situation would exist, we feel agricultural use of the water should have priority over recreational use.

Dated this 31 day of August, 1981.

274 W 1 S
Rexburg, Idaho

MICROFILMED
DEC 15 1989

September 11, 1981

RE: Application for Permit No. 22-7369 IDAHO WATER RESOURCE BOARD

Glen D. Nelson, President
Clementsville Pipeline
Star Route
Newdale, Idaho 83436

Dear Mr. Nelson:

The protest by Clementsville Pipeline Inc. has been received by the Department and will be placed in the file for the above captioned application. The recent advertisement in the Teton Valley News was simply to serve notice to the pubic that the application has been submitted to the Department by the Idaho Water Resource Board. Future advertisements will announce the date, place, and time of public meetings and/or hearings conducted by the Board to receive public comment.

For your convenience, notice of the meetings and/or hearings will be mailed directly to you.

Respectfully submitted,

ERNEST CARLSEN
Assistant Regional Supervisor

EC:cw

MICROFILMED
DEC 15 1989

RECEIVED
AUG 31 1981
Department of Water Resources

RECEIVED
SEP 3 1981
Department of Water Resources
Eastern District Office

Department of Water Resources
State of Idaho
Boise, Idaho 83700

I/we the undersigned wish to protest Application No. 22-7369, submitted by the Idaho Water Resource Board, to allocate 106 cfs Teton River Water to maintain minimum streamflow. We feel the only time that this decree would be needed would be for a short period of time, which would also be a critical period for irrigation. During the short period of time that this situation would exist, we feel agricultural use of the water should have priority over recreational use.

Dated this 28th day of August, 1981.

Clementsville Pipeline Inc.

Glen D. Nelson Pres.

MICROFILMED
DEC 15 1989

September 11, 1981

RE: Application for Permit No. 22-7369 IDAHO WATER RESOURCE BOARD

Ronnie Ard, President
Teton Pipeline Association
Star Route
Newdale, ID 83436

Dear Mr. Ard:

The protest by Teton Pipeline Association has been received by the Department and will be placed in the file for the above captioned application. The recent advertisement in the Teton Valley News was simply to serve notice to the pubic that the application has been submitted to the Department by the Idaho Water Resource Board. Future advertisements will announce the date, place, and time of public meetings and/or hearings conducted by the Board to receive public comment.

For your convenience, notice of the meetings and/or hearings will be mailed directly to you.

Respectfully submitted,

ERNEST CARLSEN
Assistant Regional Supervisor

EC:cw

RECEIVED
DEC 16 1981

RECEIVED
SEP 8 1981
Department of Water Resources

Department of Water Resources
State of Idaho
Boise, Idaho 83700

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Dated this 30 day of August, 1981.

Donnie Cook

Pres. Teton Pipeline Assoc.

RECEIVED
SEP 9 1981
Department of Water Resources
Eastern District Office

MICROFILMED
DEC 15 1989

*INDICATES TOTAL*

| RIGHT NUMBER | NAME AND ADDRESS | PRIORITY DATE | USE | USE PERIOD FROM | USE PERIOD TO | MAX AMOUNT MAX RATE | DIVERSION POINT | PLACE OF USE AND ACREAGE | BASIS FOR RIGHT |
|---|---|---|---|---|---|---|---|---|---|
| 22-7369 | IDAHO WATER RESOURCE BOARD<br>STATEHOUSE MAIL<br>BOISE ID 83720 | 06-19-1981 | MINIMUM IN STREAM FLO | 01-01 | 12-31 | 106.00 CFS | NWNE S20 NWNE T07N R44E<br>SESW S23 T06N R44E | S20 T07N R44E | APPLICATION |
| | SOURCE: TETON RIVER<br>OTHER USES: CUTTHROAT TROUT HABITAT.<br>REMARKS: POI'S ARE LOCATION OF REACH. | | TRIBUTARY: SNAKE RIVER, HENRYS FORK | | | | | | |
| 22-7370 | IDAHO WATER RESOURCE BOARD<br>STATEHOUSE MAIL<br>BOISE ID 83720 | 06-19-1981 | MINIMUM IN STREAM FLO | 01-01 | 12-31 | 28.00 CFS | NWNE S20 NWNE T07N R44E<br>NWNW S17 T07N R45E | S20 T07N R44E | APPLICATION |
| | SOURCE: BIG CO. CREEK<br>OTHER USES: CUTTHROAT FISHERY HABITAT.<br>REMARKS: POI'S ARE LOCATED OR REACH. | | TRIBUTARY: TETON RIVER | | | | | | |
| 22-7371 | WEDGE, PAUL W.<br>270 S. 5 W.<br>RIGBY ID 83440 | 06-22-1981 | STOCKWATER | 01-01 | 12-31 | .02 CFS | NWNE S25 NWNE T06N R41E | S25 T06N R4 | APPLICATION |
| | SOURCE: GROUNDWATER<br>OTHER USES: STOCK RANGE. | | TRIBUTARY: | | | | | | |
| | | | DOMESTIC | 01-01 | 12-31 | .04 CFS | | SAME AS OTHER | |
| | | | | | | * ---*AFA<br>* .06*CFS | | | |

RECEIVED
AUG 5 1981
Department of Water Resources
Eastern District Office

RECEIVED
DEC 1 2 1984

3/79

IDENT. NO. 22 7369

# IDAHO DEPARTMENT OF WATER RESOURCES

## WATER RIGHT DATA ENTRY LOG

| Initials | Date | Item |
|---|---|---|
| tw | 7/8/81 | Original form entered |
| | | Edit Report Correct |
| | | Date Protested |
| | | Date of Hearing |
| | | Date Approved/Denied (Proof due date, stage and/or status, conditions of approval, water district) |
| | | Record Verified |
| | | Amendment Approved |
| | | Extension Approved |
| | | Partial Proof |
| | | Proof Complete |
| | | Field Exam Received |
| | | Field Exam Accepted and changes entered |
| | | License Signed |
| | | Transfer Approved |
| | | Keypunched by State Office |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

September 2, 1981

RE: Application for Permit No. 22-7369 and 22-7370

IDAHO WATER RESOURCE BOARD

Teton Valley News
Driggs,
Idaho 83422

Gentlemen:

Would you please submit an affidavit of publication and certified bill in connection with the above referenced application(s). The legal notice was to have been published in your paper on August 13, and August 20, 1981.

Your cooperation in this matter is greatly appreciated.

Very truly yours,

COLLEEN WRAY
Adm. Secretary

MICROFILMED
DEC 16 1989

# STATE OF IDAHO

## DEPARTMENT OF HEALTH AND WELFARE

DIVISION OF ENVIRONMENT
636 Pershing
Pocatello, Idaho
83201

11 August 1981

Ernest Carlsen, Asst. Rgnl. Supervisor
Department of Water Resources
150 Shoup
Idaho Falls, Idaho 83401

Re: Applications #21-7281-82-83
#22-7369-70

Dear Mr. Carlsen:

We have reviewed the following applications for permits to appropriate the public waters of the State of Idaho, submitted by the Idaho Water Resource Board, Boise.

#21-7281 - Source Fall River (Fremont County)

#21-7282 - Source Henry's Fork (Fremont County)

#21-7283 - Source Warm River (Fremont County)

#22-7369 - Source Teton River (Teton County)

#22-7370 - Source Bitch Creek (Teton County)

Permit #22-7370, Bitch Creek is an unclassified tributary to the Teton River and is appropriate for maintenance of spawning. All the streams, with the exception of Bitch Creek, are special resource waters designated for cold water biota and salmonid spawning, and are appropriate for the maintenance of a quality fishery.

We concur with any comments provided by the Department of Fish and Game concerning necessary water volumes.

If we can be of further assistance, please contact this office at #236-6160.

Sincerely,

Craig Shepard

Craig W. Shepard
Sr. Environmental Specialist

CWS/md
CC: Gordon Hopson

MICROFILMED
DEC 15 1989

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES
Eastern Region

150 Shoup Ave.
Idaho Falls, Idaho 83402
(208) 525-7161

AUGUST 6, 1981

Teton Valley News
Driggs,
Idaho 83422

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. We have allowed ample time for you to submit a galley proof to this office for review before the first publication date. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before AUGUST 31, 1981.

Yours truly,

RONALD D. CARLSON
Supervisor
Eastern Region

Encl.

MICROFILMED
DEC 15 1989

Notice is hereby given that the following application has been submitted for permit to appropriate the public waters of the State of Idaho:

NOTICE OF APPLICATION FOR MINIMUM STREAM FLOW

Notice is hereby given that the Idaho Water Resource Board has on June 19, 1981 submitted application 22-7369 for a permit to the Department of Water Resources proposing the appropriation of 106 cubic feet per second of water within the NW¼NE¼, Sec. 20, Twp. 7N, Rge. 44E, Teton County to preserve the minimum stream flow subject to all prior water rights for maintaining the present quality of fisheries and provide adequate spawning and rearing conditions year around in Teton River tributary of Henry's Fork Snake River.

Pursuant to Title 42, Chapter 15 of the Idaho Code a legal notice will be published at a later date setting a time and place for a hearing during which opportunity will be provided for public comment.

A. KENNETH DUNN

Director

Published in the Teton Valley News 8/13 & 8/20/81.

IMAGE FILMED
DEC 13 1989

July 10, 1981

RE: Applications for Permits No. 21-7281, ~~21-7282~~, 21-7283
21-7369, 22-7370

IDAHO WATER RESOURCE BOARD

State Department of Parks & Recreation
Statehouse
Boise, Idaho 83720

Gentlemen:

We are enclosing copies of applications that may be of interest to your agency. Please review the applications and submit any comments you may have to our Department as soon as possible.

If we may be of further assistance, please feel free to contact us.

Respectfully submitted,

ERNEST CARLSEN
Assistant Regional Supervisor

EC:cw:kw

Enclosures

MICROFILMED
DEC 15 1989

July 10, 1981

RE: Applications for Permits No. 21-7281, 21-7282, 21-7283
21-7369, 22-7370

IDAHO WATER RESOURCE BOARD

Mr. Tom Reinecker
Regional Supervisor
Department of Fish & Game
1515 Lincoln Road
Idaho Falls, Idaho 83401

Dear Tom:

We are enclosing copies of applications that may be of interest to your agency. Please review the applications and submit any comments you may have to our Department as soon as possible.

If we may be of further assistance, please feel free to contact us.

Respectfully submitted,

ERNEST CARLSEN
Assistant Regional Supervisor

EC:cw:kw

Enclosures

MICROFILMED
DEC 15 1989

July 10, 1981

RE: Applications for Permits No. 21-7281, 21-7282, 21-7283
21-7369, 22-7370

IDAHO WATER RESOURCE BOARD

Elmer W. Smith, P.E.
Environmental Engineer
Department of Health & Welfare
636 Pershing
Pocatello, Idaho 83201

Dear Mr. Smith:

We are enclosing copies of applications that may be of interest to your agency. Please review the applications and submit any comments you may have to our Department as soon as possible.

If we may be of further assistance, please feel free to contact us.

Respectfully submitted,

ERNEST CARLSEN
Assistant Regional Supervisor

EC:cw:kw

Enclosures

MICROFILMED
DEC 15 1989

R 334-3791

Notes on Teton River
Bitch Creek -
Proposed date of priority

June 19, 1981

Look at reductions in flow resulting from Teton Dam

Hoopes —
Rydalch —
Goddard —
Sessions —

Board resolved ~~that~~ that the agreement between Fall River Rural Electric and Fish & Game be recognized -

Recharge wells were not included - in X-cut summary -

40-90 cfs diversions through the reach for irrigation downstream -

Concern about diverted right X cut & exchange wells recognized?

Precedence of exchange right

Likely minimum flow has precedence to the exchange right

MICROFILMED
DEC 5 1989

80 cfs - Fall River Electric - 22-7482
Later in time than the minimum flow application -

Fish & Game testimony

Tim Cochnauer -
Idaho Method
Habitat vs. Discharge -
Transect placed on most critical habitat affected by discharge

Bitch Creek ½ mile downstream from upper end

Teton ½ mile downstream from upper end

Ideal flow for Bitch Creek
Bankfull discharge 55 cfs

28 cfs is necessary to main... values

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DEC 15 1989

TETON RIVER

Bankful 200 cfs
aquatic life, aesthetic, recreation values -

Change in slope above the 45° level -
Tangent is 45°

X Exam by Hoopes
Area requested - the transect a half mile below bridge is not representative of the ~~mainstem~~ Canyon itself -

Satisfactory in a reach below -
Not familiar with the stream.

At 106 cfs. much less dramatic change to wetted perimeter than to flow - but this isn't the test.

Elle Testimony

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DEC 15 1989

Highest concentration of trout flies - Fish ~~trapped in Teton~~ tagged in Bitch Creek are caught in Teton - Migratory fish that spawn.

Winter is the critical period for the trout.
Good stream - size & quantity
Water quality - affected by reduced flows -
Aesthetic beauty - Value is tied to
water in the canyon

Teton River - 20-21 inches in size
Area in Felt Dam - needed to
determine flow that would pass
fish but not allow fish w/in the
reach

Exhibit 12 (summertime of Teton
River)

Ken Nielsen - Driggs - F&G cap -

Sessions -
Supports Birch Creek ~~Teton~~ establishment -
of Teton
questions recently - will it hamper
consumptive use upstream

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DEC 15 1989

Hoopes - represents Echo Ranch
Teton Pipeline Association
Jay, Mark Ricks
& Bruce

All pumpers & irrigators here - w/exception of Ray Brown farms -
Fish & Game haven't shown need - should be denied -
Concerned on economic impact on farming operations -
Prior to 73-74 - all dry farms -
Arranged for exchange water thru the X cut canal
In public interest? No -
Hampers agricultural economy -

Erroneous study - several years old -

Area studied different that area where proposed -
Pictures identified -
Absurd -

Comments only go to Teton River

MICROFILMED
DEC 15 1989

Gene Ralston - represents Energy Gap
Preliminary Permit (FERC)
Bruce Morley
Star Rt.
Jackson, Wyoming

Just upstream from Fall River
Would like to see it postponed
May have severe economic impact

Power plant located ½ mile above Felt dam diversion
Supply fairly low cost energy to the community -
Don't know what min. flow should be yet -
36 months to conduct studies.
Time is not of the essence -
Nobody else can come in and impact.

There is a state water right application
Priority ← 22-7483 → Check the status of this -
Sept. 27, 1984 X section transect for study is representative of upper river than the lower river -

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DEC 15 1989

Glen Nelson - Tetonia, Idaho

Try to protect water rights -
Protest teton application

Priority dates -
Permit - was 1976 ☆

Is exchange of storage or groundwater
→ 1982 - several thousand gal/min.
Ronny Ard - Speak against minimum
flow on Teton -
Not enough data -
BH development -
[redacted]
Water rights - Exchange wells -
Rent storage rights -

All storage water would be null and void -

Without gaging station above & below -
Can't maintain the flows -
Drop the application until [redacted] is
answered -
More land into irrigation

MICROFILMED
DEC 15 1989

19 cfs in the reach that are junior to the
~~Teton~~ minimum flow

Mark Ricks
Canyon Creek - This is below -
Echo Ranch -

13.7 cfs during low flows -

Jay C. Ricks -
Bitch Creek - opposed to it because it is a minimum flow -

Pump in in 1977 -
Diversion is 2 miles north of the bridge 1.4 cfs -
Priority -

Kunz - Victor
Opposed to minimum flow -
Commissioner for Teton Co. - Rob taxpayers
54 ft. running at Cash Bridge
Objects to minimum filings on both streams -

Resource used heavily by the public
80% by Idaho residents -
Over 2/3 by citizens in Idaho area -

MICROFILMED
OCT 15 1989

Goddard

Cochnauer - Is it different -
Adequate to make finding.

Public Interest vs. Private

Transcript made?

Ard - - Notified of the decision

MICROFILMED
DEC 15 1989

22-2369

IDAHO WATER RESOURCE BOARD

STATEHOUSE MAIL, BOISE, ID 83720

Source: TETON RIVER tributary to SNAKE RIVER, HENRYS FORK

Date Filed: 06/19/1981

Amount: 106.00 CFS

Diversion Point: NWNE Sec 20 T 07N R 44E SESW Sec 23 T 06N R 44E,
TETON Co.

Use: MINIMUM INSTREAM FLOW (106.00 CFS) from 01/01 to 12/31

Place of Use: NWNE Sec 20 T 07N R 44E

Diversion Means: GAGING STATION.

MICROFILMED
DEC 1 5 1989

¾6025 Legl Idaho Dept of Water Resource Oct. 17 and 24 011.7 IN 10¾ 10 11:35

**LEGAL NOTICE**

Notice is hereby given that the following applications have been submitted for permit to appropriate the public waters of the State of Idaho:

NOTICE OF APPLICATION FOR MINIMUM STREAM FLOW

Notice is hereby given that the Idaho Water Resource Board has on June 19, 1981 submitted the following applications for permits to the Department of Water Resources:

No. 22-7369 proposing the appropriations of 106 cfs of water from the Teton River tributary to Henrys Fork Snake River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 9 miles to State Highway 33 in the SESW, Sec. 23, T. 6N, R. 44E.

No. 22-7370 proposing the appropriation of 28 cfs from Birch Creek tributary to Teton River. The location of the reach is the NWNE, Sec. 20, T. 7N, R. 44E, upstream approximately 6 miles to State Highway 32 in the NWNE Sec. 17, T. 7N, R. 45E, B.M., both in Teton County.

The applications were filed to protect the quality of the fisheries habitat within the specified reach on each stream.

The Director of the Department of Water Resources will hold a public hearing on the applications in the Courtroom, Teton County Courthouse, Driggs, Idaho at 9:30 a.m. November 21, 1985, for the purpose of hearing evidence in regard to the applications. The hearing will be held pursuant to the provision of Section 42-1503, Idaho Code.

Any party who wishes to formally appear at this proceeding for the purpose of presenting evidence or cross examining witnesses should file a notice of appearance with the Director of the Department of Water Resources, Statehouse, Boise, Idaho, five (5) days prior to the hearing. Other parties will be given an opportunity to informally present their views and comments without the necessity of filing a notice of appearance.

If issued the permit will be subject to all prior water rights.

A. KENNETH DUNN
Director

PUBLISH: Thursday, October 17 and 24, 1985.

LEGAL-PRUF

59744

**LEGAL NOTICE**

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If issued the permit will be subject to all prior water rights.

A. KENNETH DUNN
Director

SOURCE: TETON RIVER TRIBUTARY OF:

Water Right Number - 22-0196 Priority - 1-Jun-1902 Stage - DECREE

CANYON CREEK CANAL & IRR. CO.

County - MADISON

Total Diversion Rate - 54.000 CFS Total Diversion Volume - 54.000 AFA

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 05N | 43E | 06 | 04 | ( ) | |
| 06N | 42E | 13 | | NWSE | |
| | | | | SESE | |
| | 43E | 19 | | NWSW | |
| 05N | 43E | 06 | | | |
| 07N | 42E | 30 | | SWNE | |
| 05N | 43E | 06 | | NENW | |
| | | | 04 | ( NENW) | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| 04-01 | 11-01 | IRRIGATION | 54.000 | 54.00 |

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 07N | 41E | 25 | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | | 26 | | NESW | 40 |
| | | | | | SESW | 40 |
| | | | 34 | | NWSW | 10 |
| | | | | | SWSW | 10 |
| | | | | | NESE | 40 |
| | | | | | SESE | 40 |
| | | | 35 | | NENE | 40 |
| | | | | | NWNE | 40 |
| | | | | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | NENW | 40 |

SOURCE: TETON RIVER

TRIBUTARY OF:

| PLACE OF USE | | | | | | |
|---|---|---|---|---|---|---|
| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
| IRRIGATION | 07N | 41E | 35 | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | | 36 | | NENE | 40 |
| | | | | | NWNE | 40 |
| | | | | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | 42E | 31 | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | | 32 | | SENE | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | | 34 | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |

SOURCE: TETON RIVER TRIBUTARY OF:

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 07N | 42E | 34 | | SESW | 40 |
| | 06N | 41E | 01 | | NENE | 40 |
| | | | | | NWNE | 40 |
| | | | | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | | 02 | | NENE | 40 |
| | | | | | NWNE | 40 |
| | | | | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | | 03 | | NENE | 40 |
| | | | | | SWNE | 30 |
| | | | | | SENE | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | 11 | | NWNW | 40 |
| | | | 12 | | NENE | 40 |
| | | | | | NWNE | 40 |
| | | | | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | NESE | 40 |
| | | | | | SESE | 40 |
| | | 42E | 01 | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | 02 | | NESW | 40 |
| | | | | | NWSW | 40 |

SOURCE: TETON RIVER TRIBUTARY OF:

| PLACE OF USE | | | | | | |
|---|---|---|---|---|---|---|
| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
| IRRIGATION | 06N | 42E | 02 | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | 04 | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | | 05 | | NENE | 40 |
| | | | | | NWNE | 40 |
| | | | | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | | 06 | | NENE | 40 |
| | | | | | NWNE | 40 |
| | | | | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | | 07 | | NENE | 40 |
| | | | | | NWNE | 40 |
| | | | | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |

SOURCE: TETON RIVER TRIBUTARY OF:

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 42E | 08 | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | 09 | | NENE | 40 |
| | | | | | NWNE | 40 |
| | | | | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | 10 | | NENE | 40 |
| | | | | | NWNE | 40 |
| | | | | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | SENW | 25 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | | 11 | | SENE | 40 |
| | | | | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 10 |
| | | | | | SESW | 25 |
| | | | | | NESE | 40 |
| | | | | | SWSE | 30 |
| | | | | | SESE | 40 |
| | | | 12 | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 30 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | NESE | 30 |
| | | | | | NWSE | 30 |
| | | | | | SWSE | 30 |
| | | | | | SESE | 30 |
| | | | 13 | | NENE | 30 |
| | | | | | SENE | 30 |

WRR122
22-0196

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHTS REPORT

SOURCE: TETON RIVER

TRIBUTARY OF:

| | PLACE OF USE | | | | | |
|---|---|---|---|---|---|---|
| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
| IRRIGATION | 06N | 42E | 13 | | NESW | 10 |
| | | | | | SESW | 10 |
| | | | | | NESE | 30 |
| | | | | | NWSE | 10 |
| | | | | | SWSE | 10 |
| | | | 14 | | NENE | 25 |
| | | | | | NWNE | 15 |
| | | | | | NENW | 30 |
| | | | | | NWNW | 30 |
| | | | | | SWNW | 30 |
| | | | | | SENW | 30 |
| | | | | | NESE | 30 |
| | | | | | NWSE | 30 |
| | | | | | SWSE | 30 |
| | | | 15 | | NENE | 30 |
| | | | | | NWNE | 30 |
| | | | | | SWNE | 30 |
| | | | | | SENE | 30 |
| | | | | | NESE | 30 |
| | | | | | NWSE | 30 |
| | | | | | SWSE | 30 |
| | | | | | SESE | 30 |
| | | 43E | 07 | | NESW | 30 |
| | | | | | NWSW | 30 |
| | | | | | SWSW | 30 |
| | | | | | SESW | 30 |
| | 07N | 42E | 33 | | NENW | 40 |
| | | | | | SENW | 40 |
| | | | | | SWNW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |

Total Acres: 9990

Decree Plaintiff Name - REXBURG IRR. CO. ET AL.

Decree Defendant Name - TETON IRR. CANAL CO.

Remarks: CANYON CREEK WATER.
TRANS. #1985.
Other Rights for Same Use - 22-0195.

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SOURCE: TETON RIVER TRIBUTARY OF:

Water Right Number - 22-0428 Priority - 1-Jun-1888 Stage - DECREE

NO. SALEM AGRI. & MILLING CANAL CO.

Total Diversion Rate - 26.500 CFS Total Diversion Volume - 26.500 AFA

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 40E | 33 | | NWSW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| 04-01 | 07-01 | IRRIGATION | 26.500 | 26.50 |

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 07N | 40E | 31 | | NWSW | |
| | | | | | NESW | |
| | | | | | SWNE | |
| | | | | | NWSW | |
| | | | | | SENW | |
| | | | | | NESE | |
| | | | | | NWSE | |
| | | | | | SWSE | |
| | | | | | SESE | |
| | | | | | NENW | |
| | | | | | NWNW | |
| | | | | | SWNW | |
| | | | | | SWSW | |
| | | | | | SESW | |
| | | | 32 | | NENW | |
| | | | | | SENW | |
| | | | | | NESW | |
| | | | | | SESW | |
| | | | | | NWNW | |
| | | | | | SWNW | |
| | | | | | NWSW | |
| | | | | | SWSW | |
| | | | 29 | | SWSW | |
| | | | | | NWSW | |
| | 06N | 40E | 06 | | NENE | |
| | | | | | NWNE | |
| | | | | | NENW | |
| | | | | | NWNW | |
| | 07N | 40E | 30 | | NESE | |
| | | | | | NWSE | |
| | | | | | SWSE | |
| | | | | | SESE | |

SOURCE: TETON RIVER TRIBUTARY OF:

Remarks: P/D NORTH SALEM CANAL - WD01 RECORDS.
P/U LANDS OF MEMBERS OF ASSOCIATION.
CELIA ANDERSON - 40 AC., OSCAR H. ANDERSON - 160 AC.
MRS. HOGAN ANDERSON - 160 AC., A. W. BELNAP - 160 AC.
A. C. DILLIE - 160 AC., VICTOR C. HASTES - 160 AC.
JOHN T. HORN - 30 AC., WILLIAM LAVERY - 320 AC.
JAMES P. MORTENSEN - 80 AC., ADDISON NOLAN - 160 AC.
OSCAR OSSMAN - 160 AC., S. D. FULLMER - --.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0586 Priority - 31-May-1885 Stage - DECREE

RICHARD WINDMILL
RICHARD WITHERS
OSCAR B. YOUNG

County - FREMONT

Total Diversion Rate - 4.320 CFS

- - - - - - - - - DIVERSION POINTS - - - - - - - - -

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 40E | 46 |  | SENW |  |

- - - - - - - - - - - - - - - - - - - - - - - - - WATER USE - - - - - - - - - - - - - - - - - - - - - - -

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 4.320 |  |

- - - - - - - - - - - - - - - - - - PLACE OF USE - - - - - - - - - - - - - - - -

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 40E | 10 |  | NESW |  |
|  |  |  |  |  | NWSW |  |
|  |  |  |  |  | SWSW |  |
|  |  |  |  |  | SESW |  |
|  |  |  | 15 |  | NENW |  |
|  |  |  |  |  | NWNW |  |
|  |  |  |  |  | SWNW |  |
|  |  |  |  |  | SENW |  |

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: P/D ECKERSELL CANAL FROM DECREE, TETON ISLAND FEEDER FROM
WD01 RECORDS. AC. IRR. = 320.
Other Rights for Same Use - 22-0585.

SOURCE: TETON RIVER TRIBUTARY OF:

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0632 Priority - 1-Dec-1903

WILLIAM D. HOLLIST

Total Diversion Volume - 2.080 AFA

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 41E | 30 | | NESE | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | | 2.08 |

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 07N | 40E | 36 | | NENE | |
| | | | | | NWNE | |
| | | | | | NENW | |

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0633 Priority - 1-Dec-1903

YOSHIHISA UGAKI

Total Diversion Volume - 3.000 AFA

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | | 3.00 |

22-0633

SOURCE: TETON RIVER

TRIBUTARY OF:

| | PLACE OF USE | | | | | |
|---|---|---|---|---|---|---|
| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
| IRRIGATION | 07N | 40E | 36 | | NESW<br>SWSE | |

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

Water Right Number - 22-0001 Priority - 1-Oct-1889 Stage - DECREE

JOHN A. GARNER

Total Diversion Rate - 1.960 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 06N | 40E | 01 | | SWNW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 1.960 | |

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 40E | 29 | | NENE | |
| | | | | | NWNE | |
| | | | 20 | | NESE | |
| | | | | | NWSE | |
| | | | | | SWSE | |
| | | | | | SESE | |

Decree Plaintiff Name - JOHN GARNER Decree Defendant Name - CLYDE BALDWIN

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0002 Priority - 1-Oct-1889 Stage - DECREE

ROYAL GARN

County - FREMONT

Total Diversion Rate - 0.800 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 06N | 40E | 01 | | SWNW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | .800 | |

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 40E | 16 | | NESE<br>NWSE | |

Decree Plaintiff Name - JOHN GARNER Decree Defendant Name - CLYDE BALDWIN

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Water Right Number - 22-0003 Priority - 1-Oct-1889 Stage - DECREE

H. B. RIGBY

County - MADISON

Total Diversion Rate - 2.240 CFS

DIVERSION POINTS

| Twn | Rns | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 06N | 40E | 01 | | SWNW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 2.240 | |

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 40E | 20 | | NENE<br>NWNE<br>SWNE<br>SENE | |

Decree Plaintiff Name - JOHN GARNER Decree Defendant Name - CLYDE BALDWIN

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Water Right Number - 22-0004 Priority - 1-Oct-1889 Stage - DECREE

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 DESERT SAVINGS BANK

                                     Total Diversion Rate -      1.800 CFS

                               - - - - - - - - - DIVERSION POINTS - - - - - - - - -
                               Twn      Rng      Sec      Lot       Tract    Rediversion

                               06N      40E      01                  SWNW

       - - - - - - - - - - - - - - - - - - - - - - - -   WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
       Period From     Period To      Use                    Diversion Rate (CFS)     Diversion Volume (AFA)

           -               -         IRRIGATION                       1.800

               - - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - -
                 Use Code                      Twn      Rng       Sec       Lot       Tract      Acres

               IRRIGATION                      06N      40E       16                   SWSE
                                                                                       SESE

Decree Plaintiff Name - JOHN GARNER                    Decree Defendant Name - CLYDE BALDWIN
Remarks: P/U AC IRR=45.

*    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *

Water Right Number -  22-0005         Priority -  1-Oct-1889      Stage - DECREE

 NORTHWESTERN & PACIFIC HYPOTHEEKBANK

                                            County - MADISON

                                     Total Diversion Rate -      1.200 CFS

                               - - - - - - - - - DIVERSION POINTS - - - - - - - - -
                               Twn      Rng      Sec      Lot       Tract    Rediversion

                               06N      40E      01                  SWNW

       - - - - - - - - - - - - - - - - - - - - - - - -   WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
       Period From     Period To      Use                    Diversion Rate (CFS)     Diversion Volume (AFA)

           -               -         IRRIGATION                       1.200

               - - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - -
                 Use Code                      Twn      Rng       Sec       Lot       Tract      Acres

               IRRIGATION                      06N      40E       21                   NENE
                                                                                       NWNE
                                                                                       SWNE
```

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

Water Right Number - 22-0001 Priority - 1-Oct-1889 Stage - DECREE

JOHN A. GARNER

Total Diversion Rate - 1.960 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 06N | 40E | 01 | | SWNW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 1.960 | |

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 40E | 29 | | NENE | |
| | | | | | NWNE | |
| | | | 20 | | NESE | |
| | | | | | NWSE | |
| | | | | | SWSE | |
| | | | | | SESE | |

Decree Plaintiff Name - JOHN GARNER Decree Defendant Name - CLYDE BALDWIN

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Water Right Number - 22-0002 Priority - 1-Oct-1889 Stage - DECREE

ROYAL GARN

County - FREMONT

Total Diversion Rate - 0.800 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 06N | 40E | 01 | | SWNW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | .800 | |

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 40E | 21 | | SENE | |

Decree Plaintiff Name - JOHN GARNER
Decree Defendant Name - CLYDE BALDWIN
Remarks: P/U AC IRR=30.

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Water Right Number - 22-0006 Priority - 1-Oct-1889 Stage - DECREE

DETWEEDE N. W. & PACIFIC HYPOTHEEKBANK

County - MADISON

Total Diversion Rate - 1.000 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 06N | 40E | 01 | | SWNW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 1.000 | |

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 40E | 20 | | NESE | |
| | | | | | SESE | |
| | | | 21 | | NESW | |
| | | | | | NWSW | |

Decree Plaintiff Name - JOHN GARNER
Decree Defendant Name - CLYDE BALDWIN
Remarks: P/U AC IRR=25.

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Water Right Number - 22-0007 Priority - 17-Oct-1885 Stage - DECREE

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

CHARLES SAUREY

County - MADISON

Total Diversion Rate - 12.320 CFS

DIVERSION POINTS

| Twn | Rns | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 39E | 35 | | SESE | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 12.320 | |

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 39E | 02 | | NWNW<br>NENW | |
| | 07N | 39E | 34 | 05 | ( ) | |
| | | | 35 | | NESE<br>SESE<br>NWSW<br>SWSW<br>SESW | |

Decree Plaintiff Name - CHARLES SAUREY
Decree Defendant Name - LYNN CRANDALL, W.M.
Remarks: P/U AC IRR=308.

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Water Risht Number - 22-0008 Priority - 17-Oct-1885 Stase - DECREE

NICHOLAS SOMMER

Total Diversion Rate - 11.480 CFS

DIVERSION POINTS

| Twn | Rns | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 39E | 35 | | SESE | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 11.480 | |

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 39E | 03 | 01 | ( ) | |
| | | | | 02 | ( ) | |
| | 07N | 39E | 34 | 06 | ( ) | |
| | | | | 07 | ( ) | |
| | | | 35 | | NWNW | |
| | | | | | SWNW | |
| | | | | | NESW | |

Decree Plaintiff Name - CHARLES SAUREY Decree Defendant Name - LYNN CRANDALL, W.M.
Remarks: P/U AC IRR=288.

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Water Risht Number - 22-0009 Priority - 17-Oct-1885 Stase - DECREE

CATHERINE T. LAVERY BAKER

County - MADISON

Total Diversion Rate - 3.200 CFS

DIVERSION POINTS

| Twn | Rns | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 39E | 35 | | SESE | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 3.200 | |

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 07N | 39E | 35 | | NENW | |
| | | | | | SENW | |

Decree Plaintiff Name - CHARLES SAUREY Decree Defendant Name - LYNN CRANDALL, W.M.
Remarks: P/U AC IRR=80.

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Water Right Number -  22-0086B        Priority - 22-Jan-1916     Stage - DECREE

 CHURCH OF JESUS CHRIST LATTER DAY SAINTS
RT. 1, BOX 523
VICTOR, ID 83455

                                              County - TETON

                                       Total Diversion Rate -  16000.000 CFS

                                  - - - - - - - - - DIVERSION POINTS - - - - - - - - -
                                  Twn     Rng     Sec     Lot      Tract   Rediversion

                                  04N     45E     20               NENW

        - - - - - - - - - - - - - - - - - - - - - - - - -   WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
        Period From     Period To      Use                    Diversion Rate (CFS)     Diversion Volume (AFA)

             -               -        IRRIGATION                        1.600

                      - - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - - -
                        Use Code                        Twn     Rng     Sec     Lot     Tract      Acres

                       IRRIGATION                       04N     45E     19              NENE        40
                                                                                     Total Acres: 40

Decree Plaintiff Name - ROBERT E. GRIGGS                    Decree Defendant Name - LYNN CRANDALL, W. M.
Remarks: TRANS. #2704.  AMT: MAX. DIVERSION RATE = 0.8 CFS AND 140 AFA.
Approval Conditions:  01
                      04


*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *

Water Right Number -  22-0164         Priority -  1-Jun-1899     Stage - DECREE

JOSEPH BEASLEY

                                              County - TETON

                                       Total Diversion Rate -      1.400 CFS

                                  - - - - - - - - - DIVERSION POINTS - - - - - - - - -
                                  Twn     Rng     Sec     Lot      Tract   Rediversion
```

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 1.400 | |

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 05N | 45E | 35 | | SWSW | |
| | | | | | SESW | |
| | 04N | 45E | 03 | 02 | (NENE) | |
| | | | 02 | 02 | (NWNW) | |

Decree Plaintiff Name - REXBURG IRR. CO. ET AL. Decree Defendant Name - TETON IRR. CANAL CO.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0184 Priority - 1-Jun-1898 Stage - DECREE

DANIEL C. BRUCE

County - TETON

Total Diversion Rate - 3.200 CFS

DIVERSION POINTS

| Twn | Rns | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 3.200 | |

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 05N | 45E | 26 | | NENE | |
| | | | | | NWNE | |
| | | | | | SWNE | |
| | | | | | SENE | |

Decree Plaintiff Name - REXBURG IRR. CO. ET AL. Decree Defendant Name - TETON IRR. CANAL CO.
Remarks: AC. IRR. = 160.

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

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Water Right Number - 22-0203 Priority - 1-Apr-1898 Stage - DECREE

CITY OF REXBURG

County - MADISON

Total Diversion Rate - 33.000 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 06N | 40E | 01 | | NENW | |
| 07N | 40E | 36 | | SENW | |
| 06N | 40E | 20 | | NENE | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 33.000 | |
| - | - | POWER | 33.000 | |

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: TRANS. #97. P/U "LANDS PUBLIC & PRIVATE WITHIN THE CITY LIMITS OF REXBURG".

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Water Right Number - 22-0204C Priority - 1-Apr-1898 Stage - DECREE

CITY OF REXBURG

County - MADISON

Total Diversion Rate - 27.000 CFS

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| 04-01 | 11-01 | MUNICIPAL | 27.000 | |
| - | - | POWER | 27.000 | |

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: TRANS. 2080/2081 EXPIRED - COMBINED RT. 22-0204A & B INTO
22-0204C. P/D REXBURG CANAL. P/U FOR USE IN CITY OF REXBURG.

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Water Risht Number - 22-0221B Priority - 1-Sep-1890 Stase - DECREE

MAX RAMMELL
MERRILL RAMMELL
P.O. BOX 427
DRIGGS, ID

County - TETON

Total Diversion Rate - 0.709 CFS

DIVERSION POINTS

| Twn | Rns | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 06N | 44E | 03 | | NWSE | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | .709 | |

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 44E | 06 | | NENW | 31 |
| | | | | | NWNW | 31 |
| | | | | | SWNW | 31 |
| | | | | | SENW | 31 |
| | | | | | Total Acres: | 124 |

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: TRANS. #1905. P/D PUMP FROM TETON RIVER. SOURCE: CHANGED FROM
TRAIL CK. TO TETON RIVER BY TRANS. #1905.
Other Rishts for Same Use - 22-0222B/0245B/0435B.

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Water Right Number -  22-0222B        Priority -  1-Apr-1890     Stage - DECREE

MAX ROMMELL
MERRILL ROMMELL
P.O. BOX 427
DRIGGS, ID 83440

                                      County - TETON

                                 Total Diversion Rate -      0.709 CFS

                            - - - - - - - - - DIVERSION POINTS - - - - - - - - - -
                            Twn      Rng      Sec      Lot       Tract    Rediversion

                            06N      43E      03                  NWSE

        - - - - - - - - - - - - - - - - - - - - - - - - -  WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
        Period From      Period To       Use                          Diversion Rate (CFS)      Diversion Volume (AFA)

             -                -         IRRIGATION                                .709

                  - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - - -
                    Use Code                         Twn      Rng       Sec      Lot       Tract       Acres

                  IRRIGATION                         06N      44E       06                  NENW         31
                                                                                           NWNW         31
                                                                                           SWNW         31
                                                                                           SENW         31
                                                                                     Total Acres: 124

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL             Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: TRANS. #1905.  P/D PUMP ON TETON RIVER.  SOURCE: CHANGED FROM
     TRAIL CK. TO TETON RIVER, TANS. #1905.
Other Rights for Same Use -     22-0221B/0222B/0435B.

*    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *

Water Right Number -  22-0245B        Priority -  1-Apr-1890     Stage - DECREE

MAX ROMMELL
MERRILL ROMMELL
P.O. BOX 427
DRIGGS, ID 83440

                                      County - TETON
```

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        SOURCE: TETON RIVER                                        TRIBUTARY OF: HENRYS FORK

                          Total Diversion Rate -      0.353 CFS

                      - - - - - - - - - DIVERSION POINTS - - - - - - - - - -
                      Twn     Rng     Sec     Lot      Tract   Rediversion

                      06N     44E     03               NWSE

  - - - - - - - - - - - - - - - - - - - - - - - - - WATER USE - - - - - - - - - - - - - - - - - - - - - - -
  Period From     Period To     Use                       Diversion Rate (CFS)     Diversion Volume (AFA)

    04-01           11-01      IRRIGATION                             .353

               - - - - - - - - - - - - - - - - PLACE OF USE - - - - - - - - - - - - - - - -
                Use Code                         Twn     Rng     Sec     Lot     Tract     Acres

               IRRIGATION                        06N     44E     06              NENW       31
                                                                                 NWNW       31
                                                                                 SWNW       31
                                                                                 SENW       31
                                                                            Total Acres: 124

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL         Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: TRANS. #1905.  P/D PUMP ON TETON RIVER.  SOURCE: CHANGED FROM
     TRAIL CK. TO TETON RIVER BY TRANS. #1905.
Other Rights for Same Use -     22-0221B/0222B/0435B.

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Water Right Number -  22-0275        Priority -  1-Jun-1884     Stage - DECREE

 GOOD LUCK CANAL CO.
C/O LARRY KERBS
RT. 1
ST. ANTHONY, ID 83445

                                County - FREMONT

                          Total Diversion Rate -     10.000 CFS

                      - - - - - - - - - DIVERSION POINTS - - - - - - - - - -
                      Twn     Rng     Sec     Lot      Tract   Rediversion

                      07N     41E     28               NWNE

  - - - - - - - - - - - - - - - - - - - - - - - - - WATER USE - - - - - - - - - - - - - - - - - - - - - - -
  Period From     Period To     Use                       Diversion Rate (CFS)     Diversion Volume (AFA)

    04-01           11-01      IRRIGATION                           10.000
```

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 07N | 41E | 30 | | NWNE | 15 |
| | | | | | SWNE | 35 |
| | | | | | SENE | 35 |
| | | | | | NESE | 35 |
| | | | | | NWSE | 35 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 25 |
| | | | 29 | | SWNE | 04 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 15 |
| | | | | | NWSW | 04 |
| | | | | | NWSE | 05 |
| | | | | | Total Acres: | 328 |

Decree Plaintiff Name - REXBURG IRRIGATION CO.,
Remarks: P/D & P/U COMBINED BY TRANS. 2388.
P/D WILFORD CANAL.
Other Rights for Same Use - 22-0274.

Decree Defendant Name - TETON IRRIGATION CANAL CO.

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Water Right Number - 22-0283 Priority - 25-Mar-1901 Stase - DECREE

WILLIAM A. HAGUE

County - FREMONT

Total Diversion Rate - 2.000 CFS

DIVERSION POINTS

| Twn | Rns | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 2.000 | |

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 07N | 41E | 15 | | SENE | |
| | | | 14 | | NWSW | |
| | | | | | SWNW | |

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

Decree Plaintiff Name - REXBURG IRR. CO. ET AL Decree Defendant Name - TETON IRR. CANAL CO.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0288B Priority - 15-May-1883 Stage - DECREE

SALEM IRRIGATING CO.

County - FREMONT

Total Diversion Rate - 1.600 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 40E | 36 | | SENW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| 04-01 | 11-01 | IRRIGATION | 1.600 | |

Decree Plaintiff Name - REXBURG IRRIGATION COMPANY Decree Defendant Name - TETON IRRIGATION CANAL CO.
Remarks: P/D TETON ISLAND CANAL.
P/U LANDS OF STOCKHOLDERS OF SALEM IRRIGATING CO.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0288C Priority - 15-May-1883 Stage - DECREE

TETON ISLAND CANAL CO.

County - FREMONT

Total Diversion Rate - 1.590 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 40E | 36 | | SENW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| 04-01 | 11-01 | IRRIGATION | 1.590 | |

```
 22-0288C
               SOURCE: TETON RIVER                                      TRIBUTARY OF: HENRYS FORK

Decree Plaintiff Name - REXBURG IRRIGATION COMPANY          Decree Defendant Name - TETON IRRIGATION CANAL CO.
Remarks: P/U LANDS OF STOCKHOLDERS OF TETON ISLAND CANAL CO.
         P/D TETON ISLAND CANAL.
         RIGHT 22-0288A LESS TRANS. 2116.
Other Rights for Same Use -     22-0551A/0552A/0553A.

*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *

Water Right Number -  22-0288D        Priority - 15-May-1883     Stage - DECREE

 EHCO RANCH INC.
BOX 688
REXBURG, ID 83440

                                                        County - TETON

                                             Total Diversion Rate -       0.010 CFS

                                        - - - - - - - - - DIVERSION POINTS - - - - - - - - - -
                                        Twn       Rng       Sec       Lot        Tract    Rediversion

                                        06N       44E       15                   SESE

            - - - - - - - - - - - - - - - - - - - - - - - - -    WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
            Period From       Period To        Use                       Diversion Rate (CFS)      Diversion Volume (AFA)

              04-01             11-01        IRRIGATION                              .010

                          - - - - - - - - - - - - - - - - -   PLACE OF USE  - - - - - - - - - - - - - - - - -
                             Use Code                          Twn       Rng        Sec       Lot       Tract      Acres

                           IRRIGATION                          06N       44E        20                  NENE        40
                                                                                                        NWNE        40
                                                                                                        SWNE        40
                                                                                                        SENE        40
                                                                                                        NENW        40
                                                                                                        NWNW        40
                                                                                                        SWNW        40
                                                                                                        SENW        40
                                                                                                        NESW        40
                                                                                                        NWSW        40
                                                                                                        SWSW        40
                                                                                                        SESW        40
                                                                                                        NESE        40
                                                                                                        NWSE        40
                                                                                                        SWSE        40
                                                                                                        SESE        40
                                                                                                   Total Acres: 640
```

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Decree Plaintiff Name - REXBURG IRRIGATION COMPANY          Decree Defendant Name - TETON IRRIGATION CANAL CO.
Remarks: TRANS. 2116.
      P/D TETON PIPELINE #4.
Other Rights for Same Use -     22-0551B/0552B/0553B.

*  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *

Water Right Number -  22-0319         Priority -  1-May-1884     Stage - DECREE

 HILL DITCH CO.
                                                      County - TETON

                                             Total Diversion Rate -      6.960 CFS

                                        - - - - - - - - - DIVERSION POINTS - - - - - - - - -
                                        Twn      Rng      Sec      Lot       Tract    Rediversion

                                        07N      40E      36                 SENW

    - - - - - - - - - - - - - - - - - - - - - - - - -  WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
    Period From      Period To        Use                       Diversion Rate (CFS)      Diversion Volume (AFA)

         -                -         IRRIGATION                          6.960

                    - - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - -
                       Use Code                         Twn      Rng        Sec      Lot      Tract      Acres

                    IRRIGATION                          06N      40E        03                NESW
                                                                                              NWSW
                                                                                              SWSW
                                                                                              SESW
                                                                            04                NESE
                                                                                              NWSE
                                                                                              SWSE
                                                                                              SESE

Decree Plaintiff Name - REXBURG IRR. CO. ET AL              Decree Defendant Name - TETON IRR. CANAL CO.
Remarks: P/D WD01 RECORDS.  AC. IRR. = 320.

*  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *

Water Right Number -  22-0320         Priority -  1-Apr-1898     Stage - DECREE
```

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

HILL DITCH CO.

County - TETON

Total Diversion Rate - 12.000 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 40E | 36 | | SENW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 12.000 | |

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 40E | 03 | | NESW | |
| | | | | | NWSW | |
| | | | | | SWSW | |
| | | | | | SESW | |
| | | | 04 | | NESE | |
| | | | | | NWSE | |
| | | | | | SWSE | |
| | | | | | SESE | |

Decree Plaintiff Name - REXBURG IRR. CO. ET AL
Decree Defendant Name - TETON IRR. CANAL CO.
Remarks: P/D WD01 RECORDS. AC. IRR. = 320.
Other Rights for Same Use - 22-0319.

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Water Right Number - 22-0415 Priority - 1-Apr-1898 Stage - DECREE

CHRISTIAN MORTENSEN

County - TETON

Total Diversion Rate - 4.360 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 4.360 | |

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 40E | 10 | | NENE<br>NWNE<br>SENE<br>SWNE | |

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: AC. IRR. = 160.
P/D NELSON-JACOBS DITCH.
Other Rights for Same Use - 22-0416.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0416 Priority - 1-May-1889 Stage - DECREE

CHRISTIAN MORTENSEN

County - TETON

Total Diversion Rate - 2.240 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 2.240 | |

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 40E | 10 | | NENE<br>NWNE<br>SENE<br>SWNE | |

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: AC. IRR. = 160.
P/D NELSON-JACOBS DITCH.

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

Other Rights for Same Use - 22-0415.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0425A Priority - 1-May-1885 Stage - DECREE

RAY G. RICKS
JOEANN RICKS
MARK RICKS
CHRIS P. RICKS
P.O. BOX 6
FELT, ID

County - TETON

Total Diversion Rate - 2.880 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 06N | 44E | 15 | | NENW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| 04-01 | 11-01 | IRRIGATION | 2.880 | |

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 44E | 15 | | SWNW | 40 |
| | | | | | NWSW | 40 |
| | | | 16 | | NENE | 40 |
| | | | | | NWNE | 40 |
| | | | | | Total Acres: | 160 |

Decree Plaintiff Name - REXBURG IRR. CO. ET AL.,
Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: TRANS. 2062.
Approval Conditions: 01

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Water Right Number - 22-0454 Priority - 1-Apr-1898 Stage - DECREE

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 22-0454
                 SOURCE: TETON RIVER                                 TRIBUTARY OF: HENRYS FORK

PINCOCK-BYINGTON DITCH CO.

                                          County - TETON

                                   Total Diversion Rate -     14.000 CFS

                              - - - - - - - - - DIVERSION POINTS - - - - - - - - - -
                              Twn     Rng     Sec     Lot      Tract   Rediversion

                              07N     40E     36               NWNE

         - - - - - - - - - - - - - - - - - - - - - - -   WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
         Period From     Period To       Use                   Diversion Rate (CFS)     Diversion Volume (AFA)

              -               -         IRRIGATION                       14.000

                   - - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - -
                     Use Code                           Twn     Rng      Sec     Lot      Tract      Acres

                    IRRIGATION                          07N     40E      25               NESE
                                                                                          NWSE
                                                                                          SWSE
                                                                                          SESE
                                                                         35               NENE
                                                                                          NWNE
                                                                                          SWNE
                                                                                          SENE
                                                                                          NENW
                                                                                          NWNW
                                                                                          SWNW
                                                                                          SENW
                                                                         34               NENE
                                                                                          NWNE
                                                                                          SWNE
                                                                                          SENE

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL            Decree Defendant Name - TETON IRR. CANAL CO. ET A
Remarks: AC. IRR. = 640.
      P/D PINCOCK BYINGTON CANAL - WD01 RECORDS.
Other Rights for Same Use -      22-0455.

*  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *

Water Right Number -  22-0456         Priority -  1-Apr-1898     Stage - DECREE
```

```
                          SOURCE: TETON RIVER                                  TRIBUTARY OF: HENRYS FORK

 PIONEER DITCH CO.

                                                     County - TETON

                                          Total Diversion Rate -     18.000 CFS

                                     - - - - - - - - - DIVERSION POINTS - - - - - - - - - -
                                     Twn      Rng      Sec      Lot       Tract    Rediversion

                                     07N      41E      29                 SWNW

       - - - - - - - - - - - - - - - - - - - - - - - - -  WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
       Period From      Period To        Use                        Diversion Rate (CFS)      Diversion Volume (AFA)

            -                -          IRRIGATION                          18.000

                       - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - -
                          Use Code                         Twn      Rng      Sec      Lot     Tract      Acres

                         IRRIGATION                        07N      41E      30                NENW
                                                                                       01     (NWNW)
                                                                                       02     (SWNW)
                                                                                               SENW
                                                                                       03     (NWSW)
                                                                                       04     (SWSW)
                                                                                               SESW
                                                                                               NWSE
                                                                                               SWSE
                                                                             25                SWNE
                                                                                               SENE
                                                                                               NESW
                                                                                               NWSW
                                                                                               SWSW
                                                                                               SESW

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL           Decree Defendant Name - TETON IRR. CANAL CO. ET A
Remarks: P/D PIONEER DITCH - WD01 RECORDS.
Other Rights for Same Use -      22-0457.

*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *

Water Right Number -  22-0491B         Priority -  1-Jun-1879      Stage - DECREE
```

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

WINFIELD MC LEAN

County - FREMONT

Total Diversion Rate = 1.692 CFS

DIVERSION POINTS

| Twn | Rns | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 40E | 36 | | SENW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 1.692 | |

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 40E | 03<br>09<br>10 | | | |

Decree Plaintiff Name - REXBURG IRR. CO. ET AL

Decree Defendant Name - TETON IRR. CANNAL CO. ET AL.

Remarks: TRANS. #581.
P/D TETON ISLAND FEEDER.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0492 Priority - 1-Jun-1885 Stage - DECREE

ROXANA CANAL CO.

County - MADISON

Total Diversion Rate = 16.000 CFS

DIVERSION POINTS

| Twn | Rns | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 06N | 40E | 06 | | NENE | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 16.000 | |

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: P/U LANDS OF STOCKHOLDERS.
P/D TETON ISLAND FEEDER CANAL, DESCRIPTION FROM WD01 RECORDS.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0494 Priority - 1-Jun-1885 Stage - DECREE

SALEM IRR. CANAL CO.

County - FREMONT

Total Diversion Rate - 160.000 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 40E | 36 | | SENW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 160.000 | |

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: P/D WD01 RECORDS.
P/U LANDS OF STOCKHOLDERS.

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Water Right Number - 22-0495 Priority - 1-Jun-1885 Stage - DECREE

SALEM IRR. CANAL CO.

County - FREMONT

Total Diversion Rate - 80.000 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 40E | 36 | | SENW | |

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     - - - - - - - - - - - - - - - - - - - - - - - - -  WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
     Period From     Period To      Use                   Diversion Rate (CFS)     Diversion Volume (AFA)

          -               -        IRRIGATION                       80.000

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL         Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: P/D WD01 RECORDS.
         P/U LANDS OF STOCKHOLDERS.

*  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *

Water Right Number -  22-0510        Priority -  1-Jun-1891     Stage - DECREE

 SIDDOWAY-BRIGGS CO.

                                    Total Diversion Rate -      52.000 CFS

                               - - - - - - - - - DIVERSION POINTS - - - - - - - - -
                               Twn     Rng     Sec     Lot      Tract   Rediversion


     - - - - - - - - - - - - - - - - - - - - - - - - -  WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
     Period From     Period To      Use                   Diversion Rate (CFS)     Diversion Volume (AFA)

          -               -        IRRIGATION                       52.000

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL         Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Other Rights for Same Use -     22-0511.

*  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *

Water Right Number -  22-0511        Priority -  1-Jun-1903     Stage - DECREE

 SIDDOWAY-BRIGGS CO.

                                    Total Diversion Rate -      84.000 CFS

                               - - - - - - - - - DIVERSION POINTS - - - - - - - - -
                               Twn     Rng     Sec     Lot      Tract   Rediversion
```

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 84.000 | |

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL
Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Other Rights for Same Use - 22-0510.

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Water Right Number - 22-0512 Priority - 1-Apr-1898 Stage - DECREE

SIDDOWAY IRR. & MFG. CO.

County - FREMONT

Total Diversion Rate - 15.320 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 41E | 28 | | NENE | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 15.320 | |

Decree Plaintiff Name - REXBURG IRRIGATION CO. ET AL
Decree Defendant Name - TETON IRR. CANAL CO. ET AL
Remarks: P/U LANDS OF STOCKHOLDERS. P/D SIDDOWAY CANAL, WD01 RECORDS.

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Water Right Number - 22-0513 Priority - 1-Jul-1891 Stage - DECREE

SIDDOWAY IRRIGATION & MANUFACTURING CO.

County - FREMONT

Total Diversion Rate - 6.000 CFS

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 41E | 28 | | NENE | |

Decree Plaintiff Name - REXBURG IRR. CO. ET AL
Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: P/D SIDDOWAY CANAL, WD 01 RECORDS.
P/U LANDS OF STOCKHOLDERS.
TRANS. 1709 DENIED, TRANS 2088 EXPIRED.
Other Rights for Same Use - 22-0512, 22-0514.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0514 Priority - 1-Jun-1892 Stage - DECREE

SIDDOWAY IRRIGATION & MANUFACTURING CO.

County - FREMONT

Total Diversion Rate - 7.680 CFS

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| 07-01 | 11-01 | IRRIGATION | 7.680 | |

Decree Plaintiff Name - REXBURG IRR. CO. ET AL
Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: P/D SIDDOWAY CANAL, WD 01 RECORDS.
P/U LANDS OF STOCKHOLDERS.
TRANS. 2088 EXPIRED.
Other Rights for Same Use - 22-0512, 22-0513.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0537A Priority - 1-Apr-1898 Stage - DECREE

MARY H. BIRCH

County - TETON

Total Diversion Rate - 8.310 CFS

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| 04-01 | 11-01 | IRRIGATION | 8.310 | |

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 07N | 41E | 30 | | NESW | |

Decree Plaintiff Name - REXBURG IRR. CO. ET AL
Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: P/U LANDS UNDER STEWART DITCH.
RT. 22-0577 LESS TRANS. 2063.

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Water Right Number - 22-0537B Priority - 1-Apr-1898 Stage - DECREE

CAL M. OLSEN
RT. 1
ST. ANTHONY, ID 83445

County - FREMONT

Total Diversion Rate - 1.690 CFS

DIVERSION POINTS

| Twn | Rns | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 42E | 23 | | NWSE | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| 04-01 | 11-01 | IRRIGATION | 1.690 | |

PLACE OF USE

| Use Code | Twn | Rns | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 07N | 42E | 11 | | NENW | 40 |
| | | | | | SENW | 40 |
| | | | 02 | | NENE | 40 |
| | | | | | SENE | 40 |
| | | | | | NESW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |

```
                  - - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - - -
                    Use Code                         Twn     Rng       Sec      Lot      Tract       Acres

                  IRRIGATION                         07N     42E       01                 NESW         10
                                                                                          NWSW         40
                                                                                          SWSW         40
                                                                                          SESW         10
                                                                                       Total Acres: 500

Decree Plaintiff Name - REXBURG IRR. CO. ET AL              Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: P/D PUMP ON TETON RIVER.
          TRANS. 2063.
          AMT: NO MORE THAN 54 AF DIVERTED/YR WITH 22-0538B.
Approval Conditions:  01
Other Rights for Same Use -     22-0538B.

*    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *

Water Right Number -  22-0538A        Priority -  1-Jun-1884     Stage - DECREE

SAMUEL STEWART

                                                  County - FREMONT

                                           Total Diversion Rate -      4.160 CFS

           - - - - - - - - - - - - - - - - - - - - - - - -   WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
           Period From      Period To       Use                        Diversion Rate (CFS)     Diversion Volume (AFA)

             04-01            11-01       IRRIGATION                            4.160
                  - - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - - -
                    Use Code                         Twn     Rng       Sec      Lot      Tract       Acres

                  IRRIGATION                         07N     40E       25                 NESE         23
                                                                                          NWSE         30
                                                                                          SWSE         40
                                                                                          SESE         40
                                                                                       Total Acres: 133

Decree Plaintiff Name - REXBURG IRR. CO. ET AL              Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: RT. 22-0538 LESS TRANS. 2063.

*    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *
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               SOURCE: TETON RIVER                                            TRIBUTARY OF: HENRYS FORK

Water Right Number -  22-0538B        Priority -  1-Jun-1884     Stage - DECREE

CAL M. OLSEN

                                              County - FREMONT

                                       Total Diversion Rate -      0.840 CFS

                                  - - - - - - - - - DIVERSION POINTS - - - - - - - - -
                                  Twn      Rng      Sec      Lot       Tract    Rediversion

                                  07N      42E      23                 NWSE
          - - - - - - - - - - - - - - - - - - - - - - - - -    WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
          Period From      Period To      Use                          Diversion Rate (CFS)     Diversion Volume (AFA)

            04-01            11-01       IRRIGATION                                .840
                      - - - - - - - - - - - - - - - - - PLACE OF USE  - - - - - - - - - - - - - - - - -
                        Use Code                            Twn      Rng       Sec      Lot      Tract      Acres

                       IRRIGATION                           07N      42E       11                NENW        40
                                                                                                 SENW        40
                                                                               02                NENE        40
                                                                                                 SENE        40
                                                                                                 NESW        40
                                                                                                 SESW        40
                                                                                                 NESE        40
                                                                                                 NWSE        40
                                                                                                 SWSE        40
                                                                                                 SESE        40
                                                                               01                NESW        10
                                                                                                 NWSW        40
                                                                                                 SWSW        40
                                                                                                 SESW        10
                                                                                              Total Acres: 500

Decree Plaintiff Name - REXBURG IRR. CO. ET AL                     Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: TRANS. 2063.
           P/D PUMP ON TETON RIVER.
           AMT: NO MORE THAN 54 AF DIVERTED/YR WITH 22-0537B.
Approval Conditions:  01
Other Rights for Same Use -     22-0537B.

*  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *
```

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Water Right Number -  22-0548          Priority -  1-Jun-1884

 TETON IRR. & MFG. CO.

                                              County - FREMONT

                                 - - - - - - - - - DIVERSION POINTS - - - - - - - - - -
                                 Twn      Rns      Sec      Lot       Tract    Rediversion

                                 07N      41E      28                 SWNW

     - - - - - - - - - - - - - - - - - - - - - - - - -   WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
     Period From      Period To        Use                    Diversion Rate (CFS)     Diversion Volume (AFA)

         -                -          IRRIGATION                      44.040

Remarks: P/D TETON IRR. CANAL, WD01 RECORDS.  TRANS. #2082 - EXPIRED.
         P/U LANDS OF STOCKHOLDERS.
Other Rights for Same Use -     22-0549.

*    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *

Water Right Number -  22-0549          Priority -  2-Oct-1889     Stage - DECREE

 TETON IRRIGATION & MANUFACTURING CO.

                                              County - FREMONT

                                    Total Diversion Rate -     10.000 CFS

                                 - - - - - - - - - DIVERSION POINTS - - - - - - - - - -
                                 Twn      Rns      Sec      Lot       Tract    Rediversion

                                 07N      41E      28                 SWNW

     - - - - - - - - - - - - - - - - - - - - - - - - -   WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
     Period From      Period To        Use                    Diversion Rate (CFS)     Diversion Volume (AFA)

         -                -          IRRIGATION                      10.000

Decree Plaintiff Name - REXBURG IRR. CO. ET AL             Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: P/U LANDS OF STOCKHOLDERS.
         P/D TETON IRR. CANAL, WD 01 RECORDS.
         TRANS. 2082 EXPIRED.
Other Rights for Same Use -     22-0548.
```

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

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Water Right Number - 22-0550A Priority - 1-Jun-1884 Stage - DECREE

TETON IRRIGATION & MANUFACTURING CO.

County - FREMONT

Total Diversion Rate - 108.000 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 41E | 28 | | SWNW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| - | - | IRRIGATION | 108.000 | |

Decree Plaintiff Name - REXBURG IRR. CO. ET AL

Decree Defendant Name - TETON IRR. CANAL CO. ET AL.

Remarks: RT. 22-0550 LESS TRANS. 649.
P/D TETON IRRIGATION CANAL.
P/U LANDS OF STOCKHOLDERS.

Other Rights for Same Use - 22-0548, 22-0549.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0550B Priority - 1-Jun-1884 Stage - DECREE

SIDDOWAY IRRIGATION & MANUFACTURING CO.

County - FREMONT

Total Diversion Rate - 12.000 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 41E | 20 | | NENE | |

```
 22-0550B
             SOURCE: TETON RIVER                                             TRIBUTARY OF: HENRYS FORK

      - - - - - - - - - - - - - - - - - - - - - - - - -   WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
      Period From     Period To       Use                     Diversion Rate (CFS)      Diversion Volume (AFA)

           -               -          IRRIGATION                        12.000

Decree Plaintiff Name - REXBURG IRR. CO. ET AL               Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: TRANS. 649.
         P/U LANDS OF STOCKHOLDERS.
Other Rights for Same Use -      22-0512, 22-0513, 22-0514.

*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *

Water Right Number -  22-0551A        Priority -  1-Apr-1898     Stage - DECREE

 TETON ISLAND CANAL CO.

                                              County - FREMONT

                                       Total Diversion Rate -    158.380 CFS

                                  - - - - - - - - - DIVERSION POINTS - - - - - - - - - -
                                  Twn      Rng      Sec      Lot       Tract    Rediversion

                                  07N      40E      36                  SENW
      - - - - - - - - - - - - - - - - - - - - - - - - -   WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
      Period From     Period To       Use                     Diversion Rate (CFS)      Diversion Volume (AFA)

         04-01           11-01        IRRIGATION                       158.380

Decree Plaintiff Name - REXBURG IRR. CO. ET AL               Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: RT. 22-0551 LESS TRANS. 2116.
         P/U LANDS OF STOCKHOLDERS.
         P/D TETON ISLAND CANAL.
Other Rights for Same Use -      22-0288, 22-0552A, 22-0553A.

*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *

Water Right Number -  22-0551B        Priority -  1-Apr-1898     Stage - DECREE
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 EHCO RANCH INC.
P.O. BOX 688
REXBURG, ID 83440

                                              County - TETON

                                       Total Diversion Rate -      1.260 CFS

                                 - - - - - - - - - DIVERSION POINTS - - - - - - - - -
                                 Twn     Rng     Sec     Lot       Tract   Rediversion

                                 06N     44E     15                 SESE

          - - - - - - - - - - - - - - - - - - - - - - - - -   WATER USE  - - - - - - - - - - - - - - - - - - - - - - - - -
          Period From      Period To        Use                   Diversion Rate (CFS)      Diversion Volume (AFA)

            04-01            11-01        IRRIGATION                        1.260

                      - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - - -
                        Use Code                          Twn     Rng       Sec      Lot      Tract      Acres

                      IRRIGATION                          06N     44E       20                 NENE        40
                                                                                               NWNE        40
                                                                                               SWNE        40
                                                                                               SENE        40
                                                                                               NENW        40
                                                                                               NWNW        40
                                                                                               SWNW        40
                                                                                               SENW        40
                                                                                               NESW        40
                                                                                               NWSW        40
                                                                                               SWSW        40
                                                                                               SESW        40
                                                                                               NESE        40
                                                                                               NWSE        40
                                                                                               SWSE        40
                                                                                               SESE        40
                                                                                           Total Acres: 640

Decree Plaintiff Name - REXBURG IRR. CO. ET AL                    Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: TRANS. 2116.
         P/D TETON PIPELINE ASSOC. #4.
Other Rights for Same Use -     22-0288D, 22-0552B, 22-0553B.


*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *


Water Right Number -  22-0552A        Priority -  1-Mar-1883     Stage - DECREE
```

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 TETON ISLAND CANAL CO.

                                             County - FREMONT

                                       Total Diversion Rate -     10.280 CFS

                                  - - - - - - - - - DIVERSION POINTS - - - - - - - - -
                                  Twn      Rng      Sec      Lot       Tract   Rediversion

                                  07N      40E      36                  SENW

          - - - - - - - - - - - - - - - - - - - - - - - - -  WATER USE  - - - - - - - - - - - - - - - - - - - - - - - -
       Period From     Period To       Use                        Diversion Rate (CFS)     Diversion Volume (AFA)

          04-01          11-01      IRRIGATION                           10.280

Decree Plaintiff Name - REXBURG IRR. CO. ET AL                   Decree Defendant Name - TETON IRR. CANAL CO., ET AL.
Remarks: P/U LANDS OF STOCKHOLDERS OF TETON ISLAND CANAL CO.
         P/U TETON ISLAND CANAL.
         RT. 22-0552 LESS FROM TRANS. 2116.
Other Rights for Same Use -     22-0288C, 22-0551A, 22-0553A.


 *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *    *


Water Right Number -  22-0552B         Priority -  1-Mar-1883     Stage - DECREE

 EHCO RANCH INC.
P.O. BOX 688
REXBURG, ID 83440

                                             County - TETON

                                       Total Diversion Rate -      0.080 CFS

                                  - - - - - - - - - DIVERSION POINTS - - - - - - - - -
                                  Twn      Rng      Sec      Lot       Tract   Rediversion

                                  06N      44E      15                  SESE

          - - - - - - - - - - - - - - - - - - - - - - - - -  WATER USE  - - - - - - - - - - - - - - - - - - - - - - - -
       Period From     Period To       Use                        Diversion Rate (CFS)     Diversion Volume (AFA)

           -              -         IRRIGATION                             .080

                      - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - - -
                         Use Code                      Twn      Rng       Sec      Lot      Tract      Acres

                       IRRIGATION                      06N      44E       20                NENE        40
                                                                                            NWNE        40
```

SOURCE: TETON RIVER TRIBUTARY OF: HENRYS FORK

PLACE OF USE

| Use Code | Twn | Rng | Sec | Lot | Tract | Acres |
|---|---|---|---|---|---|---|
| IRRIGATION | 06N | 44E | 20 | | SWNE | 40 |
| | | | | | SENE | 40 |
| | | | | | NENW | 40 |
| | | | | | NWNW | 40 |
| | | | | | SWNW | 40 |
| | | | | | SENW | 40 |
| | | | | | NESW | 40 |
| | | | | | NWSW | 40 |
| | | | | | SWSW | 40 |
| | | | | | SESW | 40 |
| | | | | | NESE | 40 |
| | | | | | NWSE | 40 |
| | | | | | SWSE | 40 |
| | | | | | SESE | 40 |
| | | | | | Total Acres: | 640 |

Decree Plaintiff Name - REXBURG IRR. CO. ET AL
Decree Defendant Name - TETON IRR. CANAL CO. ET AL.
Remarks: TRANS. 2116.
P/D TETON PIPELINE ASSOC. #4.
Other Rights for Same Use - 22-0280D, 22-0551B, 22-0553B.

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

Water Right Number - 22-0553A Priority - 22-May-1884 Stage - DECREE

TETON ISLAND CANAL CO.

County - FREMONT

Total Diversion Rate - 69.450 CFS

DIVERSION POINTS

| Twn | Rng | Sec | Lot | Tract | Rediversion |
|---|---|---|---|---|---|
| 07N | 40E | 36 | | SENW | |

WATER USE

| Period From | Period To | Use | Diversion Rate (CFS) | Diversion Volume (AFA) |
|---|---|---|---|---|
| 04-01 | 11-01 | IRRIGATION | 69.450 | |

Decree Plaintiff Name - REXBURG IRR. CO. ET AL
Decree Defendant Name - TETON IRR CANAL CO. ET AL.
Remarks: P/U LANDS OF STOCKHOLDERS OF TETON ISLAND CANAL CO.
P/U TETON ISLAND CANAL.
TRANS. 2116.

```
Other Rights for Same Use -     22-0288C, 22-0551A, 22-0552A.

*   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *   *

Water Right Number -  22-0553B       Priority - 22-May-1884      Stage - DECREE

 EHCO RANCH INC.
P.O. BOX 688
REXBURG, ID 83440
                                                County - TETON

                                        Total Diversion Rate -       0.550 CFS

                                   - - - - - - - - - DIVERSION POINTS - - - - - - - - - -
                                   Twn       Rng      Sec      Lot       Tract    Rediversion

                                   06N       44E      15                  SESE

       - - - - - - - - - - - - - - - - - - - - - - - - -   WATER USE  - - - - - - - - - - - - - - - - - - - - - - -
       Period From      Period To      Use                           Diversion Rate (CFS)      Diversion Volume (AFA)

          04-01           11-01      IRRIGATION                                 .550
                   - - - - - - - - - - - - - - - - -  PLACE OF USE  - - - - - - - - - - - - - - - -
                     Use Code                           Twn      Rng       Sec      Lot      Tract       Acres

                   IRRIGATION                           06N      44E       20                NENE         40
                                                                                             NWNE         40
                                                                                             SWNE         40
                                                                                             SENE         40
                                                                                             NENW         40
```

01 Water Right Number - 22-7505 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - HOOPES | 04001 - J. CLINT | 05001 - C |

06 Add Line 1 - P.O. BOX 98 07 Add Line 2 -

08 Add Line 3 - 09 City - TETONIA 10 State - ID 11 ZIP - 83452

12 Stage - A APPLICATION 13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - HENRYS FORK |

16 Diversion Means - DIVERSION PUMPS THROUGH CLEMENTSVILLE PIPELINE TO CENTER PIVOT. 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 6.400 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rflg | STREAM INDEX FIELDS |
|---|---|---|---|---|---|---|
| 22001 - NWSE | 23001 - 03 | 24001 - 06N | 25001 - 44E | 26001 - | 27001 - | |
| | 28001 - 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 0.0 0.0 0 0 0 0.0 |

29 Non-Irrigation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 01 IRRIGATION | 31001 - 07N | 32001 - 43E | 33001 - 27 | 34001 - NESW | 35001 - 40 | 36001 - |
| 30002 - 01 IRRIGATION | 31002 - 07N | 32002 - 43E | 33002 - 27 | 34002 - NWSW | 35002 - 40 | 36002 - |
| 30003 - 01 IRRIGATION | 31003 - 07N | 32003 - 43E | 33003 - 27 | 34003 - SWSW | 35003 - 40 | 36003 - |
| 30004 - 01 IRRIGATION | 31004 - 07N | 32004 - 43E | 33004 - 27 | 34004 - SESW | 35004 - 40 | 36004 - |
| 30005 - 01 IRRIGATION | 31005 - 07N | 32005 - 43E | 33005 - 28 | 34005 - NESE | 35005 - 40 | 36005 - |
| 30006 - 01 IRRIGATION | 31006 - 07N | 32006 - 43E | 33006 - 28 | 34006 - NWSE | 35006 - 40 | 36006 - |
| 30007 - 01 IRRIGATION | 31007 - 07N | 32007 - 43E | 33007 - 28 | 34007 - SWSE | 35007 - 40 | 36007 - |
| 30008 - 01 IRRIGATION | 31008 - 07N | 32008 - 43E | 33008 - 28 | 34008 - SESE | 35008 - 40 | 36008 - |

Total Acres: 320

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0401 | 38001 - 1101 | 39001 - 01 IRRIGATION | 40001 - 6.400 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 -

Approval Conditions: 45001 -

46 Other Rights for Same Use -

| DATES | | | DATES | | | FLAGS | | |
|---|---|---|---|---|---|---|---|---|
| 47 | Priority | 1-Jul-1985 | 55 | License | | 63 | Transfer/Amended | |
| 48 | Proof Due | | 56 | Appl Received | | 64 | DLE/Carey Act | |
| 49 | Proof Made | | 57 | Field Exam Made | | 65 | Flag_1 | |
| 50 | Approve/Denied | | 58 | Decree | | 66 | Flag_2 | |
| 51 | Protested | | 59 | Start Work | | 67 | Flag_3 | |
| 52 | Hearing | | 60 | Order Show Cause | | | | |
| 53 | Verified | | 61 | Date_1 | | | | |
| 54 | Last Update | 5-Aug-1985 | 62 | Date_2 | | | | |

01 Water Risht Number - 22-7483 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - ENERGY GAP INC.,, | 04001 - | 05001 - C |

06 Add Line 1 - P.O. BOX 32 07 Add Line 2 -

08 Add Line 3 - 09 City - GOODING 10 State - ID 11 ZIP - 83330

12 Stase - A APPLICATION 13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - HENRYS FORK SNAKE RIVER |

16 Diversion Means - NATURAL TOPOGRAPHIC FEATURES/CONCRETE OR ROCK STRUCTURE 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 650.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rns | Lot | Rfls | STREAM INDEX FIELDS |
|---|---|---|---|---|---|---|
| 22001 - SESW | 23001 - 34 | 24001 - 07N | 25001 - 44E | 26001 - | 27001 - | |
| | | | | 28001 - 0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 0.0 | |

29 Non-Irrisation Use -

PLACE OF USE

| Use Code / Use | Twn | Rns | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 28 POWER | 31001 - 07N | 32001 - 44E | 33001 - 28 | 34001 - SWNW | 35001 - | 36001 - |

Total Acres: 0

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0101 | 38001 - 1231 | 39001 - 28 POWER | 40001 - 650.000 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 - 8500 KW UNDER 248 FT. OF HEAD

Approval Conditions: 45001 -

46 Other Rights for Same Use -

| DATES | | DATES | | FLAGS | |
|---|---|---|---|---|---|
| 47 Priority | - 27-Sep-1984 | 55 License | - | 63 Transfer/Amended | - |
| 48 Proof Due | - | 56 Appl Received | - | 64 DLE/Carey Act | - |
| 49 Proof Made | - | 57 Field Exam Made | - | 65 Flag_1 | - |
| 50 Approve/Denied | - | 58 Decree | - | 66 Flag_2 | - |
| 51 Protested | - 2-Jan-1985 | 59 Start Work | - | 67 Flag_3 | - |
| 52 Hearing | - | 60 Order Show Cause | - | | |
| 53 Verified | - | 61 Date_1 | - | | |
| 54 Last Update | - 29-Oct-1985 | 62 Date_2 | - | | |

01 Water Right Number - 22-7392 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - EHCO RANCH | 04001 - | 05001 - C |
| 03002 - ECHO RANCH | 04002 - | 05002 - D |

06 Add Line 1 - P.O. BOX 97 07 Add Line 2 -

08 Add Line 3 - 09 City - TETONIA 10 State - ID 11 ZIP - 83452

12 Stage - P PERMIT 13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - PUMP & MAINLINE TO PIVOTS & HANDLINES 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 8.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rfls | STREAM INDEX FIELDS |
|---|---|---|---|---|---|---|
| 22001 - | SENW 23001 - 10 | 24001 - 06N | 25001 - 44E | 26001 - | 27001 - | |
| | | | | 28001 - 0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 0.0 | |

29 Non-Irrigation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 01 IRRIGATION | 31001 - 06N | 32001 - 44E | 33001 - 05 | 34001 - NESW | 35001 - 20 | 36001 - |
| 30002 - 01 IRRIGATION | 31002 - 06N | 32002 - 44E | 33002 - 05 | 34002 - SESW | 35002 - 40 | 36002 - |
| 30003 - 01 IRRIGATION | 31003 - 06N | 32003 - 44E | 33003 - 05 | 34003 - NESE | 35003 - 20 | 36003 - |
| 30004 - 01 IRRIGATION | 31004 - 06N | 32004 - 44E | 33004 - 05 | 34004 - NWSE | 35004 - 20 | 36004 - |
| 30005 - 01 IRRIGATION | 31005 - 06N | 32005 - 44E | 33005 - 05 | 34005 - SWSE | 35005 - 40 | 36005 - |
| 30006 - 01 IRRIGATION | 31006 - 06N | 32006 - 44E | 33006 - 05 | 34006 - SESE | 35006 - 40 | 36006 - |
| 30007 - 01 IRRIGATION | 31007 - 06N | 32007 - 44E | 33007 - 04 | 34007 - NWSW | 35007 - 20 | 36007 - |
| 30008 - 01 IRRIGATION | 31008 - 06N | 32008 - 44E | 33008 - 04 | 34008 - SWSW | 35008 - 40 | 36008 - |
| 30009 - 01 IRRIGATION | 31009 - 06N | 32009 - 44E | 33009 - 09 | 34009 - NWNW | 35009 - 40 | 36009 - |
| 30010 - 01 IRRIGATION | 31010 - 06N | 32010 - 44E | 33010 - 08 | 34010 - NENE | 35010 - 40 | 36010 - |
| 30011 - 01 IRRIGATION | 31011 - 06N | 32011 - 44E | 33011 - 08 | 34011 - NWNE | 35011 - 40 | 36011 - |
| 30012 - 01 IRRIGATION | 31012 - 06N | 32012 - 44E | 33012 - 08 | 34012 - NENW | 35012 - 40 | 36012 - |

Total Acres: 400

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0415 | 38001 - 1015 | 39001 - 01 IRRIGATION | 40001 - 8.000 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 -

Approval Conditions: 45001 01

Approval Conditions: 45002 05
45003 11

46 Other Rights for Same Use - 22-7375

| DATES | | | DATES | | | FLAGS | |
|---|---|---|---|---|---|---|---|
| 47 | Priority - | 22-Mar-1982 | 55 | License - | | 63 | Transfer/Amended - |
| 48 | Proof Due - | 1-Jun-1984 | 56 | Appl Received - | | 64 | DLE/Carey Act - |
| 49 | Proof Made - | 1-Jan-1900 | 57 | Field Exam Made - | | 65 | Flag_1 - |
| 50 | Approve/Denied- | 15-May-1982 | 58 | Decree - | | 66 | Flag_2 - |
| 51 | Protested - | | 59 | Start Work - | | 67 | Flag_3 - |
| 52 | Hearing - | | 60 | Order Show Cause - | | | |
| 53 | Verified - | | 61 | Date_1 - | | | |
| 54 | Last Update - | 12-Mar-1984 | 62 | Date_2 - | | | |

01 Water Right Number - 22-7396 02 Old (D) Number -

| | LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|---|
| | 03001 - BRIGGS | 04001 - GEORGE A. | 05001 - C |
| | 03002 - BRIGGS | 04002 - LYDIA A. | 05002 - C |

06 Add Line 1 - BOX 62

07 Add Line 2 -

08 Add Line 3 -

09 City - TETON 10 State - ID 11 ZIP - 83451

12 Stage - A APPLICATION

13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - TETON IRRIG.CANAL & POWER PLANT 17 County - 43 FREMONT

18 Diversion Capacity - .000 19 Total Diversion Rate - 52.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rfls | STREAM | INDEX | FIELDS |
|---|---|---|---|---|---|---|---|---|
| 22001 - SWNW | 23001 - 28 | 24001 - 07N | 25001 - 41E | 26001 - 28001 - 0 | 27001 - 0.0 | 0.0 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 | 0 0 0 0.0 |

29 Non-Irrisation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 28 POWER | 31001 - 07N | 32001 - 41E | 33001 - 31 | 34001 - SWNW | 35001 - | 36001 - |

Total Acres: 0

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0101 | 38001 - 1231 | 39001 - 28 POWER | 40001 - 52.000 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 -

Approval Conditions: 45001 -

46 Other Rights for Same Use -

| DATES | | DATES | | FLAGS | |
|---|---|---|---|---|---|
| 47 Priority | - 30-Apr-1982 | 55 License | - | 63 Transfer/Amended | - |
| 48 Proof Due | - | 56 Appl Received | - | 64 DLE/Carey Act | - |
| 49 Proof Made | - | 57 Field Exam Made | - | 65 Flag_1 | - |
| 50 Approve/Denied | - | 58 Decree | - | 66 Flag_2 | - |
| 51 Protested | - | 59 Start Work | - | 67 Flag_3 | - |
| 52 Hearing | - | 60 Order Show Cause | - | | |
| 53 Verified | - | 61 Date_1 | - | | |

| DATES | | DATES | | FLAGS |
|---|---|---|---|---|
| 54 | Last Update - 25-May-1982 | 62 | Date_2 - | |

01 Water Right Number - 22-7419 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - CADDY | 04001 - FRANK E. | 05001 - C |

06 Add Line 1 - P.O. BOX 334

07 Add Line 2 -

08 Add Line 3 -

09 City - DRIGGS 10 State - ID 11 ZIP - 83422

12 Stage - A APPLICATION

13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - PUMP, LINE & SPRINKLER SYSTEM 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - .120 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rfls | STREAM INDEX FIELDS |
|---|---|---|---|---|---|---|
| 22001 - NWSE | 23001 - 17 | 24001 - 04N | 25001 - 45E | 26001 - 0<br>28001 - | 27001 - 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 0.0 |

29 Non-Irrigation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 01 IRRIGATION | 31001 - 04N | 32001 - 45E | 33001 - 17 | 34001 - SWNE | 35001 - 01 | 36001 - |
| 30002 - 01 IRRIGATION | 31002 - 04N | 32002 - 45E | 33002 - 17 | 34002 - NWSE | 35002 - 05 | 36002 - |

Total Acres: 6

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0515 | 38001 - 1015 | 39001 - 01 IRRIGATION | 40001 - 0.120 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS

44001 -

Approval Conditions: 45001 -

46 Other Rights for Same Use - CLAIM #22-4071

| DATES | | DATES | | FLAGS | |
|---|---|---|---|---|---|
| 47 Priority | - 11-Jan-1983 | 55 License | - | 63 Transfer/Amended | - |
| 48 Proof Due | - | 56 Appl Received | - | 64 DLE/Carey Act | - |
| 49 Proof Made | - | 57 Field Exam Made | - | 65 Flag_1 | - |
| 50 Approve/Denied | - | 58 Decree | - | 66 Flag_2 | - |
| 51 Protested | - | 59 Start Work | - | 67 Flag_3 | - |
| 52 Hearing | - | 60 Order Show Cause | - | | |
| 53 Verified | - | 61 Date_1 | - | | |

| DATES | | DATES | | FLAGS |
|---|---|---|---|---|
| 54 | Last Update - 21-Nov-1983 | 62 | Date_2 - | |

01 Water Right Number - 22-7470 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - RICKS | 04001 - MARK R. | 05001 - C |
| 03002 - RIKO, INC. | 04002 - | 05002 - D |

06 Add Line 1 - 259 SOUTH THIRD EAST

07 Add Line 2 -

08 Add Line 3 -

09 City - REXBURG 10 State - ID 11 ZIP - 83440

12 Stage - A APPLICATION

13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - PUMP MAINLINE AND SPRINKLER SYSTEM 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 3.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rfls | STREAM INDEX FIELDS |
|---|---|---|---|---|---|---|
| 22001 - NENW | 23001 - 15 | 24001 - 06N | 25001 - 44E | 26001 - | 27001 - | |
| | | | | 28001 - 0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 0.0 | |

29 Non-Irrisation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 01 IRRIGATION | 31001 - 06N | 32001 - 44E | 33001 - 09 | 34001 - SESW | 35001 - 40 | 36001 - |
| 30002 - 01 IRRIGATION | 31002 - 06N | 32002 - 44E | 33002 - 09 | 34002 - SWSE | 35002 - 40 | 36002 - |
| 30003 - 01 IRRIGATION | 31003 - 06N | 32003 - 44E | 33003 - 09 | 34003 - SESE | 35003 - 40 | 36003 - |
| 30004 - 01 IRRIGATION | 31004 - 06N | 32004 - 44E | 33004 - 10 | 34004 - SWSW | 35004 - 20 | 36004 - |
| 30005 - 01 IRRIGATION | 31005 - 06N | 32005 - 44E | 33005 - 15 | 34005 - NENW | 35005 - 40 | 36005 - |
| 30006 - 01 IRRIGATION | 31006 - 06N | 32006 - 44E | 33006 - 15 | 34006 - NWNW | 35006 - 40 | 36006 - |
| 30007 - 01 IRRIGATION | 31007 - 06N | 32007 - 44E | 33007 - 15 | 34007 - SWNW | 35007 - 40 | 36007 - |
| 30008 - 01 IRRIGATION | 31008 - 06N | 32008 - 44E | 33008 - 15 | 34008 - SENW | 35008 - 10 | 36008 - |
| 30009 - 01 IRRIGATION | 31009 - 06N | 32009 - 44E | 33009 - 15 | 34009 - NWSW | 35009 - 40 | 36009 - |
| 30010 - 01 IRRIGATION | 31010 - 06N | 32010 - 44E | 33010 - 16 | 34010 - NENE | 35010 - 35 | 36010 - |
| 30011 - 01 IRRIGATION | 31011 - 06N | 32011 - 44E | 33011 - 16 | 34011 - NWNE | 35011 - 35 | 36011 - |
| 30012 - 01 IRRIGATION | 31012 - 06N | 32012 - 44E | 33012 - 16 | 34012 - SWNE | 35012 - 40 | 36012 - |
| 30013 - 01 IRRIGATION | 31013 - 06N | 32013 - 44E | 33013 - 16 | 34013 - NENW | 35013 - 40 | 36013 - |

Total Acres: 460

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0401 | 38001 - 1101 | 39001 - 01 IRRIGATION | 40001 - 3.000 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 -

Approval Conditions: 45001 -

46 Other Rights for Same Use - PERMIT

| DATES | | | DATES | | | FLAGS | |
|---|---|---|---|---|---|---|---|
| 47 | Priority - | 21-Jul-1983 | 55 | License - | | 63 | Transfer/Amended - |
| 48 | Proof Due - | | 56 | Appl Received - | | 64 | DLE/Carey Act - |
| 49 | Proof Made - | | 57 | Field Exam Made - | | 65 | Flag_1 - |
| 50 | Approve/Denied- | | 58 | Decree - | | 66 | Flag_2 - |
| 51 | Protested - | | 59 | Start Work - | | 67 | Flag_3 - |
| 52 | Hearing - | | 60 | Order Show Cause - | | | |
| 53 | Verified - | | 61 | Date_1 - | | | |
| 54 | Last Update - | 5-Dec-1983 | 62 | Date_2 - | | | |

01 Water Right Number - 22-7482 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - FALL RIVER RURAL ELECTRIC CO-OP, INC. | 04001 - | 05001 - C |

06 Add Line 1 - P.O. BOX 617

07 Add Line 2 -

08 Add Line 3 -

09 City - ASHTON 10 State - ID 11 ZIP - 83420

12 Stage - P PERMIT

13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - DIVERSION STRUCTURE, PENSTOCKS WITH HEADGATE 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 80.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rfls | STREAM | INDEX | FIELDS |
|---|---|---|---|---|---|---|---|---|
| 22001 - NWNE | 23001 - 29 | 24001 - 07N | 25001 - 44E | 26001 - | 27001 - | | | |
| | | | | 28001 - 0 | 0.0 0.0 0.0 | 0.0 0.0 | 0.0 0.0 0.0 | 0 0 0 0.0 |
| 22002 - SWNE | 23002 - 29 | 24002 - 07N | 25002 - 44E | 26002 - | 27002 - | | | |
| | | | | 28002 - 0 | 0.0 0.0 0.0 | 0.0 0.0 | 0.0 0.0 0.0 | 0 0 0 0.0 |

29 Non-Irrigation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 28 POWER | 31001 - 07N | 32001 - 44E | 33001 - 20 | 34001 - SWSE | 35001 - | 36001 - |
| 30002 - 28 POWER | 31002 - 07N | 32002 - 44E | 33002 - 29 | 34002 - NWNE | 35002 - | 36002 - |

Total Acres: 0

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0101 | 38001 - 1231 | 39001 - 28 POWER | 40001 - 80.000 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 - 1200 HORSEPOWER UNDER 150 FEET OF HEAD
44002 - USE OF WATER UNDER THIS PERMIT SHALL BE NON-CONSUMPTIVE.
44003 - THE ISSUANCE OF THIS PERMIT IN NO WAY GRANTS ANY RIGHT-OF-WAY OR
44004 - EASEMENT ACROSS THE LAND OF ANOTHER.

Approval Conditions: 45001 09D
45002 17G
45003 17K
45004 [illegible]
45005 [illegible]
45006 09A
45007 01E

Approval Conditions: 45008 16

46 Other Rights for Same Use -

| DATES | | | DATES | | | FLAGS | |
|---|---|---|---|---|---|---|---|
| 47 | Priority - | 3-Oct-1984 | 55 | License - | | 63 | Transfer/Amended - |
| 48 | Proof Due - | 1-Jun-1986 | 56 | Appl Received - | | 64 | DLE/Carey Act - |
| 49 | Proof Made - | | 57 | Field Exam Made - | | 65 | Flag_1 - |
| 50 | Approve/Denied - | 8-May-1985 | 58 | Decree - | | 66 | Flag_2 - |
| 51 | Protested - | | 59 | Start Work - | | 67 | Flag_3 - |
| 52 | Hearing - | | 60 | Order Show Cause - | | | |
| 53 | Verified - | | 61 | Date_1 - | | | |
| 54 | Last Update - | 20-May-1985 | 62 | Date_2 - | | | |

01 Water Right Number - 22-7487 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - FALL RIVER RURAL ELECTRIC CO-OP, INC. | 04001 - | 05001 - C |

06 Add Line 1 - P.O. BOX AE

07 Add Line 2 -

08 Add Line 3 -

09 City - ASHTON 10 State - ID 11 ZIP - 83420

12 Stage - P PERMIT

13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - DIVERSION STRUCTURE 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 204.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rns | Lot | Rfls | STREAM INDEX | FIELDS |
|---|---|---|---|---|---|---|---|
| 22001 - NWNE | 23001 - 29 | 24001 - 07N | 25001 - 44E | 26001 - | 27001 - | | |
| | | | | 28001 - 0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0 0 0 0.0 |
| 22002 - SWNE | 23002 - 29 | 24002 - 07N | 25002 - 44E | 26002 - | 27002 - | | |
| | | | | 28002 - 0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 0 0 0 0.0 |

29 Non-Irrisation Use -

PLACE OF USE

| Use Code / Use | Twn | Rns | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 28 POWER | 31001 - 07N | 32001 - 44E | 33001 - 29 | 34001 - SWNE | 35001 - | 36001 - |

Total Acres: 0

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0415 | 38001 - 0815 | 39001 - 28 POWER | 40001 - 204.000 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 - 1520 HP UNDER 80 FEET OF HEAD

Approval Conditions: 45001 09D
45002 17G
45003 17K
45004 25
45005 27
45006 08A
45007 01E
45008 05

46 Other Rights for Same Use -

| DATES | | | DATES | | | FLAGS | | |
|---|---|---|---|---|---|---|---|---|
| 47 | Priority | - 25-Feb-1985 | 55 | License | - | 63 | Transfer/Amended | - |
| 48 | Proof Due | - 1-Jun-1986 | 56 | Appl Received | - | 64 | DLE/Carey Act | - |
| 49 | Proof Made | - | 57 | Field Exam Made | - | 65 | Flag_1 | - |
| 50 | Approve/Denied | - 8-May-1985 | 58 | Decree | - | 66 | Flag_2 | - |
| 51 | Protested | - | 59 | Start Work | - | 67 | Flag_3 | - |
| 52 | Hearing | - | 60 | Order Show Cause | - | | | |
| 53 | Verified | - | 61 | Date_1 | - | | | |
| 54 | Last Update | - 20-May-1985 | 62 | Date_2 | - | | | |

01 Water Right Number - 22-7490 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - CANYON CK.LATERAL DITCH WATER USERS ASSN | 04001 - | 05001 - C |

06 Add Line 1 -

07 Add Line 2 -

08 Add Line 3 -

09 City - NEWDALE 10 State - ID 11 ZIP - 83436

12 Stage - A APPLICATION

13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means -

17 County - 65 MADISON

18 Diversion Capacity - .000 19 Total Diversion Rate - 5.300 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rns | Lot | Rflg | STREAM INDEX FIELDS |
|---|---|---|---|---|---|---|
| 22001 - SENE | 23001 - 30 | 24001 - 07N | 25001 - 42E | 26001 - | 27001 - | |
| | | | | 28001 - 0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 0.0 | |

29 Non-Irrigation Use -

PLACE OF USE

| Use Code / Use | Twn | Rns | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 01 IRRIGATION | 31001 - 06N | 32001 - 42E | 33001 - 05 | 34001 - SESW | 35001 - 40 | 36001 - |
| 30002 - 01 IRRIGATION | 31002 - 06N | 32002 - 42E | 33002 - 05 | 34002 - SWSE | 35002 - 40 | 36002 - |
| 30003 - 01 IRRIGATION | 31003 - 06N | 32003 - 42E | 33003 - 05 | 34003 - SESE | 35003 - 40 | 36003 - |
| 30004 - 01 IRRIGATION | 31004 - 06N | 32004 - 42E | 33004 - 06 | 34004 - NENE | 35004 - 40 | 36004 - |
| 30005 - 01 IRRIGATION | 31005 - 06N | 32005 - 42E | 33005 - 06 | 34005 - NWNE | 35005 - 40 | 36005 - |
| 30006 - 01 IRRIGATION | 31006 - 06N | 32006 - 42E | 33006 - 06 | 34006 - SWNE | 35006 - 40 | 36006 - |
| 30007 - 01 IRRIGATION | 31007 - 06N | 32007 - 42E | 33007 - 06 | 34007 - SENE | 35007 - 40 | 36007 - |
| 30008 - 01 IRRIGATION | 31008 - 06N | 32008 - 42E | 33008 - 06 | 34008 - NENW | 35008 - 40 | 36008 - |
| 30009 - 01 IRRIGATION | 31009 - 06N | 32009 - 42E | 33009 - 06 | 34009 - SENW | 35009 - 40 | 36009 - |
| 30010 - 01 IRRIGATION | 31010 - 06N | 32010 - 42E | 33010 - 07 | 34010 - NENE | 35010 - 40 | 36010 - |
| 30011 - 01 IRRIGATION | 31011 - 06N | 32011 - 42E | 33011 - 07 | 34011 - NWNE | 35011 - 40 | 36011 - |
| 30012 - 01 IRRIGATION | 31012 - 06N | 32012 - 42E | 33012 - 07 | 34012 - SWNE | 35012 - 40 | 36012 - |
| 30013 - 01 IRRIGATION | 31013 - 06N | 32013 - 42E | 33013 - 07 | 34013 - SENE | 35013 - 40 | 36013 - |
| 30014 - 01 IRRIGATION | 31014 - 06N | 32014 - 42E | 33014 - 07 | 34014 - NESW | 35014 - 40 | 36014 - |
| 30015 - 01 IRRIGATION | 31015 - 06N | 32015 - 42E | 33015 - 07 | 34015 - NWSW | 35015 - 40 | 36015 - |
| 30016 - 01 IRRIGATION | 31016 - 06N | 32016 - 42E | 33016 - 07 | 34016 - SWSW | 35016 - 40 | 36016 - |
| 30017 - 01 IRRIGATION | 31017 - 06N | 32017 - 42E | 33017 - 07 | 34017 - SESW | 35017 - 40 | 36017 - |
| 30018 - 01 IRRIGATION | 31018 - 06N | 32018 - 42E | 33018 - 07 | 34018 - NESE | 35018 - 40 | 36018 - |

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WATER RIGHTS ABSTRACT

*INDICATES TOTAL*

SOURCE: TETON RIVER

| RIGHT NUMBER | NAME AND ADDRESS | PRIORITY DATE | USE | USE PERIOD FROM | USE PERIOD TO | MAX AMOUNT MAX RATE | DIVERSION POINT | PLACE OF USE AND ACREAGE | BASIS FOR RIGHT |
|---|---|---|---|---|---|---|---|---|---|
| 22-0457A | UNIVERSITY OF IDAHO<br>U OF I (TETONIA) | 05-01-1983 | IRRIGATION | 00-00 | 00-00 | 1.00 AFA<br>1.00 CFS | SENW S33<br>T07N R44E | | |
| 22-0204B | TETON PIPELINE ASSN. | 06-10-1953 | IRRIGATION | 00-00 | 00-00 | 6.50 AFA<br>6.50 CFS | SWSE S15<br>T06N R44E<br>NWSE S03<br>T06N R44E<br>SENW S10<br>T06N R44E | | DECREE |
| | REMARKS: TEMPORARY TRANSFER. | | | | | | | | |
| 22-0513 | TETON PIPELINE | 07-01-1891 | IRRIGATION | 00-00 | 00-00 | 6.00 CFS | SWSE S15<br>T06N R44E<br>NWSE S03<br>T06N R44E<br>SENW S10<br>T06N R44E<br>NENE S28<br>T07N R41E | | DECREE |
| 22-0514 | TETON PIPELINE | 06-01-1882 | IRRIGATION | 07-01 | 11-01 | 7.68 AFA<br>7.68 CFS | SWSE S15<br>T06N R44E<br>NWSE S03<br>T06N R44E<br>SENW S10<br>T06N R44E<br>NENE S28<br>T07N R41E | | DECREE |
| 22-0606 | TETON VALLEY POWER & MILLING C | 10-01-1921 | POWER | 00-00 | 00-00 | 80.00 CFS | NWNE S28<br>T07N R44E | | DECREE |
| 22-2128 | TETON VALLEY POWER & MILLING C<br>TETON VALLEY POWER & MILLING C | 11-17-1936 | POWER | 00-00 | 00-00 | 70.00 CFS | NWNE S28<br>T07N R44E<br>NWNE S28<br>T07N R44E | S00 T000 R000 | LICENSE |
| 22-2126 | TETON VALLEY POWER & MILLING C<br>TETON VALLEY POWER & MILLING C | 02-02-1946 | POWER | 00-00 | 00-00 | 130.00 CFS | NWNE S28<br>T07N R44E<br>NWNE S28<br>T07N R44E | S00 T000 R000 | LICENSE |
| 22-7148 | SCOTT, DE MAR | 07-22-1975 | IRRIGATION | 00-00 | 00-00 | | NWSE S03 | | PERMIT |

*INDICATES TOTAL* SOURCE: TETON RIVER

| RIGHT NUMBER | NAME AND ADDRESS | PRIORITY DATE | USE | USE PERIOD FROM | USE PERIOD TO | MAX AMOUNT MAX RATE | DIVERSION POINT | PLACE OF USE AND ACREAGE | BASIS FOR RIGHT |
|---|---|---|---|---|---|---|---|---|---|
| 22-7148 | NEWDALE ID 83436 | | | | | 7.00 CFS | T06N R44E S00 T000 R000<br>NWSE S03<br>T06N R44E | | |

*INDICATES TOTAL* SOURCE: TETON RIVER TRIBUTARY TO: HENRYS FORK

| RIGHT NUMBER | NAME AND ADDRESS | PRIORITY DATE | USE | USE PERIOD FROM TO | MAX AMOUNT MAX RATE | DIVERSION POINT | PLACE OF USE AND ACREAGE | BASIS FOR RIGHT |
|---|---|---|---|---|---|---|---|---|
| 22-0425A | NELSON, DAVID<br>RICKS, RAY G.<br>RICKS, JOEANN<br>RICKS, MARK<br>RICKS, CHRIS P.<br>P.O. BOX 6<br>FELT ID<br>REMARKS: TRANS. 2062. | 09-01-1885 | IRRIGATION | 04-01 11-01 | 2.88 CFS | NENW S15 T06N R44E | SWNW(40) NWSW(40) S15 T06N R44E<br>NENE(40) NWNE(40) S16 T06N R44E<br>* 160 ACRES* | DECREE |
| 22-7111 | ARD, DARRELL<br>136 S. 1ST W.<br>REXBURG ID 83440<br>P/U: T06N R44E S05 NWNW(40) SWNW(40)<br>P/U: T07N R44E S30 NENE(40) NWNE(40) SWNE(40) SENE(40) NESE(40) NWSE(40)<br>SWSE(40) SESE(40)<br>S31 NENE(40) NWNE(40) SWNE(40) SENE(40) NESE(40) NWSE(40)<br>SWSE(40) SESE(40) | 11-12-1974 | IRRIGATION | 04-15 10-15 | 10.00 CFS | NWSE S05 T06N R44E | * 720 ACRES* | PERMIT |
| 22-7116 | ARD, REX<br>ARD, LARRY<br>335 E. 1ST N.<br>REXBURG ID 83440<br>OTHER RIGHTS: 22-7100.<br>P/L: T06N R44E S08 SWNE(40) SENE(40) NESE(40) NWSE(40) SWSE(40) SESE(40)<br>S17 NENE(40) NWNE(40) SWNE(40) SENE(40) NESW(40) NWSW(40)<br>SWSW(40) SESW(40) NESE(40) NWSE(40)<br>S18 NESE(40) NWSE(40) SWSE(40) SESE(40) | 12-03-1974 | IRRIGATION | 04-15 10-15 | 10.00 CFS | SESE S15 T06N R44E | * 800 ACRES* | PERMIT |
| 22-7119 | NELSON, GLEN C.<br>STAR RT.<br>NEWDALE ID 83436<br>P/U: T07N R44E S32 NWNE(40) SWNE(40) NENW(40) NWNW(40) SWNW(40) SENW(40)<br>NESW(40) NWSW(40) SWSW(40) SESW(40) NWSE(40) SWSE(40) | 12-10-1974 | IRRIGATION | 05-01 09-15 | 1575.00 AFA<br>6.00 CFS | NWSE S03 T06N R44E | * 480 ACRES* | PERMIT |
| 22-7159 | ECHO RANCH, INC.<br>BOX 638<br>REXBURG ID 83440 | 08-18-1975 | IRRIGATION | 04-15 10-15 | 285.00 AFA<br>1.90 CFS | SESE S15 T06N R44E | NENE(22) NWNE(40) NENW(33) S21 T06N R44E<br>* 95 ACRES* | LICENSE |

*INDICATES TOTAL* SOURCE: TETON RIVER TRIBUTARY TO: SNAKE RIVER

| RIGHT NUMBER | NAME AND ADDRESS | PRIORITY DATE | USE | USE PERIOD FROM TO | MAX AMOUNT MAX RATE | DIVERSION POINT | PLACE OF USE AND ACREAGE | BASIS FOR RIGHT |
|---|---|---|---|---|---|---|---|---|
| 22-7044A | HOOPES, EARL N.<br>BOX 688<br>REXBURG ID 83440<br><br>REMARKS: TRANS. 1786. | 03-26-1971 | IRRIGATION | 04-01 11-01 | 420.00 AFA<br>2.65 CFS | SENW S10<br>T06N R44E | SWNW(36) NWSW(35) LICENSE<br>S10 T06N R44E<br>SENE(35) NESE(35)<br>S09 T06N R44E<br><br>* 140 ACRES* | |
| 22-7044B | HOOPES, EARL N.<br>BOX 688<br>REXBURG ID 83440<br><br>REMARKS: TRANS. 1786. | 03-26-1971 | IRRIGATION | 04-01 11-01 | 210.00 AFA<br>1.32 CFS | SESE S15<br>T06N R44E | SWSE(40) LICENSE<br>S15 T06N R44E<br>NENW(30)<br>S22 T06N R44E<br><br>* 70 ACRES* | |
| 22-7100 | EHCO RANCH, INC<br>P.O. BOX 666<br>REXBURG ID 83440<br>P/U: T06N R44E S20 NENE(40) NWNE(21) SWNE(30) SENE(40) NENW(40) NWNW(38)<br>SWNW(40) SENW(35) NESW(25) NWSW(40) SWSW(40) SESW(25)<br>NESE(40) NWSE(33) SWSE(24) SESE(40) | 08-07-1974 | IRRIGATION | 04-15 10-15 | 1693.00 AFA<br>6.98 CFS | SESE S15<br>T06N R44E | * 561 ACRES* | LICENSE |
| 22-7108 | HOOPES, J. CLINT<br>BICKMORE, MRS. E.G.<br>P.O. BOX 95<br>TETONIA ID 83452<br>P/U: T06N R44E S03 SWNE(15) SWNW(40) SENW(40) NESW(14) NWSW(14) NWSE(20)<br>S04 NWNE(07) SWNE(40) SENE(40) NENW(40) SENW(40) NESW(14)<br>NESE(14) NWSE(14)<br>P/U: T07N R44E S28 SWSW(30)<br>S29 NESW(25) NWSW(25) SWSW(40) SESW(40) NESE(25) NWSE(25)<br>SWSE(40) SESE(40) | 10-11-1974 | IRRIGATION | 04-01 11-01 | 9.00 CFS | NWSE S03<br>T06N R44E | * 642 ACRES* | PERMIT |
| 22-7110 | EHCO RANCHES, INC.<br>BICKMORE, MRS. E.G.<br>BOX 688<br>REXBURG ID 83440<br>P/U: T06N R44E S03 NESW(18) NWSW(26) SWSW(40) SESW(36)<br>S04 NESW(17) SESW(31) NESE(26) NWSE(26) SWSE(40) SESE(40)<br>S09 NENE(40) NWNE(40) SWNE(40) NENW(32) SENW(34) NESW(33)<br>NWSE(33)<br>S10 NENW(16) NWNW(40) | 10-19-1974 | IRRIGATION | 04-15 11-01 | 1824.00 AFA<br>5.12 CFS | SENW S10<br>T06N R44E | * 608 ACRES* | LICENSE |

*INDICATES TOTAL*  SOURCE: TETON RIVER  TRIBUTARY TO: SNAKE RIVER

| RIGHT NUMBER | NAME AND ADDRESS | PRIORITY DATE | USE | USE PERIOD FROM TO | MAX AMOUNT MAX RATE | DIVERSION POINT | PLACE OF USE AND ACREAGE | BASIS FOR RIGHT |
|---|---|---|---|---|---|---|---|---|
| 22-7122 | RAMMELL, MAX<br>RAMMELL, MERRILL<br>P.O. BOX 206<br>DRIGGS ID 83422 | 12-31-1974 | IRRIGATION | 04-01 11-01 | 12.00 CFS | NWSE S03<br>T06N R44E | | PERMIT |
| | P/U: T07N R43E S35 NENE(40) NWNE(40) SWNE(40) SENE(40) NESE(40) NWSE(40)<br>SWSE(40) SESE(40)<br>S36 SWNE(40) SENE(40) NENW(40) NWNW(40) SWNW(40) SENW(40)<br>NESW(40) NWSW(40) SWSW(40) SESW(40) NESE(40) NWSE(40)<br>SWSE(40) SESE(40)<br>P/U: T07N R44E S31 NWNW(40) SWNW(40) NWSW(40) SWSW(40)<br>P/U: T06N R44E S06 NENW(40) NWNW(40) SWNW(40) SENW(40) | | | | | | * 1200 ACRES* | |
| 22-7120 | HOOPES, J. CLINT<br>25 S. THIRD E.<br>REXBURG ID 83440 | 01-14-1975 | IRRIGATION | 04-01 11-01 | 5.00 CFS | SESE S15<br>T06N R44E | | PERMIT |
| | P/U: T06N R44E S07 NENE(40) NWNE(40) SWNE(40) SENE(40) SENW(40) NESW(40)<br>SESW(40) NESE(40) NWSE(40) SWSE(40) SESE(40)<br>S08 NWNW(15) SWNW(40) SENW(40) NESW(40) NWSW(40) SWSW(40)<br>SESW(40) | | | | | | * 695 ACRES* | |
| 22-7121 | HOOPES, J. CLINT<br>BOX 99<br>TETONIA ID 83452<br>REMARKS: REINSTATED 6-11-1980. | 01-14-1975 | IRRIGATION | 04-01 11-01 | 8.00 CFS | NWSE S03<br>T06N R44E | | PERMIT |
| | P/U: T06N R44E S05 NWSW(40) SWSW(40)<br>P/U: T07N R43E S34 NENE(40) NWNE(40) SWNE(40) SENE(40) NESE(40) NWSE(40)<br>SWSE(40) SESE(40)<br>S35 NENW(40) NWNW(40) SWNW(40) SENW(40)<br>S33 NENE(40) NWNE(40) SWNE(40) SENE(40) NESE(40) NWSE(40)<br>SWSE(40) SESE(40) | | | | | | * 880 ACRES* | |
| 22-7157 | TETON GEORGIC INC.<br>STAR RT.<br>NEWDALE ID 83436 | 08-06-1975 | IRRIGATION | 04-01 10-31 | 4.50 CFS | NWSE S03<br>T06N R44E | | PERMIT |
| | P/U: T07N R43E S25 NESW(40) NWSW(40) SWSW(40) SESW(40)<br>S26 SWNE(40) SENE(40) SWNW(40) SENW(40) NESW(40) NWSW(40)<br>SWSW(40) SESW(40) NESE(40) NWSE(40) SWSE(40) SESE(40) | | | | | | * 640 ACRES* | |
| 22-7172 | KEITH J. ARNOLD & SONS, INC.<br>BOX 4 | 01-20-1976 | IRRIGATION | 04-15 10-15 | 12.00 CFS | SENW S33<br>T07N R44E | | PERMIT |

*INDICATES TOTAL* SOURCE: TETON RIVER TRIBUTARY TO: SNAKE RIVER

| RIGHT NUMBER | NAME AND ADDRESS | PRIORITY DATE | USE | USE PERIOD FROM TO | MAX AMOUNT MAX RATE | DIVERSION POINT | PLACE OF USE AND ACREAGE | BASIS FOR RIGHT |
|---|---|---|---|---|---|---|---|---|
| 22-7172 | PELT<br>ID 83424<br>P/U: T06N R44E S04 NWNW(40) SWNW(40) NWSW(40) SWSW(40)<br>S05 NENE(40) NWNE(40) SWNE(40) SENE(40)<br>NESW(40) SESW(40) NESE(40) NWSE(40)<br>S08 NENE(40) NWNE(40) NENW(40)<br>S09 NENW(40) | | | | | NENW(40) SWSE(40) | SENW(40) SESE(40)<br>* 800 ACRES* | |
| 22-7180 | ECHO RANCH, INC.<br>BOX 688<br>REXBURG ID 83440<br>P/U: T06N R44E S29 NENE(40) NWNE(40) SWNE(40) SENE(40)<br>SWNW(40) SENW(40)<br>S19 NENE(40) SENE(40)<br>S17 SWSE(40) SESE(40)<br>S21 NWNW(40) SWNW(40)<br>S16 SWNE(40) NESE(40) | 04-01-1976 | IRRIGATION | 04-01 11-01 | 12.80 CFS | SESE S15 T06N R44E<br>NENW(40) | NWNW(40)<br>* 640 ACRES* | PERMIT |
| 22-7181 | ECHO RANCH, INC.<br>P.O. BOX 688<br>REXBURG ID 83440 | 04-01-1976 | IRRIGATION | 04-01 11-01 | 3.20 CFS | SENW S10 T06N R44E<br>S09 T06N R44E<br>SWNW(40) NWSW(40)<br>S10 T06N R44E<br>* 160 ACRES* | SENE(40) NESE(40) | PERMIT |
| 22-7186 | ARD, DARRELL<br>136 S. 1ST ST.<br>REXBURG ID 83440<br>OTHER RIGHTS: RT. 22-7196.<br>P/U: T06N R44E S06 NENE(40) NWNE(40) SENE(40) NENW(40)<br>P/U: T07N R44E S30 NENW(40) NWNW(40) SWNW(40) SENW(40)<br>SWSW(40) SESW(40)<br>S31 NENW(40) SENW(40) NESW(40) SESW(40) | 04-27-1976 | IRRIGATION | 04-01 11-01 | 12.40 CFS | NWSE S03 T06N R44E<br>NESW(40) | NWSW(40)<br>* 640 ACRES* | PERMIT |
| 22-7349 | MCCULLOCH, ELVIN<br>MCCULLOCH, LOIS<br>HIBBERT FARMS, INC.<br>DRIGGS ID 83422<br>OTHER RIGHTS: 1750 AF PALISADES, 120 AF FREMONT-MADISON, 22-7028.<br>P/U: T07N R44E S34 SWNE(20) SENE(20) SWNW(20) SENW(20)<br>SWSW(20) SESW(22)<br>S33 SWNE(05) SENE(20) NESE(40) NWSE(10)<br>P/U: T06N R44E S02 NENE(40) NWNE(40) SWNE(40) SENE(40) | 03-12-1981 | IRRIGATION | 04-01 11-01 | 16.00 CFS | NWNE S03 T06N R44E<br>NESW(40)<br>SWSE(02)<br>NENW(40) | NWSW(40)<br>SESE(30)<br>NWNW(40) | PERMIT |

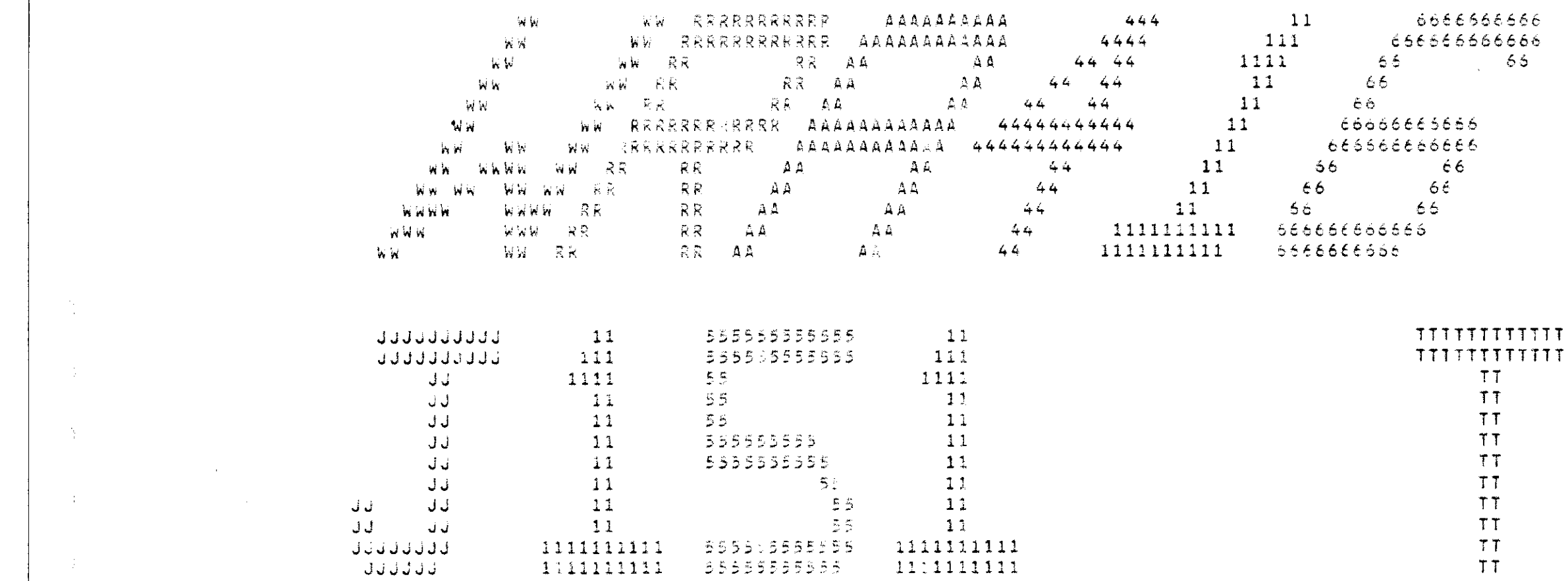
*INDICATES TOTAL* SOURCE: TETON RIVER TRIBUTARY TO: SNAKE RIVER

| RIGHT NUMBER | NAME AND ADDRESS | PRIORITY DATE | USE | USE PERIOD FROM TO | MAX AMOUNT MAX RATE | DIVERSION POINT | PLACE OF USE AND ACREAGE | BASIS FOR RIGHT |
|---|---|---|---|---|---|---|---|---|
| 22-7349 | SWNW(40) SENW(40) | | | | | | * 629 ACRES* | |
| 22-7351 | FALL RIVER RURAL ELECTRIC COOP<br>P.O. BOX 617<br>ASHTON ID 83420<br>OTHER RIGHTS: 22-0606, 22-2123, 22-2126. | 03-18-1981 | POWER | 01-01 12-31 | 300.00 CFS | SWNW S29 NWNE<br>T07N R44E | S29 T07N R44E | APPLICATION |
| 22-7392 | ECHO RANCH<br>ECHO RANCH<br>P.O. BOX 97<br>TETONIA ID 83452<br>OTHER RIGHTS: 22-7375<br>P/U: T06N R44E S05 NESW(20) SESW(40) NESE(20) NWSE(20) SWSE(40) SESE(40)<br>S04 NWSW(20) SWSW(40)<br>S09 NWNW(40)<br>S08 NENE(40) NWNE(40) NENW(40) | 03-22-1982 | IRRIGATION | 04-15 10-15 | 8.00 CFS | SENW S10<br>T06N R44E | * 400 ACRES* | PERMIT |
| 22-7419 | CALDY, FRANK E.<br>P.O. BOX 334<br>DRIGGS ID 83422<br>OTHER RIGHTS: CLAIM #22-4071 | 01-11-1983 | IRRIGATION | 05-15 10-15 | .12 CFS | NWSE S17<br>T04N R45E | SWNE(01) NWSE(05)<br>S17 T04N R45E<br>* 6 ACRES* | APPLICATION |
| 22-7470 | RICKS, MARK R.<br>RIKO, INC.<br>259 SOUTH THIRD EAST<br>REXBURG ID 83440<br>OTHER RIGHTS: PERMIT<br>P/U: T06N R44E S09 SESW(40) SWSE(40) SESE(40)<br>S10 SWSW(20)<br>S15 NENW(40) NWNW(40) SWNW(40) SENW(10) NWSW(40)<br>S16 NENE(35) NWNE(35) SWNE(40) NENW(40) | 07-21-1983 | IRRIGATION | 04-01 11-01 | 3.00 CFS | NENW S15<br>T06N R44E | * 460 ACRES* | APPLICATION |

*INDICATES TOTAL* SOURCE: TETON RIVER TRIBUTARY TO: SNAKE RIVER, NORTH FORK

| RIGHT NUMBER | NAME AND ADDRESS | PRIORITY DATE | USE | USE PERIOD FROM TO | MAX AMOUNT MAX RATE | DIVERSION POINT | PLACE OF USE AND ACREAGE | BASIS FOR RIGHT |
|---|---|---|---|---|---|---|---|---|
| 22-7196 | BROWN, RAY M.<br>P.O. BOX 73<br>TETONIA ID 83452<br>P/U: T07N R43E | 06-23-1976 | IRRIGATION | 04-01 11-01 | 1.00 CFS | NWNE S29 T07N R44E | PERMIT<br>S23 NESE(40) NWSE(40) SWSE(40) SESE(40)<br>S24 NESW(40) NWSW(40) SWSW(40) SESW(40) NWSE(40) SWSE(40)<br>S25 NWNE(40) SWNE(40) NENW(40) NWNW(40) SWNW(40) SENW(40)<br>* 640 ACRES* | |

$\Sigma Irr = 184.09$ cfs



*T END JOB 151 WRA41e 0001 0001 R0001 LTUTHILL.4434 ROOM 8.12.52 AM 26 SEP 84 R1.PR1 SYS 053N END T*

01 Water Right Number - 22-7505 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - HOOPES | 04001 - J. CLINT | 05001 - C |

06 Add Line 1 - P.O. BOX 98 07 Add Line 2 -

08 Add Line 3 - 09 City - TETONIA 10 State - ID 11 ZIP - 83452

12 Stage - A APPLICATION 13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - HENRYS FORK |

16 Diversion Means - DIVERSION PUMPS THROUGH CLEMENTSVILLE PIPELINE TO CENTER PIVOT. 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 6.400 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rfls | STREAM INDEX FIELDS |
|---|---|---|---|---|---|---|
| 22001 - NWSE | 23001 - 03 | 24001 - 06N | 25001 - 44E | 26001 - | 27001 - | |
| | | | | 28001 - 0 | 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 0.0 | |

29 Non-Irrigation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 01 IRRIGATION | 31001 - 07N | 32001 - 43E | 33001 - 27 | 34001 - NESW | 35001 - 40 | 36001 - |
| 30002 - 01 IRRIGATION | 31002 - 07N | 32002 - 43E | 33002 - 27 | 34002 - NWSW | 35002 - 40 | 36002 - |
| 30003 - 01 IRRIGATION | 31003 - 07N | 32003 - 43E | 33003 - 27 | 34003 - SWSW | 35003 - 40 | 36003 - |
| 30004 - 01 IRRIGATION | 31004 - 07N | 32004 - 43E | 33004 - 27 | 34004 - SESW | 35004 - 40 | 36004 - |
| 30005 - 01 IRRIGATION | 31005 - 07N | 32005 - 43E | 33005 - 28 | 34005 - NESE | 35005 - 40 | 36005 - |
| 30006 - 01 IRRIGATION | 31006 - 07N | 32006 - 43E | 33006 - 28 | 34006 - NWSE | 35006 - 40 | 36006 - |
| 30007 - 01 IRRIGATION | 31007 - 07N | 32007 - 43E | 33007 - 28 | 34007 - SWSE | 35007 - 40 | 36007 - |
| 30008 - 01 IRRIGATION | 31008 - 07N | 32008 - 43E | 33008 - 28 | 34008 - SESE | 35008 - 40 | 36008 - |

Total Acres: 320

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0401 | 38001 - 1101 | 39001 - 01 IRRIGATION | 40001 - 6.400 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 -

Approval Conditions: 45001 -

46 Other Rights for Same Use -

| DATES | | | DATES | | | FLAGS | | |
|---|---|---|---|---|---|---|---|---|
| 47 | Priority | - 1-Jul-1985 | 55 | License | - | 63 | Transfer/Amended | - |
| 48 | Proof Due | - | 56 | Appl Received | - | 64 | DLE/Carey Act | - |
| 49 | Proof Made | - | 57 | Field Exam Made | - | 65 | Flag_1 | - |
| 50 | Approve/Denied | - | 58 | Decree | - | 66 | Flag_2 | - |
| 51 | Protested | - | 59 | Start Work | - | 67 | Flag_3 | - |
| 52 | Hearing | - | 60 | Order Show Cause | - | | | |
| 53 | Verified | - | 61 | Date_1 | - | | | |
| 54 | Last Update | - 5-Aug-1985 | 62 | Date_2 | - | | | |

01 Water Right Number - 22-7483 02 Old (D) Number -

LAST NAME
03001 - ENERGY GAP INC.,

FIRST NAME
04001 -

ORIG. OWNER
05001 - C

06 Add Line 1 - P.O. BOX 32

07 Add Line 2 -

08 Add Line 3 -

09 City - GOODING 10 State - ID 11 ZIP - 83330

12 Stage - A APPLICATION

13 Status -

SOURCE
14001 - TETON RIVER

TRIBUTARY OF
15001 - HENRYS FORK SNAKE RIVER

16 Diversion Means - NATURAL TOPOGRAPHIC FEATURES/CONCRETE OR ROCK STRUCTURE 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 650.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rfls | STREAM INDEX FIELDS |
|---|---|---|---|---|---|---|
| 22001 - SESW | 23001 - 34 | 24001 - 07N | 25001 - 44E | 26001 - | 27001 - | |
| | | | | 28001 - 0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 0.0 | |

29 Non-Irrigation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 28 POWER | 31001 - 07N | 32001 - 44E | 33001 - 28 | 34001 - SWNW | 35001 - | 36001 - |

Total Acres: 0

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0101 | 38001 - 1231 | 39001 - 28 POWER | 40001 - 650.000 | 41001 - 0.00 |

42 Decree Plaintiff Name -

43 Decree Defendant Name -

REMARKS
44001 - 8500 KW UNDER 248 FT. OF HEAD

Approval Conditions: 45001 -

46 Other Rights for Same Use -

DATES

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 47 | Priority | - 27-Sep-1984 | 55 | License | - | 63 | Transfer/Amended | - |
| 48 | Proof Due | - | 56 | Appl Received | - | 64 | DLE/Carey Act | - |
| 49 | Proof Made | - | 57 | Field Exam Made | - | 65 | Flag_1 | - |
| 50 | Approve/Denied | - | 58 | Decree | - | 66 | Flag_2 | - |
| 51 | Protested | - 2-Jan-1985 | 59 | Start Work | - | 67 | Flag_3 | - |
| 52 | Hearing | - | 60 | Order Show Cause | - | | | |
| 53 | Verified | - | 61 | Date_1 | - | | | |
| 54 | Last Update | - 29-Oct-1985 | 62 | Date_2 | - | | | |

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHTS PROOF READING REPORT



01 Water Risht Number - 22-7392 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - EHCO RANCH | 04001 - | 05001 - C |
| 03002 - ECHO RANCH | 04002 - | 05002 - D |

06 Add Line 1 - P.O. BOX 97 07 Add Line 2 -

08 Add Line 3 - 09 City - TETONIA 10 State - ID 11 ZIP - 83452

12 Stage - P PERMIT 13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - PUMP & MAINLINE TO PIVOTS & HANDLINES 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 8.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rns | Lot | Rfls | STREAM INDEX FIELDS |
|---|---|---|---|---|---|---|
| 22001 - SENW | 23001 - 10 | 24001 - 06N | 25001 - 44E | 26001 - | 27001 - | |
| | | | | 28001 - 0 | 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 0.0 | |

29 Non-Irrisation Use -

PLACE OF USE

| Use Code / Use | Twn | Rns | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 01 IRRIGATION | 31001 - 06N | 32001 - 44E | 33001 - 05 | 34001 - NESW | 35001 - 20 | 36001 - |
| 30002 - 01 IRRIGATION | 31002 - 06N | 32002 - 44E | 33002 - 05 | 34002 - SESW | 35002 - 40 | 36002 - |
| 30003 - 01 IRRIGATION | 31003 - 06N | 32003 - 44E | 33003 - 05 | 34003 - NESE | 35003 - 20 | 36003 - |
| 30004 - 01 IRRIGATION | 31004 - 06N | 32004 - 44E | 33004 - 05 | 34004 - NWSE | 35004 - 20 | 36004 - |
| 30005 - 01 IRRIGATION | 31005 - 06N | 32005 - 44E | 33005 - 05 | 34005 - SWSE | 35005 - 40 | 36005 - |
| 30006 - 01 IRRIGATION | 31006 - 06N | 32006 - 44E | 33006 - 05 | 34006 - SESE | 35006 - 40 | 36006 - |
| 30007 - 01 IRRIGATION | 31007 - 06N | 32007 - 44E | 33007 - 04 | 34007 - NWSW | 35007 - 20 | 36007 - |
| 30008 - 01 IRRIGATION | 31008 - 06N | 32008 - 44E | 33008 - 04 | 34008 - SWSW | 35008 - 40 | 36008 - |
| 30009 - 01 IRRIGATION | 31009 - 06N | 32009 - 44E | 33009 - 09 | 34009 - NWNW | 35009 - 40 | 36009 - |
| 30010 - 01 IRRIGATION | 31010 - 06N | 32010 - 44E | 33010 - 08 | 34010 - NENE | 35010 - 40 | 36010 - |
| 30011 - 01 IRRIGATION | 31011 - 06N | 32011 - 44E | 33011 - 08 | 34011 - NWNE | 35011 - 40 | 36011 - |
| 30012 - 01 IRRIGATION | 31012 - 06N | 32012 - 44E | 33012 - 08 | 34012 - NENW | 35012 - 40 | 36012 - |

Total Acres: 400

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0415 | 38001 - 1015 | 39001 - 01 IRRIGATION | 40001 - 8.000 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 -

Approval Conditions: 45001 01

Approval Conditions: 45002 05
45003 11

46 Other Rights for Same Use - 22-7375

| DATES | | | DATES | | | FLAGS | | |
|---|---|---|---|---|---|---|---|---|
| 47 | Priority | - 22-Mar-1982 | 55 | License | - | 63 | Transfer/Amended | - |
| 48 | Proof Due | - 1-Jun-1984 | 56 | Appl Received | - | 64 | DLE/Carey Act | - |
| 49 | Proof Made | - 1-Jan-1900 | 57 | Field Exam Made | - | 65 | Flag_1 | - |
| 50 | Approve/Denied | - 15-May-1982 | 58 | Decree | - | 66 | Flag_2 | - |
| 51 | Protested | - | 59 | Start Work | - | 67 | Flag_3 | - |
| 52 | Hearing | - | 60 | Order Show Cause | - | | | |
| 53 | Verified | - | 61 | Date_1 | - | | | |
| 54 | Last Update | - 12-Mar-1984 | 62 | Date_2 | - | | | |

Downstream of MSF Reach

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHTS PROOF READING REPORT



01 Water Right Number - 22-7396 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - BRIGGS | 04001 - GEORGE A. | 05001 - C |
| 03002 - BRIGGS | 04002 - LYDIA A. | 05002 - C |

06 Add Line 1 - BOX 62

07 Add Line 2 -

08 Add Line 3 -

09 City - TETON 10 State - ID 11 ZIP - 83451

12 Stage - A APPLICATION

13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - TETON IRRIG.CANAL & POWER PLANT 17 County - 43 FREMONT

18 Diversion Capacity - .000 19 Total Diversion Rate - 52.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rfls | STREAM INDEX FIELDS |
|---|---|---|---|---|---|---|
| 22001 - SWNW | 23001 - 28 | 24001 - 07N | 25001 - 41E | 26001 - 0 | 27001 - 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 0.0 |
| | | | | 28001 - | | |

29 Non-Irrigation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 28 POWER | 31001 - 07N | 32001 - 41E | 33001 - 31 | 34001 - SWNW | 35001 - | 36001 - |

Total Acres: 0

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0101 | 38001 - 1231 | 39001 - 28 POWER | 40001 - 52.000 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 -

Approval Conditions: 45001 -

46 Other Rights for Same Use -

| DATES | | DATES | | FLAGS | |
|---|---|---|---|---|---|
| 47 Priority | - 30-Apr-1982 | 55 License | - | 63 Transfer/Amended | - |
| 48 Proof Due | - | 56 Appl Received | - | 64 DLE/Carey Act | - |
| 49 Proof Made | - | 57 Field Exam Made | - | 65 Flag_1 | - |
| 50 Approve/Denied | - | 58 Decree | - | 66 Flag_2 | - |
| 51 Protested | - | 59 Start Work | - | 67 Flag_3 | - |
| 52 Hearing | - | 60 Order Show Cause | - | | |
| 53 Verified | - | 61 Date_1 | - | | |

| DATES | | DATES | | FLAGS |
|---|---|---|---|---|
| 54 | Last Update - 25-May-1982 | 62 | Date_2 - | |

Upstream & Reach

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHTS PROOF READING REPORT



01 Water Right Number - 22-7419 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - CADDY | 04001 - FRANK E. | 05001 - C |

06 Add Line 1 - P.O. BOX 334

07 Add Line 2 -

08 Add Line 3 -

09 City - DRIGGS 10 State - ID 11 ZIP - 83422

12 Stage - A APPLICATION

13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - PUMP, LINE & SPRINKLER SYSTEM 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - .120 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| | Tract | Sec | Twn | Rng | Lot | Rfls | STREAM INDEX FIELDS |
|---|---|---|---|---|---|---|---|
| 22001 - | NWSE | 23001 - 17 | 24001 - 04N | 25001 - 45E | 26001 - | 27001 - | |
| | | | | | 28001 - 0 | 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 0.0 | |

29 Non-Irrigation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 01 IRRIGATION | 31001 - 04N | 32001 - 45E | 33001 - 17 | 34001 - SWNE | 35001 - 01 | 36001 - |
| 30002 - 01 IRRIGATION | 31002 - 04N | 32002 - 45E | 33002 - 17 | 34002 - NWSE | 35002 - 05 | 36002 - |

Total Acres: 6

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0515 | 38001 - 1015 | 39001 - 01 IRRIGATION | 40001 - 0.120 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 -

Approval Conditions: 45001 -

46 Other Rights for Same Use - CLAIM #22-4071

| DATES | | DATES | | FLAGS | |
|---|---|---|---|---|---|
| 47 Priority | - 11-Jan-1983 | 55 License | - | 63 Transfer/Amended | - |
| 48 Proof Due | - | 56 Appl Received | - | 64 DLE/Carey Act | - |
| 49 Proof Made | - | 57 Field Exam Made | - | 65 Flag_1 | - |
| 50 Approve/Denied | - | 58 Decree | - | 66 Flag_2 | - |
| 51 Protested | - | 59 Start Work | - | 67 Flag_3 | - |
| 52 Hearing | - | 60 Order Show Cause | - | | |
| 53 Verified | - | 61 Date_1 | - | | |

| DATES | | DATES | | FLAGS |
|---|---|---|---|---|
| 54 | Last Update - 21-Nov-1983 | 62 | Date_2 - | |

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHTS PROOF READING REPORT



01 Water Right Number - 22-7470 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - RICKS | 04001 - MARK R. | 05001 - C |
| 03002 - RIKO, INC. | 04002 - | 05002 - D |

06 Add Line 1 - 259 SOUTH THIRD EAST

07 Add Line 2 -

08 Add Line 3 -

09 City - REXBURG 10 State - ID 11 ZIP - 83440

12 Stage - A APPLICATION

13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - PUMP MAINLINE AND SPRINKLER SYSTEM 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 3.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| | Tract | Sec | Twn | Rng | Lot | Rfls | STREAM | INDEX | FIELDS |
|---|---|---|---|---|---|---|---|---|---|
| 22001 - | NENW | 23001 - 15 | 24001 - 06N | 25001 - 44E | 26001 - | 27001 - | | | |
| | | | | | 28001 - 0 | 0.0 | 0.0 0.0 0.0 0.0 | 0 0 0 | 0.0 |

29 Non-Irrigation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 01 IRRIGATION | 31001 - 06N | 32001 - 44E | 33001 - 09 | 34001 - SESW | 35001 - 40 | 36001 - |
| 30002 - 01 IRRIGATION | 31002 - 06N | 32002 - 44E | 33002 - 09 | 34002 - SWSE | 35002 - 40 | 36002 - |
| 30003 - 01 IRRIGATION | 31003 - 06N | 32003 - 44E | 33003 - 09 | 34003 - SESE | 35003 - 40 | 36003 - |
| 30004 - 01 IRRIGATION | 31004 - 06N | 32004 - 44E | 33004 - 10 | 34004 - SWSW | 35004 - 20 | 36004 - |
| 30005 - 01 IRRIGATION | 31005 - 06N | 32005 - 44E | 33005 - 15 | 34005 - NENW | 35005 - 40 | 36005 - |
| 30006 - 01 IRRIGATION | 31006 - 06N | 32006 - 44E | 33006 - 15 | 34006 - NWNW | 35006 - 40 | 36006 - |
| 30007 - 01 IRRIGATION | 31007 - 06N | 32007 - 44E | 33007 - 15 | 34007 - SWNW | 35007 - 40 | 36007 - |
| 30008 - 01 IRRIGATION | 31008 - 06N | 32008 - 44E | 33008 - 15 | 34008 - SENW | 35008 - 10 | 36008 - |
| 30009 - 01 IRRIGATION | 31009 - 06N | 32009 - 44E | 33009 - 15 | 34009 - NWSW | 35009 - 40 | 36009 - |
| 30010 - 01 IRRIGATION | 31010 - 06N | 32010 - 44E | 33010 - 16 | 34010 - NENE | 35010 - 35 | 36010 - |
| 30011 - 01 IRRIGATION | 31011 - 06N | 32011 - 44E | 33011 - 16 | 34011 - NWNE | 35011 - 35 | 36011 - |
| 30012 - 01 IRRIGATION | 31012 - 06N | 32012 - 44E | 33012 - 16 | 34012 - SWNE | 35012 - 40 | 36012 - |
| 30013 - 01 IRRIGATION | 31013 - 06N | 32013 - 44E | 33013 - 16 | 34013 - NENW | 35013 - 40 | 36013 - |

Total Acres: 460

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0401 | 38001 - 1101 | 39001 - 01 IRRIGATION | 40001 - 3.000 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 -

Approval Conditions: 45001 -

46 Other Rights for Same Use - PERMIT

| DATES | | | DATES | | | FLAGS | | |
|---|---|---|---|---|---|---|---|---|
| 47 | Priority | - 21-Jul-1983 | 55 | License | - | 63 | Transfer/Amended | - |
| 48 | Proof Due | - | 56 | Appl Received | - | 64 | DLE/Carey Act | - |
| 49 | Proof Made | - | 57 | Field Exam Made | - | 65 | Flag_1 | - |
| 50 | Approve/Denied | - | 58 | Decree | - | 66 | Flag_2 | - |
| 51 | Protested | - | 59 | Start Work | - | 67 | Flag_3 | - |
| 52 | Hearing | - | 60 | Order Show Cause | - | | | |
| 53 | Verified | - | 61 | Date_1 | - | | | |
| 54 | Last Update | - 5-Dec-1983 | 62 | Date_2 | - | | | |

01 Water Right Number - 22-7482 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - FALL RIVER RURAL ELECTRIC CO-OP, INC. | 04001 - | 05001 - C |

06 Add Line 1 - P.O. BOX 617

07 Add Line 2 -

08 Add Line 3 -

09 City - ASHTON 10 State - ID 11 ZIP - 83420

12 Stage - P PERMIT

13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - DIVERSION STRUCTURE, PENSTOCKS WITH HEADGATE 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 80.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rfls | STREAM INDEX FIELDS | |
|---|---|---|---|---|---|---|---|
| 22001 - NWNE | 23001 - 29 | 24001 - 07N | 25001 - 44E | 26001 - | 27001 - | | |
| | | | | 28001 - 0 | 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 | 0.0 |
| 22002 - SWNE | 23002 - 29 | 24002 - 07N | 25002 - 44E | 26002 - | 27002 - | | |
| | | | | 28002 - 0 | 0.0 | 0.0 0.0 0.0 0.0 0.0 0.0 0 0 0 | 0.0 |

29 Non-Irrisation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 28 POWER | 31001 - 07N | 32001 - 44E | 33001 - 20 | 34001 - SWSE | 35001 - | 36001 - |
| 30002 - 28 POWER | 31002 - 07N | 32002 - 44E | 33002 - 29 | 34002 - NWNE | 35002 - | 36002 - |

Total Acres: 0

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0101 | 38001 - 1231 | 39001 - 28 POWER | 40001 - 80.000 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 - 1200 HORSEPOWER UNDER 150 FEET OF HEAD
44002 - USE OF WATER UNDER THIS PERMIT SHALL BE NON-CONSUMPTIVE.
44003 - THE ISSUANCE OF THIS PERMIT IN NO WAY GRANTS ANY RIGHT-OF-WAY OR
44004 - EASEMENT ACROSS THE LAND OF ANOTHER.

Approval Conditions: 45001 09D
45002 17G
45003 17K
45004 25
45005 05
45006 08A
45007 01E

Approval Conditions: 45008 16

46 Other Rights for Same Use -

| DATES | | | DATES | | | FLAGS | | |
|---|---|---|---|---|---|---|---|---|
| 47 | Priority - | 3-Oct-1984 | 55 | License - | | 63 | Transfer/Amended | - |
| 48 | Proof Due - | 1-Jun-1986 | 56 | Appl Received - | | 64 | DLE/Carey Act | - |
| 49 | Proof Made - | | 57 | Field Exam Made - | | 65 | Flag_1 | - |
| 50 | Approve/Denied- | 8-May-1985 | 58 | Decree - | | 66 | Flag_2 | - |
| 51 | Protested - | | 59 | Start Work - | | 67 | Flag_3 | - |
| 52 | Hearing - | | 60 | Order Show Cause - | | | | |
| 53 | Verified - | | 61 | Date_1 - | | | | |
| 54 | Last Update - | 20-May-1985 | 62 | Date_2 - | | | | |

01 Water Right Number - 22-7487 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - FALL RIVER RURAL ELECTRIC CO-OP, INC. | 04001 - | 05001 - C |

06 Add Line 1 - P.O. BOX AE 07 Add Line 2 -

08 Add Line 3 - 09 City - ASHTON 10 State - ID 11 ZIP - 83420

12 Stage - P PERMIT 13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - DIVERSION STRUCTURE 17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 204.000 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| | Tract | Sec | Twn | Rng | Lot | Rfls | STREAM INDEX FIELDS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22001 - | NWNE | 23001 - 29 | 24001 - 07N | 25001 - | 44E | 26001 - | 27001 - | | | | | | | | | | |
| | | | | | | 28001 - 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | |
| 22002 - | SWNE | 23002 - 29 | 24002 - 07N | 25002 - | 44E | 26002 - | 27002 - | | | | | | | | | | |
| | | | | | | 28002 - 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | |

29 Non-Irrisation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 28 POWER | 31001 - 07N | 32001 - 44E | 33001 - 29 | 34001 - SWNE | 35001 - | 36001 - |

Total Acres: 0

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0415 | 38001 - 0815 | 39001 - 28 POWER | 40001 - 204.000 | 41001 - 0.00 |

42 Decree Plaintiff Name - 43 Decree Defendant Name -

REMARKS
44001 - 1520 HP UNDER 80 FEET OF HEAD

Approval Conditions: 45001 09D
45002 17G
45003 17K
45004 25
45005 27
45006 08A
45007 01E
45008 05

46 Other Rights for Same Use -

| | DATES | | DATES | | FLAGS | |
|---|---|---|---|---|---|---|
| 47 | Priority | - 25-Feb-1985 | 55 License | - | 63 Transfer/Amended | - |
| 48 | Proof Due | - 1-Jun-1986 | 56 Appl Received | - | 64 DLE/Carey Act | - |
| 49 | Proof Made | - | 57 Field Exam Made | - | 65 Flag_1 | - |
| 50 | Approve/Denied | - 8-May-1985 | 58 Decree | - | 66 Flag_2 | - |
| 51 | Protested | - | 59 Start Work | - | 67 Flag_3 | - |
| 52 | Hearing | - | 60 Order Show Cause | - | | |
| 53 | Verified | - | 61 Date_1 | - | | |
| 54 | Last Update | - 20-May-1985 | 62 Date_2 | - | | |

Downstream of Read

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHTS PROOF READING REPORT



01 Water Right Number - 22-7490 02 Old (D) Number -

| LAST NAME | FIRST NAME | ORIG. OWNER |
|---|---|---|
| 03001 - CANYON CK.LATERAL DITCH WATER USERS ASSN | 04001 - | 05001 - C |

06 Add Line 1 - 07 Add Line 2 -

08 Add Line 3 - 09 City - NEWDALE 10 State - ID 11 ZIP - 83436

12 Stage - A APPLICATION 13 Status -

| SOURCE | TRIBUTARY OF |
|---|---|
| 14001 - TETON RIVER | 15001 - SNAKE RIVER |

16 Diversion Means - 17 County - 65 MADISON

18 Diversion Capacity - .000 19 Total Diversion Rate - 5.300 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rfls | STREAM INDEX FIELDS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22001 - SENE | 23001 - 30 | 24001 - 07N | 25001 - 42E | 26001 - | 27001 - | | | | | | | | | | | |
| | | | | 28001 - 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | |

29 Non-Irrigation Use -

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 01 IRRIGATION | 31001 - 06N | 32001 - 42E | 33001 - 05 | 34001 - SESW | 35001 - 40 | 36001 - |
| 30002 - 01 IRRIGATION | 31002 - 06N | 32002 - 42E | 33002 - 05 | 34002 - SWSE | 35002 - 40 | 36002 - |
| 30003 - 01 IRRIGATION | 31003 - 06N | 32003 - 42E | 33003 - 05 | 34003 - SESE | 35003 - 40 | 36003 - |
| 30004 - 01 IRRIGATION | 31004 - 06N | 32004 - 42E | 33004 - 06 | 34004 - NENE | 35004 - 40 | 36004 - |
| 30005 - 01 IRRIGATION | 31005 - 06N | 32005 - 42E | 33005 - 06 | 34005 - NWNE | 35005 - 40 | 36005 - |
| 30006 - 01 IRRIGATION | 31006 - 06N | 32006 - 42E | 33006 - 06 | 34006 - SWNE | 35006 - 40 | 36006 - |
| 30007 - 01 IRRIGATION | 31007 - 06N | 32007 - 42E | 33007 - 06 | 34007 - SENE | 35007 - 40 | 36007 - |
| 30008 - 01 IRRIGATION | 31008 - 06N | 32008 - 42E | 33008 - 06 | 34008 - NENW | 35008 - 40 | 36008 - |
| 30009 - 01 IRRIGATION | 31009 - 06N | 32009 - 42E | 33009 - 06 | 34009 - SENW | 35009 - 40 | 36009 - |
| 30010 - 01 IRRIGATION | 31010 - 06N | 32010 - 42E | 33010 - 07 | 34010 - NENE | 35010 - 40 | 36010 - |
| 30011 - 01 IRRIGATION | 31011 - 06N | 32011 - 42E | 33011 - 07 | 34011 - NWNE | 35011 - 40 | 36011 - |
| 30012 - 01 IRRIGATION | 31012 - 06N | 32012 - 42E | 33012 - 07 | 34012 - SWNE | 35012 - 40 | 36012 - |
| 30013 - 01 IRRIGATION | 31013 - 06N | 32013 - 42E | 33013 - 07 | 34013 - SENE | 35013 - 40 | 36013 - |
| 30014 - 01 IRRIGATION | 31014 - 06N | 32014 - 42E | 33014 - 07 | 34014 - NESW | 35014 - 40 | 36014 - |
| 30015 - 01 IRRIGATION | 31015 - 06N | 32015 - 42E | 33015 - 07 | 34015 - NWSW | 35015 - 40 | 36015 - |
| 30016 - 01 IRRIGATION | 31016 - 06N | 32016 - 42E | 33016 - 07 | 34016 - SWSW | 35016 - 40 | 36016 - |
| 30017 - 01 IRRIGATION | 31017 - 06N | 32017 - 42E | 33017 - 07 | 34017 - SESW | 35017 - 40 | 36017 - |
| 30018 - 01 IRRIGATION | 31018 - 06N | 32018 - 42E | 33018 - 07 | 34018 - NESE | 35018 - 40 | 36018 - |
| 30019 - 01 IRRIGATION | 31019 - 06N | 32019 - 42E | 33019 - 07 | 34019 - NWSE | 35019 - 40 | 36019 - |
| 30020 - 01 IRRIGATION | 31020 - 06N | 32020 - 42E | 33020 - 07 | 34020 - SWSE | 35020 - 40 | 36020 - |
| 30021 - 01 IRRIGATION | 31021 - 06N | 32021 - 42E | 33021 - 07 | 34021 - SESE | 35021 - 40 | 36021 - |
| 30022 - 01 IRRIGATION | 31022 - 06N | 32022 - 42E | 33022 - 08 | 34022 - NWNE | 35022 - 40 | 36022 - |
| 30023 - 01 IRRIGATION | 31023 - 06N | 32023 - 42E | 33023 - 08 | 34023 - SWNE | 35023 - 40 | 36023 - |
| 30024 - 01 IRRIGATION | 31024 - 06N | 32024 - 42E | 33024 - 08 | 34024 - NENW | 35024 - 40 | 36024 - |
| 30025 - 01 IRRIGATION | 31025 - 06N | 32025 - 42E | 33025 - 08 | 34025 - NWNW | 35025 - 40 | 36025 - |
| 30026 - 01 IRRIGATION | 31026 - 06N | 32026 - 42E | 33026 - 08 | 34026 - SWNW | 35026 - 40 | 36026 - |

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30027 - 01 IRRIGATION | 31027 - 06N | 32027 - 42E | 33027 - 08 | 34027 - SENW | 35027 - 40 | 36027 - |
| 30028 - 01 IRRIGATION | 31028 - 06N | 32028 - 42E | 33028 - 08 | 34028 - NESW | 35028 - 40 | 36028 - |
| 30029 - 01 IRRIGATION | 31029 - 06N | 32029 - 42E | 33029 - 08 | 34029 - NWSW | 35029 - 40 | 36029 - |
| 30030 - 01 IRRIGATION | 31030 - 06N | 32030 - 42E | 33030 - 08 | 34030 - SWSW | 35030 - 40 | 36030 - |
| 30031 - 01 IRRIGATION | 31031 - 06N | 32031 - 42E | 33031 - 08 | 34031 - SESW | 35031 - 40 | 36031 - |
| 30032 - 01 IRRIGATION | 31032 - 06N | 32032 - 42E | 33032 - 08 | 34032 - NWSE | 35032 - 40 | 36032 - |
| 30033 - 01 IRRIGATION | 31033 - 06N | 32033 - 42E | 33033 - 08 | 34033 - SWSE | 35033 - 13 | 36033 - |
| 30034 - 01 IRRIGATION | 31034 - 06N | 32034 - 41E | 33034 - 12 | 34034 - NESE | 35034 - 40 | 36034 - |
| 30035 - 01 IRRIGATION | 31035 - 06N | 32035 - 41E | 33035 - 12 | 34035 - SESE | 35035 - 40 | 36035 - |

Total Acres: 1373

## WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0401 | 38001 - 1101 | 39001 - 01 IRRIGATION | 40001 - 5.300 | 41001 - 0.00 |

42 Decree Plaintiff Name -

43 Decree Defendant Name -

REMARKS
44001 - FREMONT MADISON STORAGE, SHARES IN CANYON CK. CANAL CO.

Approval Conditions: 45001 -

46 Other Rights for Same Use - 22-7253/7213/7015.

| DATES | | DATES | | FLAGS | |
|---|---|---|---|---|---|
| 47 Priority | - 10-Apr-1985 | 55 License | - | 63 Transfer/Amended | - |
| 48 Proof Due | - | 56 Appl Received | - | 64 DLE/Carey Act | - |
| 49 Proof Made | - | 57 Field Exam Made | - | 65 Flag_1 | - |
| 50 Approve/Denied | - | 58 Decree | - | 66 Flag_2 | - |
| 51 Protested | - | 59 Start Work | - | 67 Flag_3 | - |
| 52 Hearing | - | 60 Order Show Cause | - | | |
| 53 Verified | - | 61 Date_1 | - | | |
| 54 Last Update | - 6-May-1985 | 62 Date_2 | - | | |

01 Water Right Number - 22-7369 02 Old (D) Number -

LAST NAME
03001 - STATE OF IDAHO

FIRST NAME
04001 -

ORIG. OWNER
05001 - C

06 Add Line 1 - IDAHO WATER RESOURCE BOARD

07 Add Line 2 -

08 Add Line 3 - STATEHOUSE MAIL

09 City - BOISE 10 State - ID 11 ZIP - 83720

12 Stage - A APPLICATION

13 Status -

SOURCE
14001 - TETON RIVER

TRIBUTARY OF
15001 - SNAKE RIVER, HENRYS FORK

16 Diversion Means - GAGING STATION.

17 County - 81 TETON

18 Diversion Capacity - .000 19 Total Diversion Rate - 50.000 (106.0 cfs) 20 Total Diversion Volume - .00

21 Water District - 01

DIVERSION POINTS

| Tract | Sec | Twn | Rng | Lot | Rfls | STREAM | INDEX | FIELDS |
|---|---|---|---|---|---|---|---|---|
| 22001 - NWNE | 23001 - 20 | 24001 - 07N | 25001 - 44E | 26001 - | 27001 - | | | |
| | | | | 28001 - 0 | 0.0 0.0 | 0.0 0.0 | 0.0 0.0 | 0 0 0 0.0 |
| 22002 - SESW | 23002 - 23 | 24002 - 06N | 25002 - 44E | 26002 - | 27002 - | | | |
| | | | | 28002 - 0 | 0.0 0.0 | 0.0 0.0 | 0.0 0.0 | 0 0 0 0.0 |

29 Non-Irrigation Use - N/MAINTAIN TROUT HABITAT.

PLACE OF USE

| Use Code / Use | Twn | Rng | Sec | Tract | Acres | Lot |
|---|---|---|---|---|---|---|
| 30001 - 34 MINIMUM INSTEAM FLOW | 31001 - 07N | 32001 - 44E | 33001 - 20 | 34001 - NWNE | 35001 - | 36001 - |

Total Acres: 0

WATER USE

| Period From | Period To | Use Code / Use | Diversion Rate | Diversion Volume |
|---|---|---|---|---|
| 37001 - 0101 | 38001 - 1231 | 39001 - 34 MINIMUM INSTEAM FLOW | 40001 - 50.000 | 41001 - 0.00 |

42 Decree Plaintiff Name -

43 Decree Defendant Name -

REMARKS
44001 - P/D'S ARE LOCATION OF REACH. PROTESTED 3/31/1981. MIN. FLOWS
44002 - AGREED TO & APPROVED BY IWRB ARE 20 CFS EXCEPT FOR 3 MONTHS EACH
44003 - YR DURING THE CUTTHROAT TROUT MIGRATION, WHICH WILL BE 50 CFS.
44004 - ONE OF THESE MONTHS WILL BE JUNE.

Approval Conditions: 45001 -

46 Other Rights for Same Use -

DATES

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 47 | Priority | - 19-Jun-1981 | 55 | License | - | 63 | Transfer/Amended | - |
| 48 | Proof Due | - | 56 | Appl Received | - | 64 | DLE/Carey Act | - |
| 49 | Proof Made | - | 57 | Field Exam Made | - | 65 | Flag_1 | - |

| DATES | | | DATES | | | FLAGS | |
|---|---|---|---|---|---|---|---|
| 50 | Approve/Denied | - | 58 | Decree | - | 66 Flag_2 | - |
| 51 | Protested | - 8-Sep-1981 | 59 | Start Work | - | 67 Flag_3 | - |
| 52 | Hearing | - | 60 | Order Show Cause | - | | |
| 53 | Verified | - 18-Jun-1985 | 61 | Date_1 | - | | |
| 54 | Last Update | - 18-Jun-1985 | 62 | Date_2 | - | | |