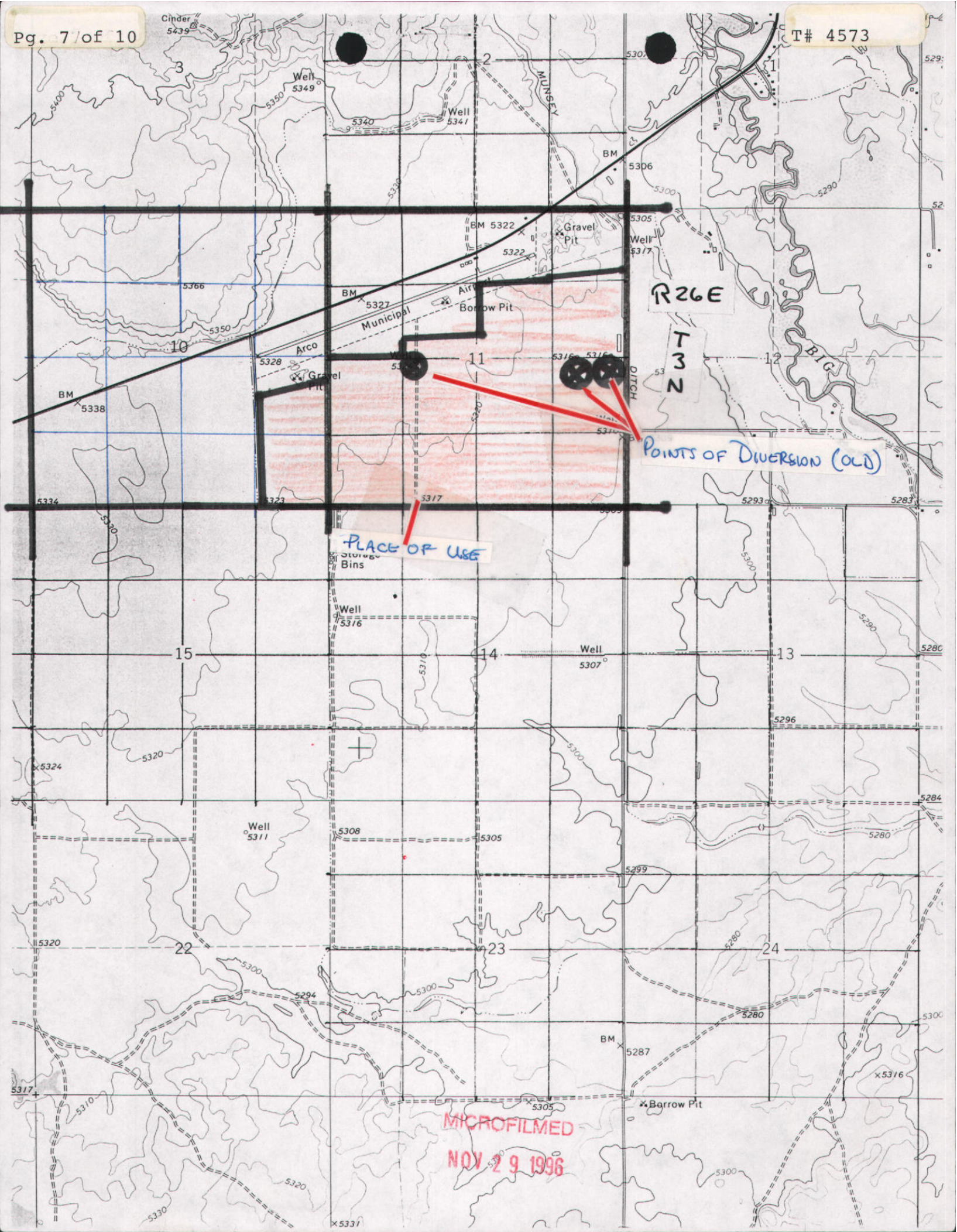
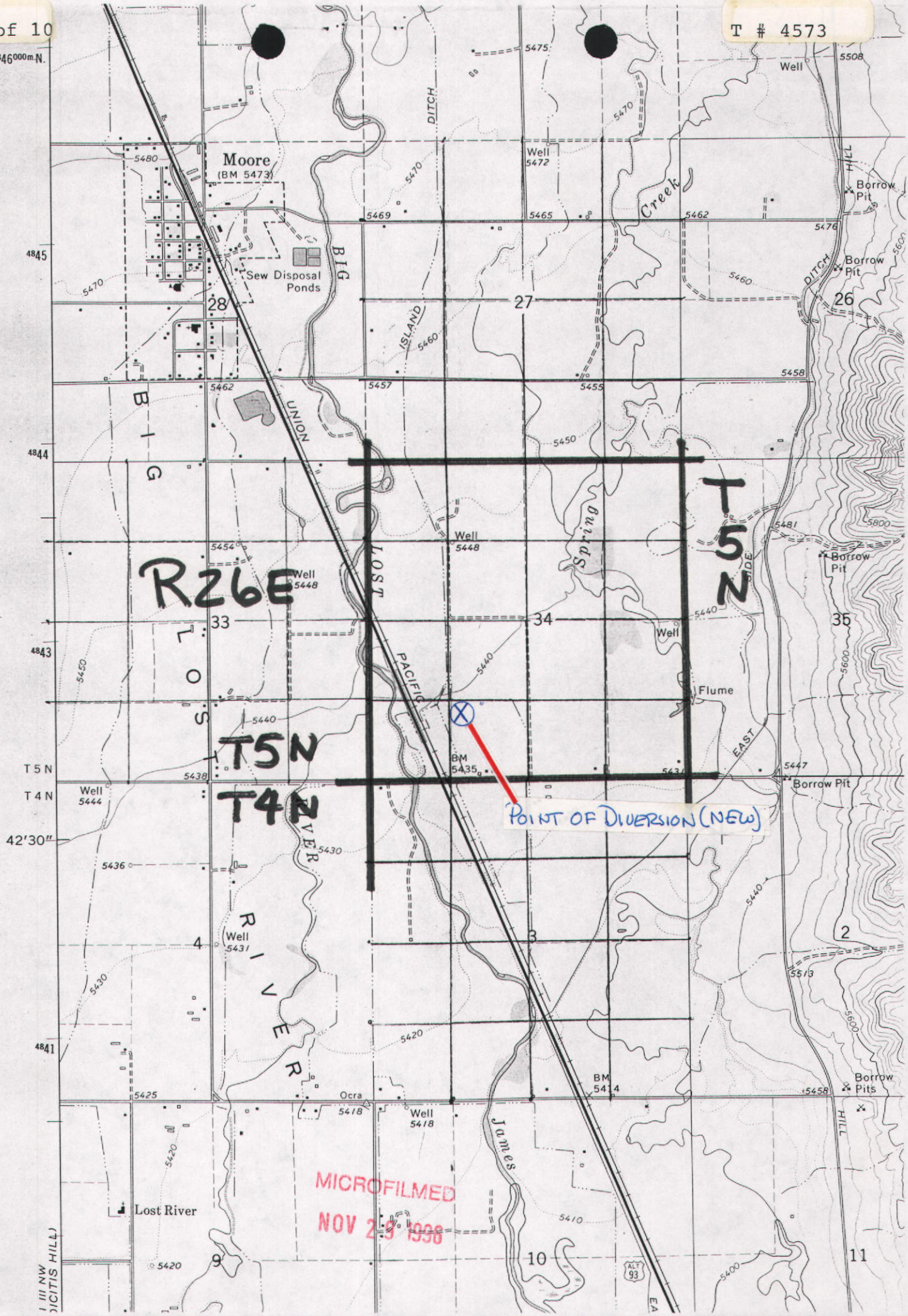
T# 4573


Cinder
5439
Well
5349
Well
5341
MUNSEY
BM
5306
BM 5322
Gravel Pit
Well
5317
R26E
T
3
N
BM
5327
Municipal
Air
Borrow Pit
Arco
Gravel Pit
BM
5338
BIG
DITCH
POINTS OF DIVERSION (OLD)
PLACE OF USE
Storage Bins
Well
5316
Well
5307
Well
5311
BM
5287
Borrow Pit
MICROFILMED
NOV 29 1996

T # 4573



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NOV 23 1998

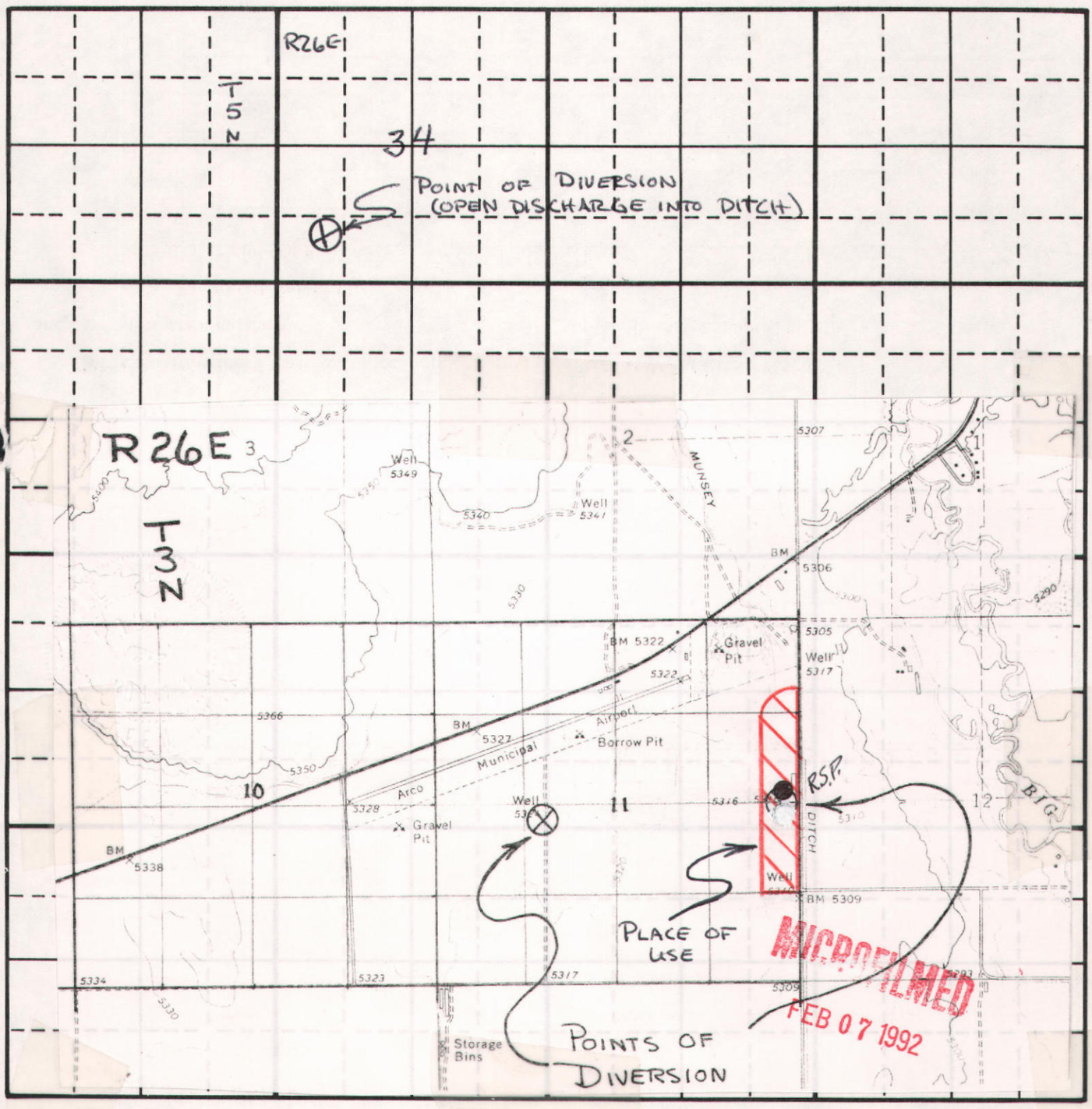
c. Describe the lands [redacted] lace of use to which the right will be tr[redacted]erred:

TWP.	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
3N	26E	11	5			25					[redacted]				25				55

Total number of acres to be irrigated 55

4. Describe any other water rights used for the same purpose as described above. Big Lost Decree and Permit No. 34-7145

5. Draw a map indicating the new point(s) of diversion and/or the new land to be irrigated. Show clearly the land involved by section, township and range number.



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FEB 07 1992

SCALE: 2 inches equal 1 mile. Draw plan in ink.

WATERWAYS TRANSPORT AGREEMENT

THIS AGREEMENT, made and entered into this 1 day of April 19 80, by and between Ralph Parkinson for Lost River West Ranch of , Butte County, State of Idaho and THE BIG LOST RIVER IRRIGATION DISTRICT, an Irrigation District duly organized under the laws of the State of Idaho, with its principal office in Mackay, Custer County, State of Idaho.

WITNESSETH:

WHEREAS, Ralph Parkinson *herein noted as Lost River West by Ralph Parkinson is the owner of certain rights to well waters with a point of diversion described as follows(legal description): Section 4 Twp 5 Rge 26

and,

WHEREAS these rights to waters are in the amount of approximately [illegible] inches of capacity, and

WHEREAS Ralph Parkinson desires to transport said waters through an existing canal of District for use at a point other than the point of diversion.

WHEREAS, the District is the owner of a canal known as the Island-Eastside [illegible] Canal, being a part of the facilities of the District for the transmission of dofreed and storage waters within the boundaries of said district, and,

WHEREAS, Ralph Parkinson desires to transport said waters described above through said noted Canal to the end of said canal at the boundaries of the District, and thereafter beyond said boundary on to land owned by Ralph Parkinson outside the boundary lines of the district, to the end that said waters would be used on lands described as follows (legal description):

Section 23 Twp 3 N rge 26 NE¼NW¼ , NW¼NE¼ SE¼NE¼, SW¼NE¼

Section 11 Fr; NE¼, FR: SW¼ SW¼SE¼, SE¼SE¼, NW¼SE¼ NE¼SE¼ Section 11 FR: NE¼ FR: SW¼ SE¼, SW¼.

Section 10 SE¼SE¼ NE¼SE¼.

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NOW, THEREFORE, it is mutually agreed as follows:

1. Ralph Parkinson may transport the well waters with the point of diversion at Island east side Munsey in the amount of approximately 260 miners inches capacity, in and through said noted Canal owned by the District, subject to the terms and conditions of this agreement.

2. Ralph Parkinson shall construct and maintain at their own expense, any additional ditch, structures, or other improvements, other than the existing noted Canal, that might be required to make the waters available to the land of Ralph Parkinson.

3. The right of Ralph Parkinson as set forth above is subordinated to all existing and prior rights for the transportation of waters of the District in and through said noted Canal, and the right granted herein is granted only as long as there is sufficient additional capacity in noted Canl beyond the needs and uses of District to carry said waters of Ralph Parkinson. The determination of the availability of additional capacity in noted Canal shall be the sole determination of District. In the event that there is no additional capacity in the noted Canal for the transportation of said waters, Ralph Parkinson agrees to construct at their sole expense any additional carrying capacity in the noted Canal. In the event Ralph Parkinson decides to forego the use of the noted Canal when there is no additional capacity, this agreement shall terminate.

4. Ralph Parkinson shall pay a proportionate part of the annual operation, maintenance, assessment and overheard costs of the District as a toll charge for the use of noted Canal. The operation and maintenance portions of the toll charge shall be based upon an assessment of the benefit received, said amount to be set by District on the same basis as other toll charges made concerning like rights. The assesment and overhead charges will be set against all lands benefitted hereby proportionately. Since all charges, including operation and maintenance are based on the number of irrigated acres, Ralph Parkinson shall notify District of the number of acres that have been irrigated by Ralph Parkinson with said waters each year. Notice of charges shall be given to Ralph Parkinson by the District on or after the 1st day of April and are payable in full within thirty(30) days of such notice.

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5. No water rights, transmission capacity, or ditch rights, in the noted Canal shall accrue to Ralph Parkinson by reason of this agreement, the rights of said Ralph Parkinson being contained only in the terms of this agreement.

6. This agreement shall be for a term of twenty(20) years beginning the 1st day of April, 19 89, and shall remain in full force and effect until the 1 day of April, 1999, unless terminated as indicated in paragraph 7.

7. Failure to pay all charges and assessments agreed to when due shall be a breach of this agreement. Failure to accurately report the number of irrigated acres or to increase the flow of water through the noted Canal above that specified in this agreement without the written consent of the District shall also constiture a material breach of this agreement. In the event the District is require to file suit to collect past due charges or to remedy any other breach of this agreement, Ralph Parkinson agrees to pay the District's costs and attorney's fees. Ralph Parkinson is entitled to ten(10) days notice of any breach before suit is filed.

8. Ralph Parkinson agrees that no assignment or other transfer of this agreement may be made except as hereafter provided.

In the event Ralph Parkinson desires to assign this agreement to the Federal Land Bank as security for a farm loan, the District hereby agrees to give its written consent upon ten(10) days written notice of said assignment. In the event said assignment is consented to by the District, however, Ralph Parkinson agrees to continue to remain responsible and obligated under all the terms, covenants and conditions of this agreement.

9. This document constitutes the full agreement of the parties hereto and any amendments or changes shall be invalid unless written.

Lost River West

By Ralph S. Parkinson
(Authorized signature)

J. Boyle Jensen

THE BIG LOST RIVER IRRIGATION DISTRICT

BY _____
President

ATTEST:

Richard C Rothwell
Secretary

MICROFILMED
FEB 07 1992

STATE OF IDAHO)
) ss
County of Custer)

On this 1 day of April, 19__, before me, the undersigned a Notary Public in and for said County and State, personally appeared Ralph Jackson, President and [illegible] known to me to be the person(s) whose name(s) are subscribed to the within instrument, and acknowledged to me that they (he) executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

(SEAL)

Notary Public for the State of Idaho
Residing at Mackay, Idaho.

STATE OF IDAHO)
) ss
County of Custer)

On this 1st day of April, 1980, before me, the undersigned a Notary Public in and for said County and State, personally appeared [illegible] and Richard C. Colwell known to me to be the President and Secretary respectively, of the corporation that executed the foregoing instrument, and acknowledged to me that such Corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

(SEAL)

Notary Public for the State of Idaho
Residing at Mackay, Idaho.

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FEB 07 1992

CONSENT TO ASSIGNMENT

BIG LOST RIVER IRRIGATION DISTRICT (District) hereby consents to the assignment by Lost River West (Ralph Parkinson) (Landowner) to the Federal Land Bank of Spokane (Bank) of Landowner's rights under that certain Pumping Agreement dated 4/1, 19 80, and that certain Waterways Transport Agreement dated 4/1/1980, 19 , both of said agreements being between Landowner and District.

The District agrees that it will not terminate either of said agreements without first having advised the Bank in writing of the pending cancellation and without allowing the Bank thirty (30) days from the date of such written notice to correct any default.

Should the Bank obtain title to Landowner's land through foreclosure or deed in lieu of foreclosure, or should the Bank thereafter transfer the property to a purchaser, then the District consents to the transfer of all rights under said agreements to the Bank or the Bank's transferee, if said transferee stand in the same position, both financially and with respect to the use of the water and land as did the Landowner.

DATED this 1 day of April, 19 80.

THE BIG LOST RIVER IRRIGATION DISTRICT

BY J. Doyle Inman
President

ATTEST:

Richard L. Rothwell
Secretary

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FEB 07 1992

Affidavit of Publication

RECEIVED
AUG 13 1984
Department of Water Resources
Eastern District Office

I, Donal L. Cammack
of the Arco Advertiser, a weekly newspaper of general circulation, published weekly at Arco, Idaho, since March, 1909, do solemnly swear that a copy of this notice, per clipping attached, was published weekly in the regular and entire issue of said newspaper, and not in any supplement thereof,

for 2 consecutive weeks, commencing with

the issue dated August 2, 1984

and ending with the issue dated
August 9, 1984

Donald L. Cammack

Subscribed and sworn to before me this
9th day of August, 19 84

Estella A. Cammack
Notary Public

Residence: Arco, Idaho.
My commission expires Life, 19

NOTICE OF PROPOSED CHANGE OF WATER RIGHT

No. 34-2497

Notice is hereby given that Ralph S. Parkinson, Arco, ID, has applied to the Department of Water Resources for a change in the point of diversion of the waters of a ground water source. The right sought to be changed is evidenced by License No. 34-2497 and is recorded as follows:

Amount: 0.57 c.f.s.
Priority: September 27, 1966
Point of Diversion: SE¼NE¼, Sec. 11, T. 3N, R. 26E, B.M., Butte County
The water is used to irrigate 55 acres within the E½NE¼, NE¼SE¼, Sec. 11, T. 3N, R. 26E, B.M.

TO BE CHANGED AS FOLLOWS

The water will be diverted within the NE¼SW¼, SE¼NE¼, NE¼SE¼, Sec. 11, T 3N, R. 26E, SW¼SW¼, Sec. 34, T. 5N, R. 26E, B.M.

Any protest against approval of the above proposed change of water right must be filed with the Idaho Department of Water Resources, 150 Shoup, Suite 15, Idaho Falls, ID 83402, on or before August 20, 1984.

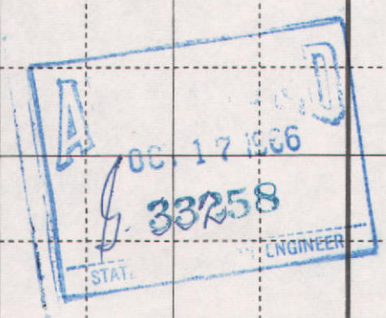
A. KENNETH DUNN
Director

Published in the Arco Advertiser, Arco, ID on August 2 and 9, 1984.

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FEB 07 1992

NAME OF APPLICANT Ralph L Parkinson

Form No. 0



~~SE ¼ of the NE ¼~~
~~Sec. 11 T. 3 N., R. 26 E.B.M.~~



R 24 E.

T 3 N

11

SE ¼ of NE ¼
Sec 11, T 3 N, R 26 EBM

well

Red shows land to be irrigated

SCALE: 2 Inches Equal 1 Mile. Draw Plan In Ink.

33258

MINUTES OF MEETING OF BIG LOST RIVER IRRIGATION DISTRICT

Minutes of meeting held by the Board of Directors of Big Lost River Irrigation District, Butte and Custer Counties of April 4, 1995 starting at 2:30 p.m.

Board Member present: Don A. Aikele, Chairman; Harry Crawford, Secty.-Treas., Lewis Rothwell and Ray Boyack. Also present: Linda Hocking, Admin. Asst.; Don Scarr, General Manager; Doug Rosenkrance, Watermaster #34; George A. Gilbert. Guests: Virgil Hall, Willard Bell, Kenny Bell, Randy Nelson and Dave Nelson.

The meeting was called to order at 2:35 p.m. by Chairman Don Aikele.

Old Business

Minutes: Ray Boyack motioned to accept the minutes for March. Seconded by Harry Crawford, all were in favor and motion carried.

30 Year Anniversary: George A. Gilbert was recognized for his 30 years of service from March 15, 1965 to March 15, 1995, with a plaque and Timex watch.

Applications for Weed Sprayers and Ditchriders: There were 20 applications received for Weed Sprayers and/or Ditchriders. Don Aikele suggested giving copies to all of the Directors for review. Monday, April 10, the Director would need to call the District with the names of the people they would like to interview. Thursday, April 13, interviews would be given to candidates on the list.

A resumé and a contract was sent to each Director and BLRID from Brent Morgan. Don Scarr explained to the Directors that in order to sign a contract, Brent Morgan would need a commercial license and be bonded and insured for weed spraying due to the new regulations from the Department of Agriculture, otherwise to protect ourselves and him, he would need to be hired as an employee.

General Attendance: The guest members asked if they needed to ask the Board any questions. Dave and Randy Nelson asked if they could get their stock water, some discussion ensued. Randy stated that they could keep an eye on the water and let the district know if there was any problems with freezing. Don Scarr stated that there was no work schedule on the Swauger and that it was clear. Harry Crawford motioned to release water for stock water if it was possible. Seconded by Ray, all were in favor and motion carried.

Disposal of Backhoe: In order to dispose the backhoe Don S. indicated that the code required three appraisals from disinterested members if the value was over $2000.00 to give bids. Ned Smith's listing on backhoe was $5000. Some members were listed and Don S. would be getting in contact with them.

Natural Flow Adjudication: IDWR issued water rights for the BLRID natural flow adjudication, although they did not mention the assessment due. Don A. suggested on letting it ride.

Health Benefits: Everything has been returned on the health benefits and the best coverage for less premium was Travelers. $570 a month was budgeted for employees. Don S. needed to know if the Directors wanted to cover family members also, discussion was ensued. Harry C. suggested covering employees only.

New Attorney: The selecting of a new attorney was tabled until the next meeting.

Ralph Parkinson: Roger Ling was asked to send an updated Water Transport Agreement. Corrections were made to the form. IDWR sent back Ralph Parkinson's transfer and change of diversion with 480 acres of class 1 acres. Harry motioned to accept the request if IDWR approved the transfer. Ray seconded it. Lew Rothwell abstained, motion carried.

New Business:

Reservoir Release: Don S. presented the monthly reservoir outflow for the April-July forecast and May-July forecast calculation worksheets and operating curve. This data and forecast information is provided by and prepared monthly with direct consultation from S.C.S. office in Boise.

There was a voice of opinion from Willard Bell that if a decision was made for an early release then the proper forum should be a public meeting with a voice and vote from the entire membership to give the Board some input and direction.

Lew's opinion was that he was opposed to continuing to store water and that some should be released.

There was discussion on whether it was premature to make a decision on an early release, based on the current level of the reservoir and the 30 year average for the monthly gain for April.

A decision was made to take more frequent reservoir readings between now and April 13th (the scheduled meeting for interviews of D.R. and Weed Sprayers), to determine if there was any excessive gains from the April average and reassess the situation at that time.

Stream Alteration Permit: We received an application from IDWR for Sam Jackson requesting a permit to alter the river. Board Directors felt that we do not need to get involved.

Bridge in River: Mark Roberts asked if the BLRID could pull out a bridge in the river on Whitey Fletcher's property. Lew stated if IDWR approved it then it was the neighborly thing to donate manpower and equipment. The landowner would need to fill out the proper paperwork. Lew motioned to donate the help. Ray seconded it, all were in favor and motion carried.

New Heading and Portable Bridge: Shane Rosenkrance wants to move his heading out of the Darlington and move it one mile down from his existing heading where he uses it and also add a pivot and a portable bridge. Don A. could see no problems with it.

Moore Water Users Assoc.: We have been sending out 32 $4.85 assessment notices for the Moore water users and Don S. wanted to know if we could send one assessment notice. Harry motioned to send one to the president and let them collect from the users. All accounts must be paid to get their water.

Exclusion - Have Decree, No Filing: Don S. asked about individuals that had decrees and did not file on it and if they could be excluded if they were to request it. Don A. suggested revising the language on the exclusion.

Marx came in at 4:30 p.m.

Check Approval: Checks numbered 9970 through 9999 and 0000 through 0039 were approved for payment at this time.

Budget Review: Report of the financial condition was presented to the Board Members, collected O&M assessments for the month of March totaled $36,985 with $28,639 in payments and $14,214 in delinquent payments.

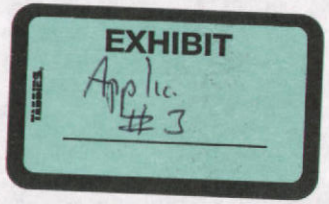
Adjournment: There being no further business to bring before the board, Lew moved to adjourn the meeting, seconded by Marx, all were in favor and the meeting was adjourned at 4:45 p.m.

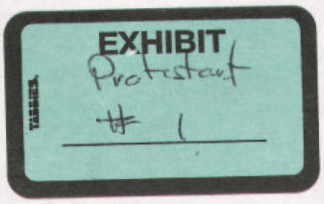
ATTEST:

Don A. Aikele
Chairman of the Board

Harry Crawford, Secty.-Treas.

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NOV 2 9 1996





MINUTES OF MEETING OF THE BOARD OF DIRECTORS
OF THE BIG LOST RIVER IRRIGATION DISTRICT,
BUTTE AND CUSTER COUNTIES, IDAHO.

- - - - - - - - - -

Mackay, Idaho

May 1st, 1935.

Pursuant to adjournment, an adjourned regular meeting of the Board of Directors of the Big Lost River Irrigation District was held at the office of the Board at Mackay, Custer County, Idaho on Wednesday, May 1, 1935 at eight o'clock P.M. The following members and officers of the Board were present:-

Roy C. Pearson,	Director and President,
Manning Sutton,	Director and Treasurer,
L.H. Evans,	Director,
George L. Ambrose,	Attorney and Secretary.

Absent, None.

President Pearson stated the purpose of the meeting to be to consider ways and means of complying with the requirement of the Oregon Short Line Railway Company that funds must be provided for the construction of a three-span railroad bridge on the O.S.L. railroad line, Mackay Branch at Mile Post 64.05 near Lost River across the East Side Canal, now under construction by co-operative agreement between the Idaho Emergency Relief Administration and the Big Lost River Irrigation District. The Secretary read the following telegram relative to this matter from Mr. E.C. Manson, Superintendent of the Oregon Short Line Railway Company, Pocatello, Idaho:-

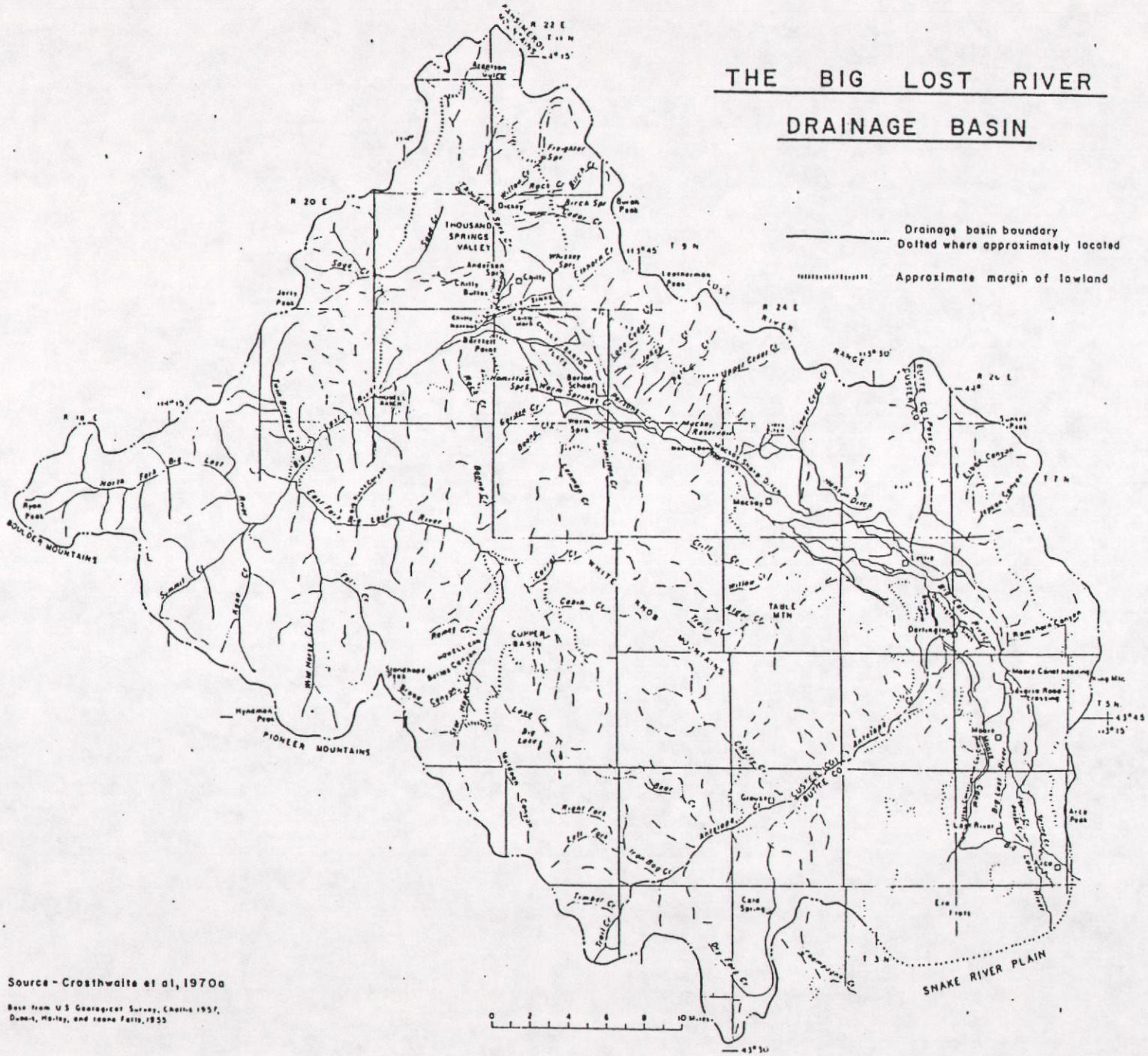
(copy of wire:-)

CaCU
Pocatello 147 1l 4-24-35 Rush)

Agt
Mackay

Advise J Ray Weber IERA Engr that estimated cost to build three span bridge Mp 64.05 near Lost River is 1930.00 this on basis applicant removing fill under bridge railroad co furnishing all other labor and material. Mr. Weber should arrange make deposit this amount and have Big Lost River District furnish written statement agreeing to sign our

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Source - Crosthwaite et al, 1970a

Base from U S Geological Survey, Challis 1957, Dubois, Hailey, and Idaho Falls, 1955

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Fig 1

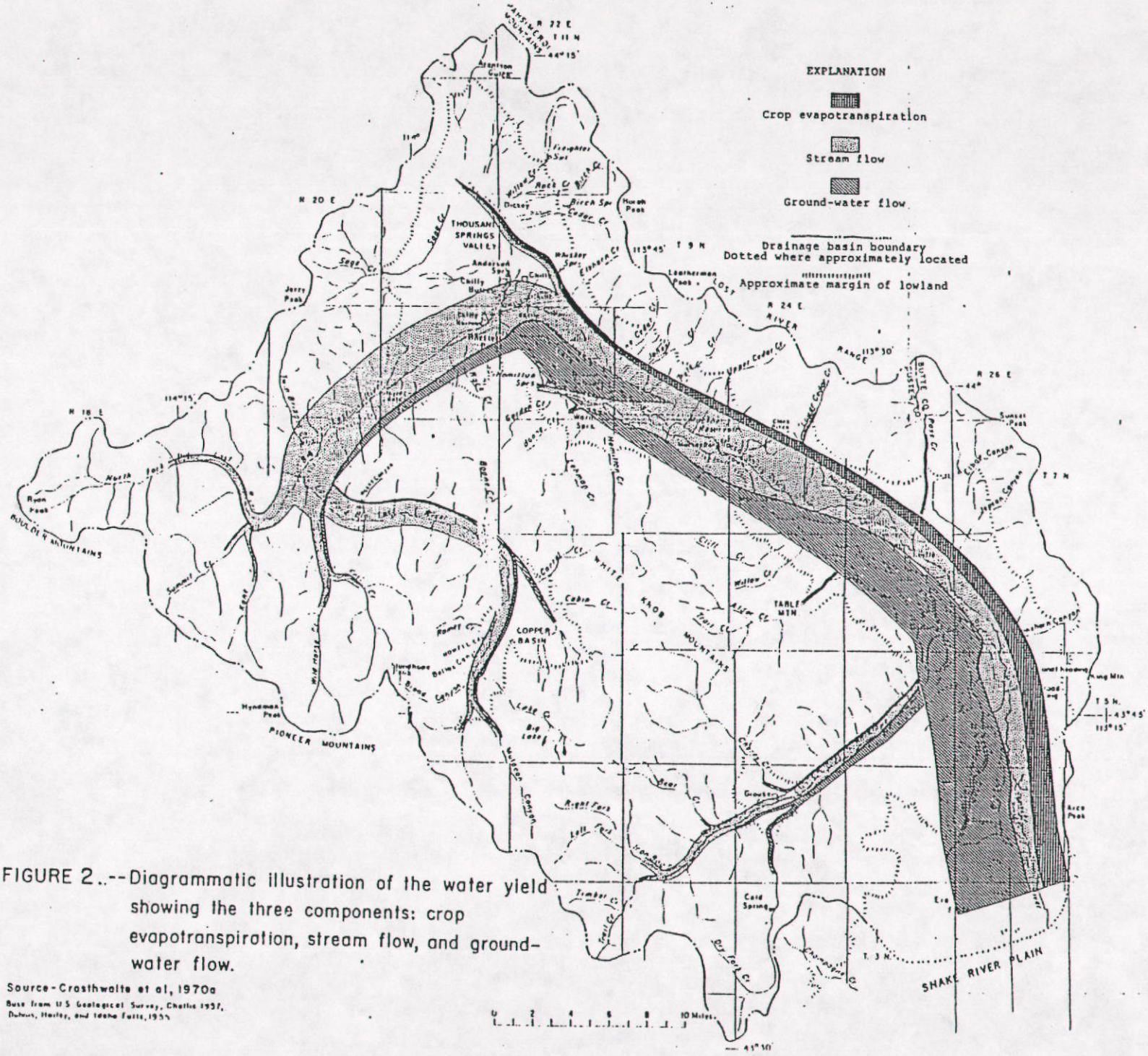


FIGURE 2.--Diagrammatic illustration of the water yield showing the three components: crop evapotranspiration, stream flow, and ground-water flow.

Source - Crosthwaite et al, 1970a

Base from U.S. Geological Survey, Challis 1957, Dubois, Hailey, and Idaho Falls, 1955

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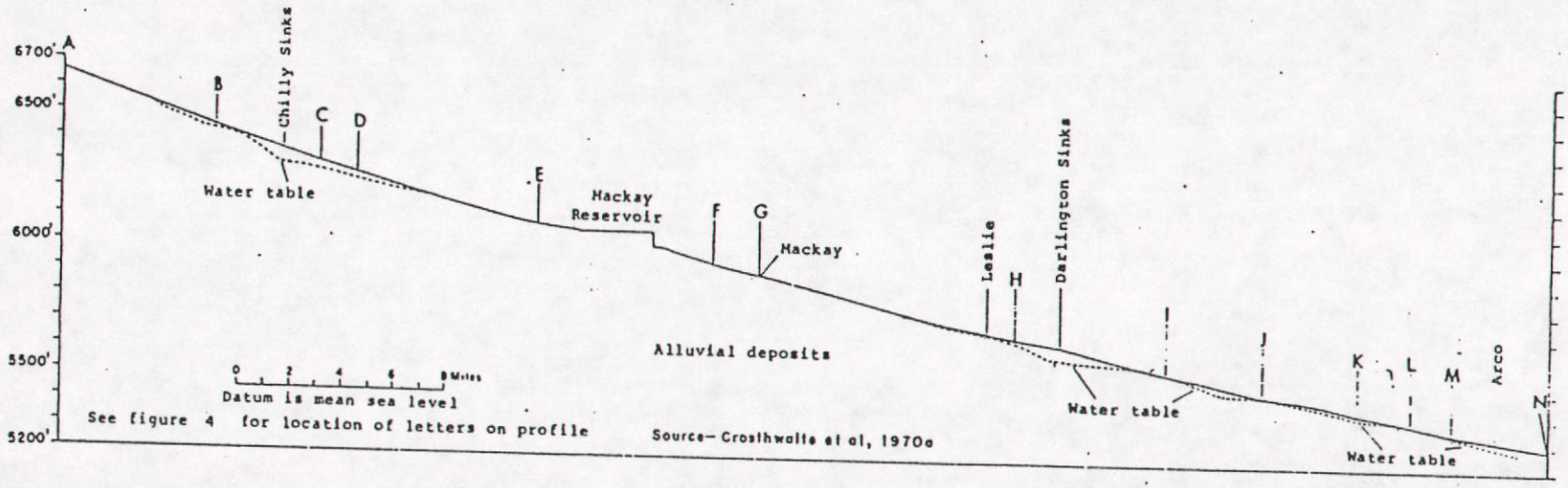
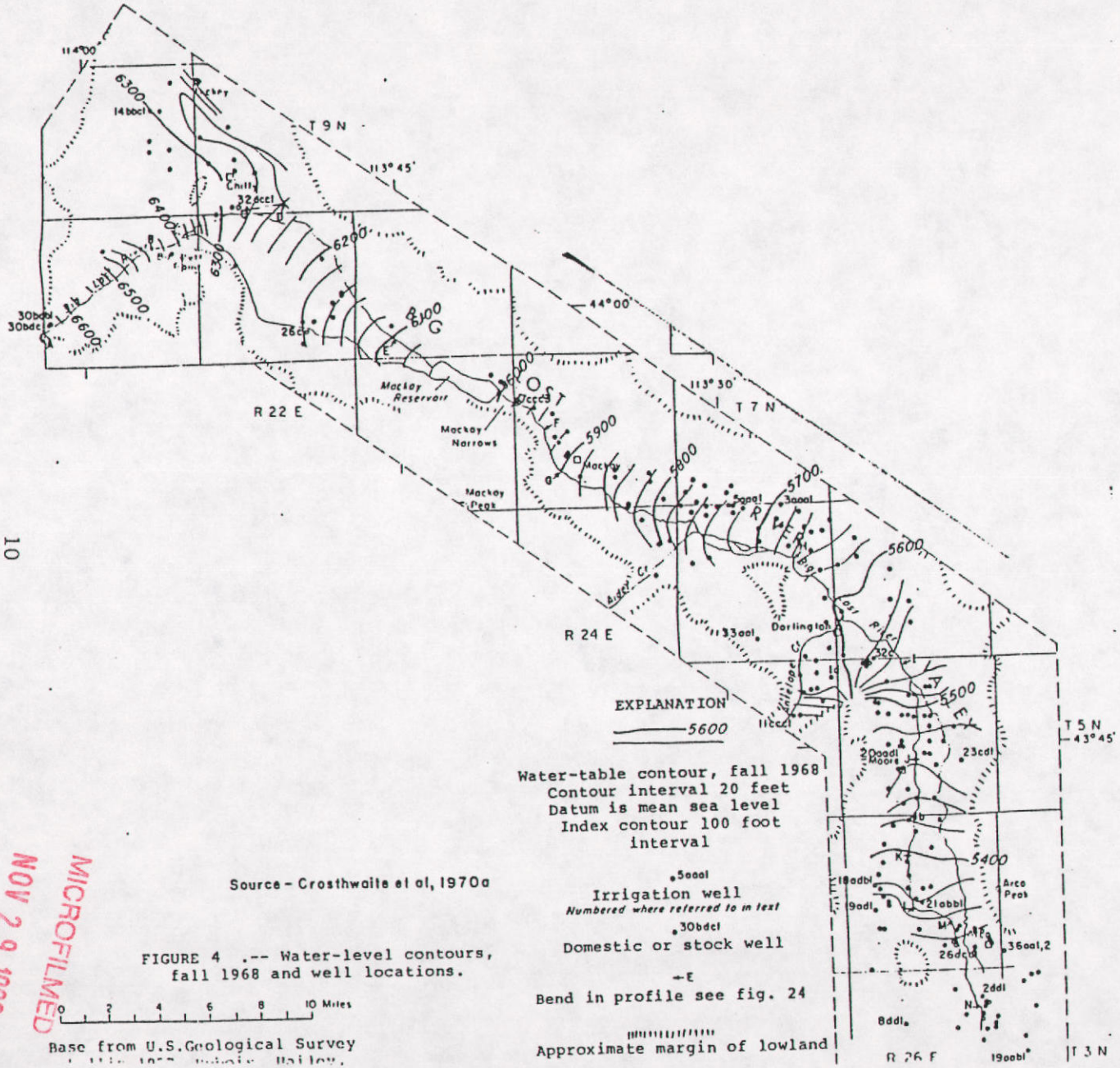


FIGURE 3---- Profile of Big Lost River showing the position of the water table.



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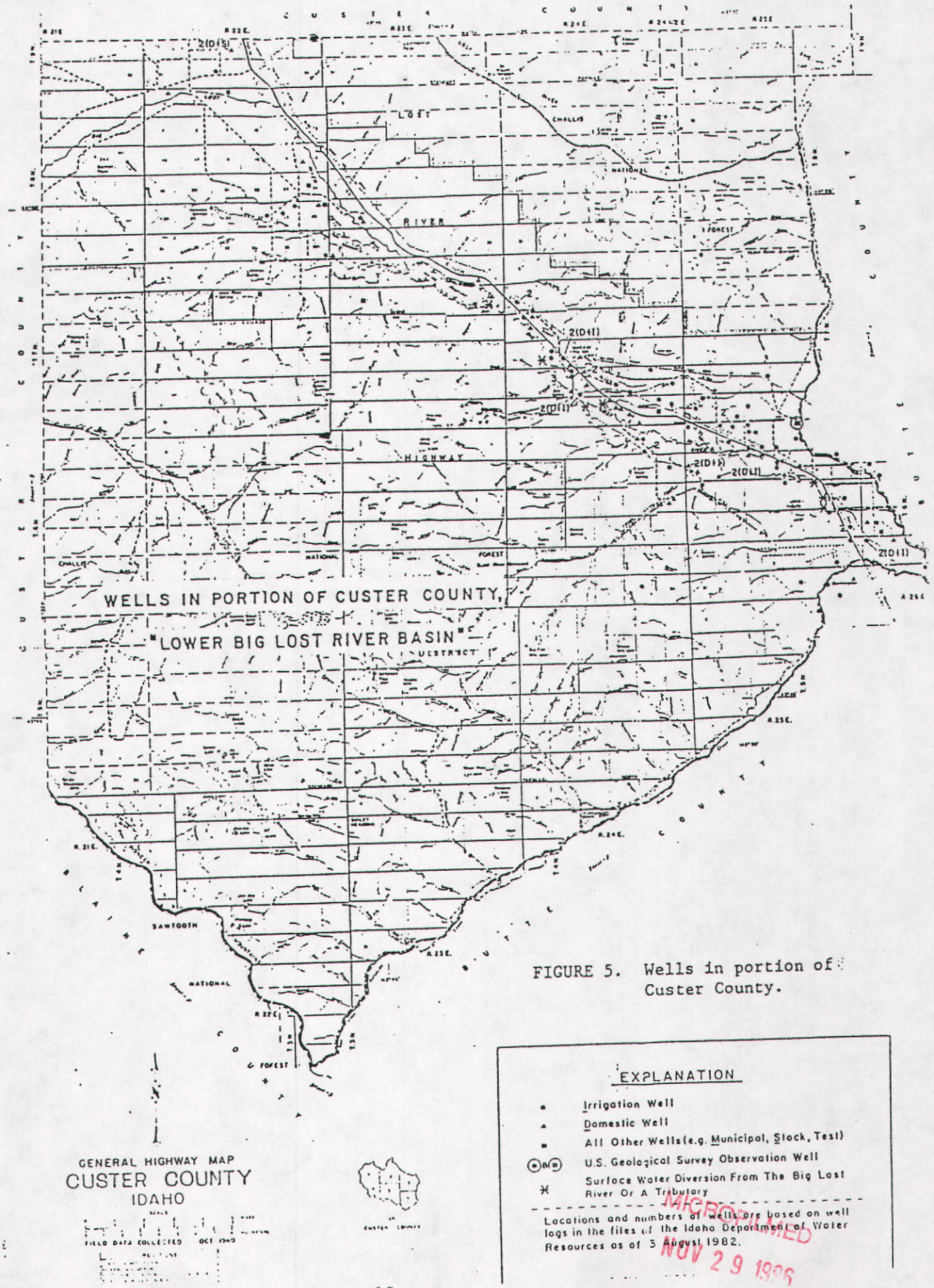


FIGURE 5. Wells in portion of Custer County.

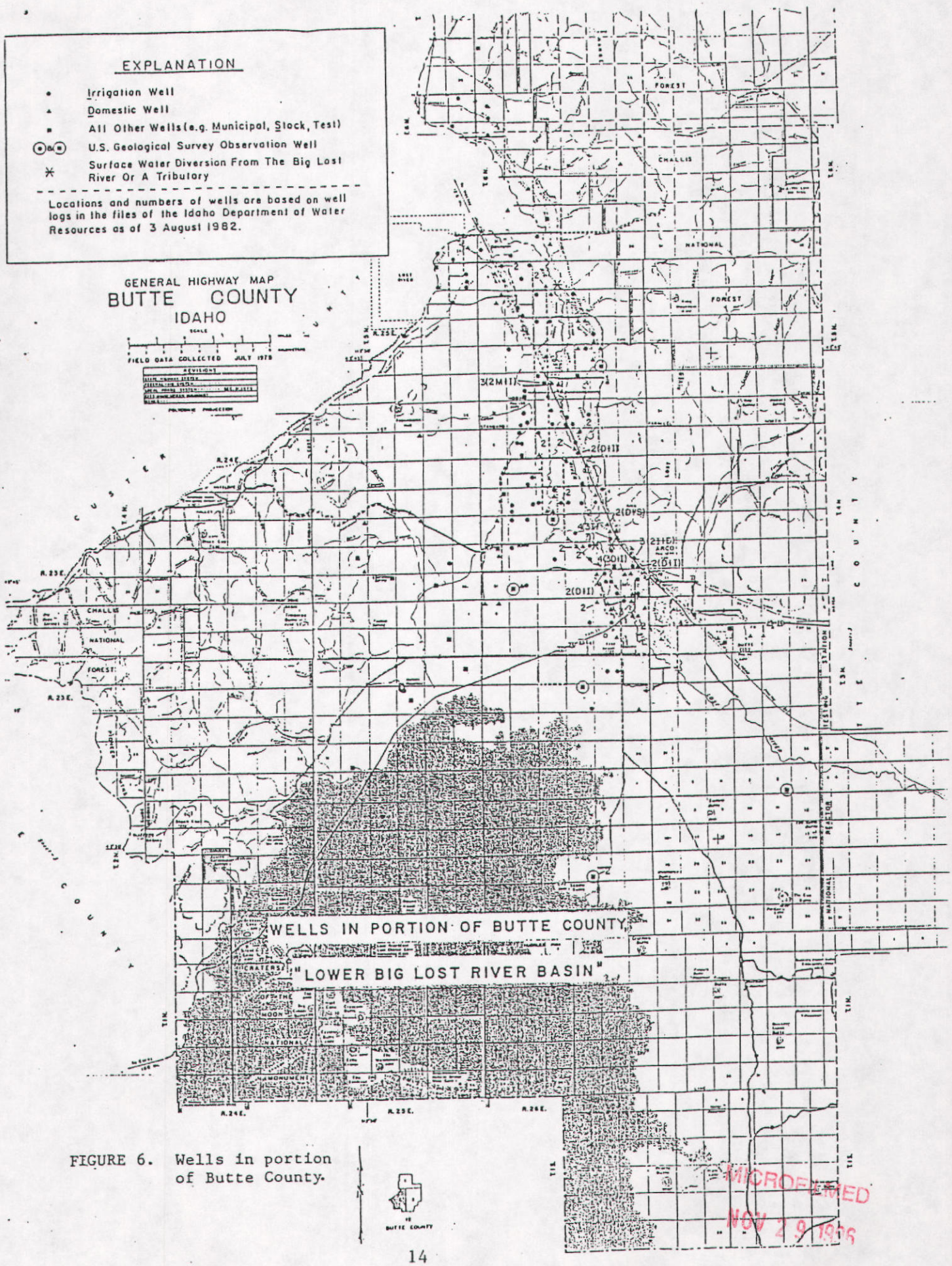


FIGURE 6. Wells in portion of Butte County.

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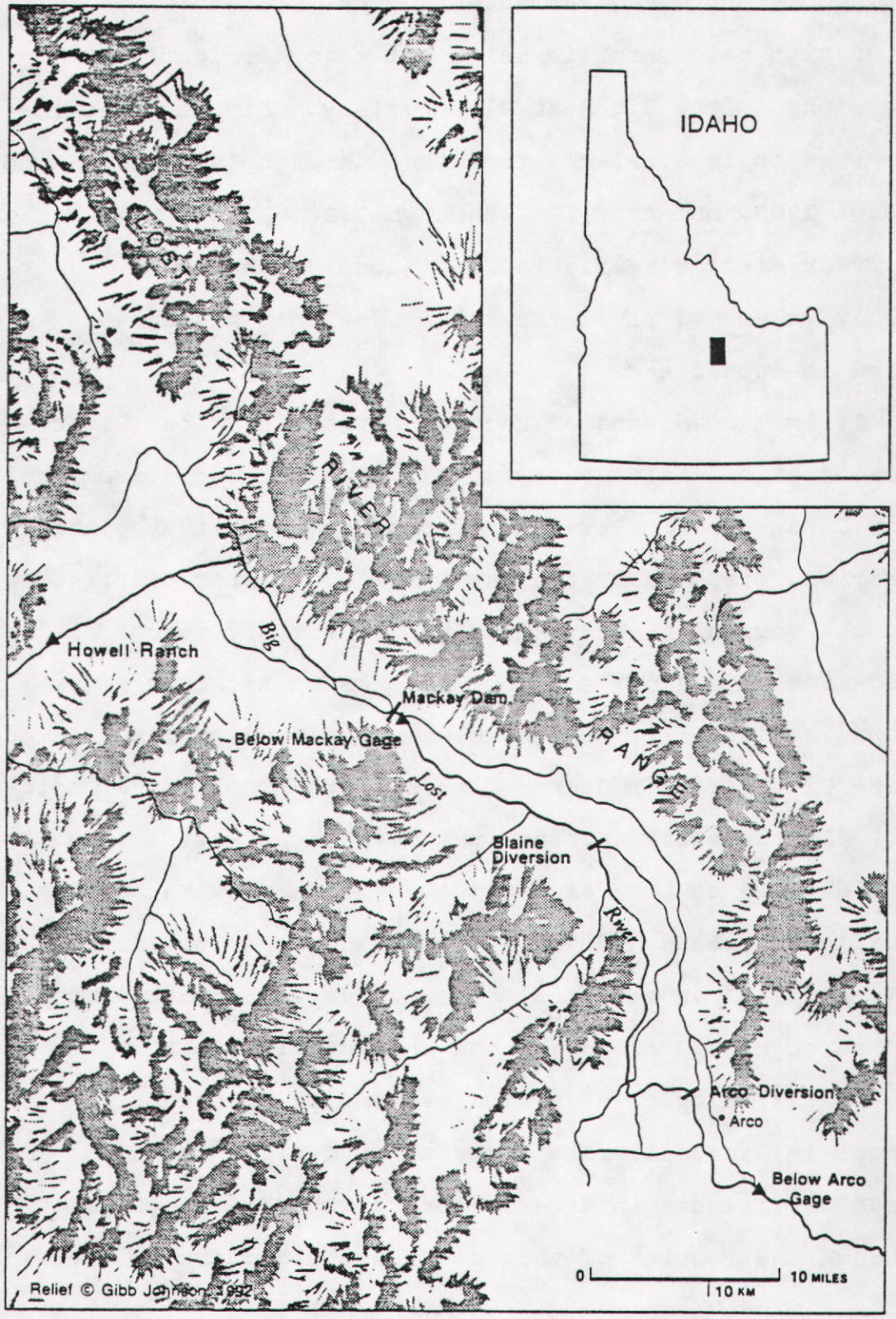


Figure 1. Map of Big Lost River Valley.

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Form 222a
6/78

Adventure in Anco Paper

3-20-95
3-21-95 -HCJ

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
TRANSFER ANALYSIS SHEET

INITIAL REVIEW BY: AWS

1. Right number 34-2497, -2506, -2505, -4008 Applicant Parkinson Farms.
2. Type of right: ~~☐ Decree ☐ License ☐ Claim~~ Directors Report of SRBA
3. Purpose of transfer: ☐ Change point of diversion ☒ Add diversion point(s) ☐ Change place of use
   ☐ Other _____
4. Check:
   a. ☑ Source ☐ Priority ☐ Amount ☐ Purpose ☐ Period of use
   b. ☑ Description of original point of diversion.
   c. ☑ Description of original place of use.
5. Amount of land &/or water transferred:
   a. ☐ All of right.
   b. ☐ Part of right *(NOTE! Part B should be filled in only if part of the right is owned by the applicant).*
   c. ☑ Check description of point(s) of diversion.
   d. ☑ Check description of place of use. Is place of use changing?
   e. ☑ Check map (shows p.d. and p.u. after transfer).
   f. ☐ Check for correct signature, notarization, and fee.
   g. ☑ Check proof of ownership of right &/or land from which water is transferred.
   h. ☑ Check for expansion in use of right. Comments _____

film exhibits pkg. here

   i. ☐ Check for existing water rights from same source, on land water is being transferred to.
      Right number(s) NA
   j. ☑ Is use within a Watermaster District? ☑ Yes ☐ No Send copy to Big Lost Irrig. District c/o Don Skarr, also.
      If yes, what district? WD#34
      Need Carrying Agreement From Big Lost River Irrig. District

FINAL PROCESSING REVIEW BY: _____

1. Watermaster recommendation requested on 3-28-95 Received on _____
2. Is transfer published correctly? ☑ Yes ☐ No NOP 4-24-95
3. Protest received? ☑ Yes ☐ No

RECOMMENDED ACTION

1. ☐ Approve
2. ☐ Deny
3. Conditions* _____

Denied by Final Order dated 5-30-96. Database Updated 11-22-96 CB

4. By _____ Date _____

AD S.O. 8-27-95
Copy App S.O. 4-27-95

** All uses within Watermaster Districts require special conditions.*

AFFIDAVIT OF PUBLICATION

I, Colleen Babcock of the Arco Advertiser, a weekly newspaper of general circulation, published weekly at Arco, Idaho, since March, 1909, do solemnly swear that a copy of this notice, per clipping attached, was published weekly in the regular and entire issue of said newspaper, and not in any supplement thereof,

for 2 consecutive weeks, commencing with the issue dated April 6, 1995

and ending with the issue dated April 13, 1995

Colleen Babcock

STATE OF IDAHO }
COUNTY OF BUTTE }

On this 13th day of April in the year of 1995, before me, a Notary Public, personally appeared Colleen Babcock known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same.

Thomas D. Cannon

Notary Public for Idaho

Residing at Arco, Id

My commission expires: 12-30-97

NOTICE OF PROPOSED CHANGE OF A WATER RIGHT

NO. 4573

Notice is hereby given that Parkinson Farms, C?O Ralph S. Parkinson, Rt 1 Box 228, Arco, ID 83213, has applied to the Department of Water Resources to add a point of diversion of the waters of a groundwater source. The rights sought to be changed are evidenced by the Snake River Basin Adjudication Directors Report and recorded as follows:

Right No.: 34-02497 Source: Groundwater
Amount: .57 cfs Priority: 09/27/1966
Point(s) of Diversion: NWNESW, NENESE Sec 11, T03N, R26E, Butte County
The water is used for irrigation from 04/15 to 10/15 within the E½SE, S10, T03N, R26E, NENE, S½NE, S½NW, S½, S11, T03N, R26E, B.M.

Right No.: 34-02505 Source: Groundwater
Amount: 1.06 cfs Priority: 03/03/1967
Point(s) of Diversion: NWNESW, NENESE, Sec 11, T03N, R26E, Butte County
The water is used for irrigation from 04/15 to 10/15 within the E½SE, S10, T03N, R26E, NENE, S½NE, S½NW, S½, S11, T03N, R26E, B.M.

Right No.: 34-02506 Source: Groundwater
Amount: 1.17 cfs Priority: 03/02/1967
Point(s) of Diversion: NWNESE, NENESE, Sec 11, T03N, R26E, Butte County
The water is used for irrigation from 04/15 to 10/15 within the E½SE, S10, T03N, R26E, NENE, S½NE, S½NE, S½NW, S½, S11, T03N, R26E, B.M.

Right No.: 34-04008 Source: Groundwater
Amount: 2.6 cfs Priority: 04/01/1967
Point(s) of Diversion: NWNESW, NENESE, Sec 11, T03N, R26E, Butte County
The water is used for irrigation from 04/15 to 10/15 within the E½SE, S10, T03N, R26E, NENE, S½NE, S½NW, S½, S11, T03N, R26E, B.M.

TO BE CHANGED AS FOLLOWS:

Only 5.32 cfs will be diverted from the SENE, NESW, NESE, SEC 11 T03NM, R26E; SESW, SEC 34, T05N, R26E, (NEW WELL), Butte County. The change reflected above constitutes adding one new well to the system.

Any protests against approval of the proposed change must be filed with the Idaho Department of Water Resources, 900 N. Skyline Dr., Idaho Falls, ID 83402, together with a protest fee of $25 on or before April 24, 1995. The protestant must also send a copy of the protest to the applicant.

R. Keith Higginson
Director

Published in The Arco Advertiser on April 6 & 13, 1995.

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NOV 29 1996

NOTICE OF PROPOSED CHANGE OF WATER RIGHT

No. 34-2497

Notice is hereby given that Ralph S. Parkinson, Arco, ID, has applied to the Department of Water Resources for a change in the point of diversion of the waters of a ground water source. The right sought to be changed is evidenced by License No. 34-2497 and is recorded as follows:

Amount: 0.57 c.f.s. Priority: September 27, 1966

Point of Diversion: SE¼NE¼, Sec. 11, T. 3N, R. 26E, B.M., Butte County

The water is used to irrigate 55 acres within the E½NE¼, NE¼SE¼, Sec. 11, T. 3N, R. 26E, B.M.

TO BE CHANGED AS FOLLOWS

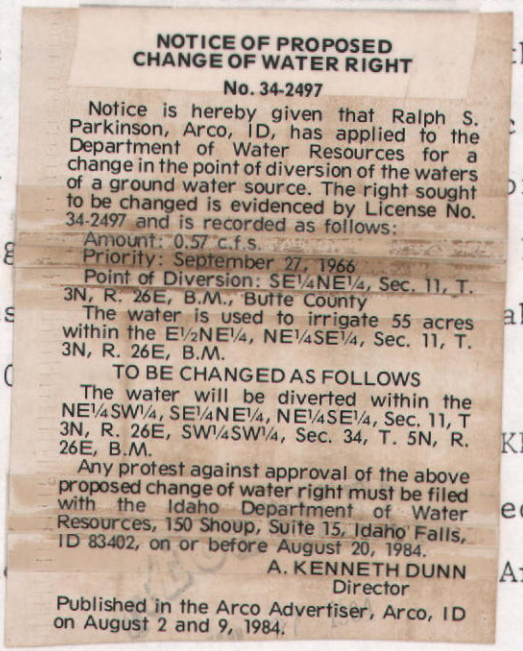
The hin the NE¼SW¼, SE¼NE¼, NE¼SE¼, Sec. 11, . 34, T. 5N, R. 26E, B.M.

Any f the above proposed change of water rig Idaho Department of Water Resources aho Falls, ID, 83402, on or before August 20

KENNETH DUNN

ector

Publishe Arco, ID, on August 2 and 9, 1984.



NOTICE OF PROPOSED CHANGE OF WATER RIGHT

No. 34-2497

Notice is hereby given that Ralph S. Parkinson, Arco, ID, has applied to the Department of Water Resources for a change in the point of diversion of the waters of a ground water source. The right sought to be changed is evidenced by License No. 34-2497 and is recorded as follows:

Amount: 0.57 c.f.s.

Priority: September 27, 1966

Point of Diversion: SE¼NE¼, Sec. 11, T. 3N, R. 26E, B.M., Butte County

The water is used to irrigate 55 acres within the E½NE¼, NE¼SE¼, Sec. 11, T. 3N, R. 26E, B.M.

TO BE CHANGED AS FOLLOWS

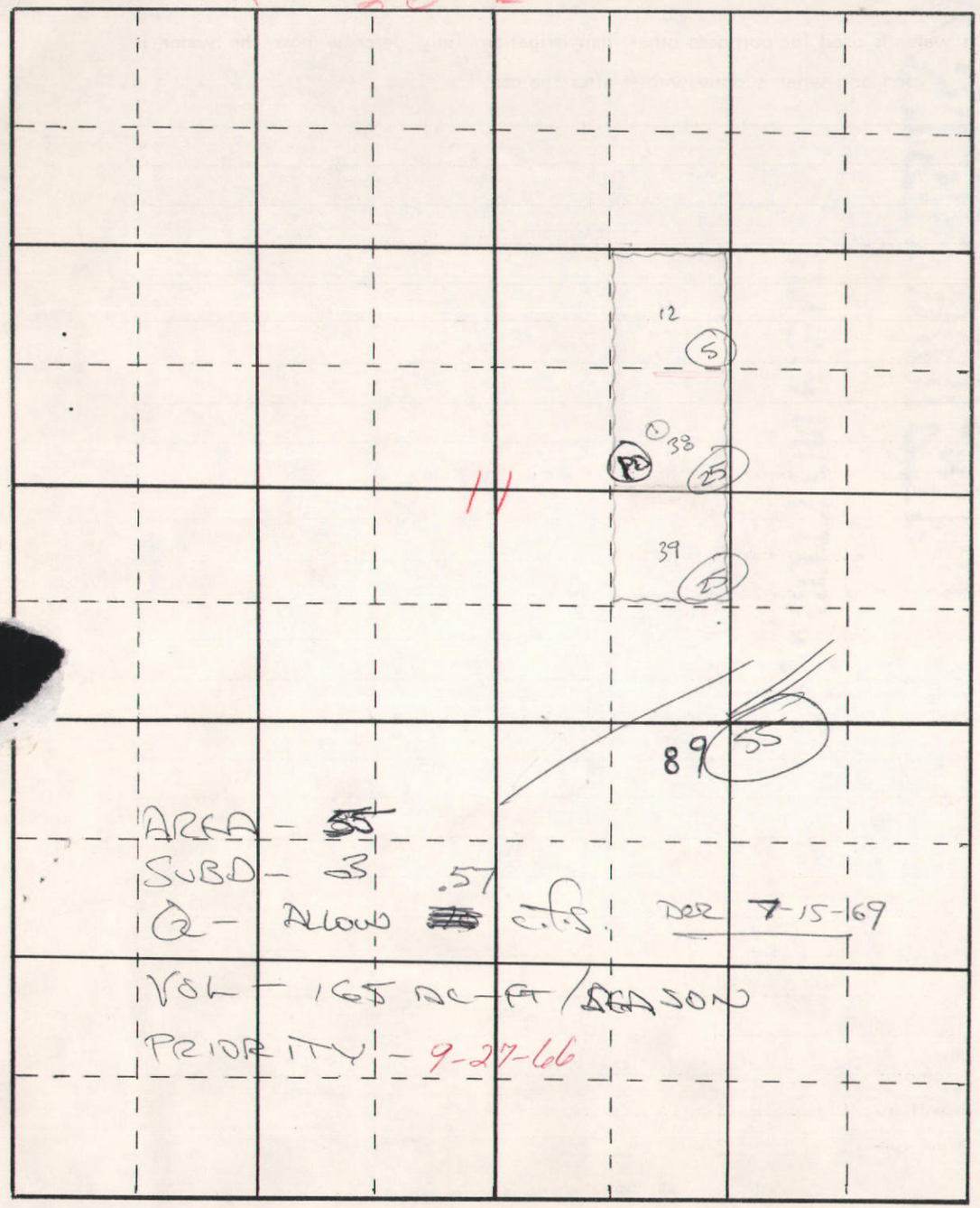
The water will be diverted within the NE¼SW¼, SE¼NE¼, NE¼SE¼, Sec. 11, T 3N, R. 26E, SW¼SW¼, Sec. 34, T. 5N, R. 26E, B.M.

Any protest against approval of the above proposed change of water right must be filed with the Idaho Department of Water Resources, 150 Shoup, Suite 15, Idaho Falls, ID 83402, on or before August 20, 1984.

A. KENNETH DUNN
Director

Published in the Arco Advertiser, Arco, ID on August 2 and 9, 1984.

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Permit No. G-33258 34- (G33504 & G33505) 527 3161

3W-194/ 3W-192

Name of Applicant Ralph S. Parkinson, Route 1, Box 64, Arco, Idaho

Source of Water Subterranean

a tributary of

Location of P.D. SE¼NE¼, Sec. 11, T. 3 N, R. 26 E, B.M., Butte Co.

Water is used for Irrigation

Quantity of water claimed: Permit 0.9 c.f.s. Depositions 0.9 c.f.s.

Type of measuring device installed or method of measurement and general description of diversion works well, pump, motor, sprinkler system

90'x16"/H-35'/Q-? (65-10/64-40#)

Land to be irrigated or place of use:

TWP.	RGE.	SEC.	Description
3 N	26 E	11	E½NE¼, NE¼SE¼

Total acreage 55

Filed - September 27, 1966 Made - March 4, 1968
Due - October 17, 1971 Priority - September 27, 1966

Other rights and acreage covered: (Indicate amounts, source, licensed or decreed, and acreage covered by subdivision; also show land covered on the map.

None

33258

Affidavit of Publication

I, Elizabeth L. Brammer, of the Arco Advertiser, a weekly newspaper of general circulation, published weekly at Arco, Idaho, since March, 1909, do solemnly swear that a copy of this notice, per clipping attached, was published weekly in the regular and entire issue of said newspaper, and not in any supplement thereof,

for four (4) consecutive weeks, commencing

with the issue dated February 1, 1968

and ending with the issue dated Feb. 22, 1968

Elizabeth L Brammer

Subscribed and sworn to before me this

21 day of Feb., 1968

Betty J. Mayo

Notary Public.

Residence: Arco, Idaho.

My commission expires 2-4, 1969

RECEIVED

MAR 5 1968

Department of Reclamation

PUBLIC NOTICE

NOTICE OF PROOF OF COMPLETION OF WORKS AND APPLICATION OF WATER TO BENEFICIAL USE

Notice is hereby given that on March 4, 1968, at Arco, County of Butte, State of Idaho, before notary public Charles A. Jones, Arco, Idaho, proof will be submitted of the completion of works for the diversion of 0.9 c.f.s. of the waters of a subterranean source, and the application to beneficial use of said water, in accordance with the terms and conditions of permit G-33258, heretofore issued by the Department of Reclamation of the State of Idaho.

1. The name and address of permit holder is Ralph S. Parkinson, Route 1, Box 64, Arco, Idaho.

2. Said works of diversion will be fully completed on the date for such completion, and the amount of water which said works are capable of conveying to the place of use is 0.9 cubic feet per second.

3. The use to which said water has been applied is irrigation purposes, and the amount applied to beneficial use is 0.9 c.f.s.

4. The point of diversion of said water is SE¼NE¼, Sec. 11, T. 3 N, R. 26 E, B.M., Butte County.

5. The place where said water is used is E½NE¼, NE¼SE¼, Sec. 11, T. 3 N, R. 26 E, B.M.

6. The date of priority which said user is prepared to establish is September 27, 1966.

R. KEITH HIGGINSON
State Reclamation Engineer.

Pub. 2-1,8,15,22,1968

56

33258

24.94

✓ G- 33258
KO

34-3411

APPLICATION FOR PERMIT

To Appropriate the Subterranean Waters of The State of Idaho

Application No. G- 41481
Permit No. G- 33258
District No.

1. Name of Applicant: Ralph S. Parkinson

   Postoffice address: Arco County: Butte State: Idaho

2. Quantity of water claimed:

   (a) Rate of withdrawal in cubic feet per second .9 c.f.s. or Idaho Miners' inches 45 or gallons per minute

   (b) *Annual withdrawal in acre feet per annum*

3 Source of water supply: Subterranean

4. Location of point of diversion or well is in the SE ¼ of the NE ¼ of Section 11

   Twp. 3 N , Rge. 26 E , B.M., County of Butte

5. Water is to be used for: irrigation

6 If for municipal, industrial or recreational purposes, give:

   (a) Point of use of water is in the ¼ of the ¼ of Section , Twp.

   Rge. , B. M.

   (b) Waste water or sewage effluent is to be returned to

   at a point in the ¼ of the ¼ of Section , Twp , Rge. , B M

7. Kind of works: 30 HP Electric pump

8 Estimated cost of works: $ 3,000.00

9 (a) Is reservoir to be used? no reservoir

   (b) Capacity of reservoir: - -

10 The time required for the completion of such work and complete application of the water to the proposed use is years. 5

11 If applicant is a corporation, give:

   I. (a) Date and place of incorporation:

   (b) Amount of capital stock: $ (c) Amount paid in: $

   (d) Names and addresses of directors:

   II. The financial resources of the applicant are (a) Cash on hand: $

   (b) Treasury stock: (c) Bonds to be issued:

   (d) Other resources:

12 The land to be irrigated is described in the following tabulation:

13 Existing water rights and/or valid permits appurtenant to the lands to be irrigated are: none

(a) (cubic feet per second, inches or gallons per minute) of the water herein applied for is to be supplemental to the existing water rights.

(b) (cubic feet per second, inches or gallons per minute) is for new lands.

Remarks:

BE IT KNOWN THAT The undersigned hereby makes appli cation for permit to appropriate the public waters of the State of Idaho as herein set forth.

/s/ RALPH S. PARKINSON *Applicant.*

By *Agent.*

Date of first receipt at Department of Reclamation: September 27, 1966 2:40 P.M.

Returned to applicant for correction:

Corrected application received: October 10, 1966 3:00 P.M.

Approval of State Reclamation Engineer

The number of this permit is G— 33258

Recorded in Book 116 Page 33258 Approved October 17, 1966

This is to certify that I have examined the within application for a permit to appropriate the public waters of the State of Idaho, and hereby approve the same, subject to the following limitations and conditions

Bond in the sum of $ to be filed on or before

Work to begin on or before and to continue deligently and uninterruptedly to completion, unless temporarily interrupted by circumstances over which the permit holder has no control

One-fifth of the work above specified to be completed on or before April 17, 1969

The whole of said work to be completed and beneficial use of water appropriated in accordance herewith, to be made and proofs offered on or before October 17, 1971

Witness my hand this 17th day of October, 1966.

/s/ R. KEITH HIGGINSON
STATE RECLAMATION ENGINEER

IN TESTIMONY WHEREOF, We, ROBERT E. SMYLIE, Governor of the State of Idaho, and LOUIS E. CLAPP, Secretary of State of the State of Idaho, have caused this instrument to be executed in the name of the State of Idaho, and caused the Great Seal of the State of Idaho to be hereunto affixed, this 17th day of October, 1966

Countersigned

(SEAL)

By /s/ LOUIS E. CLAPP
Secretary of State

STATE OF IDAHO

By /s/ ROBERT E. SMYLIE
Governor

12.

Twp.	Range	Sec.	NE¼				NW¼				SW¼				SE¼				Totals
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
3 N	26 E	11	5			25									25				55

LICENSE ISSUED FOR 0.67 SEC. FT.
LICENSE PAG. NO. _____

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR TRANSFER NO. 4573 (WATER RIGHT NOS. 34-02497, 34-02506, 34-02505, & 34-04008) IN THE NAME OF PARKINSON FARMS	**FINAL ORDER**

Parkinson Farms (Parkinsons), a partnership, filed application for transfer no. 4573 with the Department of Water Resources (Department) seeking a new point of diversion in addition to three existing wells described by water right nos. 34-02497, 34-02506, 34-02505, and 34-04008. The three existing wells are located at the place of use described by the water rights. Parkinsons propose to drill another well approximately eight miles north of the place of use and divert water from the new well into canal systems owned and operated by the Big Lost Irrigation District for delivery to the place of use.

The application for transfer was protested by the Big Lost River Water Users Association (Association) and signed by Lawrence Babcock, Chairman of the Association. In addition, the protest was signed by 16 other individuals with addresses located in the Big Lost River Valley.

A hearing was conducted on November 1, 1995 regarding the protests. A recommended order was issued by the Department on December 13, 1995. No exceptions to the recommended order were filed. The following Findings of Fact, Conclusions of Law, and Order adopt the recommended order with some minor corrections.

FINDINGS OF FACT

1. The Director's adjudication report for basin 34 describes the points of diversion and place of use for water right nos. 34-02497, 34-02506, 34-02505 and 34-04008 as follows:

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POINTS OF DIVERSION

T03N R26E S11	NWNESW
	NENESE (two wells)

PLACE OF USE

Location		Acres
T03N R26E S10	NESE	20
	SESE	37
S11	NENE	7
	SWNE	34
	SENE	37
	SWNW	7
	SENW	21
	NESW	40
	NWSW	40
	SWSW	40
	SESW	40
	NESE	38
	NWSE	40
	SWSE	40
	SESE	39
	TOTAL	480

The Director's Report states that not more than 472 acres may be irrigated by all the rights in combination in one year. It also limits the place of use for each of the water rights as follows: 34-02497, 55 acres; 34-02506, 114 acres; 34-02505, 103 acres; 34-04008, 200 acres.

2. The Director's Report also limits withdrawals for each of the water rights as follows: 34-02497, 0.57 cfs; 34-02506, 1.17 cfs; 34-02505, 1.06 cfs; 34-04008, 2.60 cfs. The total diversion rate for all four water rights is limited to 5.32 cfs.

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3. The place of use described by the four water rights is also described in the Director's Report as a portion of the place of use for water right no. 34-07145, which authorizes diversion from the Big Lost River. During recent drought years, flows in the Big Lost River have not been sufficient to supply adequate surface water for the place of use.

4. The place of use described by the four water rights is also described in the Director's Report as a portion of the place of use for water right nos. 34-07176 and 34-12368, which in combination authorize or claim to authorize diversion of 7.8 cfs from a well located in the NESWSW, S34, T5N, R26E. The existing well is located within one-half mile of the well site proposed by Parkinsons' application for transfer. Water right nos. 34-07176 and 34-12368 were not described by Parkinsons' application for transfer, and no evidence regarding water right nos. 34-07176 and 34-12368 was presented at the hearing.

5. The three wells described by the four water rights listed in Finding of Fact No. 1 (referred to hereafter as the old wells) presently produce the following approximate quantities of water from the following approximate depths.

Location		Depth	Production
T03N, R26E S11	NWNESW	225 ft (deep well)	1.2 cfs
	NENESE	90 ft (shallow well)	0.8 cfs
	NENESE	90 ft (shallow well)	0.8 cfs

6. Prior to the beginning of the drought in 1987, the old deep well produced approximately 2.6 cfs of water. The two old shallow wells each produced 0.8 cfs, or 1.6 cfs cumulatively. The decline of well production since the drought has resulted in a diversion reduction of 1.4 cfs from the old deep well. Production from the two old shallow wells has not diminished.

7. Parkinsons deepened the old deep well by approximately 30 feet to a depth of approximately 250 feet, cased the well to the bottom, and lowered the pump intake to the bottom of the well. Parkinsons attempted to screen fine material from entering into the pump intake. When Parkinsons tried to pump water, the bottom 25-30 feet of the well filled with sand. Parkinsons raised the pump intake to an elevation approximately three feet below its original depth of approximately 220-225 feet.

8. Parkinsons filed application for transfer no. 4573 because they cannot pump sufficient water from the three old wells to irrigate their crops.

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9. Parkinsons proposes to drill a new well in the SESW, S34, T5N, R26E, B.M. The proposed well site is located approximately eight to ten miles north and hydrologically upstream from Parkinsons' place of use and the old wells.

10. If this application for transfer is approved, water pumped from the new well will be injected into the Island Ditch, will flow into the East Ditch, and will discharge into the Big Lost River. The water will be re-diverted at the Arco diversion, and will be delivered through the Munsee Ditch to the place of use.

11. The ground water in the vicinity of the proposed point of diversion is near the ground surface during normal water years.

12. A large number of irrigation wells have already been drilled in close proximity to the proposed well site. Department records show 19 irrigation wells located within a one-mile radius of the proposed well site and 43 irrigation wells located within a two-mile radius of the proposed well site. Many of the irrigation wells discharge into ditches which deliver water to the south and west of the proposed point of diversion location (locally known as the Era Flat).

13. Ground water migrating down-gradient to the south and west of the proposed point of diversion generally becomes deeper and less accessible. The water supply at the proposed point of diversion is more reliable than the water supply at the old points of diversion, and the water can be pumped more economically.

14. The applicants propose to divert all the water authorized by their water rights from the new proposed point of diversion.

15. Glen Guthrie, a well driller who resides in the Big Lost River area, has drilled replacement wells since the drought began in 1987. Many of these replacement wells were drilled for water users who could no longer pump from their wells because ground water levels declined below the bottom elevation of the original wells.

16. Multiple witnesses testified that when irrigation pumps located in the vicinity of the proposed well site turn on, water levels in their domestic wells drop significantly. In addition, ground water levels have generally declined in the last decade. Some of the witnesses testified they were forced to redrill their domestic wells because of the combination of declining ground water levels and local interference.

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17. Ground water in the vicinity of the proposed well site is tributary to the Big Lost River. Consumptive use of ground water in the Moore area and upstream of Moore reduce flows in the Big Lost River. The shortage of water in the Big Lost River Basin has been aggravated by several years of drought. The Big Lost River has dried up below the Moore diversion and return flows from ground water have not replenished the stream. Water rights normally satisfied in the lower portions of the Big Lost River have not been delivered.

18. The Department has determined that wells located in the vicinity of the proposed well site and wells located in the vicinity of the old wells divert water tributary to the Big Lost River. The old wells are located in the south boundary line of tributary ground water, however, and withdrawals from a well at the location of the old wells will not impact river flows as significantly as withdrawals from a well located at the proposed well site.

19. Surface water delivered through canals owned by the Big Lost Irrigation District are assessed a reduction (shrink) for water loss in delivering water from the point of diversion to the place of use. A reduction percentage is calculated for each delivery canal. Depending on the length of the canal, and the characteristics of the soil through which the canal is constructed, these losses can be as high as 50 to 70 percent.

20. A reduction is also assessed against water diverted from wells and injected into canals for delivery. The proposed diversion and delivery by Parkinsons would be assessed a reduction for the canals through which the water is delivered. Witnesses testified that the reduction would probably be in the range of 50 to 60 percent.

21. Most of the losses in the canal are due to percolation, although some evaporation also occurs. Percolating water adds to the ground water and may be diverted by other ground water users, flow underground out of the Big Lost River Basin, or resurface in the Big Lost River.

22. No evidence was presented to show where or how much of the water percolating from the delivery ditches would recharge ground water or surface water use or the timing of return flows resulting from percolation recharge.

23. The issues of injury to surface water users caused by a reduction in flows to the Big Lost River and injury to ground water users caused by ground water withdrawals at

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the location of the proposed point of diversion were not addressed by Parkinsons. No plan of mitigation was offered by Parkinsons.

24. Witnesses testified that maintenance of stream flows in the Big Lost River and tributary streams is in the public interest.

CONCLUSIONS OF LAW

1. Idaho Code § 42-222 sets forth the criteria that the Department can consider in determining whether an application for transfer should be approved:

> The director of the department of water resources shall examine all of the evidence and available information and shall approve the change in whole, or in part, or upon conditions, provided no other water rights are injured thereby, the change does not constitute an enlargement in use of the original right, and the change is consistent with the conservation of water resources within the state of Idaho, and is in the local public interest as defined in Section 42-203A(5), Idaho Code; . . ..

2. The applicant carries the burden of coming forward with evidence that his proposed transfer will not result in an enlargement in use, will not injure other water rights and is consistent with conservation of water resources.

3. All parties carry the burden of coming forward with the evidence regarding matters of local public interest, but the applicant bears the burden to show that his proposal is in the local public interest or that public interests which favor the proposal are of greater worth than the public interests with which it conflicts.

4. The Association established that water users near the proposed point of diversion would be injured by the withdrawals from the proposed well.

5. The Association established that further depletions of water in the Moore area would affect stream flows in the Big Lost River and would lower or reduce available ground water down gradient of the proposed well.

6. Parkinsons did not satisfy their burden of proof regarding issues of injury, enlargement, or local public interest.

7. The Department should deny application for transfer no. 4573.

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MAY 29 1996

ORDER

IT IS HEREBY ORDERED that application for transfer no. 4573, in the name of Parkinson Farms is DENIED.

Dated this 30th day of May, 1996.

Karl J. Dreher
DIRECTOR

CERTIFICATE OF MAILING

I do hereby certify that on this 31st day of May, 1996, I mailed a true and correct copy, postage prepaid, of the foregoing FINAL ORDER to the following:

Ralph S. Parkinson
Parkinson Farms
Rt 1, Box 228
Arco, D 83213

Lawrence R. Babcock, Chairman
Big Lost River Water Users Association
Box 66
Moore, ID 83255

Pete Ampe
Attorney at Law
249 3 Avenue West
Twin Falls, ID 83303

Julie L. Yarbrough
Senior Secretary

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NOV 29 1996

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR TRANSFER NO. 4573 (WATER RIGHT NOS. 34-02497, 34-02506, 34-02505, & 34-04008) IN THE NAME OF PARKINSON FARMS	RECOMMENDED ORDER

Parkinson Farms (Parkinsons), a partnership, filed application for transfer 4573 with the Department of Water Resources (Department), seeking a new point of diversion in addition to three existing wells described by water rights 34-02497, 34-02506, 34-02505, and 34-04008. The three existing wells are located at the place of use described by the water rights. Parkinson proposes to drill another well approximately eight miles north of the place of use. Parkinsons proposes to divert water from the new well into canal systems owned and operated by the Big Lost Irrigation District for delivery to the place of use.

The application for transfer was protested by the Big Lost River Waterusers Association (association), and signed by Lawrence Babcock, chairman of the association. In addition, the protest was signed by 16 other individuals with addresses located in the Big Lost River Valley.

A hearing was conducted on November 1, 1995, regarding the protests. During testimony at the hearing, Charles Huggins, a wateruser on the lower end of the Big Lost River, alleged that he had filed a protest, and produced a cancelled check for $25.00, which is the fee for filing a protest. In addition, the association alleged that Lester Braswell filed a protest, and produced a cancelled check from Braswell.

The Department searched its file and could not find any evidence of the protests. Huggins stipulated that his interests had been sufficiently represented without being an independent protestant, and the hearing officer committed to refund the $25.00 filing fee. Harold Jones of the Idaho Department of Water Resources said he would call Braswell to determine his feeling regarding the possible protest,and would also search for the protest.

At the end of the hearing, the record was closed, with the exception that if Braswell wished to become a party to the matter, and it was shown that the protest had been found,

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Braswell would be entitled to a hearing as a party. Braswell verbally stipulated that his interests had been represented, and withdrew his protest.

The hearing officer recommends the following Findings of Fact, Conclusions of Law, and Order:

FINDINGS OF FACT

1. The director's adjudication report for basin 34 describes the points of diversion and place of use for water right nos. 34-02497, 34-02506, 34-02505 and 34-04008 as follows:

POINTS OF DIVERSION

T03N R26E S11	NWNESW
	NENESE (two wells)

PLACE OF USE

	location	acres
T03N R26E S10	NESE	20
	SESE	37
S11	NENE	7
	SWNE	34
	SENE	37
	SWNW	7
	SENW	21
	NESW	40
	NWSW	40
	SWSW	40
	SESW	40
	NESE	38
	NWSE	40
	SWSE	40
	SESE	39
	TOTAL	480

2. The place of use described by the three water rights is also the place of use for surface water rights diverted out of the Big Lost River. During recent drought years, flows in the Big Lost River have been insufficient to supply surface water for the place of use.

3. The three wells described by the four water rights listed in Finding of Fact no. 1 (referred to hereafter as the old wells) presently produce the following approximate quantities of water from the following approximate depths.

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12. If approved, the applicant will attempt to divert all of his water right authorized from the new proposed point of diversion.

13. Multiple witnesses testified that when irrigation pumps located in the vicinity of the proposed well site turn on, water levels in their domestic wells drop significantly. Most of the domestic well users in the area have redrilled their domestic wells as a result of the declining groundwater levels caused by the irrigation pumps.

14. Ground water in the vicinity of the proposed well site is tributary to the Big Lost River. Because of well development in the Moore area and upstream of Moore, flows in the Big Lost River have been depleted. In addition, the shortage of water has been aggravated by several years of drought. As a result, the Big Lost River has dried up below the Moore diversion and return flows from ground water have not replenished the stream. Water rights normally satisfied in the lower portions of the Big Lost River have been without water.

15. The Department has determined that wells located at the proposed site and located at the old place of use divert water tributary to the Big Lost River. The old wells are located at the boundary line of tributary ground water, however, and may not impact river flows as significantly as a well withdrawing water at the proposed well location.

16. Glen Guthrie, a well driller in the Big Lost River area, has drilled replacement wells since the drought began in 1987. Many of these wells have been drilled because waterusers could no longer pump from their wells because ground water levels had fallen below the elevation of their pump intakes.

17. Surface water delivered through canals owned by the Big Lost Irrigation District are assessed a shrink for water loss in delivering from the point of diversion to the place of use. A shrinkage percentage is calculated for each delivery canal. Depending on the length of the canal, and the characteristics of the material through which the canal is cut, these losses can be as high as 50% to 70%.

18. Water diverted from wells, and injected into canals for delivery are also assessed a shrink. The proposed diversion and delivery by Parkinsons would be assessed a shrink for the canals through which the water is delivered. The witnesses testified that the shrinkage would probably be in the range of 50% to 60%.

19. The shrink imposed is primarily lost to percolation, although some evaporation may also occur. In general, this water percolates back into the ground water, and flows either underground, or resurfaces in the Big Lost River.

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20. No evidence was presented to show where the percolated water would again be available for use, or the timing of the percolation and its availability.

21. No evidence was submitted to show that waterusers who own wells near the proposed point of diversion would not be injured. Furthermore, no plan of mitigation was offered, and the issue of injury caused by reduction in flows to the Big Lost River and to ground water recharge were not addressed.

22. Witnesses testified that maintenance of stream flows were in the public interest.

CONCLUSIONS OF LAW

1. Idaho Code § 42-222 sets forth the criteria that the Department can consider in determining whether an application for transfer should be approved:

> The director of the department of water resources shall examine all of the evidence and available information and shall approve the change in whole, or in part, or upon conditions, provided no other water rights are injured thereby, the change does not constitute an enlargement in use of the original right, and the change is consistent with the conservation of water resources within the state of Idaho, and is in the local public interest as defined in Section 42-203A, Idaho Code; . . ..

2. The applicant carries the burden of coming forward with evidence that his proposed transfer will not result in an enlargement in use, will not injure other water rights and is consistent with conservation of water resources.

3. All parties carry the burden of coming forward with the evidence regarding matters of local public interest, but the applicant bears the burden to show that his proposal is in the local public interest, or that public interests which favor the proposal are of greater worth than the public interests with which it conflicts.

4. The applicant bears the ultimate burden of proof regarding all issues.

5. The association established that waterusers near the proposed point of diversion would be injured by the withdrawals from the proposed well.

6. The association established that further depletions of water in the Moore area would affect stream flows in the Big Lost River, and would lower or reduce available ground water down

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NOV 2 9 1996

gradient of the proposed well.

7. Parkinsons did not satisfy their burden of proof regarding issues of injury, enlargement, or local public interest.

8. The Department should deny application for transfer no. 4573.

ORDER

IT IS HEREBY ORDERED that application for transfer no. 4573, in the name of Parkinson Farms is DENIED.

Dated this 13th day of December, 1995.

Gary Spackman
Hearing Officer

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CERTIFICATE OF MAILING

I do hereby certify that on this 13th day of December, 1995, I mailed a true and correct copy, postage prepaid, of the foregoing RECOMMENDED ORDER to the following:

Ralph S Parkinson
Parkinson Farms
Rt 1 Box 228
Arco ID 83213

Lawrence R Babcock, Chairman
Big Lost River Waterusers Association
Box 66
Moore ID 83255

Kris Rhodes

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PART 2 Directors Report [redacted] in SRBA

Transfer No. 4523

AJ5856NP

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAW

DATE: MAY-27-1992
PAGE: A-1248

RIGHT NUMBER	NAME & ADDRESS	PRIORITY DATE	PURPOSE OF USE	PERIOD OF USE FROM	TO	MAXIMUM QUANTITY		BASIS OF CLAIM
	SOURCE: GROUNDWATER							
34-02497	RALPH S PARKINSON PO BOX 228 ARCO ID 83213	09/27/1966	IRRIGATION	04-15	10-15	.57	CFS	LICENSE
				TOTAL QUANTITY:		.57	CFS	

POINT OF DIVERSION:
T03N R26E S11 NWNESW
NENESE

PLACE OF USE: IRRIGATION

T03N R26E S10	NESE 20.0	SESE 37.0			
S11	NENE 7.0	SWNE 34.0	SENE 37.0	SWNW 7.0	
	SENW 21.0	NESW 40.0	NWSW 40.0	SWSW 40.0	
	SESW 40.0	NESE 38.0	NWSE 40.0	SWSE 40.0	
	SESE 39.0				

480.0 ACRES TOTAL

REMARKS: RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION PURSUANT TO IDAHO CODE 42-1416A.
RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO IDAHO CODE 42-1416A.
TWO POINTS OF DIVERSION LOCATED IN NENESE, S 11, T 3N, R 26E.
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 34-02505, 34-02506 AND 34-04008.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 55 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.32 CFS, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 472 ACRES IN A SINGLE IRRIGATION SEASON.
COMBINED RIGHT NOS.: 34-02505, 34-02506 AND 34-04008. USE OF THIS WITH RIGHT NO. 34-07145 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO IRRIGATION OF A COMBINED TOTAL OR 778 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07176 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 21.62 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3784 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 2212.5 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 885 ACRES IN A SINGLE IRRIGATION SEASON.

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PART 2

Transfer No. 4523

RIGHT NUMBER	NAME & ADDRESS	PRIORITY DATE	PURPOSE OF USE	PERIOD OF USE FROM	TO	MAXIMUM QUANTITY		BASIS OF CLAIM
	SOURCE: GROUNDWATER							
34-02505	RALPH S PARKINSON PO BOX 228 ARCO ID 83213	03/03/1967	IRRIGATION	04-15	10-15	1.06	CFS	LICENSE
			TOTAL QUANTITY:			1.06	CFS	

POINT OF DIVERSION:
T03N R26E S11 NWNESW
NENESE

PLACE OF USE: IRRIGATION

T03N R26E S10	NESE 20.0	SESE 37.0			
S11	NENE 7.0	SWNE 34.0	SENE 37.0	SWNW 7.0	
	SENW 21.0	NESW 40.0	NWSW 40.0	SWSW 40.0	
	SESW 40.0	NESE 38.0	NWSE 40.0	SWSE 40.0	
	SESE 39.0				

480.0 ACRES TOTAL

REMARKS: RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION PURSUANT TO IDAHO CODE 42-1416A.
RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO IDAHO CODE 42-1416A.
TWO POINTS OF DIVERSION LOCATED IN NENESE, S 11, T 3N, R 26E.
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 34-02497, 34-02506 AND 34-04008.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 103 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-02497 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.32 CFS, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 472 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07145 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO IRRIGATION OF A COMBINED TOTAL OF 778 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07176 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 21.62 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3784 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 2212.5 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 885 ACRES IN A SINGLE IRRIGATION SEASON.

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Transfer No. 45523

AJ5856NP PART 2

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAW

DATE: MAY-27-1992
PAGE: A-1252

RIGHT NUMBER	NAME & ADDRESS	PRIORITY DATE	PURPOSE OF USE	PERIOD OF USE FROM	TO	MAXIMUM QUANTITY		BASIS OF CLAIM
	SOURCE: GROUNDWATER							
34-02506	RALPH S PARKINSON PO BOX 228 ARCO ID 83213	03/02/1967	IRRIGATION	04-15	10-15	1.17	CFS	LICENSE
				TOTAL QUANTITY:		1.17	CFS	

POINT OF DIVERSION:
T03N R26E S11 NWNESW
NENESE

PLACE OF USE: IRRIGATION

T03N R26E S10	NESE 20.0	SESE 37.0			
S11	NENE 7.0	SWNE 34.0	SENE 37.0	SWNW 7.0	
	SENW 21.0	NESW 40.0	NWSW 40.0	SWSW 40.0	
	SESW 40.0	NESE 38.0	NWSE 40.0	SWSE 40.0	
	SESE 39.0				

480.0 ACRES TOTAL

REMARKS: RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION PURSUANT TO IDAHO CODE 42-1416A.
RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO IDAHO CODE 42-1416A.
TWO POINTS OF DIVERSION LOCATED IN NENESE, S 11, T 3N, R 26E.
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE:34-02497, 34-02505 AND 34-04008.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 114 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-02499 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.32 CFS, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 472 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07145 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO IRRIGATION OF A COMBINED TOTAL OF 778 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07176 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 21.62 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3784 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 2212.5 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 885 ACRES IN A SINGLE IRRIGATION SEASON.

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Transfer No. 45523

PART 2

AJ5856NP

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED UNDER STATE LAW

DATE: MAY-27-1992
PAGE: A-1254

RIGHT NUMBER	NAME & ADDRESS	PRIORITY DATE	PURPOSE OF USE	PERIOD OF USE FROM	TO	MAXIMUM QUANTITY		BASIS OF CLAIM
	SOURCE: GROUNDWATER							
34-04008	RALPH S PARKINSON PO BOX 228 ARCO ID 83213	04/01/1967	IRRIGATION	04-15	10-15	2.6	CFS	BENEFICIAL USE
					TOTAL QUANTITY:	2.6	CFS	

POINT OF DIVERSION:
T03N R26E S11 NWNESW
NENESE

PLACE OF USE: IRRIGATION

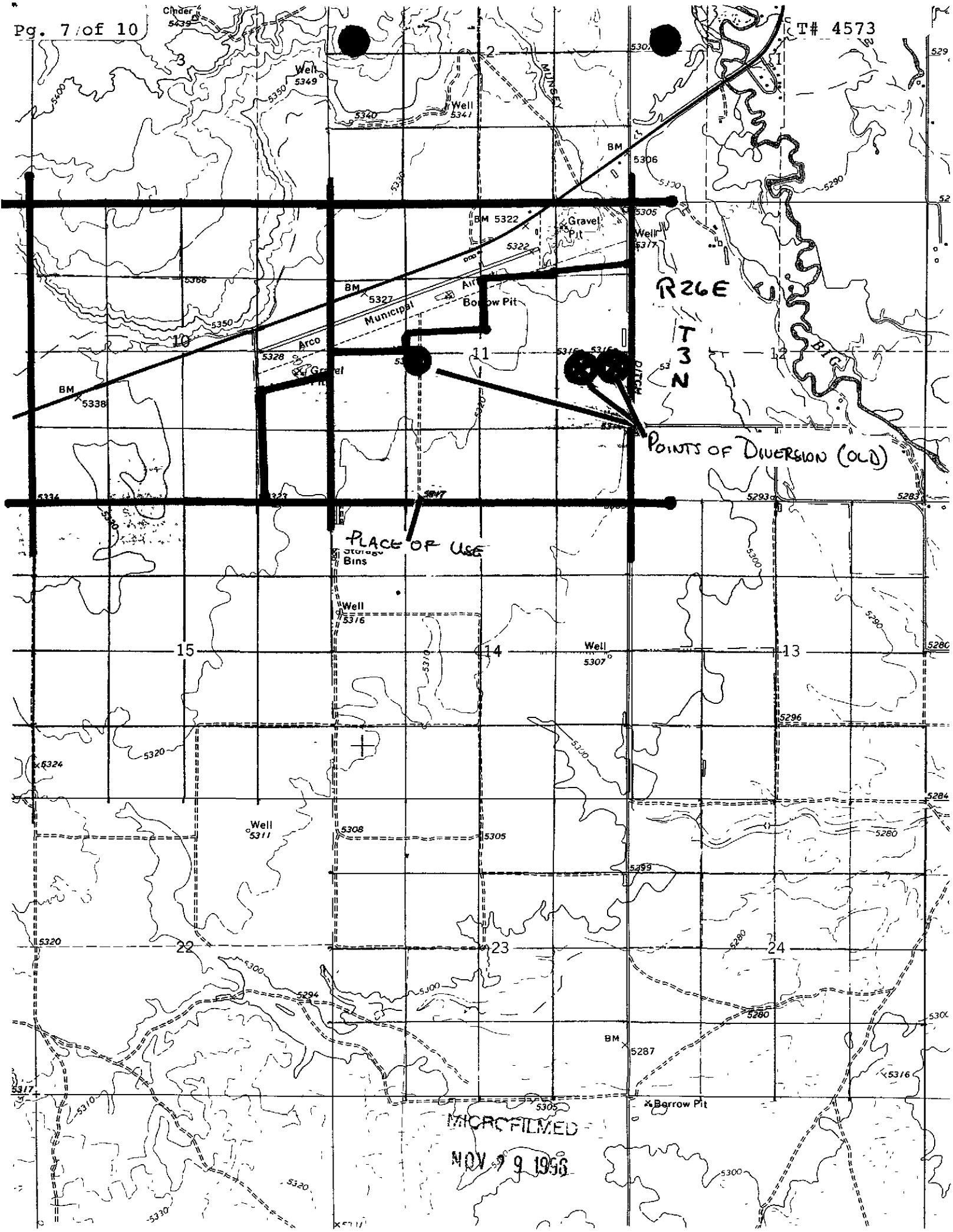
T03N R26E S10	NESE 20.0	SESE 37.0			
S11	NENE 7.0	SWNE 34.0	SENE 37.0	SWNW 7.0	
	SENW 21.0	NESW 40.0	NWSW 40.0	SWSW 40.0	
	SESW 40.0	NESE 38.0	NWSE 40.0	SWSE 40.0	
	SESE 39.0				

480.0 ACRES TOTAL

REMARKS: RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION PURSUANT TO IDAHO CODE 42-1416A.
RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO IDAHO CODE 42-1416A.
TWO POINTS OF DIVERSION LOCATED IN NENESE, S 11, T 3N, R 26E.
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 34-02497, 34-02505 AND 34-02506.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 200 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-02497 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.32 CFS, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 472 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07140 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 778 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07176 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 21.62 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3784 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 2212.5 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 885 ACRES IN A SINGLE IRRIGATION SEASON.

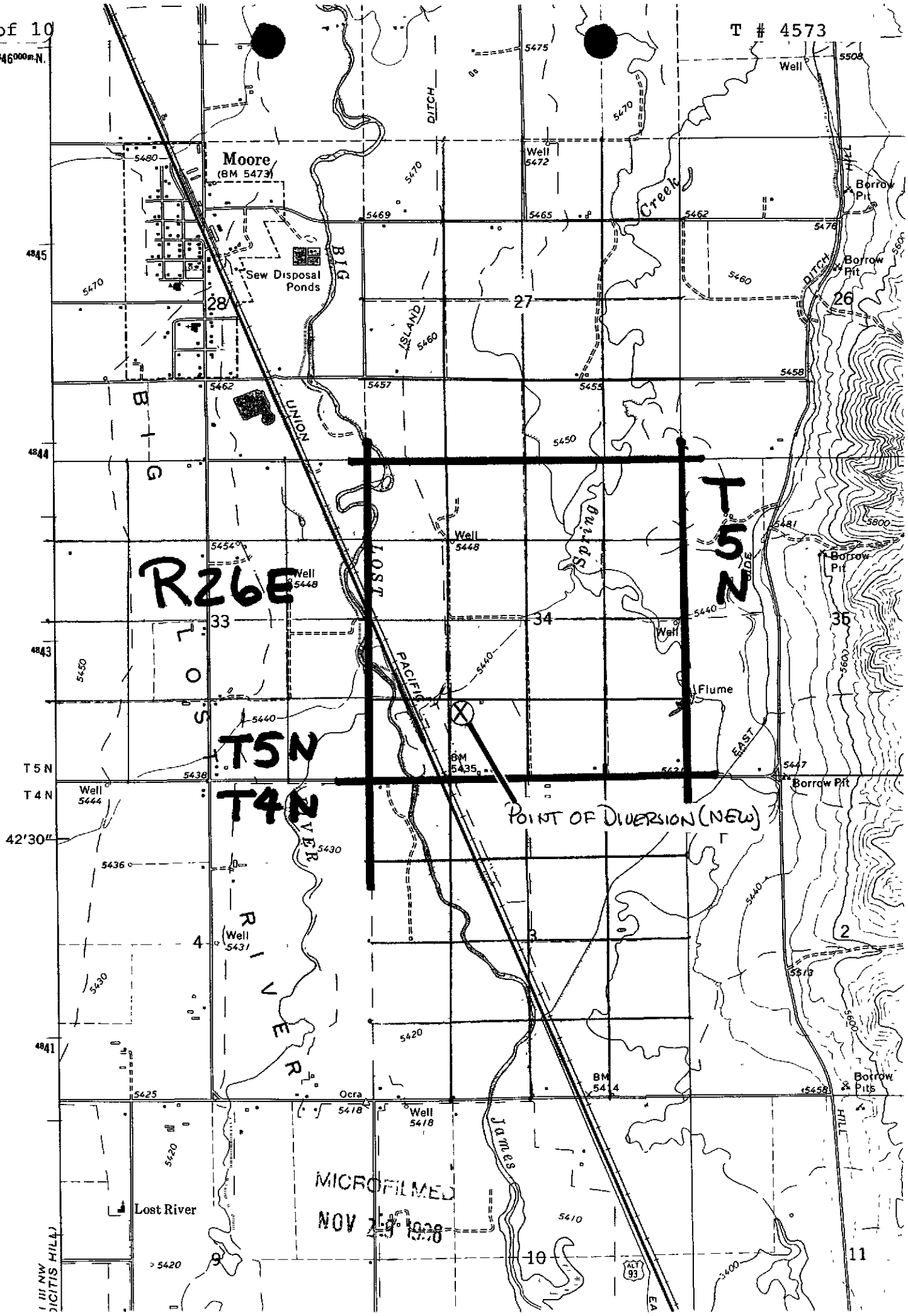
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T# 4573



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T # 4573


R26E
T5N
T4N
POINT OF DIVERSION (NEW)
Moore
(BM 5473)
Sew Disposal Ponds
Well 5472
Well 5448
Well 5444
Well 5431
Well 5418
Flume
Borrow Pit
Borrow Pits
Ocra
Lost River
BIG LOST RIVER
UNION PACIFIC
EAST SPRING CREEK
JAMES HILL
BIG ISLAND DITCH
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Form 222
1-87

Page 1 of 10

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. 4523

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 1

Name of applicant Parkinson Farms c/o Ralph S. Parkinson Phone 527-3161

Post Office address Rt 1 Box 228 Arco Ia 83213

A. PURPOSE OF TRANSFER

1 ☐ Change point of diversion ☑ Add diversion point(s) ☐ Change place of use
☐ Change nature of use ☐ Change period of use ☐ Other

2 Describe the reason for the proposed changes Existing wells cannot deliver total amount of water right

B. DESCRIPTION OF RIGHT(S) OR PORTION THEREOF, AFTER THE REQUESTED CHANGE

1. Right Number	Priority	Amount (cfs/ac-ft)	Nature of Use	Period of Use 4-15 to 10-15
34-2497	9/27/1966	0.57	IRRIGATION	~~4/1~~ to ~~10/31~~
34-2506	3/2/1967	1.17cfs	IRRIGATION	~~4/1~~ to ~~10/31~~
34-2505	3/3/1967	1.06cfs	IRRIGATION	~~4/1~~ to ~~10/31~~
34-4008	4/30/1961	2.60 cfs	IRRIGATION	~~4/30~~ to ~~10/30~~

2. Total amount of water being transferred ~~5.40~~ 5.32 cubic feet per second and/or _____ acre-feet per annum.

3. Source of water Groundwater tributary to _____

4. Point(s) of Diversion

Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Local name for diversion
		SE	NE	11	3N	26E	Butte	
		NE	SW	11	3N	26E	Butte	
		NE	SE	11	3N	26E	Butte	
		SE	SW	34	5N	26E	Butte	New Well

5. Lands irrigated or place of use.

Twp.	Rge.	Sec.	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	
3N	26E	10													20			37	57
		11	7		34	37			7	21	40	40	40	40	38	40	40	39	423

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Total acres 480

6

Transfer No 4523

PART 1

6 General Information

a Description of diversion system Well & Pump open discharge into Eastside Ditch then into Island ditch then injected into Big Lost River, rediverted into Munsey ditch to relift Pump for sprinkler irrigation. Existing wells divert directly into pressurized system

b Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts? ✓ Yes _____ No. If yes, provide a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes

c. Describe the affect on the land now irrigated if the place of use is changed pursuant to this transfer (NONE)
Better irrigation of place of use due to fact that new well will bring total diversion up to licensed amount

d. Remarks:

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Transfer of Water Rights No. _____

And said application is hereby _____, subject to the following limitations and conditions

Witness my hand this _____ day of _____, 19____.

_____

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NOV 2 9 1996

Transfer No 4523

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 3

A. Draw a map or attach a USGS map indicating the new point(s) of diversion and/or the new place of use for rights described in part 1. Clearly depict the land by section, township and range number.

SEE ATTACHED USGS MAPS

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SCALE: 2 inches equal 1 mile Draw plan in ink.

PART 3

B. CHANGES IN NATURE OF USE

1	New Nature of Use	Amount (cfs/ac-ft)	Hours/days/year	Period of Use
				to
				to

2. Quantity and quality of return flows and location of discharge:

3. Describe effects on other water uses resulting from the proposed change:

I hereby assert that no one will be injured by such change and that the change does not constitute an enlargement in use of the original right The information contained in this application is true to the best of my knowledge.

I understand that any willful misrepresentations made in this application may result in voiding its approval.

X Ralph S. Parkinson PARTNER
(Signature of Applicant)

Subscribed and sworn to before me this 16 day of February, 19 95.

Betty J. Thompson
(Notary Public)

My commission expires _____

FOR DEPARTMENT USE ONLY

Transfer contains 10 pages and _____ attachments

Received by KCW Date 3-17-95 Protest filed by Big Lost River Water Users Assoc.

Prelim check by HJJ Fee 100.00 E020790

Receipted by KCW Date 3-17-95

Published in Arco Advertiser Copies of protest forwarded by RB 4-27-95

Pub. dates April 6 : 13-1995 Hearing held by _____ Date _____

Watermaster recommendation requested on 3-28-95 Recommended for ☐ approval ☐ denial

_____ rec'd. 4-4-95 by _____

Copy of transfer sent to lien holder _____

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Warranty Deed

For Value Received **AGAMERICA, FCB, SUCCESSOR IN INTEREST TO FARM CREDIT BANK OF SPOKANE, A CORPORATION**

Hereinafter called the Grantor, hereby grants, bargains, sells and conveys unto
PARKINSON FARMS, [redacted] a partnership
whose address is: ROUTE 1, ARCO, ID,83213
2195 N. 3000 W.
Hereinafter called the Grantee, the following described premises situated in Bingham County, Idaho, to-wit:

SEE ATTACHED EXHIBIT "A"

TOGETHER WITH all and singular the tenements, hereditaments, and appurtenances thereunto belonging or in anywise appertaining, including all water, water rights, ditch and ditch rights.

TO HAVE AND TO HOLD the said premises, with their appurtenances unto the said Grantee and to the Grantee's heirs and assigns forever. And the said Grantor does hereby covenant to and with the said Grantee, that the Grantor is the owner in fee simple of said premises; that said premises are free from all encumbrances except current years taxes, levies, and assessments, and except U. S. Patent reservations, restrictions, easements of record, and easements visible upon the premises, and that Grantor will warrant and defend the same from all claims whatsoever.

Dated: FEBRUARY 23, 1995

Kristine Peterson

AGAMERICA, FCB, SUCCESSOR IN INTEREST TO FARM CREDIT BANK OF SPOKANE, a Corporation
BY KRISTINE PETERSON

STATE OF IDAHO)
: ss.
COUNTY OF BUTTE)

On this 24TH day of FEBRUARY, 1995, before me a Notary Public in and for said State, personally appeared KRISTINE PETERSON, known or identified to me to be the AUTHORIZED AGENT of the corporation who executed the instrument on behalf of said corporation, and acknowledged to me that said corporation executed the same.

Michelle Peterson
Notary Public for Idaho
Residing at: BLACKFOOT, IDAHO
My Commission expires: 4-11-2000

NOTARY PUBLIC

NO. 028864
FILED
FEB 24 1995
A.M. 11:10 P.M.
BUTTE COUNTY RECORDER

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NOV 29 1996

EXHIBIT "A"

TRACT A:
Township 3 North, Range 27 E.B.M., Butte County, Idaho
Section 18:Lots 1 and 2 and the E½NW¼, **EXCEPT:** Beginning at the NW corner Lot 1, thence S. 150 feet; thence E. 300 feet; thence N. 150 feet; thence W. 300 feet to the point of beginning, **ALSO EXCEPT:** Beginning 322.67 feet E. of the NW corner of Section 18, thence S. 89°37' E. 322.67 feet; thence S. 322.67 feet; thence N. 89°37' W. 322.67 feet; thence N. 135.0 feet to the point of beginning.

TRACT B:
Township 3 North, Range 26 E.B.M., Butte County, Idaho
Section 14:SE¼
Section 23:N½NE¼; SE¼NE¼; SW¼NE¼

TRACT C:
Township 3 North, Range 26 E.B.M., Butte County, Idaho
Section 10:NE¼NE¼NE¼SE¼; S½NW¼NE¼NE¼SE¼; S½N½NE¼SE¼; S½NE¼SE¼; and SE¼SE¼, **EXCEPTING** any portion lying within the following described premises: Beginning at the NW corner of the NE¼SE¼ of Section 10 and running thence E. 993.2 feet; thence S. 70°07' W. 1056.2 feet; thence N. 359.2 feet to the place of beginning, **ALSO EXCEPTING THEREFROM:** Commencing at the SE corner of said Section 10, thence S. 89°54;00" W. 1320.00 feet along the Southern boundary of said Section 10 to the **point of beginning,** thence N. 0°05'23" E. 1315.87 feet along the Western boundary of the SE¼SE¼ to the NW corner of the SE¼SE¼; thence N. 89°56'07" E. 75.61 feet to the centerline of a County Road; thence S. 1°58'10" E. 1316.52 feet along the centerline of a County Road; thence S. 89°54'00" W. 118.79 feet to the **point of beginning,** subject to a 25 foot wide county road right-of-way along the Eastern and Southern boundaries thereof. **ALSO EXCEPTING THEREFROM:** A parcel of land located in the NE¼SE¼ of said Section 10, commencing at the NW corner of the NE¼SE¼ of said Section 10 and monumented with a 5/8 inch diameter iron pin; thence S. 0°00'01" E along the Westerly boundary of said NE¼SE¼ 359.20 feet to the point of beginning; thence continuing S. 0°00'01" E. 295.00 feet ; thence leaving said Westerly boundary N. 70°16'24" E. 107.82 feet; thence N. 2°38'41" W. 104.62 feet; thence N. 70°16'24" E. 547.84 feet; thence S. 89°57'32" W. 528.36 feet; thence S. 70°05'12" W. 89.34 feet to the point of beginning.

Section 11:S½; **ALSO,** Beginning at a point N. 0°06' W. 118.2 feet from the SW corner of the NW¼; thence N. 70°24' E. 5624.4 feet, more or less, to the Butte County Highway; thence S. 0°02' E. 2042.5 feet, more or less, to the E¼ corner of said Section 11; thence S. 89°54' W. 5301.8 feet, more or less, to the SW corner of the NW¼ of said Section 11; thence N. 0°06' W. 118.2 feet to the place of beginning.
EXCEPTING THEREFROM: A parcel of land being a portion of Sections 10 and 11, Township 3 North, Range 26 E.B.M., Butte County, Idaho, to-wit: Commencing at the NE corner of said Section 11 monumented with a 5/8 inch diameter iron pin; thence N. 89°58'51" W. along the Northerly boundary of said Section 11, a distance of 529.70 feet; thence leaving said Northerly boundary S. 0°01'09" W. 803.66 feet to the point of beginning; thence S. 0°01'09" W. 70.18 feet; thence S. 72°30'49" W. 1,100.93 feet; thence N. 0°00'57" E. 25.26 feet; thence S. 70°18'44" W. 3,956.69 feet to a point on the Section line between Sections 10 and 11; thence S. 0°01'38" W. along said Section line 118.20 feet to the ¼ corner common to said Section 10 and 11, monumented with a brass cap monument; thence leaving said Section line S. 89°57'57" W. along the center-section line of said Section 10 327.99 feet; thence S. 70°05'12" W. 2.46 feet; thence S. 0°01'12" W. 163.52 feet; thence S. 89°57'45" W. 330.28 feet; thence S. 0°00'47" W. 147.14 feet; thence N. 70°16'24" E. 5,227.29 feet; thence N. 78°49'41" E. 672.20 feet; thence N. 19°18'45" W. 278.38 feet; thence S. 70°18'44" W. 54.94 feet to the point of beginning.
ALSO EXCEPTING THEREFROM: Part of the NE¼SE¼ of Section 11, Township 3 North, Range 26 E.B.M., Butte County, Idaho, more particularly described as:
Beginning at the NE corner of the SE¼ of Section 11, and running thence S. 840 feet along the E. boundary of Section 11; thence W. 280 feet; thence N. 840 feet; thence E. 280 feet to the point of beginning.

TRACT D:
Part of the NE¼SE¼ of Section 11, Township 3 North, Range 26 E.B.M., Butte County, Idaho, more particularly described as:
Beginning at the NE corner of the SE¼ of Section 11, and running thence S. 840 feet along the E. boundary of Section 11; thence W. 280 feet; thence N. 840 feet; thence E. 280 feet to the point of beginning.

MICROFILMED
NOV 2 9 1999

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR TRANSFER NO. 3052 OF RIGHT NO. 34-02497, 3053 OF RIGHT NO. 34-02505, 3054 OF RIGHT NO 34-02506 AND 3055 OF RIGHT NO. 34-04008 IN THE NAME OF RALPH S. PARKINSON	ORDER

This matter having come before the Idaho Department of Water Resources (department) as a result of the review of pending applications for transfer and review of Snake River Adjudication claims filed in the Big Lost River Drainage, the department makes the following findings of fact, conclusions of law and order:

FINDINGS OF FACT

1. On July 12, 1984, Ralph S. Parkinson (applicant) filed the following Applications for Transfer with the department:

3052 of water right no. 34-02497
3053 of water right no. 34-02505
3054 of water right no. 34-02506
3055 of water right no. 34-04008 (applications).

2. A review of the Snake River Adjudication claims filed in connection with the above captioned water rights shows that the proposed transfers do not agree with the later in time adjudication claims.

3. The adjudication claims have been filed pursuant to Section 42-1416A, Idaho Code, as if the change(s) proposed on the pending applications can be approved and decreed without the necessity of filing for a change as provided in Sections 42-108 and 42-222, Idaho Code.

4. On October 11, 1990, the department corresponded with the applicant to determine continued interest of the applicant and requested appropriate information from the applicant to justify separate consideration of the applications from the more recently filed Snake River Adjudication claims.

5. The applicant has not responded to the department and has not shown any reason why the applications should be considered separately from the adjudication claims.

CONCLUSIONS OF LAW

1. Section 42-1416A, Idaho Code, provides in part that:

(1) If any person entitled to the use of water has made a

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change in point of diversion, place of use, period of use or nature of use of all or a part of the water, including a change as part of an exchange as defined in section 42-105, Idaho Code, prior to the entry of an order commencing a general adjudication pursuant to section 42-1408, Idaho Code, and the person entitled to the use of water has not complied with the requirements of sections 42-108 and 42-222, Idaho Code, regarding such changes, the following shall apply:

(a) the water right may be claimed in the general adjudication as changed and an application for change of the water right is not required to be filed pursuant to section 42-222, Idaho Code, and

(b) the water right may be determined by the director in the director's report pursuant to section 42-1411, Idaho Code, and decreed by the district court pursuant to section 42-1412, Idaho Code, as changed, if the change meets the substantive criteria of section 42-222, Idaho Code, for approval of such changes, provided that the change may be approved subject to conditions necessary to satisfy the substantive criteria of section 42-222, Idaho Code, for approval of such changes.

2. The department should set aside the captioned applications for transfer and should consider the change(s) proposed in the applications which have been claimed in the related adjudication claims as being combined with and included in the review and recommendation of the adjudication claims in the Director's report as required by Section 42-1411, Idaho Code.

ORDER

IT IS THEREFORE, HEREBY ORDERED that Applications for Transfer No. 3052 in connection with water right no. 34-02497, 3053 in connection with water right no. 34-02505, 3054 in connection with water right no. 34-02506 and 3055 in connection with water right no. 34-04008 are set aside and will not be separately considered by the department.

IT IS FURTHER, HEREBY ORDERED, that the change(s) proposed in the applications for transfer which have been claimed on the related Snake River Adjudication claims be included in and considered by the department in the Director's report required by Section 42-1411, Idaho Code.

Dated this 23rd day of November, 1990.

L. Glen Saxton

L. GLEN SAXTON, Chief
Water Allocation Bureau

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Form No. 222 10/80

Transfer No. 3052

Water Right No. 34-2497

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

To Change the Point of Diversion and/or the Place of Use

Name of applicant Ralph S. Parkinson Phone 527-3161

Post Office address P.O. Box 228, Arco, Idaho 83213

A. DESCRIPTION OF RIGHT AS RECORDED

1. Right evidenced by:

   a. Decree No. _____ Decreed to _____ (Name)

   in case of _____ vs _____

   dated in _____ in _____ (Name of court) county of _____

   b. License No. 34-2497 issued by the Idaho Department of Water Resources

   c. Claim No. _____ on file with the Idaho Department of Water Resources

2. If applicant is not the original holder of this right, explain how it was acquired and attach a copy of the deed or other evidence of ownership of the land to which the right is appurtenant _____

Set Aside

3. Source of water Groundwater tributary to _____

4 Date of priority 9-27-1966

5. Water is used for the following purposes:

   amount 0.57 cfs for Irrigation purposes from 4/1 to 10/31

   amount _____ for _____ purposes from _____ to _____

   amount _____ for _____ purposes from _____ to _____ (month/day — both dates inclusive)

6. Total amount of water under right a. 0.57 cubic feet per second &/or

   b. _____ acre feet per annum

7 Location of original point of diversion is SE ¼ of NE ¼ of Section 11 Township 3N Range 26E, B.M., in Butte County

   Additional points of diversion, if any _____

8. Lands irrigated or place of use:

TWP.	RANGE	SEC	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
3N	26E	11	5			25									25				55

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Total number of acres to be irrigated 55

9. Describe any other water rights used for the same purpose as described above _____

Big Lost River decrees and Permit No. 34-7145

10. To your knowledge, has any portion of this water right undergone a period of five or more consecutive years of nonuse? No If yes, describe in item D, REMARKS

B. DESCRIPTION OF PORTION OF RIGHT OWNED BY APPLICANT (If the entire right is owned by the applicant, omit part B).

1. Amount of water: a ___ _____ cubic feet per second
&/or
b. ___ ___ acre feet per annum

Point of diversion _____ ¼ _____ ¼, Section _____ Township _____

Range _____, B.M., _____ County

Additional points _____

3. Place of use:

TWP.	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

Total number of acres to be irrigated _____

C. DESCRIPTION OF RIGHT OR PORTION THEREOF, AFTER THE REQUESTED CHANGE

1. General Information

a. Amount of water to be diverted 0.57 c.f.s. &/or _____ acre feet

b. Description of diverting works well to ditch with relift pumps to mainline with groundwater wells to laterals with sprinklers

c. Describe the reasons for the proposed changes all wells are interconnected

2. Change in point of diversion ~~NE~~ ~~SE~~ SW ~~NE~~ SE¼NE¼

Point of diversion ~~NE~~ ~~SE~~ ¼ ~~SE~~ ¼, Section 11 Township 3N

Range 26E, B.M., Butte County

Additional points SW¼SW¼, Sec. 34, T. ~~4N~~ 5N, R. 26E

3. Change in place of use None

a. Are there leins, mortgages, or contracts on the lands from which you propose to transfer the water right which limit your authority to make the proposed change? Yes ___ No X. If yes, provide a statement agreeing to the proposed change from the holder of the lien, mortgage or contract.

b. Describe the affect on the land now irrigated if the place of use is changed pursuant to this transfer

None

MONTANA
FEB 07 1992

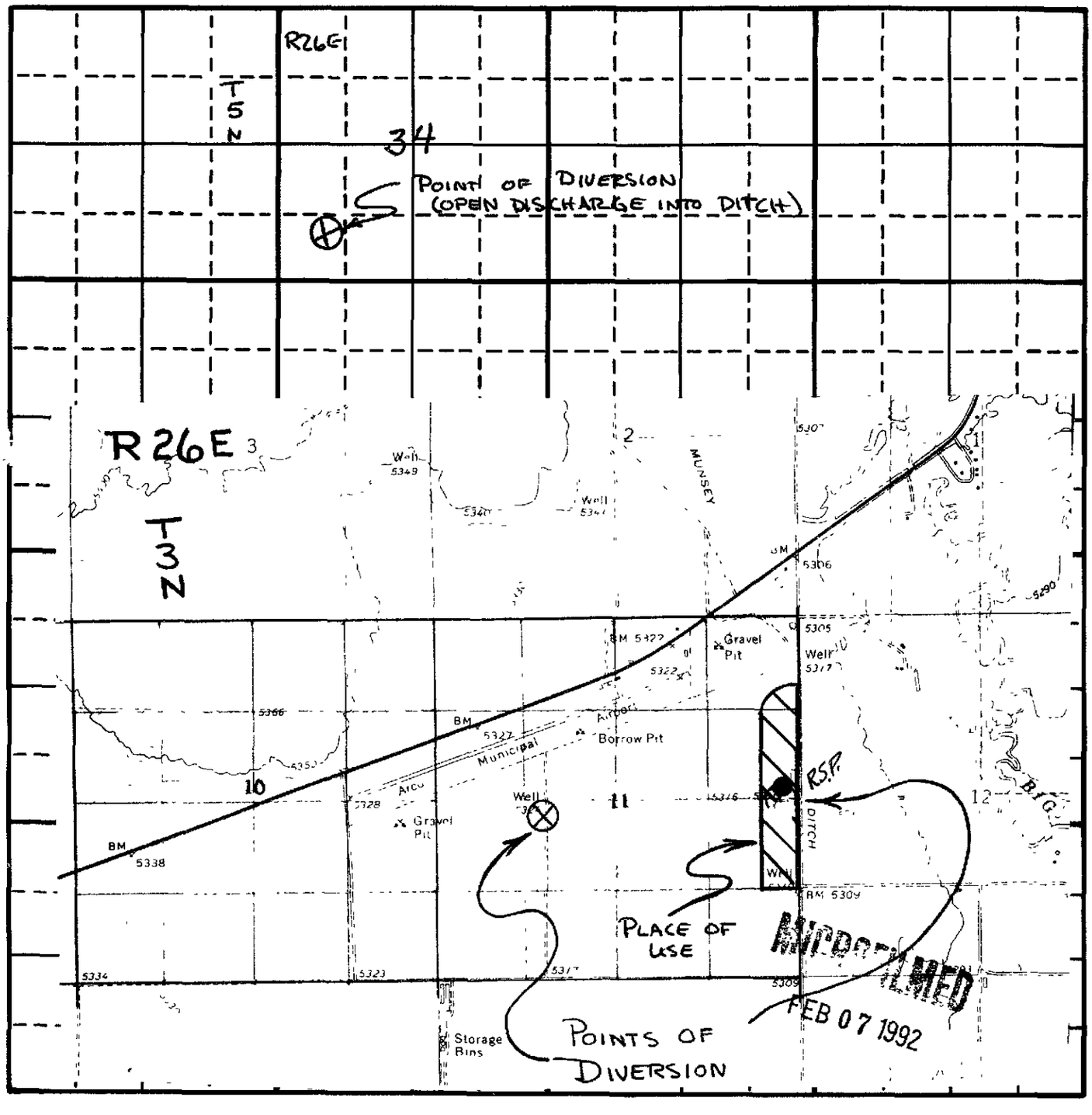
c. Describe the lands [redacted] lace of use to which the right will be tr[redacted]erred.

TWP	RANGE	SEC	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
3N	26E	11	5			25									25				55

Total number of acres to be irrigated 55

4. Describe any other water rights used for the same purpose as described above.
Big Lost Decree and Permit No. 34-7145

5. Draw a map indicating the new point(s) of diversion and/or the new land to be irrigated. Show clearly the land involved by section, township and range number.



SCALE 2 inches equal 1 mile. Draw plan in ink

D REMARKS

I hereby assert that no one will be injured by such change and that the change does not constitute an enlargement in use of the original right. The information contained in this application is true to the best of my knowledge

I understand that any willfull misrepresentations made in this application may result in voiding its approval.

Ralph S. Parkinson
(Signature of Applicant)

Subscribed and sworn to before me this 12th day of July, 19 84

Notary Public

My commission expires 6-15-85

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Transfer of Water Rights No. 34-2497 and said application is hereby APPROVED, subject to the following limitations and conditions:

Witness my hand this _____ day of _____, 19 88.

Chief, Operations Bureau

FOR DEPARTMENT USE ONLY

Assisted by
Received by KCW Date 12 July 1984 Protest filed by _____

Prelim. check by HJT Fee $5.00

Receipted by JR Date 7-12-84 #34233

Published in Anza Advertiser

Pub. dates Aug. 2 & 9, 1984

Watermaster recommendation requested on _____

_____ rec'd. _____

Copies of protest forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial

by RC Jim

RECEIVED
FEB 07 1992

WATERWAYS TRANSPORT AGREEMENT

THIS AGREEMENT, made and entered into this 1 day of April 19 80, by and between Ralph Parkinson for Lost River West of Butte County, State of Idaho and the BIG LOST RIVER IRRIGATION DISTRICT, an Irrigation District duly organized under the laws of the State of Idaho, with its principal office in Mackay, Custer County, State of Idaho.

WITNESSETH:

WHEREAS, Ralph Parkinson *herein noted as Lost River West by Ralph Parkinson is the owner of certain rights to well waters with a point of diversion described as follows (legal description): Section A Twp 5 Rge 26

and,

WHEREAS these rights to waters are in the amount of approximately [illegible] miners inches of capacity, and

WHEREAS Ralph Parkinson desires to transport said waters through an existing canal of District for use at a point other than the point of diversion.

WHEREAS, the District is the owner of a canal known as the Island-[illegible] Canal, being a part of the facilities of the District for the transmission of decreed and storage waters within the boundaries of said district, and,

WHEREAS, Ralph Parkinson desires to transport said waters described above through said noted Canal to the end of said canal at the boundaries of the District, and thereafter beyond said boundary on to land owned by Ralph Parkinson outside the boundary lines of the district, to the end that said waters would be used on lands described as follows (legal description):

Section 23 Twp 3 N rge 26 NE¼NW¼, NW¼NE¼ SE¼NE¼, SW¼NE¼

Section 11 Fr; NE¼, FR: SW¼ SW¼SE¼, SE¼SE¼, NW¼SE¼ NE¼SE¼ Section 11 FR: NE¼ FR: SE¼ SE¼, SW¼.

Section 10 SE¼SE¼ NE¼SE¼.

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NOW, THEREFORE, it is mutually agreed as follows:

1. Ralph Parkinson may transport the well waters with the point of diversion at Island easts de-mursey in the amount of approximately 260 miners inches capacity, in and through said noted Canal owned by the District, subject to the terms and conditions of this agreement.

2. Ralph Parkinson shall construct and maintain at their own expense, any additional ditch, structures, or other improvements, other than the existing noted Canal, that might be required to make the waters available to the land of Ralph Parkinson.

3. The right of Ralph Parkinson as set forth above is subordinated to all existing and prior rights for the transportation of waters of the District in and through said noted Canal, and the right granted herein is granted only as long as there is sufficient additional capacity in noted Canl beyond the needs and uses of District to carry said waters of Ralph Parkinson. The determination of the availability of additional capacity in noted Canal shall be the sole determination of District. In the event that there is no additional capacity in the noted Canal for the transportation of said waters, Ralph Parkinson agrees to construct at their sole expense any additional carrying capacity in the noted Canal. In the event Ralph Parkinson decides to forego the use of the noted Canal when there is no additional capacity, this agreement shall terminate.

4. Ralph Parkinson shall pay a proportionate part of the annual operation, maintenance, assessment and overheard costs of the District as a toll charge for the use of noted Canal. The operation and maintenance portions of the toll charge shall be based upon an assessment of the benefit received, said amount to be set by district on the same basis as other toll charges made concerning like rights. The assessment and overhead charges will be set against all lands benefitted hereby proportionately. Since all charges, including operation and maintenance are based on the number of irrigated acres, Ralph Parkinson shall notify District of the number of acres that have been irrigated by Ralph Parkinson with said waters each year. Notice of charges shall be given to Ralph Parkinson &c. by the District on or after the 1st day of April and are payable in full within thirty(30) days of such notice.

FILMED
FEB 07 1992

5. No water rights, transmission right, or ditch rights, in the noted Canal shall accrue to Ralph Parkinson by reason of this agreement, the rights of said Ralph Parkinson being contained only in the terms of this agreement.

6. This agreement shall be for a term of twenty(20) years beginning the 2nd day of April, 19 89, and shall remain in full force and effect until the 1st day of April, 1999, unless terminated as indicated in paragraph 7.

7. Failure to pay all charges and assessments agreed to when due shall be a breach of this agreement. Failure to accurately report the number of irrigated acres or to increase the flow of water through the noted Canal above that specified in this agreement without the written consent of the District shall also constiture a material breach of this agreement. In the event the District is require to file suit tocollect past due charges or to remedy any other breach of this agreement, Ralph Parkinson agrees to pay the District's costs and attorney's fees. Ralph Parkinson is entitled to ten(10) days notice of any breach before suit is filed.

8. Ralph Parkinson agrees that no assignment or other transfer of this agreement may be made except as hereafter provided.

In the event Ralph Parkinson desires to assign this agreement to the Federal Land Bank as security for a farm loan, the District hereby agrees to give its written consent upon ten(10) days written notice of said assignment. In the event said assignment is consented to by the District, however, Ralph Parkinson agrees to continue to remain responsible and obligated under all the terms, covenants and conditions of this agreement.

9. This document constitutes the full agreement of the parties hereto and any amendments or changes shall be invalid unless written.

By Lost River West
Ralph Parkinson
(Authorized Signature)

J. Doyle Jensen

THE BIG LOST RIVER IRRIGATION DISTRICT

BY .....
President

ATTEST:
Richard C Rothwell
Secretary

FEB 07 1992

STATE OF IDAHO)
) ss
County of Custer)

On this 1 day of April, 19[illegible], before me, the undersigned Notary Public in and for said County and State, personally appeared [illegible] and [illegible] known to me to be the person(s) whose name(s) are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

(SEAL)

Notary Public for the State of Idaho
Residing at [illegible]

STATE OF IDAHO)
) ss
County of Custer)

On this 1st day of April, 1980, before me, the undersigned Notary Public in and for said County and State, personally appeared [illegible] and Richard C Pothull known to me to be the President and Secretary respectively, of the corporation that executed the foregoing instrument, and acknowledged to me that such Corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

(SEAL)

Notary Public for the State of Idaho
Residing at [illegible], Idaho

WATER RIGHT TRANSPORT AGREEMENT- Page 4

RECORDED
FEB 07 1992

CONSENT TO ASSIGNMENT

BIG LOST RIVER IRRIGATION DISTRICT (District) hereby consents to the assignment by Last River West(Ralph Parkinson) (Landowner) to the Federal Land Bank of Spokane (Bank) of Landowner's rights under that certain Pumping Agreement dated 4/1 , 19 80 , and that certain Waterways Transport Agreement dated 4/1/1980 , 19 , both of said agreements being between Landowner and District.

The District agrees that it will not terminate either of said agreements without first having advised the Bank in writing of the pending cancellation and without allowing the Bank thirty (30) days from the date of such written notice to correct any default.

Should the Bank obtain title to Landowner's land through foreclosure or deed in lieu of foreclosure, or should the Bank thereafter transfer the property to a purchaser, then the District consents to the transfer of all rights under said agreements to the Bank or the Bank's transferee, if said transferee stand in the same position, both financially and with respect to the use of the water and land as did the Landowner.

DATED this 1 day of April , 19 80 .

THE BIG LOST RIVER IRRIGATION DISTRICT

BY J. Doyle Jensen
President

ATTEST:

Edward L. Rothwell
Secretary

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Diversion system from SW¼SW¼, Sec. 34, T. 5N, R. 26E to place of use in T. 3N, R. 26E, Secs. 10 & 11 is by means of a well, pump, mainline with open discharge into Island Ditch with discharge into the Eastside Canal which discharges into the Big Lost River for rediversion into Munsey ditch. From the Munsey ditch diversion is made by pump and mainline to sprinkler systems.

Ralph S. Parkinson

Ralph S. Parkinson

December 13, 1984

RECEIVED
DEC 14 1984
Department of Water Resources
Eastern District Office

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FEB 07 1992

BUTTE COUNTY ASSESSOR
P O BOX 157
ARCO, IDAHO 83213

August 28, 1984

Enclosed please find the description you asked for yesterday on the phone. This is the only tax # that we can find. If Mr. Parkinson believes there is a problem with the description, we advise that he have the property surveyed.

Thank you,

Laurie Gamett

Laurie Gamett
Deputy Assessor

RECEIVED
AUG 30 1984
Department of Water Resources
Eastern District Office

30-72 Fr. N½ Section 11, Twp 3 North Range 26 EBM. Commencing at the SW corner of the Arco Municipal Airport thence Northeast to the Butte County highway; thence South to the SE corner of the Northeast quarter of Section 11; thence West to the Southwest corner of t he NW¼ of Section 11; thence North to the point of beginning. REVISED 1974

Ralph Parkinson Real Estate Contract Dated 9-15-65 Micro# 1867

I cannot find where this tax # was ever a parcel. It was in 1974. This description as it reads is [illegible] also Collins appear to own part of this

PARCEL NO 03N26E110550 A
EFFECTIVE DATE 040583 EXPIRL DATE 999999

NAME AND PARKINSON, RALPH S
ADDRESS PARKINSON, THEDA E
RT 1 BOX 288
ARCO, ID 83213

LEGAL FR N2 T# 30-72
S2
SEC 11

MICROFILMED
FEB 07 1992

TAX CODE AREA 00400
PREVIOUS PARCEL #
COMMENTS

REVISED TAX CODE

PROPERTY ADDRESS

Affidavit of Publication

RECEIVED
AUG 13 1984
Department of Water Resources
Eastern District Office

I, Donal L. Cammack
of the Arco Advertiser, a weekly newspaper of general circulation, published weekly at Arco, Idaho, since March, 1909, do solemnly swear that a copy of this notice, per clipping attached, was published weekly in the regular and entire issue of said newspaper, and not in any supplement thereof,

for 2 consecutive weeks, commencing with

the issue dated August 2, 1984

and ending with the issue dated
August 9, 1984

Donald L. Cammack

Subscribed and sworn to before me this
9th day of August, 1984

Leslie A. Cammack
Notary Public

Residence: Arco, Idaho.
My commission expires Life, 19

NOTICE OF PROPOSED CHANGE OF WATER RIGHT

No. 34-2497

Notice is hereby given that Ralph A. Parkinson, Arco, ID, has applied to the Department of Water Resources for a change in the point of diversion of the waters of a ground water source. The right sought to be changed is evidenced by License No. 34-2497 and is recorded as follows:

Amount: 0.57 c.f.s.
Priority: September 22, 1966
Point of Diversion: SE¼NE¼, Sec. 11, T. 3N, R. 26E, B.M., Butte County.
The water is used to irrigate 55 acres within the E½NE¼, NE¼SE¼, Sec. 11, T. 3N, R. 26E, B.M.

TO BE CHANGED AS FOLLOWS:

The water will be diverted within the NE¼SW¼, SE¼NE¼, NE¼SE¼, Sec. 11, T. 3N, R. 26E, SW¼SW¼, Sec. 34, T. 4N, R. 26E, B.M.

Any protest against approval of the above proposed change of water right must be filed with the Idaho Department of Water Resources, 150 Shoup, Suite 15, Idaho Falls, ID 83402, on or before August 30, 1984.

A. KENNETH DUNN
Director

Published in the Arco Advertiser, Arco, ID on August 2 and 9, 1984.

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FEB 07 1992

State of Idaho

WATER LICENSE

Water License No. G-33258 Priority September 27, 1966 Amount 0.57 c.f.s.

THIS IS TO CERTIFY, that RALPH S. PARKINSON

of Arco, Idaho, made application for a permit to appropriate the public waters of the State of Idaho, dated September 27, 1966; that Permit G-33258 was issued pursuant to said application; that the proposed works were completed on or about 1966, with a storage or carrying capacity of 0.68 c.f.s., said works consisting of well, pump, motor, and sprinkler system; and that on March 4, 1968, proof was made to the satisfaction of the State Reclamation Engineer, of the beneficial use of 165 acre feet per season, with a maximum rate of diversion of 0.57 cubic feet per second of the waters of ground water, tributary of ____, for the purpose of Irrigation from April 1 to October 31; and for ____ from ____ to ____; and for ____ from ____ to ____; and that the use of said waters has been made in accordance with the laws of Idaho, and is hereby confirmed by the State Reclamation Engineer and entered in the records of the Idaho Department of Reclamation the point of diversion is located in SE ¼ NE ¼, Sec. 11, T. 3 N, R. 26 E, B.M., and other additional points ____, in the County of Butte; and that the amount of water to which such right is entitled and which is hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes and shall not exceed 165 acre feet per year.

Description and location of place of use.

TWP	RANGE	SEC	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
3 N	26 E	11	5			25									25				55

Total number of acres irrigated 55

The right to the use of the water hereby confirmed is restricted to the lands or place of use herein described, as provided by the laws of Idaho.

Witness the seal and signature of the State Reclamation Engineer, affixed at Boise, Idaho, this 16th day of July, 1969.

State Reclamation Engineer

34 21

3325

Form No. 3
Reprint 5M-6-60

Address all communications to:

P. O.

APPLICATION FOR PERMIT

TO APPROPRIATE THE SUBTERRANEAN WATERS OF THE STATE OF IDAHO

Application No. G 41481

Permit No. G 33258

Water District No.

RECEIVED
OCT 10 1966
3:00 P.M.
Department of Reclamation

1. Name of applicant: Ralph S Parkinson

   Post office address Arco, Idaho County Butte State Idaho

2. Quantity of water claimed: 45 inches .9

3. Source of water supply: Subterranean

4. Location of point of diversion or well is in the S.E. ¼ of the N.E. ¼ of Section 11,

   Twp 2 N, Rge 26 E, B.M. County Butte

5. Water is to be used for: Irrigation

6. If for domestic, municipal, industrial or recreational purposes give:

   (a) Point of use of water is in the ____ ¼ of the ____ ¼ of Section ____,

   Twp ____, Rge ____, B.M.

   (b) Waste water or sewage effluent is to be returned to ____

   at a point in the ____ ¼ of the ____ ¼ of Section ____, Twp ____, Rge ____, B.M.

7. Kind of Works: 30 HP Electric pump

8. Estimated cost of works: $ #3,000.00

9. (a) Is reservoir to be used? no reservoir

   (b) Capacity of reservoir: —

10. The time required for the completion of such work and complete application of the water to the proposed use is

    5 ← years. completed July 1966

11. If applicant is a corporation, give:

    I. (a) Date and place of incorporation: ____

    (b) Amount of capital stock $ ____ (c) Amount paid in: $ ____

    (d) Names and addresses of directors: ____

NC

33258

(Continued)

II. The financial resources of the applicant are: (a) Cash on hand: $_____

(b) Treasury stock:_____ (c) Bonds to be issued:_____

(d) Other resources:_____

12. The land to be irrigated is described in the following tabulation:

(Give irrigable acreage in each 40-acre subdivision)

Twp.	Range	Sec.	NE¼				NW¼				SW¼				SE¼				Totals
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
3	26	11	5			25									25				55

13. Existing water rights and/or valid permits appurtenant to the lands to be irrigated are:_____

none

(a) _____(Cubic feet per second, inches or gallons per minute) of the water herein applied for is to be supplemental to the existing water rights.

(b) _____(cubic feet per second, inches or gallons per minute) is for new lands.

Remarks:

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.

Ralph L. Parkinson
Applicant

By _____, Agent

Approval of State Reclamation Engineer

The number of this permit is G 33258

Recorded in Book 116 Page 33258 Approved OCT 17 1966

This is to certify that I have examined the within application for a permit to appropriate the public waters of the State of Idaho, and hereby approve the same, subject to the following limitations and conditions:

Bond in the sum of $_____ to be filed before _____

One-fifth of the work above specified to be completed on or before April 17, 1969
The whole of said work to be completed and beneficial use of water appropriated in accordance herewith, to be made on or before October 17, 1971

Witness my hand this 17th day of October, 19 66

R. Keith Higginson
State Reclamation Engineer

IN TESTIMONY WHEREOF, We ROBERT E. SMYLIE, Governor of the State of Idaho, and LOUIS E. CLAPP, Secretary of State of the State of Idaho, have caused this instrument to be executed in the name of the State of Idaho, and caused the Great Seal of the State of Idaho to be hereunto affixed, this 17th day of October, 19 66

Countersigned:

By Louis E. Clapp
Secretary of State

STATE OF IDAHO

By Robert E. Smylie
Governor.

No. G 33258

PERMIT

Date of first receipt at office of State Reclamation Engineer
September 27, 1966 2:40 P.M.

Returned to applicant for correction

Corrected application received
October 10, 1966 3:00 P.M.

Fees, $ 5.00

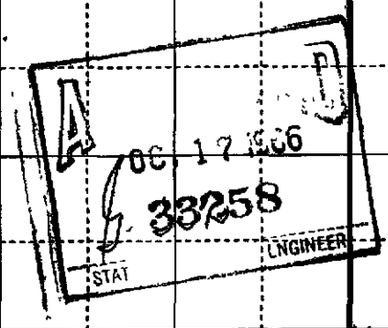
FILING FEES FOR USE PERMIT:

For the first Sec. Ft. $5.00

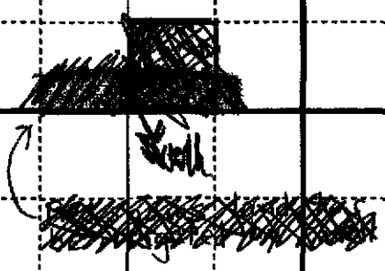
For each additional Sec. Ft. or Fraction Thereof 25

NAME OF APPLICANT Ralph L Parkinson

Form No. 0



~~SE ¼ of the NE ¼~~
~~Sec 11 T 3 N, R 26 E. B.M.~~



R 26 E.

T 3 N

SE¼ of NE¼ Sec 11, T 3 N, R 26 EBM



Red shows land to be irrigated

SCALE: 2 Inches Equal 1 Mile. Draw Plan in Ink.

33258

WELL HEARING NOVEMBER 1, 1995

PARKINSON & I.D.W.R. -- VERSUS LOWER BIG LOST RIVER RESIDENTS

This hearing is a continuance of the failed policies of I.D.W.R. that have turned Lower Big Lost River and its Tributaries into an Ecological Disaster.

It continues a flawed policy that continues to pit neighbor against neighbor, church member against church member, city against city, business against business and even rural citizens against urban citizens, in which threats and confutations are a daily event.

In the past, these hearings have been nothing more than S.O.P. (STANDARD OPERATING PROCEDURE), before I.D.W.R. puts their rubber stamp an all applications that continue the Plundering of Lower Big Lost River Valley Drainage System.

I.D.W.R. must admit that you cannot transfer water from one area to another without injury to someone or something. Lower Big Lost River is living evidence of these failed policies. (MY PROPERTY HAS BEEN TURNED INTO A WASTELAND -- NOTHING MORE THAN AN ENVIRONMENTAL GHETTO!) -- I.D.W.R. & B.L.R.I.D. (BIG LOST RIVER IRRIGATION DISTRICT) -- AS WELL AS THOSE THAT TAKE ADVANTAGE OF OUR UN-ENFORCED WATER LAWS ARE RESPONSIBLE.

If any permits in the future are approved for wells they should be installed at the point of use on the landowner's property. The wells that have been sucking our Valley dry -- which I.D.W.R. gave a blank check to *should be* ***phased out!***

The I.D.W.R. (IDAHO DEPARTMENT OF WATER RESOURCES) policy of Thou Shall Not Steal from your neighbor until we give you a permit must be stopped!

It took dynamite in the 1930s, to put a stop to the plundering of Big Lost River -- and yet in its lack of even common sense -- let alone Constitutional Law -- I.D.W.R. has let the same thing happen again. Even our past Governor and our Legislative Law-makers keep changing the laws to protect these past nefarious activities that holds Lower Lost River Drainage System in Bondage to a few that would destroy our Valley *for self enhancement.*

THIS IS NOTHING MORE THAN GALLOPING INSANITY -- SENSELESSNESS RUNNING AT FULL SPEED!

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EXHIBIT
Applc. # 1

BEFORE THE DIRECTOR OF THE
IDAHO DEPARTMENT OF WATER RESOURCES

In the Matter of the Administration of the Use of the Surface and Ground Waters of the Big Lost River Basin, Water District 34	)	FINAL ORDER

On May 7, 1990 the Director of the Department of Water Resources issued a Notice and Proposed Order in the matter of the administration of the use of the surface and ground waters of the Big Lost River Basin. A hearing concerning the Proposed Order was held at Mackay, Idaho, May 30, 1990. Some 106 persons signed the hearing register and of these five made oral statements. Subsequently, written statements were received from six persons.

The Director now finds and determines as follows:

FINDINGS AND CONCLUSIONS

1) The Big Lost River basin is located in central Idaho in parts of Butte and Custer Counties. The principal communities within the basin are Arco at the southern end of the basin and Mackay located near the basin center. The Big Lost River is the principal stream. Major tributary streams include Antelope Creek, Lower Cedar Creek, Pass Creek and Alder Creek although water from some of these does not reach the Big Lost River at all times each year.

2) The name, "Big Lost River" properly describes this unusual water system. During the course of its travel from the mountain watershed to the place of discharge onto the Snake Plain the water of the river sinks then rises again at several locations. The result is a closely interconnected surface and ground water system within the basin. These surface and ground waters are, for the most part, one single water source. Diversion and consumptive use of water, whether from a surface diversion or from a well, decreases the total water supply available and can have an effect on other uses of the resource

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3) Where water was available in the surface streams, it was used early in the settlement of the basin. As a result water rights were established to the use of surface water for the irrigation of some 23,000 acres of land with priorities generally from 1880 to 1900. In low streamflow periods, the holders of these rights divert and use the entire available water supply of the river. However, during most years, only the very earliest priority surface water rights are able to receive water throughout the entire irrigation season.

4) The Mackay dam and reservoir was originally constructed in 1917-1918. It currently has an active storage capacity of 44,370 acre feet and is operated by the Big Lost River Irrigation District under water right priorities of 1905 and 1916.

5) Rights to the use of water pumped from wells within the basin have been established with priorities generally subsequent in time and inferior to the early direct flow and storage surface water rights. Several hundred wells have been drilled within the basin and the water from these is used for domestic, municipal and agricultural purposes, including irrigation and livestock watering. These wells intercept part of the total water supply of the basin and, except as hereafter noted, have an impact on the quantity of water available to those diverting surface water from the Big Lost River and its tributaries. There is only a finite quantity of water within the system and any increase in consumptive use of surface or ground water at one location results in a decrease in the water supply available for use at another location either inside or outside the basin at some later time. Some of these wells have operated for as long as [illegible] years without objection from surface right holders.

6) The flow of the Big Lost River fluctuates widely from year to year. As measured at the USGS gaging station near Arco it has annually totalled as much as 395,900 acre feet in water year 1984 and as little as only 4,900 acre feet in 1988. The gaging station reported zero flow for the entire water year of 1989.

7) A number of studies and estimates have been made of the ground water resources of the basin. An estimate by the U.S. Geological Survey based on data collected in 1968 indicated that the underflow of ground water past Arco in a southerly direction toward the Snake Plain ground water system was in the range of 300,000 acre feet per year

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(425 cfs). This indicates that there was then a substantial resource which had been partially developed and was being used to supplement and augment the widely fluctuating surface water supplies of the basin. There has been considerable development of the ground water since that time and the present quantity of unused ground water exiting from the basin is unknown.

8) Idaho water law provides that "first in time is first in right" (Section 42-106, Idaho Code). The surface water rights in the Big Lost River basin generally have the senior priorities as against those using ground water. Strict adherence to the priority of right system could require that whenever any of the prior surface water rights is unable to receive its full entitlement, all subsequent priority uses, including uses of the interconnected ground water, be curtailed. Such priority system, if strictly enforced would protect the use of the limited surface water supplies of the basin while large quantities of ground water would flow unused out of the basin.

9) Section 42-237a, Idaho Code provides, in part, as follows:

> In connection with his supervision and control of the exercise of ground water rights the director of the department of water resources shall also have the power to determine what areas of the state have a common ground water supply and whenever it is determined that any area has a ground water supply which affects the flow of water in any stream or streams in an organized water district, to incorporate such area in said water district ... The administration of water rights within water districts created or enlarged pursuant to this act shall be carried out in accordance with the provisions of title 42, Idaho Code, as the same have been or may hereafter be amended, except that in the administration of ground water rights either the director of the department of water resources or the watermaster in a water district ... shall, upon determining that there is not sufficient water in a well to fill a particular ground water right therein by order, limit or prohibit further withdrawals of, water under such right as hereinabove provided....

10) Under the provisions cited in paragraph 9 it is possible for the Director to include the rights to the use of ground water which have an effect upon the flow of the Big Lost River within the jurisdiction of the watermaster of Water District 34 (Big Lost River). Before doing so however, the water rights must first be adjudicated as provided in Section 42-604, Idaho Code which reads, in part, as follows:

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> The department of water resources shall divide the state into water districts in such manner that each public stream and its tributaries, or independent source of water supply, shall constitute a water district: ... provided, that this section shall not apply to streams or water supplies whose priorities of appropriation have not been adjudicated by the courts having jurisdiction thereof.

11) The necessity for adjudication of water rights within a proposed combined water district was further emphasized by the Idaho Supreme Court in the case of Nettleton v. Higginson, 98 Idaho 87, 558 P.2d 1048 (1977). Since the ground water rights within the Big Lost River drainage have not been quantified it is necessary to complete an adjudication covering the basin before the rights can be combined within a single district for the purpose of administration by the department or a watermaster.

12) The Big Lost River basin water rights (both surface and ground water) are subject to adjudication in the Snake River Basin General Adjudication of Water Rights currently pending in the District Court of the Fifth Judicial District of Idaho. The Director has determined that the report which is required to be filed with the court under the provisions of Section 42-1411, Idaho Code, covering rights within the Big Lost River sub-basin of the Snake River basin will be the first such report submitted to the court in this matter due to the concerns and conflicts within the area. The Director plans to file this report with the court in 1991. Through this adjudication the water users, the Department and the court can address the legal relationships and priorities of surface and ground water rights within the Big Lost River basin.

13) Section 42-1409(9), Idaho Code, provides that the holders of permits or licenses from the water system within which rights are being adjudicated, and who submit proof of appropriation of water after the date of the commencement of the adjudication may be given notice of the requirement to file an adjudication claim covering such rights. Such notice is required to be furnished at least 120 days prior to the filing of the Director's Report.

14) Section 42-1417, Idaho Code provides for interim administration of water rights at any time after the filing of the Director's report in a water rights adjudication proceeding upon order of the court. An order allowing such administration may be entered

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by the court only upon a) a motion by the director or a claimant in su[illegible]djudication, b) notice to all claimants who could be adversely affected by the order, and c) a determination by the court that interim administration of water rights is reasonably necessary to protect senior water rights.

15) The 1990 session of the Idaho Centennial Legislature appropriated $50,000 to the Department "for the purpose of conducting a water management study for the (Big) Lost Ri[illegible] Basin for the period July 1, 1990, to J[illegible]e 30, 1991." The results of studies conducted using such funding will not be available until some time in 1991. It is not possible at this time to determine whether the studies to be conducted using this funding will provide information needed to resolve all conflicts over use of Big Lost River basin water.

16) As of the date of this order, the Big Lost River drainage basin is in its fourth consecutive season with below-average water supplies. As a result, ground water levels have declined throughout the basin and streamflow has decreased. Information is not currently available to determine the extent to which the operation of specific wells has had an effect upon streamflow and upon ground water levels.

17) There are currently pending before the Department some sixty (60) applications for new permits to divert and use 600 cfs of surface and ground water within the Big Lost River basin for irrigation of approximately 26,000 acres of land. In addition there are 10 outstanding permits for the diversion of 42 cfs of surface and ground water for irrigation of 2,200 acres and for which proof of appropriation of water has not been submitted to the Department. Some of these permits are subject to and are currently undergoing the review provisions of Section 42-20[illegible]D, Idaho Code.

18) Petitions have been filed seeking a [illegible]atorium on the issuance of additional permits and prohibiting further development under existing permits for the diversion and use of ground water within the Big Lost River b[illegible] under the provisions of Section 42-

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1805(7), Idaho Code, which includes among the powers and duties of the Director the following:

> (7) After notice, to suspend the issuance or further action on permits or applications as necessary to protect existing vested water rights or to ensure compliance with the provisions of chapter 2, title 42, Idaho Code ....

19) Petitions have been filed opposing the imposition of a moratorium on the consideration of the pending applications and further development under permits to divert ground water within the basin. Said petitions recommend a cooperative effort among the entire Big Lost River community to formulate a method for utilizing the ground water supplies of the basin while still protecting vested rights.

20) Unless some action is taken at this time, Big Lost River water users may not be able to respond in a timely manner to water administration requirements which may result from the ongoing adjudication and to information obtained through proposed studies.

IT IS THEREFORE, HEREBY ORDERED AS FOLLOWS:

1) The rights to the use of ground water within the Big Lost River drainage basin will be incorporated into Water District 34 and shall become subject to the administrative supervision of the Water District 34 watermaster, upon satisfaction of the following conditions:

a. The Director has filed with the court his report in the Snake River Basin Adjudication pursuant to Section 42-1411, Idaho Code covering all water rights within Water District 34.

b. The court has issued either (1) an order pursuant to Section 42-1417, Idaho Code, permitting interim administration or (2) its final decree of the water rights of the Big Lost River drainage pursuant to Section 42-1412 Idaho Code.

c. The Director's report shall have identified each well the operation and/or use of which, in the opinion of the Director has an effect upon the flow of the Big Lost River upstream from the USGS gaging station near Arco and also identifies each well

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which, in the opinion of the Director, has no such effect.

d. The Director's report shall include findings and recommendations, as appropriate, concerning the relationship between the early priority surface water rights and subsequent ground water rights as to whether certain legal principles apply including, but not limited to adverse possession, equitable estoppel, estoppel by laches, forfeiture, and abandonment.

e. Those ground water rights which the Director's report finds and recommends and the court determines have an effect upon the flow of the Big Lost River and which are subject to the prior rights of the surface water users after consideration of the legal principles affecting the relationship of surface and ground water rights will become part of the Water District 34.

f. The Director's report shall include findings and recommendations concerning all previously adjudicated water rights in the Big Lost River basin which are rebuttably presumed to have been applied to beneficial use under the provisions of Section 42-1416(1), Idaho Code.

g. The Director's report shall include findings and recommendations concerning the validity of rights claimed to have been created as an expansion of a valid (previously) unadjudicated water right under the provisions of Section 42-1416(2), Idaho Code.

h. The Director's report shall include findings and recommendations concerning rights (surface and ground water) claimed to have been changed without having first obtained approval of a required application for change pursuant to Section 42-222, Idaho Code as necessary to satisfy the substantive criteria of said code section for approval of such changes as provided in Section 42-1416A, Idaho Code.

i. The Director shall give notice to the holders of all permits and licenses to appropriate water within the Big Lost River basin and in connection with which proof of appropriation was submitted after the date of the commencement of the Snake River Basin Adjudication of the requirement to file a claim to such permitted or licensed right in the

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adjudication, and such claimed rights shall be evaluated along with all other claimed rights being adjudicated.

2. A moratorium on the consideration and issuance of new permits to appropriate surface and ground water within the Big Lost River drainage is imposed pursuant to the provisions of Section 42-1805(7), Idaho Code. This moratorium shall remain in place until revoked by the Director after the Director's report for the basin is filed with the court in the Snake River Basin Adjudication. This moratorium shall not apply to applications for drilling permits to replace or deepen existing wells nor to applications to transfer existing rights.

3. This order providing for the future combining of ground water rights into Water District 34 and establishing a moratorium on the consideration and issuance of new ground water permits shall not apply to any well used solely for "domestic" purposes as such term is defined by Section 42-111, Idaho Code, as amended by the 1990 Idaho Legislature. An exception will also be considered for any well proposed to be used for municipal purposes.

4. No moratorium is imposed on development under outstanding permits to appropriate water, provided, however, that such permits remain subject to all water law provisions including the requirement for reprocessing under Section 42-203D, Idaho Code. Any risks associated with development under such permits prior to the completion of the reprocessing is borne by the permittees.

5. In lieu of strict administration of affected ground water rights according to water right priority the holders of such rights may propose, either individually or with others similarly situated, a program of compensation or water replacement to assure that the senior water rights in the basin are not affected by the operation of wells which are found in the Director's report to have an effect upon the flow of the Big Lost River upstream from the USGS gaging station near Arco. Such program may include consideration of artificial ground water recharge to mitigate the effects of ground water pumping and to make use of

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the waters which otherwise escape from the basin during periods of high runoff.

ISSUED THIS 7TH DAY OF August, 1990

R. KEITH HIGGINSON
Director

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EXHIBIT
Applic. #2

From Draft Copy as sent to State Reviewing Leg.

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IDAPA 37
TITLE 03
Chapter 12

WATER DISTRIBUTION RULES - WATER DISTRICT 34
Idaho Department of Water Resources

000. LEGAL AUTHORITY (Rule 0). The Idaho Department of Water Resources (IDWR) is authorized under section 42-603, Idaho Code, to adopt rules for the distribution of water from the streams, rivers, lakes, ground water and other natural water sources. (10-26-94)

001. TITLE AND SCOPE (Rule 1). These rules shall be cited in full as "Idaho Department of Water Resources Water Distribution Rules - Water District 34." This chapter contains the rules which shall govern the distribution of surface and ground water within Water District 34, the Big Lost River Basin, by the duly appointed watermaster pursuant to the provisions of Chapter 6, Title 42, Idaho Code, and applicable court decrees. This chapter shall not be construed to limit the authority of the Director of the Idaho Department of Water Resources in exercising the duties and responsibilities of the director or the department under other provisions of Idaho law. (10-26-94)

002. WRITTEN INTERPRETATIONS (Rule 2). In accordance with section 67-5201(16)(b)(iv), Idaho Code, this agency does not have written statements which pertain to the interpretation of the rules of this chapter, or to the documentation of compliance with the rules of this chapter. (10-26-94)

003. ADMINISTRATIVE APPEALS (Rule 3). Appeals of actions and determinations by the director pursuant to the rules of this chapter may be taken in compliance with section 42-1701A, Idaho Code, and the department's Rules of Procedure, IDAPA 37, Title 01, Chapter 01. (10-26-94)

004. SEVERABILITY (Rule 4). The rules governing this chapter are severable. If any rule, or part thereof, or the application of such rule to any person or circumstance is declared invalid, that invalidity does not affect the validity of any remaining portion of this chapter. (10-26-94)

005. - - 009. (RESERVED) (10-26-94)

010. DEFINITIONS (Rule 10). For the purposes of these rules, the following terms will be used as defined below. (10-26-94)

01. 2-B Gage. The U.S. Geological Survey gaging station located below

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Mackay Dam in the SW1/4SW1/4NE1/4, Section 18, Township 7 North, Range 24 East, B.M. (10-26-94)

02. Acre-foot (AF). The unit commonly used to measure a volume of water which is equal to the amount of water to cover one (1) acre of land one (1) foot deep and is equal to forty-three thousand five hundred sixty (43,560) cubic feet or three hundred twenty-five thousand eight hundred fifty-one (325,851) gallons. (10-26-94)

03. Acre-foot per year (AFY). Acre foot per calendar year. (10-26-94)

04. Arco Gage. The U.S. Geological Survey gaging station located near the town of Arco in the SW1/4SE1/4SW1/4, Section 17, Township 3 North, Range 27 East, B.M. (10-26-94)

05. Conjunctive Administration. When two (2) or more water sources are to be administered as a single water system, diversion pursuant to junior rights from one water source shall be regulated as provided by these rules to provide water to senior rights from the other water source. (10-26-94)

06. Cubic Foot per Second (CFS). The unit used to express a rate of flow of water equal to fifty (50) miner's inches or about four hundred forty-eight and eight tenths (448.8) gallons per minute. (10-26-94)

07. Delivery Call. A request from the holder of a water right for administration of water rights under the prior appropriation doctrine. (10-26-94)

08. Director. The Director of the Idaho Department of Water Resources (IDWR) or the director's duly authorized designee. (10-26-94)

09. Eastside Canal. The Eastside Canal diverts from the east side of the Big Lost River in the NW1/4SE1/4SE1/4, Section 4, Township 5 North, Range 26 East, B.M. and extends southerly to the point it discharges back into the Big Lost River in the NW1/4NW1/4NW1/4, Section 26, Township 4 North, Range 26 East, B.M. (10-26-94)

10. Holder of a Water Right. The legal owner or user pursuant to lease or contract of a right to divert or to protect in place surface or ground water of the state for a beneficial use or purpose. (10-26-94)

11. Howell Gage. The U.S. Geological Survey gaging station located above Mackay Reservoir in the SE1/4NE1/4NW1/4, Section 30, Township 8 North, Range 21 East, B.M. (10-26-94)

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12. Rotation Credit. Water impounded in Mackay Reservoir pursuant to a water right whose source of water is the Big Lost River and which does not include storage as a purpose of use. The impoundment of water as rotation credit is described in Rule 40.02. (10-26-94)

13. Small Domestic and Stock Water Uses. Water uses meeting the definition of section 42-111 or section 42-1401A(12), Idaho Code. (10-26-94)

14. SRBA. The Snake River Basin Adjudication of water rights is Civil Case No. 39576 filed in the Fifth Judicial District Court of the State of Idaho in and for Twin Falls County on June 17, 1987 entitled In Re the General Adjudication of Rights to the Use of Water from the Snake River Basin Water System, which was commenced pursuant to section 42-1406A, Idaho Code (1987). (10-26-94)

15. Storage Water. Water impounded in a storage facility, including Mackay Reservoir, pursuant to a water right which includes storage as a purpose of use. (10-26-94)

16. Watermaster. The duly elected and appointed state watermaster of Water District 34 who is authorized to perform duties pursuant to Chapters 6 and 8, Title 42, Idaho Code, and the decree, or order for interim administration, of water rights for Basin 34 . (10-26-94)

015. - - 019. (RESERVED) (10-26-94)

020. ADMINISTRATION OF SURFACE WATERS WITHIN BASIN 34 (Rule 20). All surface waters of the Big Lost River and its tributaries shall be administered as a single water system, except as provided in Rules 20.01 through 20.04. (10-26-94)

01. Connected River. During the period May 1 through October 15 of each year, from the time the flow at the Howell Gage increases to or exceeds a flow of seven hundred fifty (750) CFS, until the time when the flow recedes to a flow of three hundred (300) CFS or less, all surface waters of the Big Lost River and its tributaries, except as listed in Rules 20.02 and 20.04, shall be administered as a single water source. At all other times natural flow surface water rights (other than water rights for storage purposes) with a point of diversion upstream from Mackay Reservoir shall be administered separately from the natural flow surface water rights with a point of diversion downstream from Mackay Reservoir. This provision is made under conditions existing as of the commencement of the SRBA (including diversions above the Howell Gage); if diversions are made from the Big Lost River or its tributaries above the Howell Gage pursuant to rights not existing as of the commencement of the SRBA, then the amounts diverted will be added to the amount of the flow at the

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Howell Gage for the purposes of applying this rule. (10-26-94)

02. Separate Surface Water Sources. The surface waters of the following streams have been administered as separate water sources pursuant to the Utah Construction v. Abbott Decree, Equity No. 222 (1925) and shall continue to be administered as separate from the surface waters of the Big Lost River pursuant to these rules: Rock Springs Creek, Rock Creek, Beda Creek, Corral Creek, Sage Creek, Upper Cedar Creek, Lower Cedar Creek, Dry Creek (also known as Cedar Creek), Pete Creek, Willow Creek, Pinto Creek, Lehman Creek, Vance Creek (also known as Elkhorn Creek), Grant Creek and Hamilton Creek. (10-26-94)

03. The Back Channel. The Back Channel, which separates from the main channel of the Big Lost River in the NE1/4NE1/4, Section 5, Township 8 North, Range 22 East, B.M., shall be administered as part of the natural channel of the Big Lost River. (10-26-94)

a. When the flow at the Howell Gage is less than one thousand four hundred (1,400) CFS, the flow in the Back Channel shall be kept as near as practicable to one hundred fifty (150) CFS as determined by the director, but shall not exceed that amount. It is the responsibility of the appropriators diverting from the Back Channel to adjust the flows into the Back Channel when so instructed by the watermaster to comply with this rule. (10-26-94)

b. When the flow of the Howell Gage is at or exceeds one thousand four hundred (1,400) CFS, the flow in the Back Channel shall be kept as near as practicable to two hundred (200) CFS as determined by the director. The flow shall not exceed that amount unless all surface water rights existing at the time of administration (including water rights with a junior priority), and that are within their period of use, are satisfied. It is the responsibility of the appropriators diverting from the Back Channel to adjust the flows into the Back Channel when so instructed by the watermaster to comply with this rule. (10-26-94)

c. These provisions shall not be considered to enlarge the amount of water to which appropriators diverting from the Back Channel are entitled. (10-26-94)

d. The water users of Water District 34 may by resolution duly adopted at an annual meeting of Water District 34 determine that a measuring device and control works are to be installed at the head of the Back Channel. In this event, the costs of installation and maintenance shall be borne by the water users of Water District 34 as costs of the

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water district in the manner prescribed by statute. The measuring device and control works shall be of a type approved by the director, and must be approved prior to installation. This rule does not relieve or waive any requirement to comply with federal, state or local requirements for building and operating the structure. (10-26-94)

04. Futile Call for the Delivery of Surface Water. When curtailment of junior upstream surface water rights will not make water available for delivery and use to senior downstream surface water rights, without unreasonable waste as determined by the director, the watermaster will not curtail the junior water rights in a futile effort to deliver water to the senior rights. The director may consult the Water District 34 advisory board, the Big Lost River Irrigation District and other impacted water users when determining whether attempting to deliver senior downstream surface water rights would be futile. (10-26-94)

021. - - 024. (RESERVED) (10-26-94)

025. RIVER REACHES (Rule 25). (10-26-94)

01. Divisions of the Big Lost River. For the purposes of quantifying river gains, losses, and calculating and accounting for natural flow, but not for determining when the river is connected as described in Rule 20.01, the Big Lost River shall be divided into the reaches identified below. Reference to a specific river reach will be by the name of the downstream station or terminus point. (10-26-94)

a. Above Howell Gage. (10-26-94)

b. Howell Gage to Chilly Bridge located in the NW1/4NE1/4NW1/4, Section 5, Township 8 North, Range 22 East, B.M. (10-26-94)

c. Chilly Bridge to the 2-B Gage. (10-26-94)

d. 2-B Gage to Leslie Gage located in the NW1/4SW1/4SE1/4, Section 10, Township 6 North, Range 25 East, B.M. , (10-26-94)

e. Leslie Gage to Moore diversion located in the NW1/4SE1/4SE1/4, Section 4, Township 5 North, Range 26 East, B.M. (10-26-94)

f. Moore diversion to Arco diversion located in the NW1/4NW1/4NW1/4, Section 26, Township 4 North, Range 26 East, B.M. (10-26-94)

g. Below Arco diversion to the Arco Gage. (10-26-94)

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02. River Reach Computations. For each reach of the river the natural flow will be computed as the natural flow entering the reach plus gains entering the reach minus losses from the reach. The natural flow thus calculated will be allocated as described in Rule 40. (10-26-94)

03. Gage Station or Other Flow Measuring Facility. A gage station or other flow measuring facility, as approved by the director, shall be located at the Howell Gage, Chilly Bridge, 2-B Gage, Leslie Gage, Moore diversion, Arco diversion and Arco Gage. The Howell, 2-B and Arco gages shall be maintained as part of the USGS Cooperative Program, or equivalent measurement program, and operated continuously. Water District 34 shall continue to contribute to the maintenance and operation of these gage sites in the same proportion as is currently contributed. All other gages shall be operated when water diversions, other than solely storage in Mackay Reservoir, are being made from the river. The cost of installation, operation and maintenance of these other measuring facilities is the responsibility of Water District 34. (10-26-94)

026. - - 029. (RESERVED) (10-26-94)

030. NATURAL FLOWS (Rule 30). Natural flow shall be delivered through the natural river channel to the point of diversion of record except as provided in these rules. (10-26-94)

01. Eastside Canal. The watermaster, with the approval of the director and after consultation with the Big Lost River Irrigation District, may elect to deliver the natural flow of the river through the Eastside Canal when the following conditions are met: (10-26-94)

a. The full flow of the river, including impounded water, to be delivered downstream of the Moore diversion is not greater than the capacity of the Eastside Canal. (10-26-94)

b. More natural flow water can be delivered to calls for natural flow than could be delivered by using the natural river channel. (10-26-94)

c. No water right is injured. (10-26-94)

d. Measuring devices of a type acceptable to the director are installed and maintained where the flow leaves the river channel and where it returns to the river channel. (10-26-94)

e. When used for the delivery of natural flow to the Arco diversion, the Eastside Canal is considered to be the river channel for water

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delivery accounting purposes and the watermaster shall protect the natural flow for delivery to prior water rights. Water rights diverting water from the river channel downstream from the point the Eastside Canal returns to the river channel shall be measured at their point of diversion from the river downstream from the Eastside Canal return. (10-26-94)

f. Conveyance losses in the Eastside Canal, when considered to be the river channel, shall be proportioned between the river flow, the diversions from the Eastside and pumps that inject ground water into the Eastside Canal. The proportioning will be based upon the ratio of total Eastside diversions and injected ground water to the total inflow to the canal. (10-26-94)

02. Alternate Point of Diversion. The watermaster may elect, with the approval of the director, to deliver natural flow water rights to the alternate point of diversion described in a. below when conditions b. through f. below are met: (10-26-94)

a. This rule may be used to deliver water rights through the Munsey diversion located in the NW1/4NW1/4NW1/4, Section 26, Township 4 North, Range 26 East, B.M. as an alternate point of diversion for water rights with a recorded point of diversion at the McLaughlin diversion located in the NE1/4NW1/4SE1/4, Section 12, Township 3 North, Range 26 East, B.M. (10-26-94)

b. The additional delivery losses through the natural channel to the recorded point of diversion for a water right prevents delivery of natural flow to one (1) or more other water rights then calling for water. (10-26-94)

c. The user receives the same amount of water at the field headgate from the natural flow water right that would be delivered to the field headgate had the natural flow right been delivered at the recorded point of diversion. (10-26-94)

d. Delivery of the water right at the alternate point of diversion is limited to the period of time the water right could have been delivered to the recorded point of diversion based upon the natural flow available at any time delivery is called for and the loss of the river channel at the time the alternate point of diversion began to be used for the delivery of this water right. (10-26-94)

e. No water right is injured by the use of the alternate point of

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diversion. (10-26-94)

f. The owner of the diversion works at the alternate point of diversion and the ditch(es) used to deliver the water to the field headgate from the alternate point of diversion concurs in the use of those facilities. (10-26-94)

031. - - 034. (RESERVED) (10-26-94)

035. MEASURING DEVICES AND CONTROL WORKS (Rule 35). - (10-26-94)

01. Installation and Maintenance of Measuring Devices and Control Works. In addition to measuring devices or control works specifically described in the listing of the water right, each water user, except small domestic and stock water users from ground water, shall, at the water user's expense, install and maintain measuring devices and control works of a type acceptable to the director, at all points of diversion and any other points, as determined necessary by the director for the proper administration of the use of water. The director may prohibit or prevent the diversion of water by a water user who refuses or fails to comply with this rule in accordance with the provisions of Chapter 7, Title 42, Idaho Code. (10-26-94)

02. Measuring Ground Water Diversions. All ground water diversions, excluding small domestic and stock water diversions, shall be measured by one of the following methods. Any ground water diversion requiring an instantaneous flow measurement as described in Rule 35.02.a. or for checking of an in-line flow meter as described in Rule 35.02.b. which is not properly configured to permit an accurate measurement must comply with Rules 35.03.a through 35.03.c. (10-26-94)

a. Instantaneous flow rate will be measured by the water district utilizing a polysonic flow meter or other means of measuring instantaneous flow acceptable to the director. Annual volume will be determined by electrical power consumption records which the water user must release from the electrical energy provider to the watermaster. (10-26-94)

b. Where an in-line flow meter with totalizing capabilities is installed, the meter will be periodically checked for accuracy by the water district staff. (10-26-94)

c. An open channel measuring device of a type and installed in a location acceptable to the director will be read and recorded daily by water district staff. (10-26-94)

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03. System Configuration for Accurate Measurements. All ground water diversions, excluding small domestic and stock water uses, shall configure their diversion systems so that accurate measurement can be accomplished. The polysonic flow meter requires a straight and uniform section of pipe which is free from obstructions, valves and couplings for a minimum distance of ten (10) pipe diameters upstream from the measurement site and five (5) pipe diameters downstream from the measurement site. If a pump is nearby up to thirty (30) pipe diameters of a straight uniform pipe section may be required upstream from the measurement site. (10-26-94)

a. If an accurate measurement of a ground water diversion can not be accomplished, the water user shall be required to provide, at the water user's expense, an annual determination of the system capacity certified by a qualified engineer licensed in the State of Idaho. The certification shall include the relationship which can be used, under conditions at the time of the certification, to relate the volume of water pumped to the electrical energy used by the pump. (10-26-94)

b. If the certified system capacity exceeds the diversion rate of the water right for the ground water use, the water user shall, at the water user's expense, modify the diversion to limit the system capacity to no more than the diversion rate of the water right and shall have the capacity and power usage of the system, as modified, recertified by a qualified engineer licensed in the State of Idaho. (10-26-94)

c. For purposes of these rules, at all times when water is being diverted from a diversion that is required to have the diversion capacity certified under this rule, the diversion rate will be assumed to be the system capacity. The annual volume of water pumped will be determined by the power consumption records, which the water user must release from the electrical energy provider to the watermaster, and the power usage relationship included with the system capacity certification. (10-26-94)

04. Access to Diversion Works. Water users shall provide the water district staff continual access to all diversion works, measuring devices and control structures, except ground water diversions for small domestic and stock water uses. (10-26-94)

05. Diversions Which May Be Exempt. Diversions below the Chilly Bridge and above the Mackay Reservoir that divert water from the Big Lost River, whose place of use is within the flood plain of the Big Lost River as determined by the director, may be exempt from the requirement for measuring devices and control works with the approval of the director. Flow rates through exempt

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diversions will be estimated by the watermaster for accounting purposes by assuming the recorded flow rate of the water right is being diverted. (10-26-94)

06. Good Cause for Exemption. The director may exempt water users from the requirement to install measuring devices and or control works for good cause shown. Good cause will include diversions which can not be measured or controlled due to flooding conditions at the diversion for a significant portion of the year when water is available for diversion so as to render a measuring device or control works impractical. (10-26-94)

07. Measuring Devices and Control Works - Water Conveyance Entities. Irrigation districts, canal companies and other water conveyance entities diverting from any natural channel through which natural flow is being carried shall install and maintain measuring devices and control works of a type acceptable to the director at their point(s) of diversion. Measuring devices and control works thus installed and maintained will replace the requirement of individual measuring devices and control works at these locations for each water user. (10-26-94)

036. - - 039. (RESERVED) (10-26-94)

040. ALLOCATION OF NATURAL FLOW (Rule 40). (10-26-94)

01. Administration of Surface Water Rights. Administration of surface water rights is based upon the list of water rights approved for interim administration by the court or as subsequently decreed by the court in the SRBA. Water not diverted or rotated for credit is available for the next in time water right. Natural flow rights are delivered to the point of diversion with no conveyance loss assessment. A natural flow water right delivered through a lateral or canal of a water conveyance entity shall be assessed the conveyance loss for the canal through which the water right is delivered. (10-26-94)

a. All natural flow will be allocated based upon a four (4) day moving average of the natural flow computed by the watermaster. (10-26-94)

b. All water deliveries must be called for by the water user at least forty eight (48) hours in advance of the actual water delivery. Water which can be delivered by the watermaster in less than forty eight (48) hours may be used by the water user. (10-26-94)

c. The water user must notify the watermaster of the water users intent to use water as required by Rule 40.05. (10-26-94)

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02. Rotation Credit. Water rights that do not include storage as a purpose of use may not be stored. Water rights whose source is Big Lost River with their point of diversion below the Mackay Dam may, however, be rotated for credit when such practice improves the efficiency of water use as contemplated by the Big Lost River Irrigation District's plan of operation subject to the following conditions: (10-26-94)

a. Rotation for credit must be approved by the director as provided by these rules. (10-26-94)

b. Rotation for credit must be pursuant to the Big Lost River Irrigation District's approved plan of operation. (10-26-94)

c. Any water credited under such a rotation, if not used in the same irrigation season in which it is credited, shall become storage water of the Big Lost River Irrigation District at the end of the irrigation season. (10-26-94)

d. Rotation for credit cannot occur prior to the need for irrigation water on the land, as determined pursuant to these rules, in any year. (10-26-94)

i. Natural flow must be available at the river headgate point of diversion for the water right requesting rotation credit. (10-26-94)

ii. The water user must have operable delivery and use facilities and an actual need for the water on the land in the year rotation is sought. (10-26-94)

iii. If natural flow can not be delivered to a point of diversion at the beginning of the irrigation season and the watermaster determines rotation credit is needed to make possible the delivery of water rights being called for, and there is room in Mackay Reservoir for rotation credit, the watermaster may rotate natural flow rights, which would not otherwise be deliverable to their point of diversion, for credit of up to a combined total of three thousand five hundred (3,500) AF to be released from the reservoir under the control of the watermaster to make natural flow rights deliverable to their point of diversion. The watermaster may use storage water to assist the delivery of natural flow water rights at the beginning of the irrigation season when requested to do so by the storage holder. (10-26-94)

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e. Water rotated for credit may only be used on the land to which the water right being rotated is appurtenant (water rotated for credit may not be marketed) except under the provisions of section 42-222A, Idaho Code. (10-26-94)

f. If the reservoir fills after rotation has begun in any year, (or would have filled except for flood operations) and the natural flow is sufficient to allow diversion of water by 1905 or junior water rights while the reservoir is full, all rotation credits accrued at that time are lost and all water in Mackay Reservoir at that time becomes storage water of the Big Lost River Irrigation District for reallocation. For purposes of this rule Mackay Reservoir will be considered full when the elevation of the water in the reservoir reaches or exceeds a four (4) day average of six thousand sixty-six and twelve one hundredths (6,066.12) feet MSL (spillway crest). Rotation for credit stops at the time Mackay Reservoir fills, and while it remains full, but if the natural flow does not increase sufficiently to allow 1905 or junior water rights to divert after the reservoir fills the rotation credit in the reservoir shall remain the credit of the water user(s) who accrued the rotation credit. (10-26-94)

g. Water rights being rotated must be identified to the watermaster as being rotated into Mackay Reservoir. Water rights identified as such will have the Mackay Reservoir as the temporary point of diversion during the time rotation is occurring. (10-26-94)

h. The rate of diversion for a water right being rotated for credit combined with other water rights for the same place of use being diverted at the same time cannot exceed the combined diversion limit specified in the listing of water rights. This rule does not limit the rate at which rotation credit, once impounded, can be used. (10-26-94)

03. Assessment of Evaporation and Conveyance Losses to Impounded Water. (10-26-94)

a. Evaporation losses from Mackay Reservoir shall be estimated daily by the watermaster by applying correlated evapotranspiration data from the Aberdeen hydromet station to the Mackay Reservoir and shall be assessed to all impounded water. (10-26-94)

b. Conveyance losses in the natural channel shall be proportioned by the watermaster between natural flow and impounded water. The proportioning shall be done on a river reach basis. Impounded water flowing through a river reach that does not have a conveyance loss will not be assessed a loss for that reach. Impounded water flowing through

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any river reach that does have a conveyance loss will be assessed the proportionate share of the loss for each losing reach through which the impounded water flows. To avoid an iterative accounting procedure, impounded water conveyance loss from the previous day shall be assessed on the current day. (10-26-94)

i. An exception is made for impounded water delivered through the Beck and Evan diversion located in the SW1/4SE1/4SW1/4, Section 11, Township 6 North, Range 25 East, B.M. Conveyance loss for this impounded water will be assessed the conveyance loss of the Leslie reach, if any, and the additional conveyance loss to the Beck and Evan diversion but not the conveyance loss of the entire Moore reach. (10-26-94)

04. Initiation and Duration of Surface Water Allocation for Irrigation. Any time after May 1 an irrigation water user can make a delivery call on the natural flow if the water user can make beneficial use of the water for irrigation. If sufficient natural flow exists to deliver the called for water right in a useable amount to the water users place of use, the watermaster shall deliver the right. In addition, the director may allow the diversion of rights or portions of rights for irrigation use from the Big Lost River as early as April 20 and as late as October 31, and from surface water tributaries to the Big Lost River either before or after the period of use for irrigation described in the water right where: (10-26-94)

a. The water so diverted is applied to a beneficial use resulting in an immediate benefit to growing plants or is necessary to allow performance of an agricultural practice generally accepted in the community, as determined by the director. (10-26-94)

b. All surface water rights, regardless of priority, unless subordinated to the water right or class of rights being called for, (now existing or developed subsequent to these rules), existing at the time of diversion that are within their period of use can be satisfied. (10-26-94)

c. The diversion and use of the water does not conflict with the public interest as determined by the director. (10-26-94)

05. Notice to Initiate Delivery. Water users must initiate delivery of their water right(s) by notifying the watermaster that they are ready to put water to beneficial use. (10-26-94)

06. Diversion of Additional Flows. The director may allow the diversion of surface water in addition to the quantity of surface water described in a water

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right for irrigation use to be diverted for irrigation of the described place of use where: (10-26-94)

a. The waters so diverted are applied to a beneficial use, as determined by the director. (10-26-94)

b. All surface water rights, regardless of priority, unless subordinated to the water right or class of water rights being called for, (now existing or developed subsequent to these rules), existing at the time of diversion that are within their period of use can be satisfied. (10-26-94)

c. The diversion and use of the water does not conflict with the public interest as determined by the director. (10-26-94)

d. Additional flows diverted pursuant to Rule 40.06 are natural flows and will not be assessed as impounded water. (10-26-94)

07. Mackay Dam Minimum By-Pass. Mackay Dam and Reservoir shall be operated to maintain a minimum flow of fifty (50) CFS at the 2-B gage. (10-26-94)

08. Canal or Lateral Delivery. In the event a water user feels inappropriate delivery of natural flow water is occurring on any lateral or canal, the water user can request the watermaster to investigate. In the event the watermaster determines that delivery of natural flow water rights within a lateral or canal is being improperly conducted he shall: (10-26-94)

a. Notify the ditch rider and the water delivery entity of the results of his investigation and coordinate efforts to make proper delivery of the natural flow. (10-26-94)

b. If the situation has not been sufficiently resolved within twenty four (24) hours the watermaster will notify the director who may take all actions authorized by law to remedy the situation. (10-26-94)

041. - - 044. (RESERVED) (10-26-94)

045. ADMINISTRATION OF GROUND WATER RIGHTS (Rule 45). Administration of ground water rights is based upon the list of water rights approved for interim administration by the court or as subsequently decreed by the court in the SRBA. Should curtailment of ground water rights become necessary to protect a senior ground water right(s), administration will be based upon reasonable pumping levels and the prior appropriation doctrine as required by law. (10-26-94)

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046. - - 049. (RESERVED) (10-26-94)

050. CONJUNCTIVE ADMINISTRATION OF GROUND AND SURFACE WATER RIGHTS (Rule 50). (10-26-94)

01. Conjunctive Administration - Exceptions. All ground water rights shall be administered conjunctively as part of the Big Lost River and tributaries unless the ground water user can show to the satisfaction of the director, that due to well construction or location, the diversion of ground water from a particular point of diversion does not reduce the flow of the Big Lost River above the last (most downstream) diversion from the Big Lost River. An exception to conjunctive administration in Water District 34 exists for those ground water rights in the list of water rights containing a remark noting that the right will be administered as separate from the Big Lost River and its tributaries. (10-26-94)

02. Water Rights Not Subject To Administration. Small domestic and stock water rights from ground water are not subject to administration at this time; however, these rights may be made subject to administration in the future to provide water to senior water rights from the water system. (10-26-94)

03. General Rule. Data currently available to IDWR shows ground water rights that are to be administered conjunctively with surface water deplete the flows of the Big Lost River downstream from Mackay Dam. Surface water users with water rights from the Big Lost River with points of diversion downstream from Mackay Dam are not required to seek curtailment of or mitigation by junior ground water rights and may develop water rights to supplement their Big Lost River water rights as provided by law. (10-26-94)

04. Mitigation/Augmentation. Water users with water rights whose source is Big Lost River with their point of diversion downstream from Mackay Dam who seek to have the water supply for their water right augmented to provide for their water right the water supply that would have been available for diversion absent the diversion of ground water under junior water rights shall request mitigation pursuant to this rule. Water users who seek such mitigation from ground water users must notify the watermaster at the time those water users make their initial request to the watermaster for delivery of their water right of their desire for mitigation. Mitigation of the effects of ground water diversion, when requested, will occur as more fully described below. . (10-26-94) .

a. Mitigation will not occur prior to May 1 or after October 15 of any year. (10-26-94)

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b. Mitigation will be available to water rights with 1905 and earlier priority dates. (10-26-94)

c. Water rights will be eligible to receive mitigation through augmented natural flow water supply based upon a river depletion due to ground water diversions currently estimated to be thirteen percent (13%) of the average annual diversion from wells subject to conjunctive administration currently estimated to be forty-seven thousand (47,000) AFY or a depletion of six thousand one hundred ten (6,110) AFY. The estimated percentage of depletion and annual volume of diversion from wells will be reviewed annually by the director and modified as data becomes available to refine these estimates. Any revised estimate of depletion or annual diversion shall be presented to the water users at the annual meeting of Water District 34 prior to adoption of the values by order of the director. (10-26-94)

i. Natural flow will be assumed to be augmented by one third (1/3) of the depletion during the first one half (1/2) of the period of time that any 1905 or earlier water right being called for can not be filled by the natural flow through October 15 of each year. Natural flow will be assumed to be augmented by two thirds (2/3) of the depletion during the second one half (1/2) of this period each year. (10-26-94)

ii. Water users who have requested mitigation and who have water rights being called for that could be filled by augmentation described in Rule 50.04.c.i shall be provided with water by augmenting the natural flow to the extent of their water right or the amount of water described in Rule 50.04.c.i, whichever is less. (10-26-94)

iii. Augmentation of natural flow for purposes of mitigation may be accomplished by making additional water available for diversion from the Big Lost River, including increased river flows resulting from recharge efforts approved by the director, or by adding water to canals or laterals. (10-26-94)

iv. In any year in which the ground water users believe the annual diversion from ground water for the year will be significantly less than the estimated annual diversion from ground water described above, the ground water users may present their evidence of the anticipated diversions to the director by May 1 of the year along with a request to modify the estimated annual diversion for the year. Upon a determination by the director,

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based upon the information presented by the ground water users, that the annual diversion from ground water for the year being considered will be less than the annual average, the director will set an estimated ground water diversion for the year to be used for conjunctive administration as described in this rule. (10-26-94)

d. Water District 34 is authorized to acquire, through the watermaster, water supplies necessary to augment natural flow for mitigation purposes as described in this rule. The watermaster will add the cost of acquiring the mitigation water to the annual assessment of ground water users subject to conjunctive administration, who do not provide separate augmentation pursuant to Rule 050.04.c.iii or separate mitigation pursuant to a plan approved as provided by rule 050.04.e, in the same proportion as each ground water user is assessed for the costs of the water district relative to all other ground water users. Ground water users who fail to pay the assessed costs for acquiring mitigation water shall be penalized in the same manner as any other water user failing to pay any water district assessment. (10-26-94)

e. Junior ground water users may submit an alternative mitigation plan(s), which identifies actions and measures to prevent or compensate for impacts of diversions by the junior ground water users, to the director for consideration pursuant to Rule 43 of the Rules for Conjunctive Management of Surface and Ground Water Resources, IDAPA 37, Title 03, Chapter 11. (10-26-94)

05. Direct Interference. This rule does not prevent a senior surface water user from seeking curtailment and/or damages from a junior ground water user when the senior surface water user can show direct identifiable impact on the water supply for the senior water right as a result of the diversion of water pursuant to the junior ground water right. (10-26-94)

051. - - 054. (RESERVED) (10-26-94)

055. WATER USAGE (Rule 55). (10-26-94)

01. Firefighting Purposes. (10-26-94)

a. Firefighting purposes is an alternate use to which any water right may be put, and firefighting is recognized as a lawful use of water with or without a water right. (10-26-94)

b. Firefighting purposes means the use of water in times of emergency: to extinguish an existing fire on private or public lands,

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facilities, or equipment; to prevent an existing fire from spreading to private or public lands, facilities, or equipment within the vicinity of and endangered by an existing fire; and by firefighting personnel engaged in fighting an existing fire. Firefighting purposes does not include the use of water to prevent a fire from occurring in the future, the use of water for domestic purposes in regularly maintained firefighting stations, or the storage of water for fighting future fires. (10-26-94)

02. Diversion Volume for Irrigation. The maximum annual volume of water reasonably required at the field headgate for irrigation of lands in Basin 34 is three and five tenths (3.5) AFY per acre. Where diversion volume is not stated for water rights or portions of water rights in the list of water rights for irrigation purposes, allocation of water for those water rights will not be limited by volume at this time. (10-26-94)

03. Amount of Combined Water Rights for Irrigation. Unless specifically stated otherwise in the water right, the combined use of more than one right for irrigation purposes is limited to: (10-26-94)

a. A combined total rate of diversion of two hundredths (0.02) CFS per acre for water rights from ground water, or a total combined rate of diversion of two hundred eighty-six ten thousandths (0.0286) cfs per acre for water rights from surface water. (10-26-94)

b. A combined total annual diversion volume of three and five tenths (3.5) AFY per acre, or a greater volume per acre as provided in Rule 55.02. (10-26-94)

c. A combined total annual consumptive use volume of two and five hundredths (2.5) AFY per acre. (10-26-94)

04. Conveyance Losses. The rate of flow generally required at the field headgate for irrigation of lands in Basin 34 is two hundredths (0.02) CFS per acre. (10-26-94)

a. The total per acre rate of diversion, measured at the point of diversion from a surface water source, shown for some rights is greater than two hundredths (0.02) CFS per acre. This is due to actual conveyance losses in the distribution system. Although diversion amounts greater than two hundredths (0.02) CFS per acre, but not greater than two hundred eighty-six ten thousandths (0.0286) CFS per acre, are not specifically identified in the water right, amounts in excess of two hundredths (0.02) CFS per acre that are not specifically identified in the surface water right are limited to use for conveyance losses.

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b. Some water rights are shown with a remark limiting the right or a portion of the right to use for conveyance losses in delivery of the right and/or other rights. When a remark is included in the listing of water rights limiting a right or a portion of a right to use for conveyance losses, the total per acre rate of diversion shown for the right (including conveyance losses specifically noted in remarks) is greater than two hundredths (0.02) CFS per acre for ground water rights and greater than two hundred eighty-six ten thousandths (0.0286) CFS per acre for surface water rights. (10-26-94)

c. In those cases in which the water right(s) includes an amount in excess of two hundredths (0.02) CFS per acre for conveyance loss, the total amount shown for the right(s) includes: (10-26-94)

i. The standard amount generally required for the purpose of use of the right, which includes reasonable conveyance losses associated with such uses, plus (10-26-94)

ii. An additional amount required for conveyance losses in the particular distribution system determined to be reasonable under currently existing conditions. (10-26-94)

d. Diversion of rights or portions of rights limited to use for conveyance losses may continue so long as: (10-26-94)

i. The use does not constitute unreasonable waste, as determined by the director, and (10-26-94)

ii. The use does not conflict with the public interest, as determined by the director. (10-26-94)

05. Incidental Stock Water. When stock water is not specifically included for a water right that includes irrigation, a portion of the quantity described for irrigation use may be diverted and used, from the same point of diversion and at the same place of use as the irrigation use, for purposes of maintaining a reasonable water supply for stock watering use during the period of use for irrigation described in the water right. (10-26-94)

06. Winter (Non-Irrigation Season) Stock Water. During the non-irrigation season, from October 16 through April 30 except as modified by Rule 40.04, the storage of water in Mackay Reservoir is superior to all rights from the Big Lost River with points of diversion downstream from Mackay Dam, subject to

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the minimum release required by Rule 40.07. (10-26-94)

a. Winter stock water can be called for and delivered pursuant to the list of water rights if it does not interfere with storage in Mackay Reservoir by requiring a release of water in excess of the minimum release required by Rule 40.07 or the actual release, whichever is greater. (10-26-94)

b. A right holder calling for delivery of stock water must have access to a diversion point and delivery system to convey the right to the place of use recorded in the list of water rights. If the headgate and delivery system are controlled by an entity other than the water user, the watermaster will only deliver the water with the concurrence of the owner of the headgate and delivery system and then only when such delivery does not constitute unreasonable waste as determined by the director. (10-26-94)

056. - - 059. (RESERVED) (10-26-94)

060. ACCOUNTING FOR WATER DELIVER. (Rule 60). Water diversions shall be accounted for continuously, throughout the year by the watermaster. (10-26-94)

061. - - 999. (RESERVED) (10-26-94)

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MINUTES OF MEETING OF BIG LOST RIVER IRRIGATION DISTRICT

Minutes of meeting held by the Board of Directors of Big Lost River Irrigation District, Butte and Custer Counties of April 4, 1995 starting at 2:30 p.m.

Board Member present: Don A. Aikele, Chairman; Harry Crawford, Secty.-Treas., Lewis Rothwell and Ray Boyack. Also present: Linda Hocking, Admin. Asst.; Don Scarr, General Manager; Doug Rosenkrance, Watermaster #34; George A. Gilbert. Guests: Virgil Hall, Willard Bell, Kenny Bell, Randy Nelson and Dave Nelson.

The meeting was called to order at 2:35 p.m. by Chairman Don Aikele.

Old Business

Minutes: Ray Boyack motioned to accept the minutes for March. Seconded by Harry Crawford, all were in favor and motion carried.

30 Year Anniversary: George A. Gilbert was recognized for his 30 years of service from March 15, 1965 to March 15, 1995, with a plaque and Timex watch.

Applications for Weed Sprayers and Ditchriders: There were 20 applications received for Weed Sprayers and/or Ditchriders. Don Aikele suggested giving copies to all of the Directors for review. Monday, April 10, the Director would need to call the District with the names of the people they would like to interview. Thursday, April 13, interviews would be given to candidates on the list.

A resumé and a contract were sent to each Director and BLRID from Brent Morgan. Don Scarr explained to the Directors that in order to sign a contract, Brent Morgan would need a commercial license and be bonded and insured for weed spraying due to the new regulations from the Department of Agriculture, otherwise to protect ourselves and him, he would need to be hired as an employee.

General Attendance: The guest members asked if they needed to ask the Board any questions. Dave and Randy Nelson asked if they could get their stock water, some discussion ensued. Randy stated that they could keep an eye on the water and let the district know if there was any problems with freezing. Don Scarr stated that there was no work schedule on the Swauger and that it was clear. Harry Crawford motioned to release water for stock water if it was possible. Seconded by Ray, all were in favor, and motion carried.

Disposal of Backhoe: In order to dispose the backhoe Don S. indicated that the code required three appraisals from disinterested members if the value was over $2000.00 to give bids. Ned Smith's listing on backhoe was $6000. Some members were listed and Don S. would be getting in contact with them.

Natural Flow Adjudication: IDWR issued water rights for the BLRID natural flow adjudication, although they did not mention the assessment due. Don A. suggested on letting it ride.

Health Benefits: Everything has been returned on the health benefits and the best coverage for less premium was Travelers. $570 a month was budgeted for employees. Don S. needed to know if the Directors wanted to cover family members also, discussion was ensued. Harry C. suggested covering employees only.

New Attorney: The selecting of a new attorney was tabled until the next meeting.

Ralph Parkinson: Roger Ling was asked to send an updated Water Transport Agreement. Corrections were made to the form. IDWR sent back Ralph Parkinson's transfer and change of diversion with 480 acres of class I acres. Harry motioned to accept the request if IDWR approved the transfer. Ray seconded it. Lew Rothwell abstained, motion carried.

New Business:

Reservoir Release: Don S. presented the monthly reservoir outflow for the April-July forecast and May-July forecast calculation worksheets and operating curve. This data and forecast information is provided by and prepared monthly with direct consultation from S.C.S. office in Boise.

There was a voice of opinion from Willard Bell that if a decision was made for an early release then the proper forum should be a public meeting with a voice and vote from the entire membership to give the Board some input and direction.

Lew's opinion was that he was opposed to continuing to store water and that some should be released.

There was discussion on whether it was premature to make a decision on an early release, based on the current level of the reservoir and the 30 year average for the monthly gain for April.

A decision was made to take more frequent reservoir readings between now and April 13th (the scheduled meeting for interviews of D.R. and Weed Sprayers), to determine if there was any excessive gains from the April average and reassess the situation at that time.

Stream Alteration Permit: We received an application from IDWR for Sam Jackson requesting a permit to alter the river. Board Directors felt that we do not need to get involved.

Bridge in River: Mark Roberts asked if the BLRID could pull out a bridge in the river on Whitey Fletcher's property. Lew stated if IDWR approved it then it was a neighborly thing to donate manpower and equipment. The landowner would need to work out the proper paperwork. Lew motioned to donate the help. Ray seconded it, all were in favor and motion carried.

New Heading and Portable Bridge: Shane Rosenkrance wants to move his heading out of the Darlington and move it one mile down from his existing heading where he uses it and also add a pivot and a portable bridge. Don A. could see no problems with it.

Moore Water Users Assoc.: We have been sending out 32 $4.85 assessment notices for the Moore water users and Don S. wanted to know if we could send one assessment notice. Harry motioned to send one to the president and let them collect from the users. All accounts must be paid to get their water.

Exclusion - Have Decree, No Filing: Don S. asked about individuals that had decrees and did not file on it and if they could be excluded if they were to request it. Don A. suggested revising the language on the exclusion.

Marx came in at 4:30 p.m.

Check Approval: Checks numbered 9970 through 9999 and 0000 through 0091 were approved for payment at this time.

Budget Review: Report of the financial condition was presented to the Board Members, collected O&M assessments for the month of March totaled $36,985 with $28,639 in payments and $14,214 in delinquent payments.

Adjournment: There being no further business to bring before the board Lew moved to adjourn the meeting, seconded by Marx, all were in favor and the meeting was adjourned at 4:45 p.m.

ATTEST:

Don A. Aikele
Chairman of the Board

Harry Crawford, Secty.-Treas.

EXHIBIT
Applic. #3

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

TRANSFER OF WATER RIGHT

EXHIBIT
Applic #5

TRANSFER NO. 4115
WATER RIGHT NO. 34-02357B

This is to certify that: **JAY V JENSEN**
RT 1 BOX 112
MOORE ID 83255

has requested a change to the above captioned water right(s). This change in water right(s) is authorized pursuant to the provisions of Section 42-222, Idaho Code, provided the conditions listed below are met.

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
IRRIGATION	04/15 to 10/15	2.00 CFS	287.0 AF

SOURCE

GROUNDWATER

Priority: 03/31/1960

LOCATION OF POINT(S) OF DIVERSION: SWSW , Sec. 27, Township 05N, Range 26E
BUTTE County

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
03N	26E	13	SESE	27.4					27.4
		24	NENE	27.3	NWNE	27.3			54.6
					Total number of acres irrigated:				82

CONDITIONS/REMARKS:

1. A measuring device of a type approved by this Department shall be maintained as a part of the diverting works.
2. Use of water under this water right will be regulated by the watermaster of State Water District No. 34.
3. This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 3.5 afa per acre for the lands above.
4. Approval of this transfer in no way grants any right-of-way or easement for use of a delivery system owned by person(s) other than the right owner.
5. The change authorized by this transfer shall be accomplished within one (1) year of the date of this approval.

TRANSFER NO. 4115
WATER RIGHT NO. 34-02357B

CONDITIONS/REMARKS:

6. The Director retains jurisdiction to require mitigation or reconstruction of the well if prior water rights are injured.
7. The change approved by this transfer is subject to the terms of the court's final decree of this right in the ongoing Snake River Basin Adjudication.
8. Failure to comply with the conditions of this transfer is cause for the director to issue an order to show cause why the approval of the transfer should not be rescinded.
9. A portion of this right, 0.36 cfs, is limited to use for conveyance losses in delivery of this right.
10. A transport agreement must be secured with Big Lost River Irrigation District.
11. Use of water under this approval is subject to the groundwater-surface water mitigation schedule adopted for Water District No. 34.

Dated this 13th day of October, 1993.

Chief, Water Alloc. Bureau

MINUTES OF MEETING OF THE BOARD OF DIRECTORS
OF THE BIG LOST RIVER IRRIGATION DISTRICT,
BUTTE AND CUSTER COUNTIES, IDAHO.

- - - - - - - - - -

Mackay, Idaho

May 1st, 1935.

Pursuant to adjournment, an adjourned regular meeting of the Board of Directors of the Big Lost River Irrigation District was held at the office of the Board at Mackay, Custer County, Idaho on Wednesday, May 1, 1935 at eight o'clock P.M. The following members and officers of the Board were present:-

Roy C. Pearson,	Director and President,
Manning Sutton,	Director and Treasurer,
L.H. Evans,	Director,
George L. Ambrose,	Attorney and Secretary.

Absent, None.

President Pearson stated the purpose of the meeting to be to consider ways and means of complying with the requirement of the Oregon Short Line Railway Company that funds must be provided for the construction of a three-span railroad bridge on the O.S.L. railroad line, Mackay Branch at Mile Post 64.05 near Lost River across the East Side Canal, now under construction by co-operative agreement between the Idaho Emergency Relief Administration and the Big Lost River Irrigation District. The Secretary read the following telegram relative to this matter from Mr. H.C. Manson, Superintendent of the Oregon Short Line Railway Company, Pocatello, Idaho:-

(copy of wire:-)

C.A.C.U
Pocatello 147 111 4-24-35 Night

Agt
Mackay

Advise J.A. Weber Mgr. Twin That estimated cost to build three span bridge Mp 64.05 over Lost River is 1930.00 this on basis applicant removing fill under bridge railroad to furnishing all other labor and material. Mr. Weber should arrange make deposit this amount and have Big Lost River District furnish written statement agreeing to sign our

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gation District hereby guarantees the payment of the cost of the above mentioned bridge in accordance with the aforesaid telegram of the said A. C. Manson, Superintendent of the Oregon Short Line Railway Company, Pocatello, Idaho, of date April 24, 1935, and hereby agrees to sign the said Company's standard form of canal crossing when presented.

The foregoing motion was duly seconded by Director Evans and was put to a vote with the following result:-

VOTING AYE: President Pearson
Director Sutton
Director Evans

VOTING NAY: None.

And the President thereupon declared said resolution and order duly and unanimously adopted, and the same was ordered spread upon the minutes of the Board, and the Secretary instructed to send a certified copy thereof to the Oregon Short Line Railway Company, Pocatello, Idaho.

Whereupon the Board adjourned to meet at the call of the President.

Roy C. Pearson
President

ATTEST:

George L. Ambrose
Secretary, Board of Directors Big Lost River Irrigation District, Butte and Custer Counties, Idaho.

(SEAL)

C E R T I F I C A T E

I, the undersigned, George L. Ambrose, hereby certify that I am the duly appointed, qualified, and acting Secretary of the Big Lost River Irrigation District, a duly organized and existing Irrigation District of the State of Idaho in the Counties of Butte and Custer in said State, and I am as such Secretary the legal custodian of the books and records thereof; that the foregoing is a full, true, and correct copy of the minutes and resolutions of the Board of Directors of the Big Lost River Irrigation District dated May 1, 1935 as the same appears of record in the minute book of said District.

Dated at Mackay, Idaho, this 3d day of May 1935.

Secretary, Big Lost River Irrigation District, Mackay, Idaho.

Pocatello, May 3, 1935.

Called to see Mr. Manson personally, but he was out of town so I left with him Clerk, the foregoing certified copy, which was submitted to the Legal Staff and Eng. staff for approval. They stated they are waiting for approval from Omaha and construction will start right away upon approval. G.L.A.

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standard contract on canal crossing actual cost of bridge may be more or less than estimate in which case bill will be made to cover actual amount. Advise Mr. Weber we will require considerable advance notice in order to get material assembled. I 944.

E C Manson
155 p

After fully considering this matter, the following resolution was offered by Director Sutton, who moved its adoption, to-wit:-

WHEREAS, the East Side Canal in Butte County, Idaho, is now under construction and practically completed by co-operative agreement between the Idaho Emergency Relief Administration and the Big Lost River Irrigation District, said canal having been projected as an IERA project for the purpose of saving water for irrigation purposes on lands within the District; and

WHEREAS, the said East Side Canal is now practically completed for use except that section thereof which crosses the railroad tracks of the Mackay Branch of the Oregon Short Line Railway Company near Mile Post 64.05, and in order to complete said canal it is now necessary that a three-span bridge be built on said railroad track across said canal at a cost estimated by said Railway Company to be $1980.00 not including removing fill under said bridge; and

WHEREAS, the cost of the construction of the said Bridge was set up by the Engineer of the Idaho Emergency Relief Administration and the Engineer for this District in the Project for the construction of the said East Side Canal and the cost thereof was approved to be paid by the said IERA, but has not been paid on account of the funds set up therefor having been exhausted; and

WHEREAS, said canal must be fully completed as soon as possible so as to make water available for irrigation purposes this year and the completion of said canal and the construction of said bridge across the same are for a public purpose and it is for the best interests of the land owners and water users in said District that said bridge be constructed and the cost thereof paid by the Big Lost River Irrigation District.

NOW, THEREFORE, BE IT RESOLVED that the Big Lost River Irri-

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EXHIBIT
Protestant
#2

Idaho Department of Water Resources

Open-File Report

REVIEW OF GROUND-WATER CONDITIONS
IN THE
BIG LOST RIVER VALLEY



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Preface

This report was originally drafted in 1982, but was not completed for release prior to Mr. Szczepanowski's resignation. The report is now being issued in response to concerns relating to the issuance of additional water right permits. Hydrographs in the report have been updated to include more recent data and some minor editing of the text has been performed.

As discussed in this report, hydrologic studies performed by by Crosthwaite, et al. (1970a and b) clearly express the close and inseparable relationship that exists between the surface- and ground-water systems. Later work by the U.S. Geologic Survey supports this view. The degree of interconnection between them varies both spatially and temporally. To remove water from one, will eventually affect the other. Available geologic data indicate no laterally extensive confining layers exist that isolate the Big Lost River from a "deeper" ground-water system.

Most of the outflow leaving the basin occurs as ground-water underflow. Although estimates of the underflow vary, the figures imply that the total water resource would be adequate for present levels of use if distribution problems could be solved.

In order to mitigate conflicts between users, the surface- and ground-water resources of the basin should be managed conjunctively. A detailed plan needs to be developed with this in mind, before additional development should be allowed to occur and further aggravate the problems that currently exist.

Steven J. Baker
Idaho Department of Water Resources
May 1989

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REVIEW OF GROUND-WATER CONDITIONS IN THE BIG LOST RIVER VALLEY

Introduction

During the twenty years of the 1960's and 1970's, the use of ground water in the Big Lost River Valley has grown greatly. With this increase in use, came alterations of the hydrologic relationships and interactions between ground water and surface water. Recently, there have been concerns expressed for better water resource management; these have been made by both the public and by the Idaho Department of Water Resources (IDWR). Protests have been made to IDWR by water users who are alarmed by a number of applications for ground-water withdrawals. The fear is that new withdrawals will have adverse effects on other water users.

Purpose and Scope of Study

In order to advise IDWR administrators of the courses open for management of the water resources in the Big Lost River basin, the recommendations offered in the only available detailed basin studies (Crosthwaite, et al., 1970 a and b) were evaluated for their suitability and application. It must be recognized that the 1970 recommendations were developed from field work done from 1966 to 1969 and that no new field work directed in the search for new management ideas and options has been performed since 1969.

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This report primarily attends to matters concerning ground water, even though the intimate connection between surface water and ground water is clearly presented numerous times in the 1970 reports; this finding of the importance of the connection is herein reinforced.

Past Studies

As part of a water resources study of the Snake River Plain in southeast Idaho, the Big Lost River basin was studied in the 1920's and 1930's (Stearns, et al., 1938). It was later investigated in detail by the U.S. Geological Survey (USGS) in the 1960's (Crosthwaite, et al., 1970). The mouth of the basin where it joins the Snake Plain aquifer was the subject of a study published in 1973 (Crosthwaite) and, more recently, the basin was examined as part of a water quality survey in five east-central Idaho valleys (Parliman, 1982).

Description of the Physical Environment

Location - The Big Lost River basin, 1400 square miles in area, is found centrally in the lower half of Idaho. More than 50 percent of the basin is situated in Custer County; this is the headwaters section. The lower portion is in Butte County. There is no actual mouth of the Big Lost River since the river seeps into the earth materials on the desert southeast of Arco and is completely lost to the ground water of the Snake River Plain in a variable length of river channel downstream from Arco where the river has left the Big Lost Valley and flows over the Snake River Plain.

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The towns in the basin, listed in downstream order, include Chilly, Mackay, Leslie, Darlington, Moore and Arco. Mackay Reservoir, an impoundment on the Big Lost River, is located approximately three miles upstream from Mackay (Figure 1).

Climatology

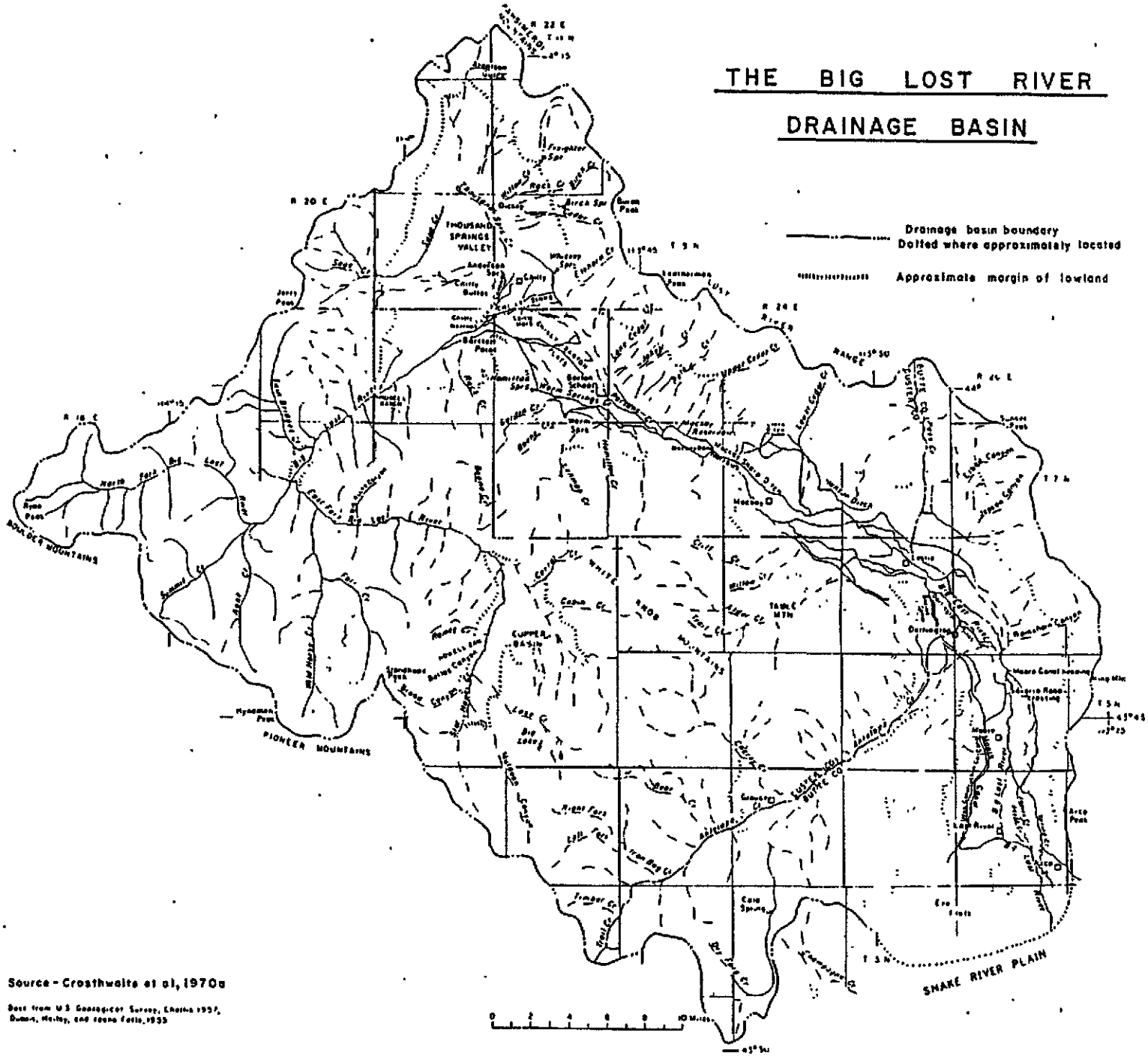
The climatic character of the basin can be described as a continental type in which there is a large variability in seasonal and daily temperatures, in wind directions and velocities, and in precipitation. Monthly temperature means for the basin, at an elevation of 5897 feet (Mackay, Idaho), range from 16.9° (January) to 66.8°F (July); the annual mean is 42.1°F (based on the period 1931-1960). At the higher elevations in the mountains, winds from the west generally prevail while valley winds are variable. An isohyetal map of the basin shows isohyetal lines indicating annual precipitation varies from 10 to 45 inches (for the period 1944-1968).

Geology

The geology has been discussed in Crosthwaite, et al. (1970a) and in Crosthwaite (1973).

The uplands are composed of a sedimentary sequence of limestone, dolomite, quartzite, sandstone, shale and argillite. Intrusions of granitic rock occurred at some places into the sedimentary units while volcanic materials cover an extensive area of the higher sedimentary rocks. Basalt from the Snake River Plain is found at the surface in the south end of the

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Fig 1

Big Lost River basin; it exists also as subsurface flows by and north of Arco, Idaho.

Alluvium is present in two forms, cemented and unconsolidated. A calcite cement binds together fragments of sandstone, quartzite and limestone of the old alluvial fans. The unconsolidated materials are composed of clay to boulder size particles and, in places, range greatly in the degree of sorting. Geophysical information indicates that these deposits are from 2000 to 3000 ft. thick in the Thousand Springs and Barton Flats areas (Figure 1). An alluvial fill over 5000 ft. thick is known to occur in the area east of Mackay, Idaho. The fill thins from Leslie southward until, near the mouth of the valley at Arco, it may be about 2500 ft. thick.

Hydrogeologic Characteristics of Earth Materials

All materials in the basin can contain and transmit water in varying degrees. At the higher elevations, recharge occurs in the fractures of the consolidated rock units. Some of the water is discharged to streams, sustaining their flows in dry periods. Another portion of the ground water continues down slope entering the valley alluvium and may not enter surface water courses. Numerous streams lose all their flow to the highly permeable colluvial and alluvial fans found at the edge of or near the valley floor.

Precipitation on the valley floor and stream channel losses are the two other primary sources of recharge to the ground-water reservoir. Additional recharge occurs from irrigated lands.

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Natural discharge of ground water occurs into gaining reaches of the Big Lost River, as springflow, as ground water leaving the basin south of Arco, and as evapotranspiration where the water table is at or near the land surface. Ground water is also artificially discharged through wells.

By far, the most important aquifers in the basin are those made of coarser materials in the valley alluvium. The valley fill is very heterogeneous, especially away from the flood plain of the Big Lost River and toward the edges of the valley. Within many areas of the flood plain, older alluvium has been reworked by the river so that thick deposits of sands and gravel occur.

While water table conditions are present in the valley, localized perched and artesian conditions are also known. The great variability in the sediments accounts for this. It appears the basin has widely scattered lenses of low permeability materials that allow perched and artesian zones to develop. The areal extent of these lenses is not defined at present.

Surface Water-Ground Water Interactions

In the Big Lost River basin, several naturally occurring areas of exchanges between surface water and ground water are known. Great volumes of water vanish into permeable materials in the Chilly, Darlington, and other sinks and emerge in the channel above Mackay Narrows, above Moore Canal heading, and in other reaches. Figure 2 shows, in a relative, unquantified way, these changes. In addition to natural fluxes, there are also effects produced by irrigation wells. Where such wells are near the main

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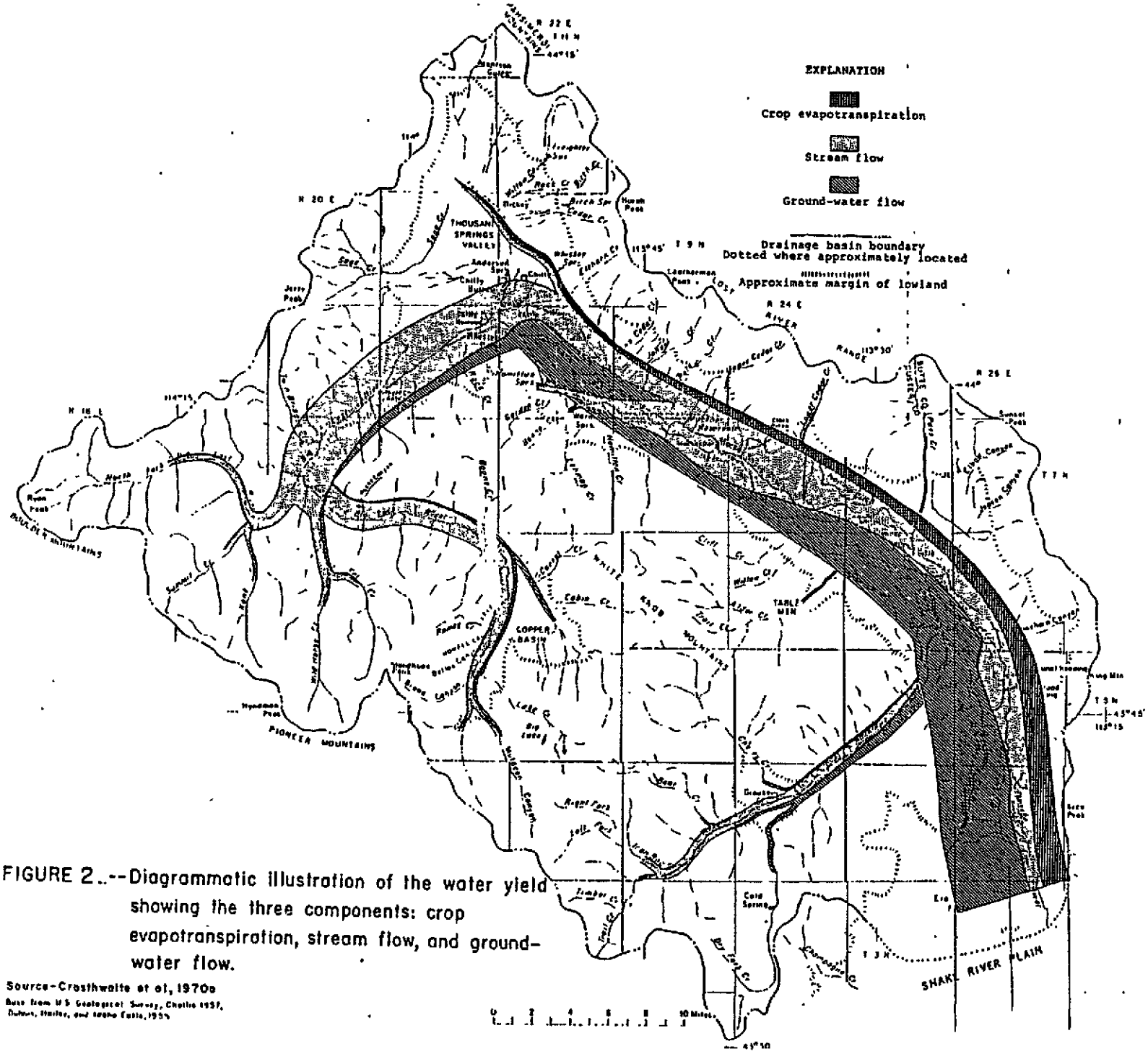


FIGURE 2.--Diagrammatic illustration of the water yield showing the three components: crop evapotranspiration, stream flow, and ground-water flow.

Source-Crosthwaite et al, 1970a

Base from U.S. Geological Survey, Challis 1957, Dubois, Hailey, and Idaho Falls, 1954

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river channel and are completed in materials that are hydraulically connected with the river, there is stream depletion by wells. The depletion occurs primarily in T5N R26E and southward to a point just upstream from Arco. From there the river begins to lose water to the ground-water reservoir of the Snake River Plain and never again regains ground water. Other reaches where the river may lose appreciable volumes of water are shown in Figures 3 and 4.

Uses of Water

Water is used for domestic, stock and agricultural purposes. The last use is the largest of the three. While, in the past, the river was the primary source of water for agriculture and was measured at diversion points, there is now no adequate program of measurement. As the surface water resource approached, a fully appropriated status, farmers turned to the development of ground water for irrigation. Ground water was also developed to supplement the surface-water supply in drier years. ← This occurred first

Interest in previously irrigated land southwest of Arco (in T3N R26E) has led to the practice of pumping ground water in an upstream part of the basin, putting it into a canal, and moving it to a more southern locale where it is diverted for irrigation. Some water users are very concerned about this practice. They fear that water levels in nearby wells may be lowered. While no field study has been conducted to verify this for existing wells near well involved in such canal transfer of water, it is obvious

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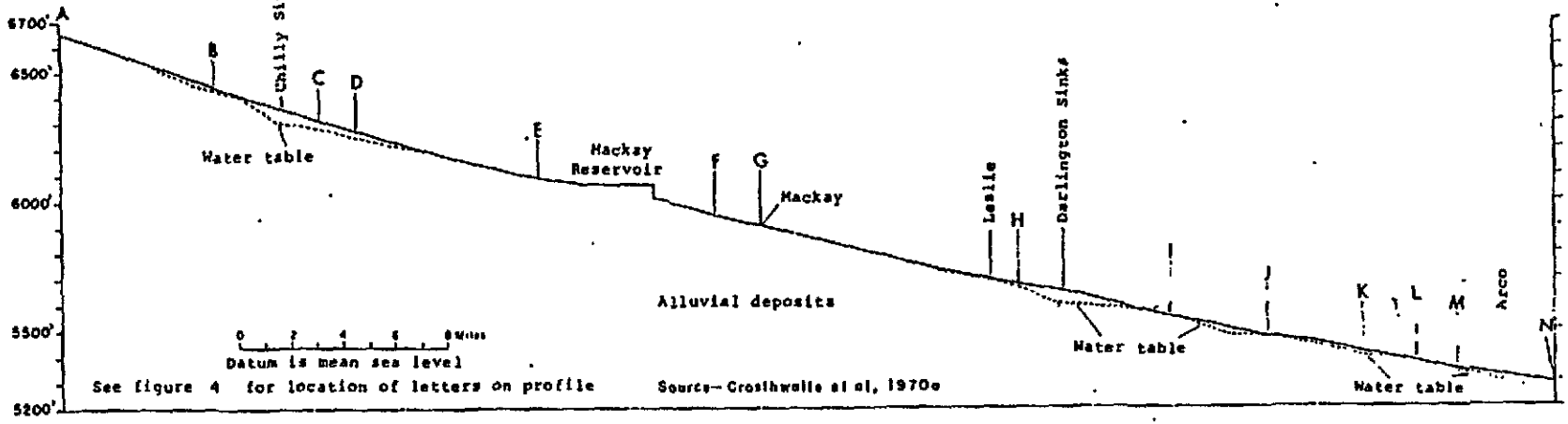


FIGURE 3---- Profile of Big Lost River showing the position of the water table.

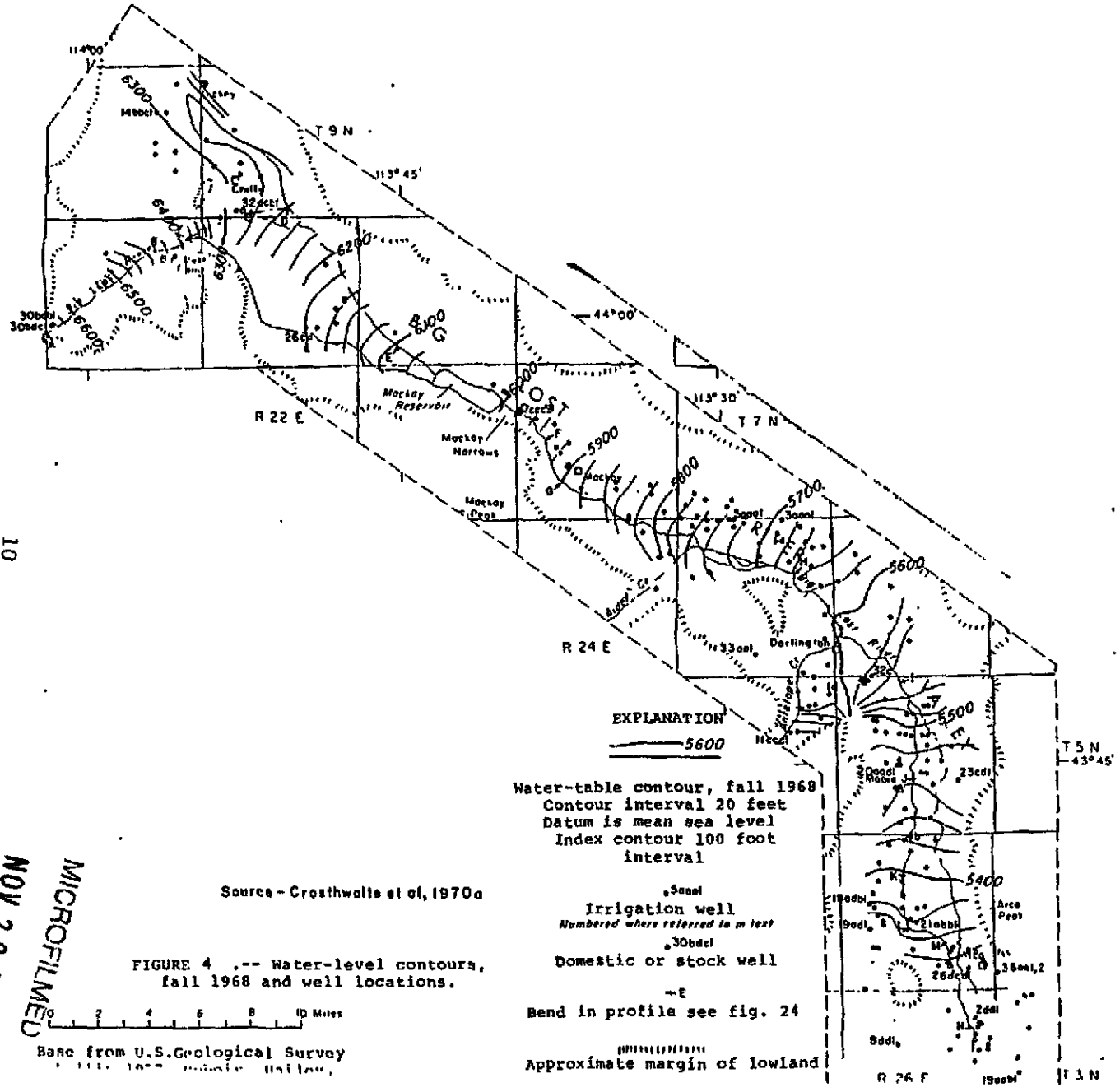


FIGURE 4 .-- Water-level contours, fall 1968 and well locations.

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that the area around the well receives no benefit of recharge. While there are transmission losses from the canal that carries the water away, the major portion of the pumped water could be considered as a consumptive loss to the area around the well.

Information on the wells in the basin is found in Table 1 and Figures 5 and 6 show the well distribution in part of the basin.

Ground-Water Level Changes

As part of the 1970 USGS study, seasonal changes in water levels were monitored from July 1966 to September 1968. These observations were made in selected wells from the Chilly Sinks area to the Butte City area, southeast of Arco. Usually, lowest levels were observed in late winter and early spring when streamflow is at a minimum and canals are empty. From midsummer to early autumn, the levels were highest when river flow is larger and canals are full.

Within the basin, the USGS makes observations now in six wells; one is in Thousand Springs Valley at the upper end of the basin, another well is found in T6N, R25E, and the others are near the mouth of the basin; some of these are shown in Figures 5 and 6. Hydrographs for these wells are included as Figures 7 to 12. Those hydrographs of special interest are for wells located in T4N and T5N, R26E, and area in which the use of ground water has increased greatly in recent years. The five observation wells in T2 and 3N are presented since these may reflect either changes in the Big Lost basin, or alterations in the Snake Plain

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TABLE 1. WELLS IN THE BIG LOST RIVER VALLEY[1/]

Township	Number of Wells			Range of Depths, in feet		
	Irrig.	Domestic	Others[2/]	Irrig.	Domestic	Others[2/]
9N-21E	4	1	0	267-433	95	---
9N-22E	1	2	2	150	42,51	49,53
8N-21E	0	2	2	---	32,37	38,127
8N-22E	4	3	3	86-135	44-88	26-56
8N-23E	1	2	0	105	30,50	---
7N-23E	0	3	1	---	70-82	98
7N-24E	13	19	6	30-152	20-180	42-398
7N-25E	6	0	0	120-297	---	---
7N-26E	1	0	1	91	---	468
6N-24E	5	3	0	99-245	36-57	---
6N-25E	28	15	0	63-233	30-80	---
6N-26E	9	8	1	55-250	43-120	19
5N-25E	7	0	1	180-251	---	108
5N-26E	28	14	3	110-250	40-220	68-174
4N-24E	0	1	1	---	34	110
4N-25E	1	3	4	30	51-180	60-300
4N-26E	50	27	4	18-272	39-169	51-320
3N-25E	0	0	4	---	---	300-416
3N-26E	7	16	0	61-840	30-170	---
3N-27E	1	5	2	85	55-550	72-850
TOTALS	166	124	35			

1/ As of August 3, 1982; source: IDWR well logs on file.

2/ Includes stock, test, observation and municipal wells.

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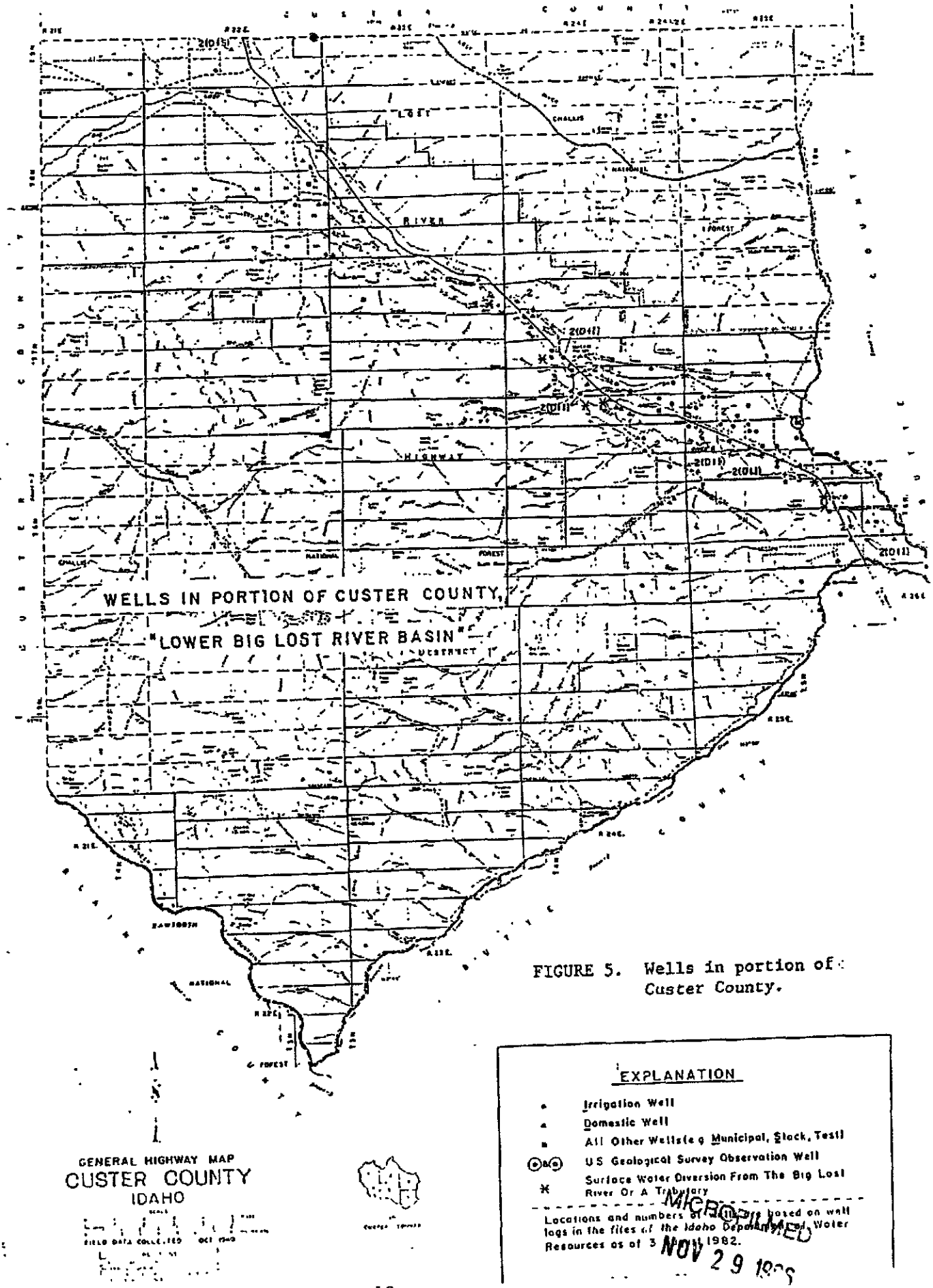


FIGURE 5. Wells in portion of Custer County.

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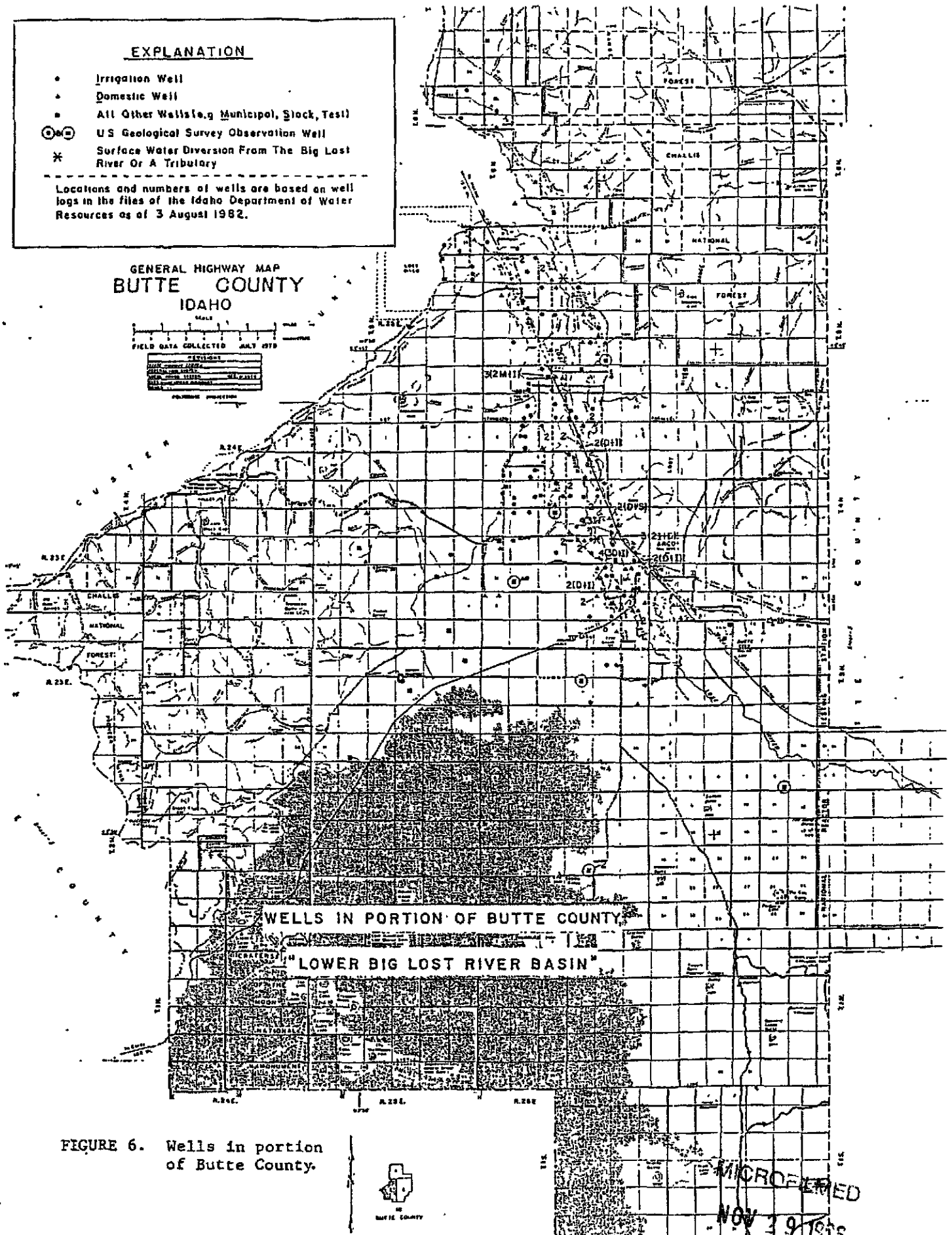


FIGURE 6. Wells in portion of Butte County.

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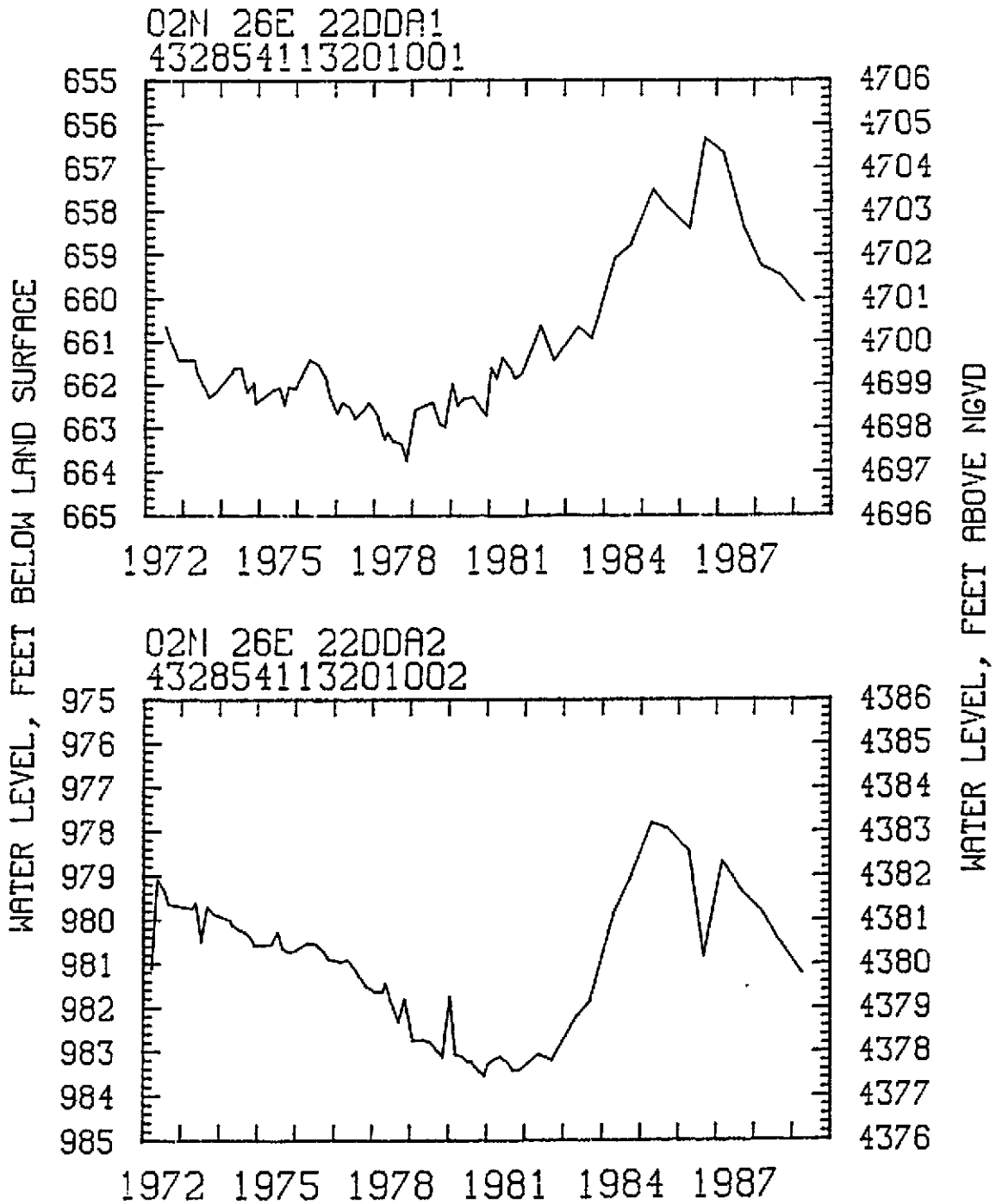


FIGURE 7. Hydrographs of wells 02N26E22DDA1 and 02N26E22DDA2.

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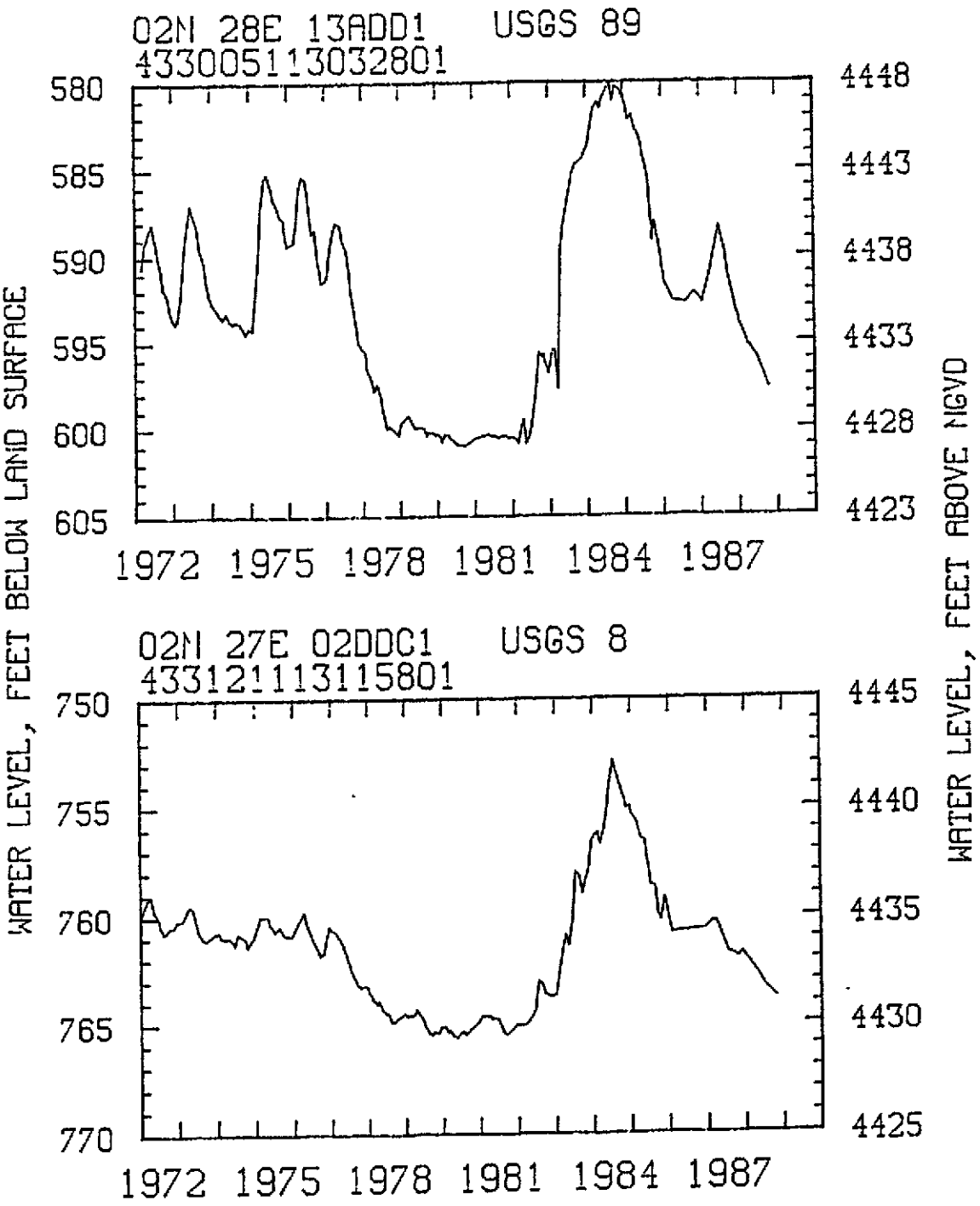


FIGURE 8. Hydrographs of wells 02N28E13ADD1 and 02N27E02DDC1.

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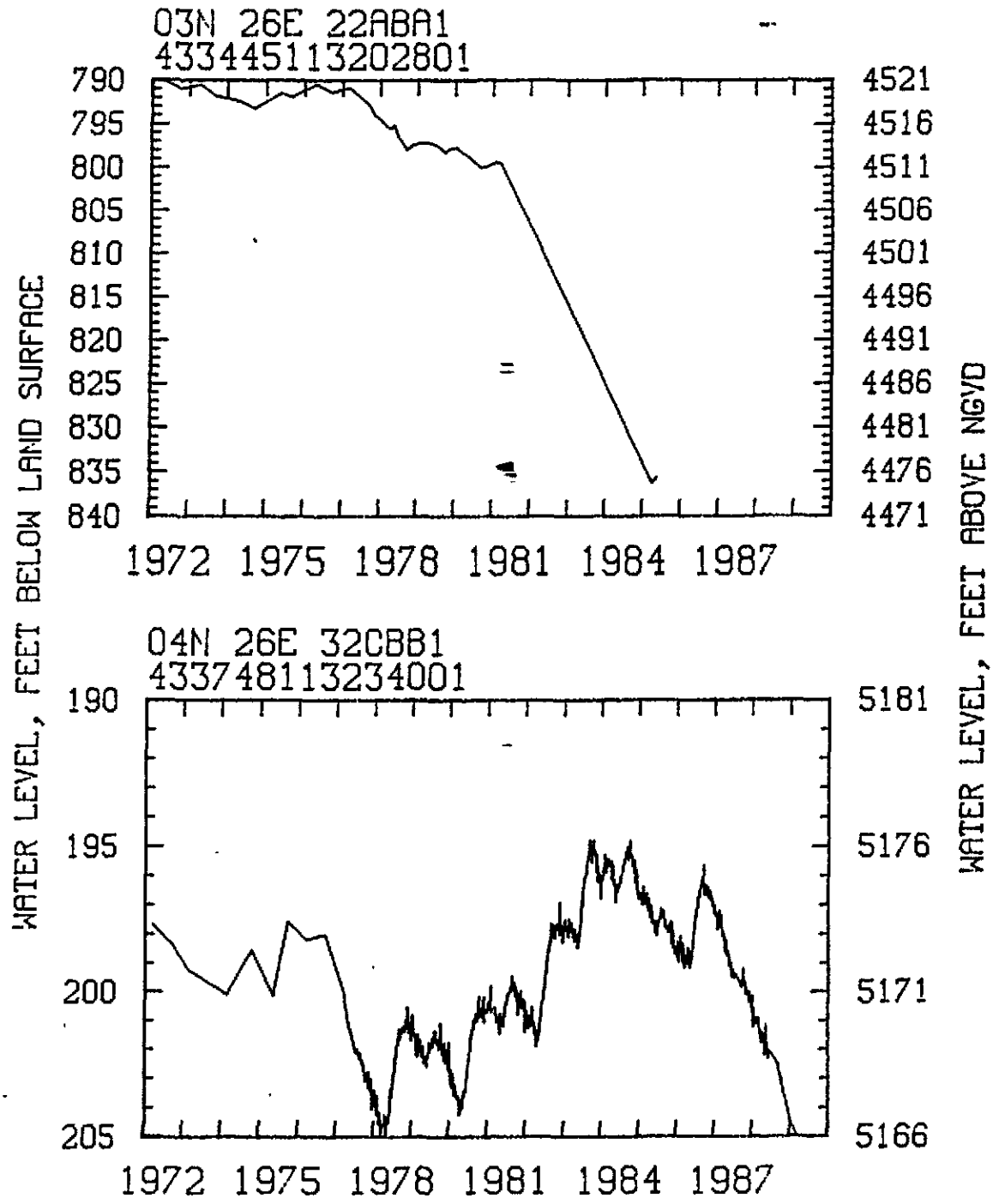


FIGURE 9. Hydrographs of wells 03N26E22ABA1 and 04N26E32CBB1.

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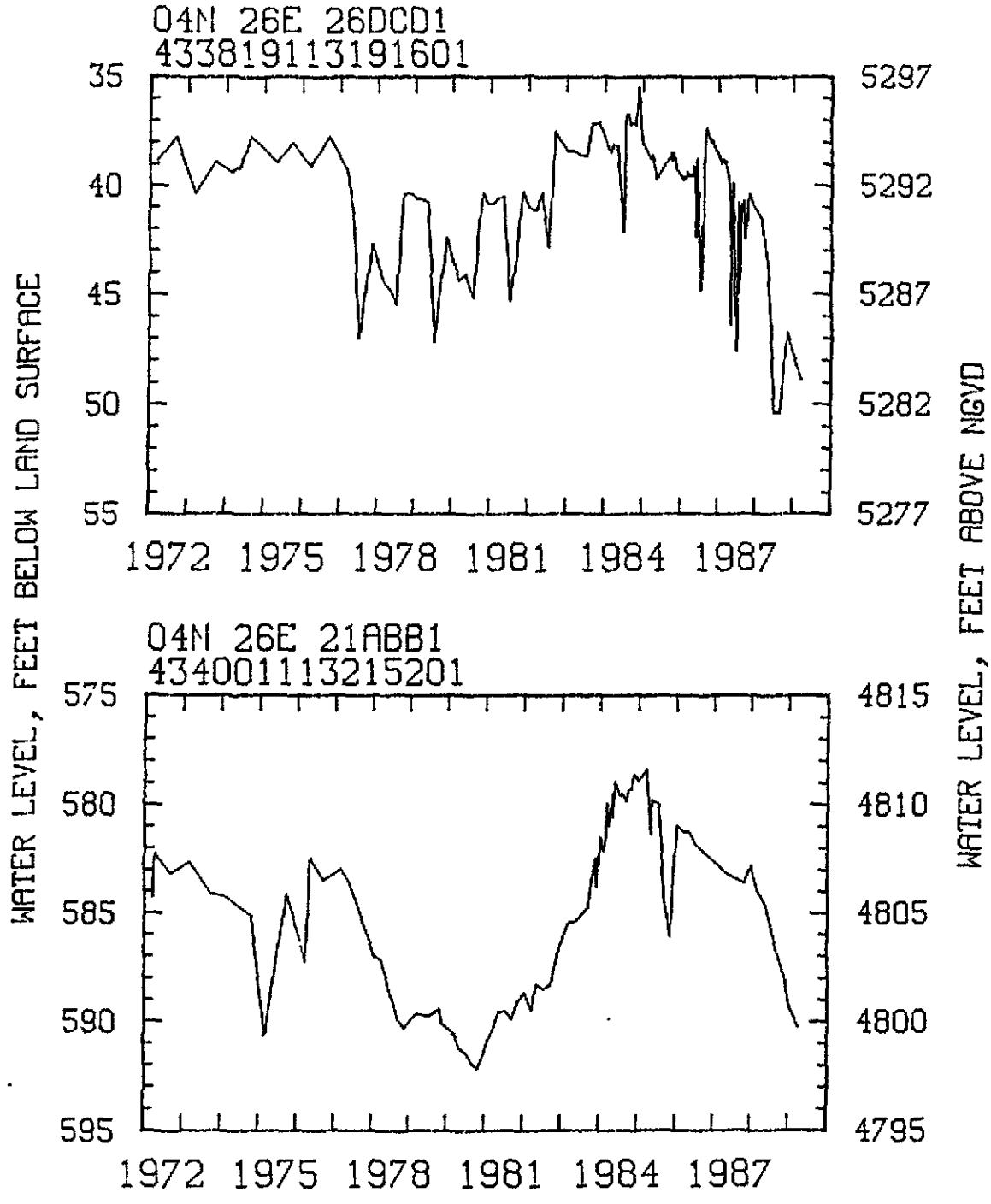


FIGURE 10. Hydrographs of wells 04N26E26DCD1 and 04N26E21ABB1.

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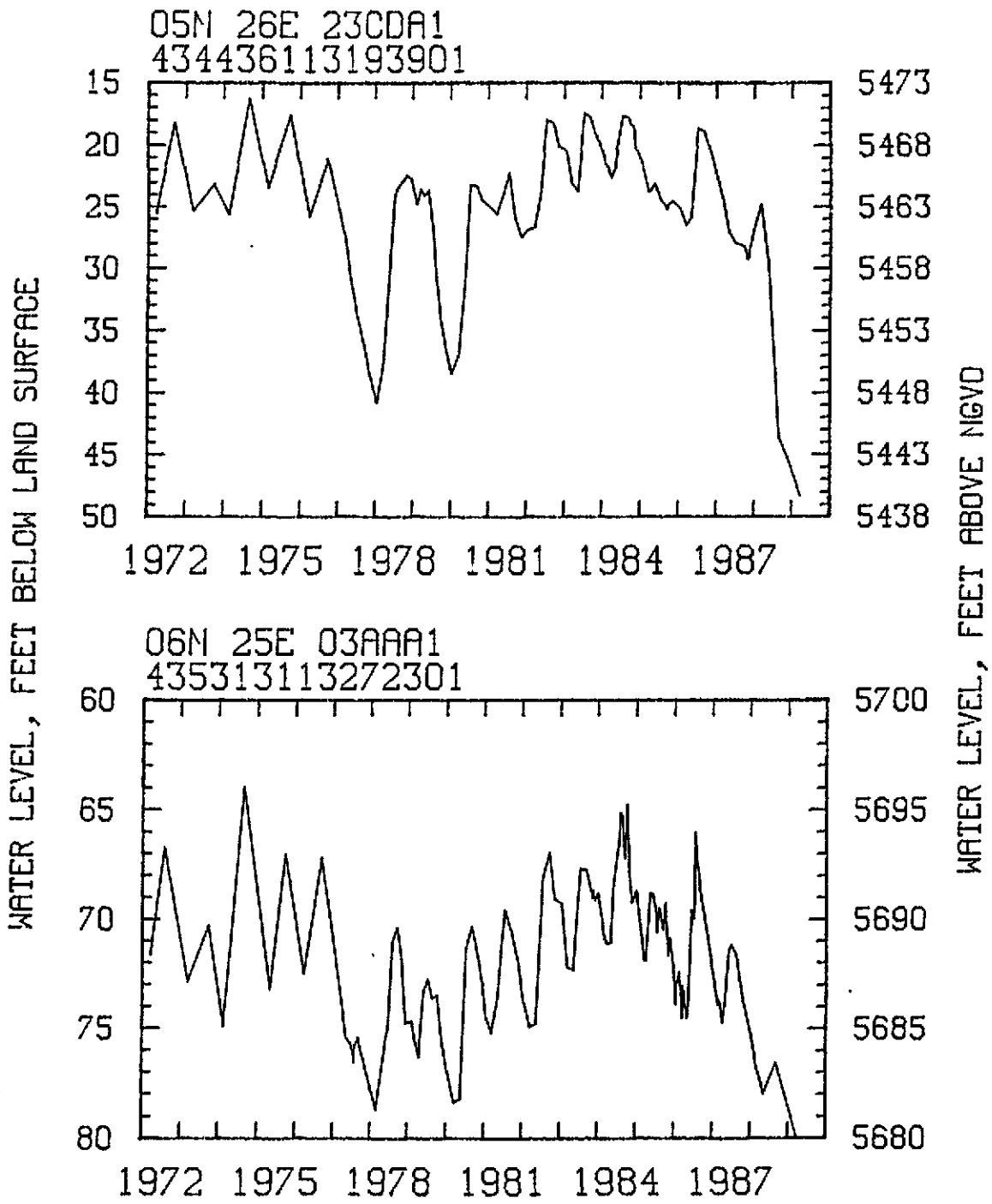


FIGURE 11. Hydrographs of wells 05N26E23CDA1 and 06N25E03AAA1

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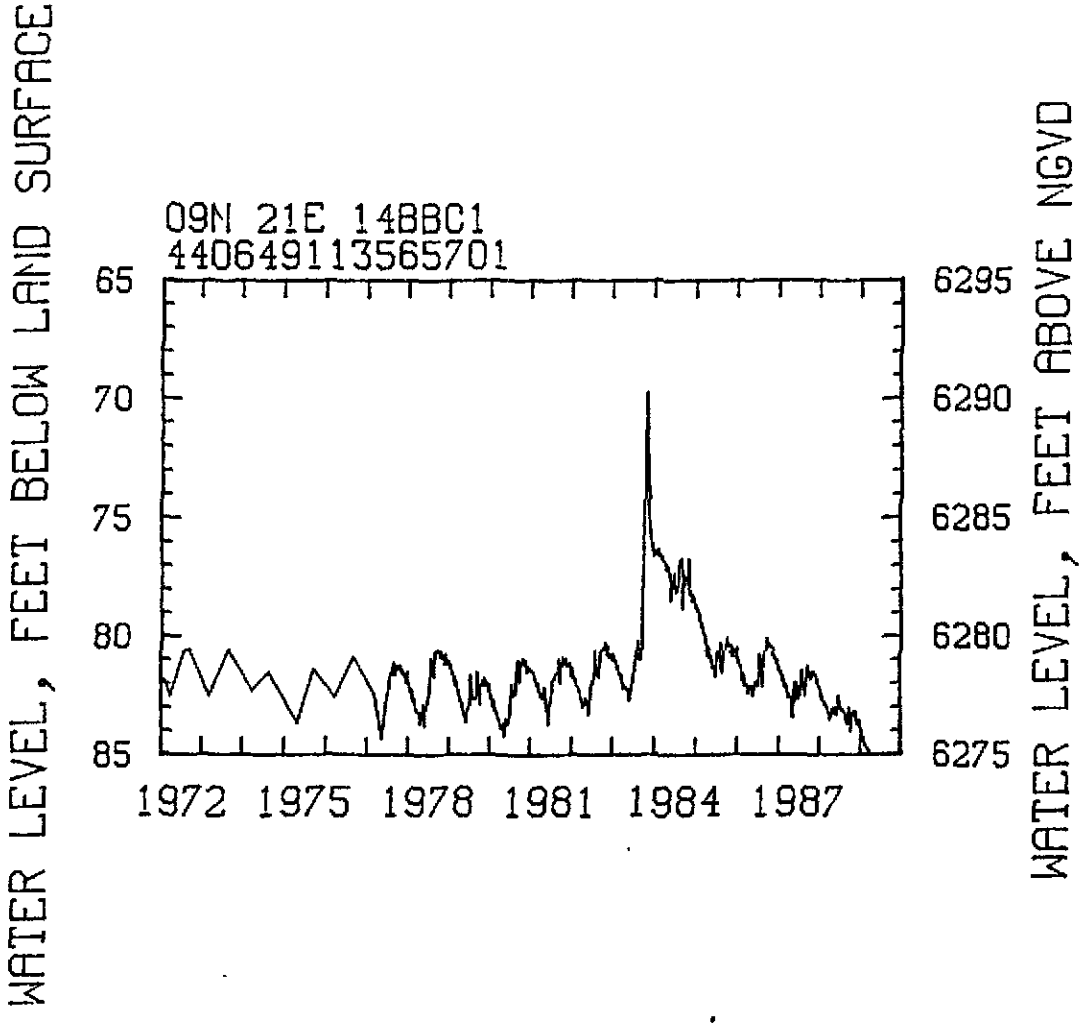


FIGURE 12. Hydrograph of well 09N21E14BBC1.

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aquifer caused by increased development of ground water for irrigation or, perhaps, long-term changes from climatic trends affecting the upper Snake River and tributary basins.

Ground-Water Flow Leaving the Valley

From a point about two miles northwest of Arco, the Big Lost River begins to lose its entire flow to the ground water of the Snake Plain aquifer. Underflow from the Big Lost River Valley also moves southward to enter the Snake Plain aquifer. The 1970 USGS study reported that 425 cfs is the ground-water outflow at the mouth of basin south of Arco. In his 1978 thesis, Newton calculates that 227 cfs passes Moore as ground-water underflow. Down gradient from the Moore area there are wells which penetrate this flow, reducing it by an unknown degree. The cross section in Figure 13 shows the sharp drop in the water table as the alluvium of the valley connects with the highly permeable basalts of the Snake Plain aquifer. If adjustments were to be made to Newton's figure, to include the added ground-water recharge from the river and canals, then the two estimates might be rather similar.

Water Management Possibilities and Options

Ideas Crosthwaite (1970 a and b) presents for water management rest entirely upon the recognition that surface water and ground water are not independent of each other but are directly associated. This understanding leads to proposals of conjunctive use management, something which Crosthwaite mentions frequently.

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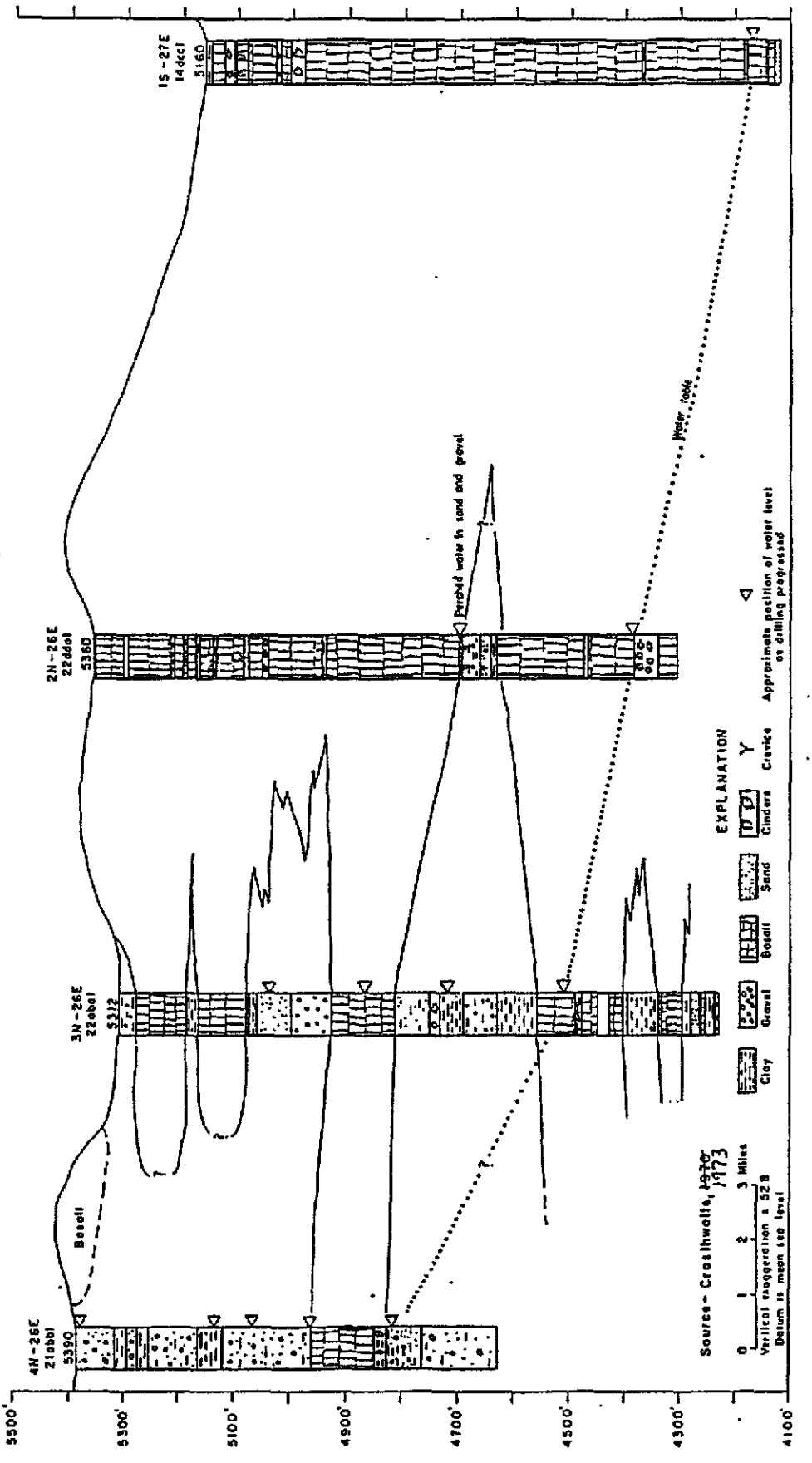


FIGURE 13. Geologic section through observation well near Arco.

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Considering first those measures that would either increase surface water storage, improve the efficient use of surface water or detain surface water for useful application, Crosthwaite proposes:

1) Pumping water, leaking as ground water from Mackay Reservoir back into the reservoir; diverting Lower Cedar Creek to Mackay Reservoir; lining the channel of upper Cedar Creek to Mackay Reservoir.

2) Constructing reservoirs upstream from Mackay Reservoir and using the stored water in a recharge distribution system in the Chilly Sinks area. This recharge to ground water would move into the upstream end of Mackay Reservoir and could be timed so that it would enter the reservoir during times of peak irrigation use. Upstream storage would diminish the adverse effects of flood flows by allowing controlled release of stored surface water to the permeable materials in the Chilly-Barton Flats area where recharge of the ground-water system would occur. Use of the old Utah Construction Co. canal to convey flood flows to the basalt lava plain south of Arco would also be beneficial.

3) Improving surface water irrigation efficiencies and application techniques. Using sprinklers, lining canals, leveling the land, having better control of the length of time water is applied and carefully choosing the length of furrows are steps to insure lower losses

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from the surface water system and to reduce the consumptive use of water by phreatophytes that would otherwise grow along water distribution systems. One of the USGS reports (Crosthwaite et al., 1970b) states that the loss of recharge to the ground-water reservoir from the use of these methods would be an insignificant factor since annual recharge is great.

Regarding ground-water management options, the USGS reports offer the following:

1) While ground water removed from the alluvium between Arco and Moore could be used to irrigate the Era Flats, the pumping would adversely affect surface water flows in this same stretch of the basin. According to limited USGS work done in the 1960's, it seems likely that a deep basalt aquifer and the underlying alluvium, located northwest of Arco, would be a better of source of water since pumping from these aquifers would have less of an undesirable influence on the river. However, the water yielding ability of these aquifers is unknown.

2) Pump ground water from the Chilly area to the upper end of Mackay Reservoir into the reservoir (via lined ditches or pipelines) to augment the storage in the reservoir, making it available later during irrigation season.

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3) Recharge excess surface flows during the period April to June into the highly permeable materials in the Chilly-Barton Flats area. This water dispersed from the Big Lost River into canals and ponds would be discharged from the ground-water system into Mackay Reservoir.

4) Divert surface water below the reservoir, into canals in the late winter-early spring, in order to recharge the sides of the basin.

Conclusions

From understanding of the 1970 USGS reports, I conclude that:

1) Above all else, the surface-water and ground-water systems act interdependently, with a change in one that soon affects the other. The uses of ground water and surface water appear to be in greatest conflict through the pumping in the shallow, localized ground-water system along certain specific river reaches. This is manifested by stream depletion due to the pumping of wells near the river. The effects of depletion are most rapid and severe on streamflow from wells that are shallow and are completed in highly permeable earth materials, yield a large amount of water, are operated for a long length of time, and are close to the river.

2) Considering the total water yield of the basin, there is certainly no shortage. However, it must be expected

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that the pumping of the ground-water system will continue to create imbalance of varying degrees with surface-water supply. This is so because of differing water supply needs among irrigators (i.e., both quantities and length of time wells are pumping). The cumulative effect upon the river and its users from many wells cannot be easily predicted.

3) Although the USGS 1970 reports indicate that wells along certain reaches of the river will not directly affect river flow, it is believed, based on conclusion 1 and fundamental hydrogeologic principles, that ground-water development, occurring in areas where the river is above and not connected with the underlying water table, would alter the ground-water hydraulic gradient. In areas upstream, recharge to the ground-water system furnished by the river would increase and in areas downstream, recharge to the river supplied from the ground-water system would decrease. The net effect then is surface flow reduced by some degree. Below Arco, pumping from the deep regional aquifer should not affect the river flow.

4) The USGS reports point out several shortcomings in the management options listed previously in this study. With the surface-water shortage upstream of Mackay Reservoir, there have been no detailed analyses of storage capacities nor of benefit-cost ratios of

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reservoir construction and operation. In addition, there have been periods when all surface water and tributary ground water upstream from Mackay Reservoir were committed totally to the filling of the reservoir. One of these periods lasted for 10 years. This indicates that replacement schemes using water upstream from the reservoir would not accomplish the desired replacement. For the same reason, the recharging of the Chilly-Barton Flats would not actually be replacement and could cause high water tables just upstream from Mackay Reservoir, so that farming operations would be retarded. In the pumping of the Chilly Flats area to furnish piped or conveyed (without leakage) water to Mackay Reservoir, the swampland in Thousand Springs Valley and in the area just upstream from the reservoir would shrink; crops grown in these tracts, where subirrigation apparently furnishes water to the plants now, would be irrigated with pumped ground water. Lastly, in the plan to recharge the lower basin by running high surface flows in canals from late winter into early spring, it is thought that this water would not be retained sufficiently long in the earth materials but rather would move quickly into the lowlands along the river, recharge the river, and interfere with the cultivation of crops in the low lying lands.

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Perhaps the most vexing aspect though, in the ground-water proposals especially, is that no one knows how the priority system of water rights might be upset. As the reports frequently point out, the Big Lost basin is an ideal one for conjunctive use of water despite the recognition that water users may not be eager to convert to an innovative system of water management. If this or any other management approach is to be undertaken, it is essential that the diversions of surface water be adequately measured. Withdrawals from existing exchange wells should also be measured. A great deal of information on use and time-effect relationships would be needed before conjunctive use could ever be pursued.

5) Despite the fact that ground water is leaving the basin below Arco, to utilize it upbasin from Arco will lead to some cumulative reduction in surface flow in downstream areas. The closer to Arco that any future ground-water uses for irrigation are restricted means that losses in surface water flow will be minimized. The Big Lost River gains no important contribution of ground water south of Arco.

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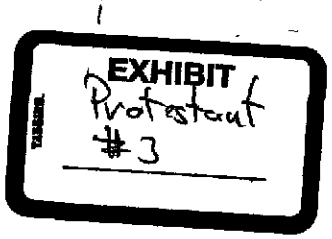
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GROUND-WATER PUMPING IMPACTS ON SURFACE WATER IRRIGATION DIVERSIONS FROM BIG LOST RIVER

by

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Submitted to

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Boise, Idaho

Idaho Water Resources Research Institute
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December, 1991

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ABSTRACT

The water table in the Big Lost River valley is declining due to increased irrigation pumpage and decreased recharge from surface-water irrigation, resulting from the use of more efficient application methods and an accompanying expansion to about twice the irrigated acreage of two decades ago. The lower water table reduces the already deficient river flows, and impacts the senior water rights of many surface water irrigators.

Recorded irrigation diversions have decreased in relation to river flow in the last two decades. Diversions are estimated to be depleted by about 30,000 acre-feet per year in dry periods, such as 1987 through 1990. Depletion of diversions is estimated by a linear relationship to river flow, based on data from below normal water years. Extrapolating that relationship to all years, the depletion in a normal water year is estimated to be 13,000 acre-feet. A negative relationship between ground-water pumpage and river flow was extrapolated to estimate pumpage as 47,000 acre-feet during a normal water year.

Senior surface-water irrigators are due mitigation from those depleting river flows. The mitigation may take any of several forms, but should be supported by a self-funding group of ground-water, or combined surface and ground-water irrigators in the valley.

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STATEMENT OF THE PROBLEM

Many irrigation wells have been constructed in Big Lost River valley since 1960. The ground-water resource over much of the valley is hydraulically interconnected with the Big Lost River; consequently, ground-water pumpers often are accused of depleting the already deficient supplies of surface water irrigators. The water right priorities of surface water irrigators generally are far senior to ground-water users, suggesting that the liability for stream depletion rests with the ground-water pumpers.

The stream depletion issue is clouded by several factors. The complicating conditions include:

1) River depletion by ground-water pumping is neither instantaneous nor equal in magnitude to the amount of water pumped. The attenuation of pumping effects are influenced by the location of the well with respect to hydraulically connected reaches of the river, the physical properties of the aquifer formation, and the depth from which the well extracts water.

2) The river reaches that are hydraulically connected to the ground water and the degree of hydraulic interconnection vary from year to year, and even from season to season, depending upon the depth of the water table. During droughts, the water table in the lower parts of the valley drops well below the river bottom, and the effects of further decline in water table are probably minimal.

3) Surface water often is conveyed through the canals rather than the river channel to reduce seepage losses. Therefore, pumping impacts on surface water also are related to canal seepage in the lower valley.

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4) Ground-water pumping is only one component of a combination of factors that are impacting ground-water levels and the depletion of surface water supplies. The greatest impact results from variation in precipitation. In addition to climatic variability, the widespread conversion from flood irrigation to sprinklers, and the associated expansion of irrigated acreage, have diminished ground-water recharge and increased discharge.

Ground-water pumping undoubtedly is one of several developments which affects flows in the surface channels in Big Lost River valley. Water supply conditions of earlier years, however, can only be restored fully by returning to the practices and irrigated acreage of those years. The economic consequences of such drastic measures would certainly be severe and undesirable. Resolution of the conflict for the water resources should therefore focus on an efficient and equitable use of the resource, based on the appropriate legal considerations and the best available hydrologic knowledge.

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OBJECTIVES

The general objective of this report is to assess the impact of ground-water pumping on surface-water flows and evaluate the alternatives for resolution of the conflict. Specific objectives include:

1) to develop an understanding of the operation of the irrigation system in Big Lost River valley, and the historic changes that have occurred in that system,

2) to collect, assemble, and summarize the available and pertinent information on the water supply and irrigation diversions in the valley,

3) to relate changes in available water to changes in irrigation practices in the valley, especially the expansion of ground-water pumping,

4) as far as possible, to quantify the impact of ground-water pumping on surface water supply, and describe the limitations and assumptions associated with that determination, and

5) to recommend a procedure or procedures for compensating surface water users for flows lost as a result of ground-water pumping.

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METHODS OF ANALYSIS AND DATA DESCRIPTION

In this study, the effects of pumping on surface-water supplies are evaluated by examination of historic changes in water supply and delivery that have occurred since the expansion of ground-water pumping, beginning about 1960. This method requires long-term records of precipitation, river discharge, and irrigation diversions.

Climatic variations have had a significant impact on water availability in the basin. However, the effects of climate variation on the results of this study were minimized by comparison of similar water years and the use of long periods of record.

Big Lost River discharge is available from U.S. Geological Survey Records for extended periods at three stations: 1) at Howell Ranch (13120500) in the upper part of the valley, 2) below Mackay Dam (13127000), and 3) below Arco (13132500). The locations of these stations are shown in figure 1. Data on summer flows at Howell Ranch are available for all years as early as 1920. Year-round data is available since 1949. There are about 3,000 acres of irrigated land above the Howell gage (U.S. Geological Survey, 1991). The station below Mackay Dam includes all water released from Mackay Reservoir except that diverted in the Sharp ditch. The discharge of the Sharp ditch has been recorded in watermaster records for Water District 34. A

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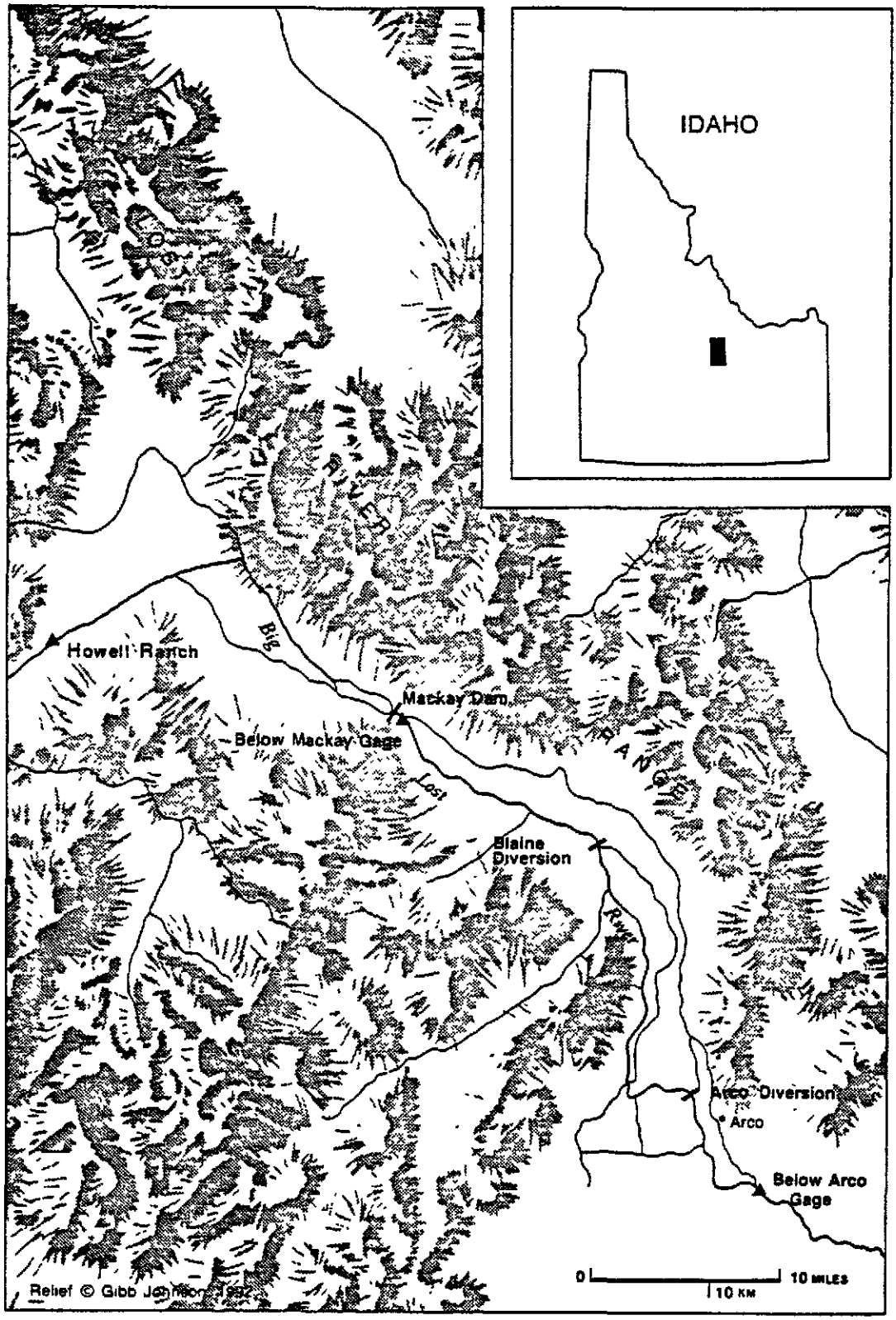


Figure 1. Map of Big Lost River Valley.

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continuous record is available from the station since 1919. The station below Arco is below all major irrigation diversions in the Big Lost River valley. Discharge at the Arco station is available from 1946 through 1961, 1966 through 1980, and from 1982 through 1990. Storage in Mackay Reservoir also is available continuously since 1919. Monthly values of river flows and reservoir storage are listed in Appendix A.

Irrigation diversion records for the Big Lost River Water District dating back to 1923 were collected from the Idaho Department of Water Resources for this study. Annual summaries, prepared by the watermaster of Water District 34, were the source of information on the monthly volume of irrigation diversions for four reaches of Big Lost River (shown in figure 1): 1) Above Mackay Dam, 2) Mackay Dam to Blaine Diversion, 3) Blaine Diversion to Arco, and 4) below Arco. In the early records, the diversions were only distributed into two reaches: Above and below Mackay Dam. Annual summaries could not be obtained for 1938, 1939, 1941, 1955, and 1971 water years. Monthly diversion data from 1922 through 1990 are presented in Appendix B.

The validity of diversion records is uncertain. Changes in watermasters and measuring devices may have caused differences in diversion records over the years. Although the results of this study are sensitive to the

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accuracy of the records, methods of analysis are employed that minimize that sensitivity.

Monthly values of river discharge, reservoir storage, precipitation at Mackay and Arco, and irrigation diversions were compiled and stored in a DBASE III+ format. These records were analyzed graphically and statistically using several commercially available software packages.

The water year used by the Big Lost River Water District 34, extending from November 1 to October 31 of the following year, was used as the base for all annual values presented in this report. Flow and storage volumes are consistently presented in acre-feet.

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WATER SUPPLY AND IRRIGATION IN BIG LOST RIVER VALLEY

The Big Lost River basin is a mostly mountainous area of 1,400 square miles in south-central Idaho (figure 1). The area is drained by the Big Lost River and tributaries. All surface-water and ground-water discharge from the basin is tributary to the Snake Plain aquifer. The estimated average annual water yield of the basin is 470,000 acre-feet (Crosthwaite and others, 1970). In 1970, Crosthwaite and others estimated that an average of 54,000 acre-feet were lost as surface water discharge to the Snake River plain, 308,000 acre-feet were discharged as subsurface flow, and 109,000 acre-feet were lost by evapotranspiration, annually. Mackay Reservoir, on the Big Lost River near Mackay, has a current storage capacity of about 44,000 acre-feet, and is principally used to store snowmelt runoff for irrigation.

Irrigated agriculture is concentrated on the coarse alluvial deposits of the Big Lost River valley. In 1970, Crosthwaite and others estimated the acreage irrigated by flow from Big Lost River above Mackay Reservoir to be 12,680 acres, and 36,540 acres irrigated below the reservoir. They determined that an additional 8,500 acres were irrigated from ground-water, at that time. Prior to 1960, stream flow supplied nearly all the irrigation water. However, since 1960, many wells have been constructed to supplement the surface water supplies and irrigate new lands.

Concurrently, there has been a partial conversion from flood irrigation to sprinkler application methods and an expansion of the irrigated acreage.

The Big Lost River basin is divided into two principal parts for this analysis, above and below Mackay Dam. These areas represent distinct and somewhat independent units from water supply and irrigation management perspectives. This report focuses on lands below the dam, where most of the recent irrigation development has occurred. Irrigation below Mackay Dam is regulated separately from that above the dam except in periods of high flow, when the river is considered to be a single water body throughout its entire length. Irrigation supplies below the dam are supplemented by reservoir storage. Big Lost River flow below Mackay Dam is measured by a gaging station near Mackay and a station on the Sharp irrigation ditch. A relatively small amount of underflow, 15 cfs (Crosthwaite and others, 1970), is estimated to occur in the alluvium at the gaging station near Mackay. Several small tributaries to Big Lost River also contribute to water supply below the dam.

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HISTORIC WATER SUPPLY PATTERNS

Annual and seasonal variations in precipitation on the Lost River watershed result in variations in streamflow and in the amount of water available for irrigation and for ground-water recharge. The total annual, and winter precipitation at Mackay for the period of 1925 through 1989 are shown in figure 2. Annual values are expressed on a water year basis, extending from November 1 through October 31 of the following year, matching the water year normally used by the water district. Low elevation annual precipitation records, such as at Mackay, do not show a high degree of correlation to annual stream flow. Only the general wet and dry periods of precipitation at Mackay are reflected in flow of the Big Lost River at the three primary gaging stations. Bar graphs illustrating discharge in each water year (November through October) at Howell Ranch (station 13120500) and at the gaging station below Mackay Dam (station 13127000) are shown in figures 3 and 4. Flow in the Big Lost River below Arco (station 13132500) is more variable (figure 5) and includes several years with zero discharge. The monthly discharge at each of the gaging stations and the volume of water stored in Mackay Reservoir are listed in Appendix A. The median flow at Howell Ranch (1925 - 1990) is 238,000 acre-feet, below Mackay Dam (1925 - 1990) is 214,000 acre-feet, and median flow below Arco (1947

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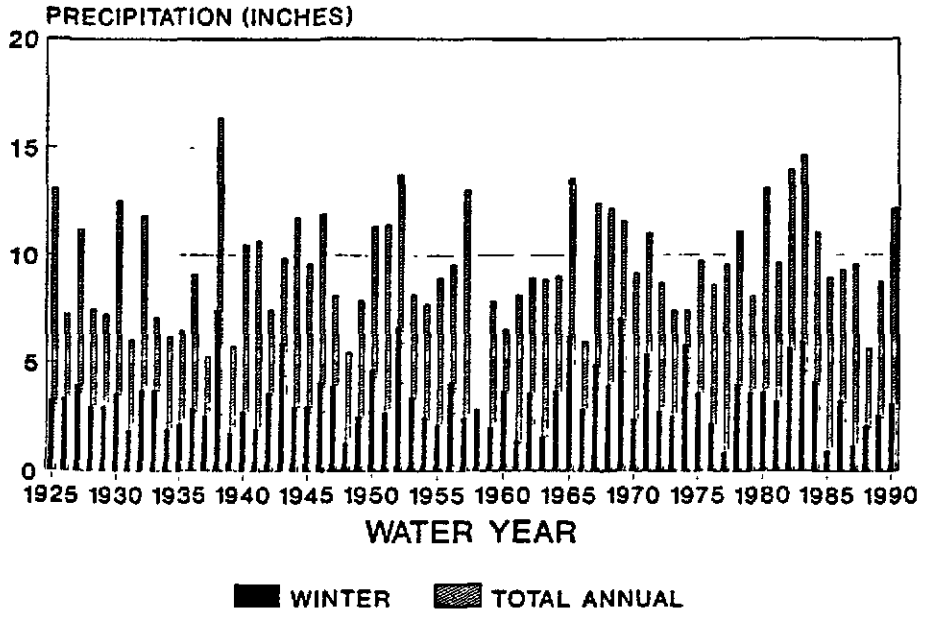


Figure 2. Precipitation at Mackay

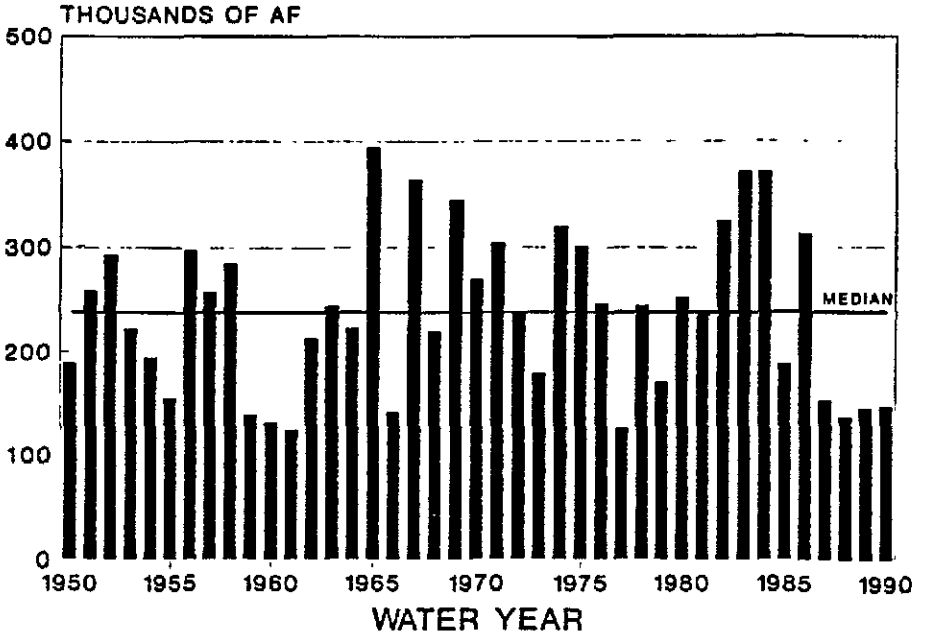


Figure 3. Big Lost River Discharge at Howell Ranch.

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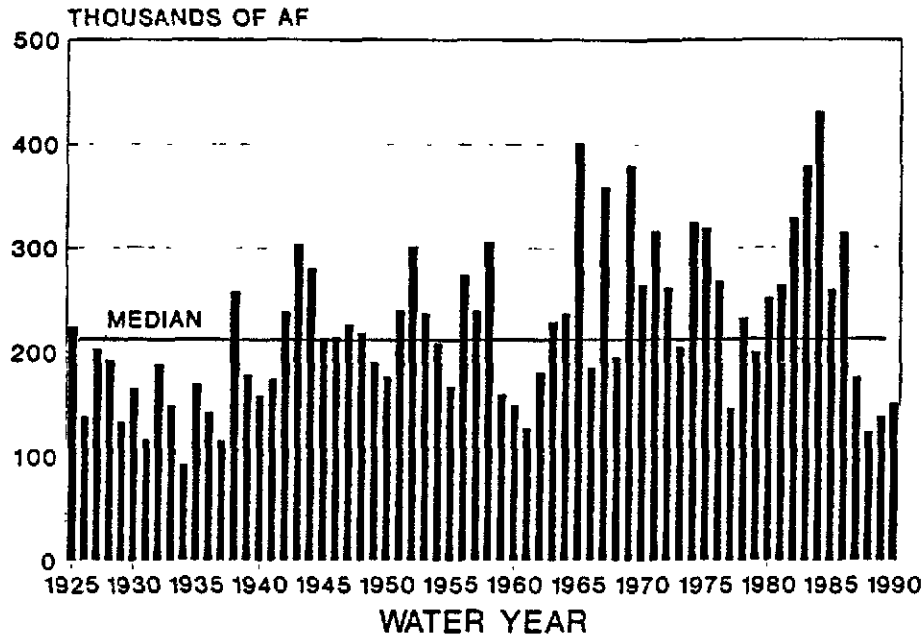


Figure 4. Big Lost River Discharge Below Mackay Dam.

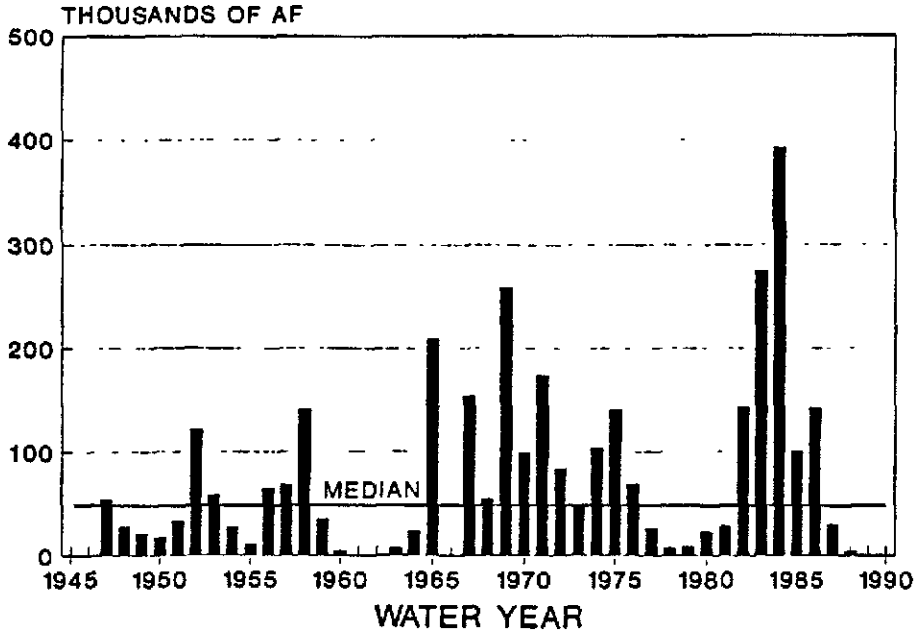


Figure 5. Big Lost River Discharge Below Arco.

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- 1990) is 47,000 acre-feet. Annual and monthly flows below Mackay and below Arco are not adjusted for changes in storage in Mackay Reservoir.

Droughts, sometimes extending for several years, have been experienced several times during the history of irrigation in Big Lost River valley. Recent competition for water supply has been accentuated by the drought conditions experienced since 1986. River flow below Mackay Dam during the drought of 1987 through 1990 is similar to flow during the 1959 to 1962 period. The drought of the early 1930's is similar, but of longer duration than the current drought (through 1990). Mean river flows and irrigation diversions below Mackay Dam for the 1959 to 1962, and 1987 to 1990, periods are presented in table 1. River flows at the three gaging stations during the 1987 to 1990 period are slightly less than the flows during the 1959 to 1962 period. Diversions show a greater relative difference between the two periods than river flows. Average flow below Mackay dam varied only 4 percent between the two periods; but irrigation diversions below Mackay dam averaged 30 percent less in the later period.

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Table 1. Mean River Flow and Diversion Comparison, 1959 to 1962 and 1987 to 1990.

Period	Howell	Mackay	Arco	Diversions Below Mackay
	Acre-Feet/Year			
1959-1962	152,200	154,000	6,600	110,900
1987-1990	136,491	147,900	5,800	77,600
Ratio[1]	0.90	0.96	0.88	0.70

[1] Ratio = (mean for 1987 to 1990) / (mean for 1959 to 1962)

HISTORIC PATTERNS IN IRRIGATION DIVERSIONS

Surface Water Diversions

Monthly diversion data are available from the District 34 Watermaster Annual Summaries for each canal, and sometimes by river reach. The temporal comparability of these records, however, is compromised by the changes that have taken place in the irrigation system over the decades. Some canals have changed names or service areas. Water transfers and exchanges have also occurred, changing the point of diversion from the river. The most valid year-to-year comparisons probably can be made on the total diversions for the two river segments, above and below Mackay Dam. Comparisons of diversions may also be possible within the smaller river reaches frequently reported in the Annual Summaries:

1) Above Mackay Dam,
2) Mackay Dam to Blaine Diversion,
3) Blaine Diversion to Arco Diversion, and
4) below Arco Diversion.

However, the reach diversions may have changed because of changes within the irrigation system. This report concentrates on the diversions below Mackay Dam, since this part of the valley has experienced the most extensive ground-water development.

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Diversion data reported in the Watermaster Annual Summaries represent the measured or estimated flows at the point of diversion of each canal from Big Lost River. The magnitude of the diversions are affected by:

1) the water supply in the river,
2) the demand for water, and
3) river gains and losses.

The third factor, river gains and losses, is the component which is impacted by ground-water pumping. The means of measuring or estimating diversions has changed with time and the reliability of the reported values has also changed. Apparently, less emphasis was placed on water measurement and record keeping from 1973 through 1985, and consequently the records may be less reliable during this period.

At times during most years, the demand for water exceeds the available supply, and diversions are strongly related to the flow in the river below Mackay Dam. This relationship is shown by the nearly parallel distributions of annual diversions and river flows presented in figure 6. Several years are absent from the graph of figure 6, where data are missing or incomplete. A notable feature of figure 6 is the increased difference between river flow below Mackay Dam and irrigation diversions after 1965. In years of below normal river flow below Mackay, the mean ratios of annual diversions to river flow below Mackay (including

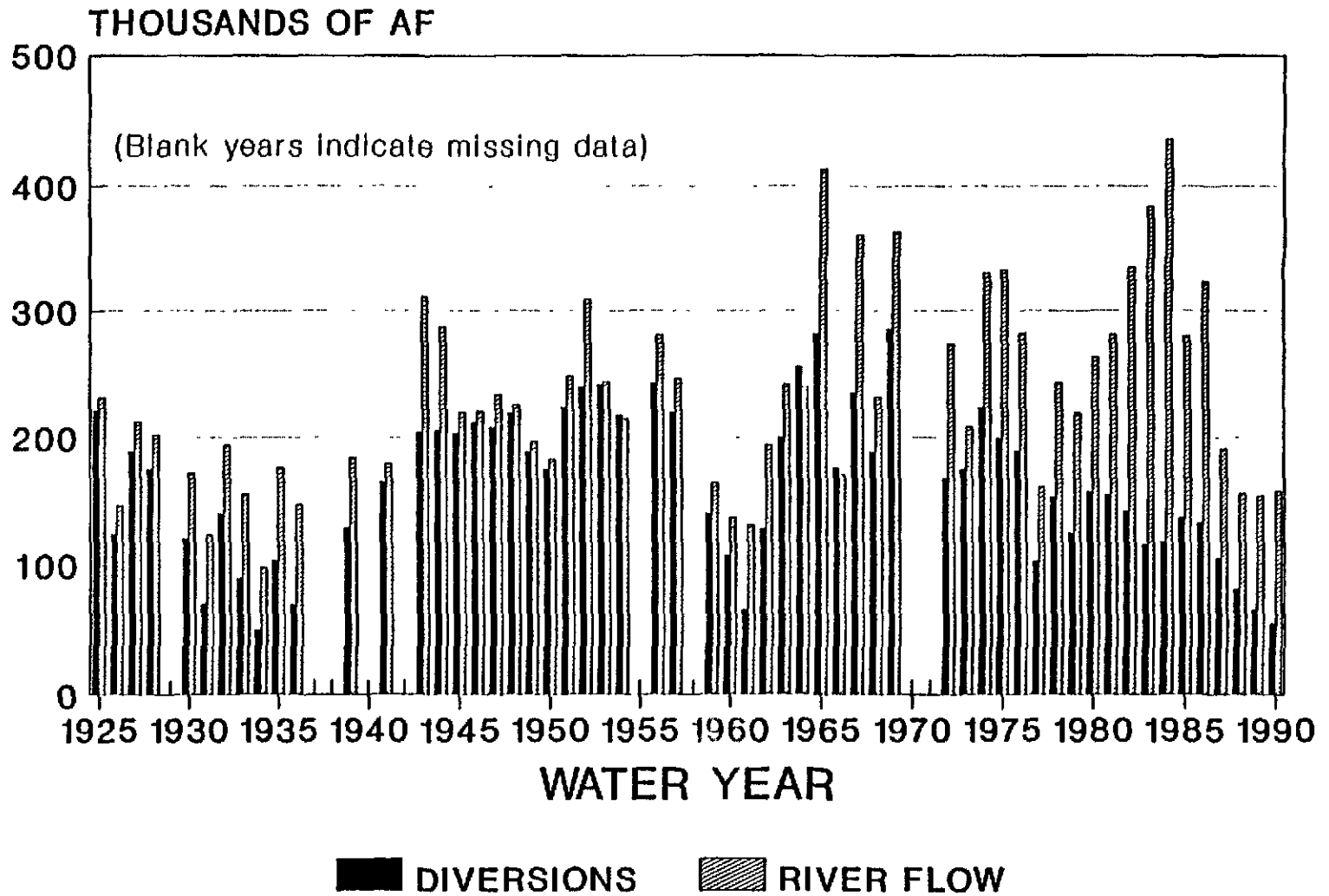


Figure 6. Annual Diversions and River Flow Below Mackay Dam.

Sharp ditch and pumpage additions) is 0.80 for the period before 1965, and 0.59 for 1965 and after.

Diversions in high water years are generally limited by demand rather than water supply. In some high water years in the early 1980's, the recorded diversions were substantially less than in many previous years of lower water supply. In 1984, the watermaster report indicated that all rights were filled all season, with only 50 percent of the water diverted during the growing season as in previous high water years, like 1965. This difference suggests that either the watermaster records are in error, or the demand for surface water has declined during the 1980's. The former seems to be the more likely possibility.

Ground-Water Diversions

The amount of ground-water pumpage for irrigation changes from year to year in response to variations in irrigation demand and the changing degree of irrigation development in the valley. Prior to 1960, only a few irrigation wells were present in the valley. The drought of the early 1960's combined with other development incentives, however, resulted in a boom in ground-water development in the early 1960's, and again in the early to middle 1970's. The quantity of ground water pumped during these years is unknown, except for the 1984 through 1990 period which is addressed in a following chapter, "Estimation of Irrigation

Pumpage." Historic changes in ground-water development are reflected by the amount of ground-water claimed in water rights filings with the Idaho Department of Water Resources. Figure 7 illustrates changes in the cumulative total of ground-water rights claims in Big Lost River valley. The extensive claims with priorities dating to the early 1960's and 1970's indicate the rapid rate of growth of ground-water development during these periods. The amount of ground-water claims provide an approximate indicator of the potential for ground-water pumping. It does not imply the amount of actual pumping due to the effects of weather and other factors.

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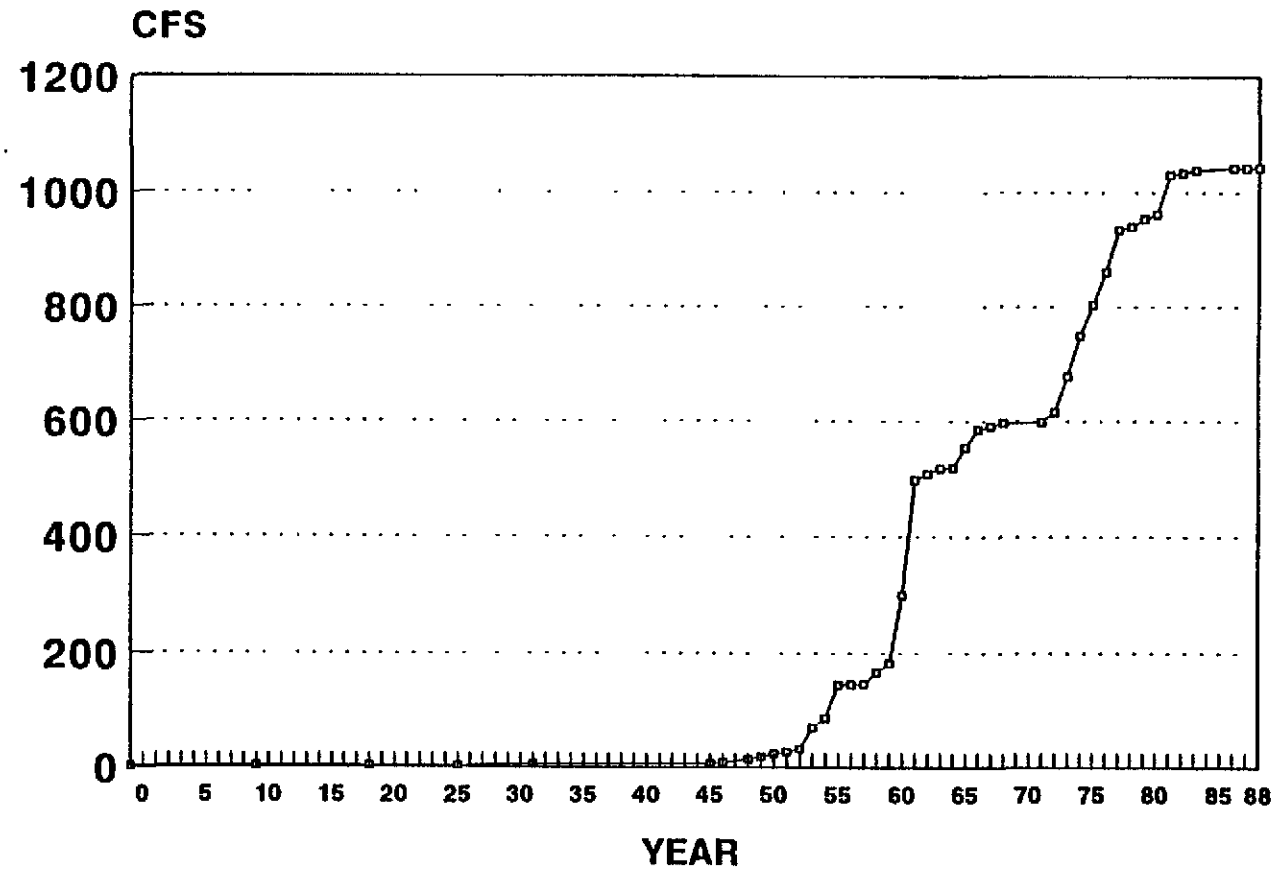


Figure 7. Historic Changes In Ground-Water Claims In Big Lost River Valley (from the Idaho Department of Water Resources).

COMPARISON OF DIVERSIONS TO RIVER FLOW

In most years, surface water diversions for irrigation are limited by the available supply. During these years a strong relationship exists between flow in the Big Lost River below Mackay Dam and irrigation diversions below the dam. A scatter plot of annual river flow against diversion data for all years with complete record, from 1923 through 1990, is presented in figure 8. The water year associated with each point is given by the two digit number at the appropriate grid point. An approximately linear relationship is apparent during years where river discharge is less than about 250,000 acre-feet. In years with high flow, however, little or no relationship is apparent. The low ratio of diversions to river flow in the 1980's does not appear to be due to intense, short duration runoff. Diversions in high water years in the 1980's are substantially less than in earlier high water years, as was also apparent from figure 6. Scatter plots based on flow during the growing season appear similar, and consequently, are not presented.

The impacts of development on hydrologic observations, or systematic changes in the method of measurement, are often apparent in a double-mass balance graph. A double-mass balance plots the cumulative volume of one station

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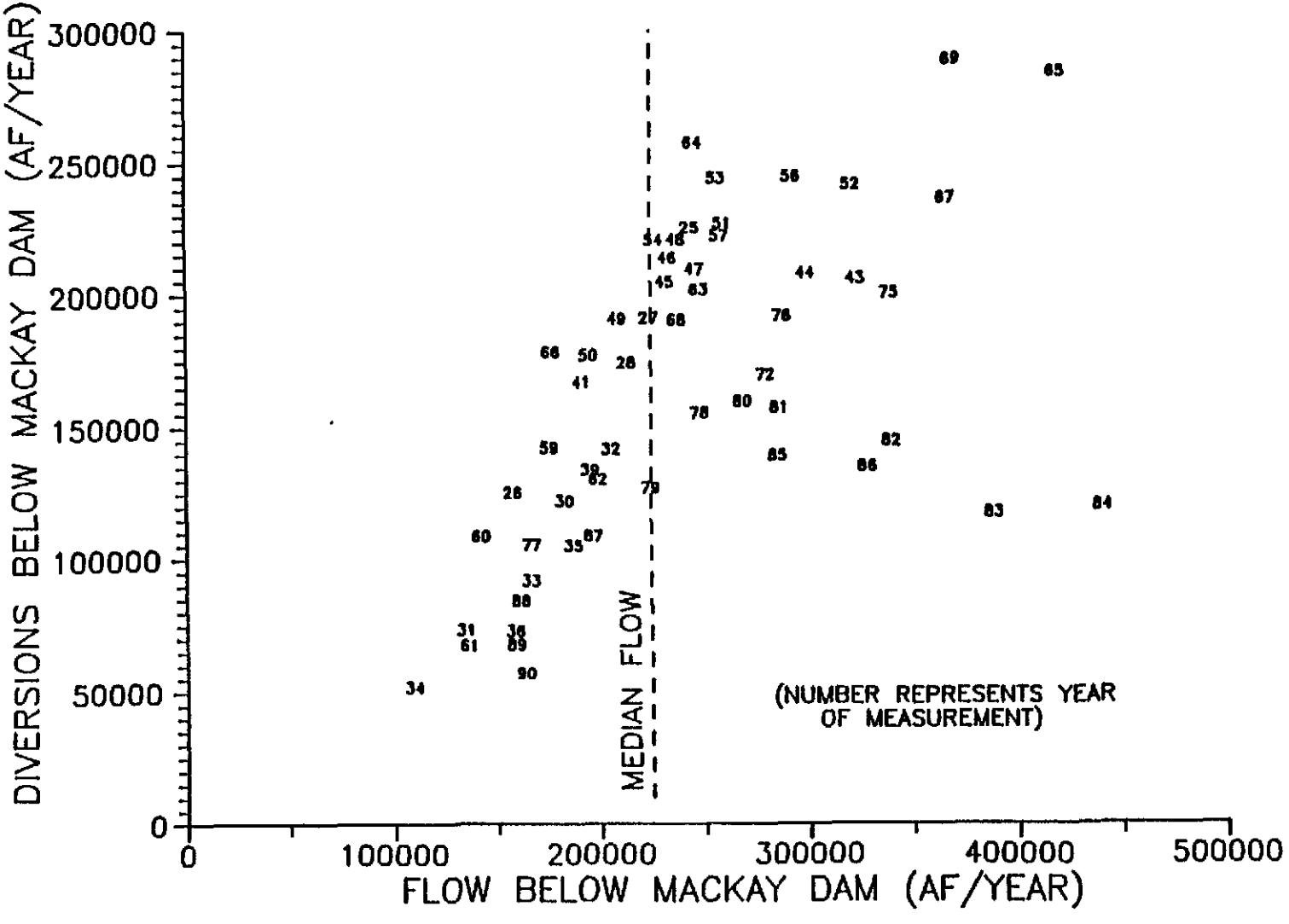


Figure 8. Scatter Plot of Diversions Against River Flow Below Mackay Dam.

against the cumulative volume at a second station, or set of stations. Figure 9 shows application of the double-mass balance to display changes in the relationship between river flow below Mackay Dam and irrigation diversions above and below the dam.

Long-term changes in slope of a double-mass balance would indicate that the relationship between diversions and river flow has changed. Changes in slope are most apparent in the line representing diversions below Mackay Dam. Some of the curvature is due to differences in the relationship between diversions and river flow at high and low flows. In addition to this, however, there appears to be a general flattening of the slope (below Mackay Dam) beginning about 1960, and more noticeably, after about 1970. This indicates that either the proportion of river flow diverted for irrigation has been reduced, or that a new watermaster made significant changes in measurement methods and record keeping.

A straight line plot on the double-mass balance indicates that no change has occurred in the relationship between river flow and diversions, nor in the validity of the measurements. The diversions above Mackay Dam, in contrast to those below the dam, plot as a relatively straight line in figure 9. However, a slight change in slope is apparent before 1940, and after 1983. The relative linearity of the plot representing diversions above the dam,

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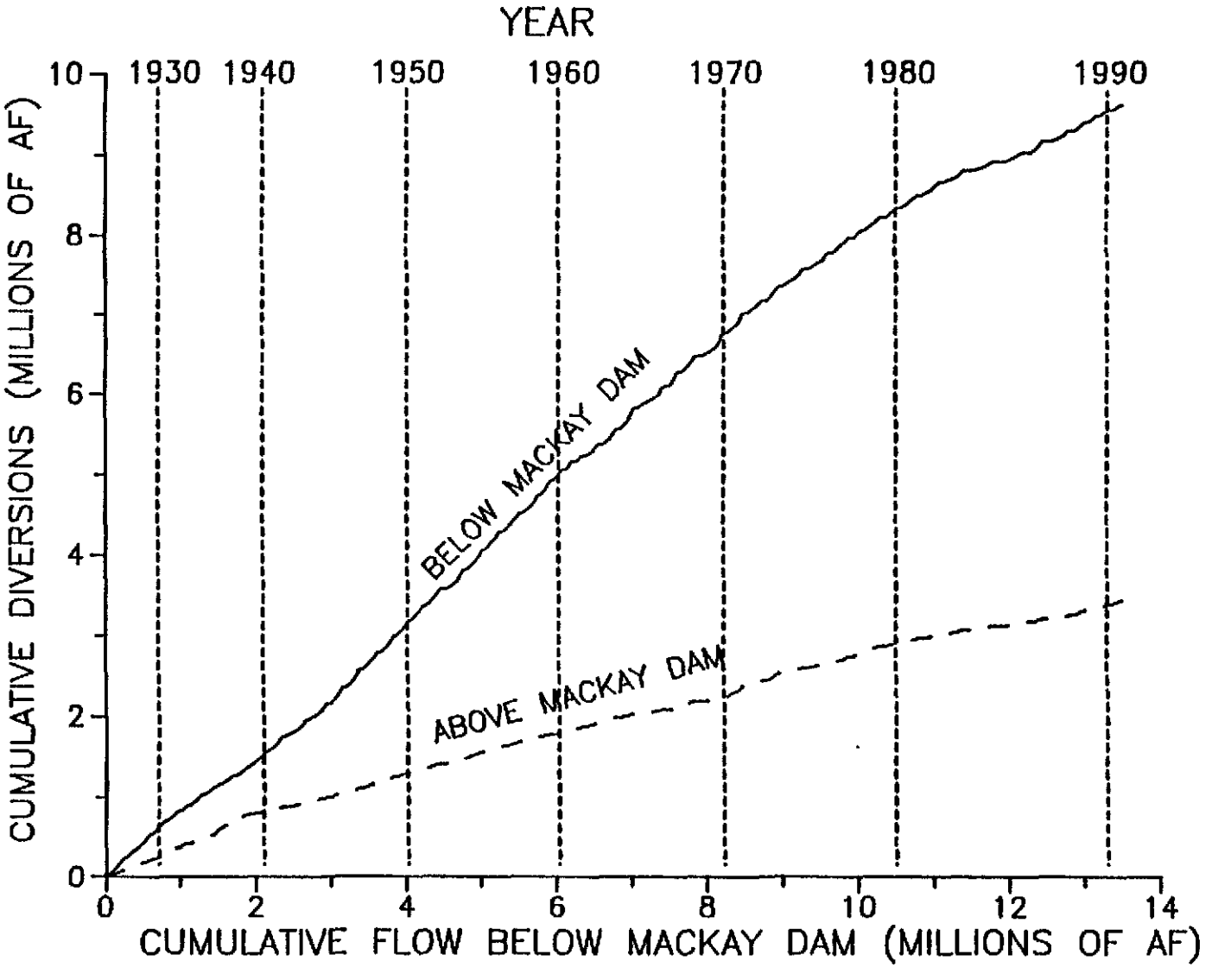


Figure 9. Double Mass Balance of Diversions Above and Below Mackay Dam Against River Flow Below Mackay Dam.

coupled with the relatively unchanging irrigation practices in that area, lends credibility to the double-mass balance as a method of observing the impacts of development.

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ESTIMATION OF DIVERSION DEPLETION

Irrigation of new lands in, and near Big Lost River valley, has been made possible by the conversion to more efficient sprinkler irrigation, and by the construction of irrigation wells. The expanded irrigated areas transpire more water than the smaller, and partially irrigated, areas of earlier years. Ground-water withdrawals for irrigation, and diminished recharge from sprinkler irrigated lands has caused a general decline in the water table in the valley. The lower water table results in increased seepage losses from the river and reduced ground-water inflow. The increase in river losses results in less water being available for diversion into the canal systems of the valley. The objective of this section of the report is to estimate the amount of depletion of diversions that has occurred from the combined effects of expanded irrigation, conversion to sprinklers, and ground-water pumpage.

Two methods are applied to estimate diversion depletion from the diversion and river flow data. The methods rely on different periods of record to minimize the effects that different record keeping and measurement procedures may have on conclusions.

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Method 1: Comparison of Periods of Similar Water Supply

Depletion of diversions is estimated by comparison of periods of relatively similar water years, before and after the extensive development of the 1960's and 1970's. The periods from 1959 through 1962, and 1987 through 1990, are suitable for this type of comparison (table 1). The ratio of irrigation diversions to river flow below Mackay Dam is 0.72 for the pre-development period of 1959 through 1962. During the 1987 through 1990 period, the respective ratio is 0.52. The difference between these ratios (0.20), multiplied by the average annual river flow during the periods of estimation of 147,000 acre-feet, yields an estimate of average diversion depletion for that period equal to 29,600 acre-feet per year.

Flow during the periods of analysis was below normal, and the estimated depletion is, therefore, representative of below normal flow conditions in the river. This method provides no information on how depletion changes in times of different water supply.

Method 2: Differences in Regression Lines

The competition for water supply in Big Lost River valley is most intense in low water years. Low water years are also those which display a relatively strong linear relationship between annual irrigation diversions and river

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flow below Mackay Dam. Figure 10 shows the relationships between diversions and river flow for two periods during years in which flow below Mackay Dam was less than normal (220,000 AF). The period before 1960 represents the era prior to extensive irrigation expansion and ground-water development. The second period presented in figure 10, from 1960 through 1990, represents the era of transition to sprinklers, expanding acreage, and increasing ground-water development. The solid line in figure 10 is a regression line based on below normal flows prior to 1960. The dashed line is based on below normal flows from 1960 through 1990. The mathematical expressions of the two lines are as follows:

Before 1960,

$$DIVERSIONS = -86799 + 1.300 \times FLOW$$
$$r^2 = 0.77 \text{ , and}$$

1960 and after,

$$DIVERSIONS = -123{,}104 + 1.405 \times FLOW$$
$$r^2 = 0.73 \text{ ,}$$

where:

DIVERSIONS = Annual irrigation diversions below Mackay Dam in acre-feet, and

FLOW = Annual discharge of Big Lost River below Mackay Dam, including Sharp ditch, in acre-feet.

The difference between the two regression lines of figure 10 indicates that changes in irrigation practices and ground-water pumpage probably have impacted the available

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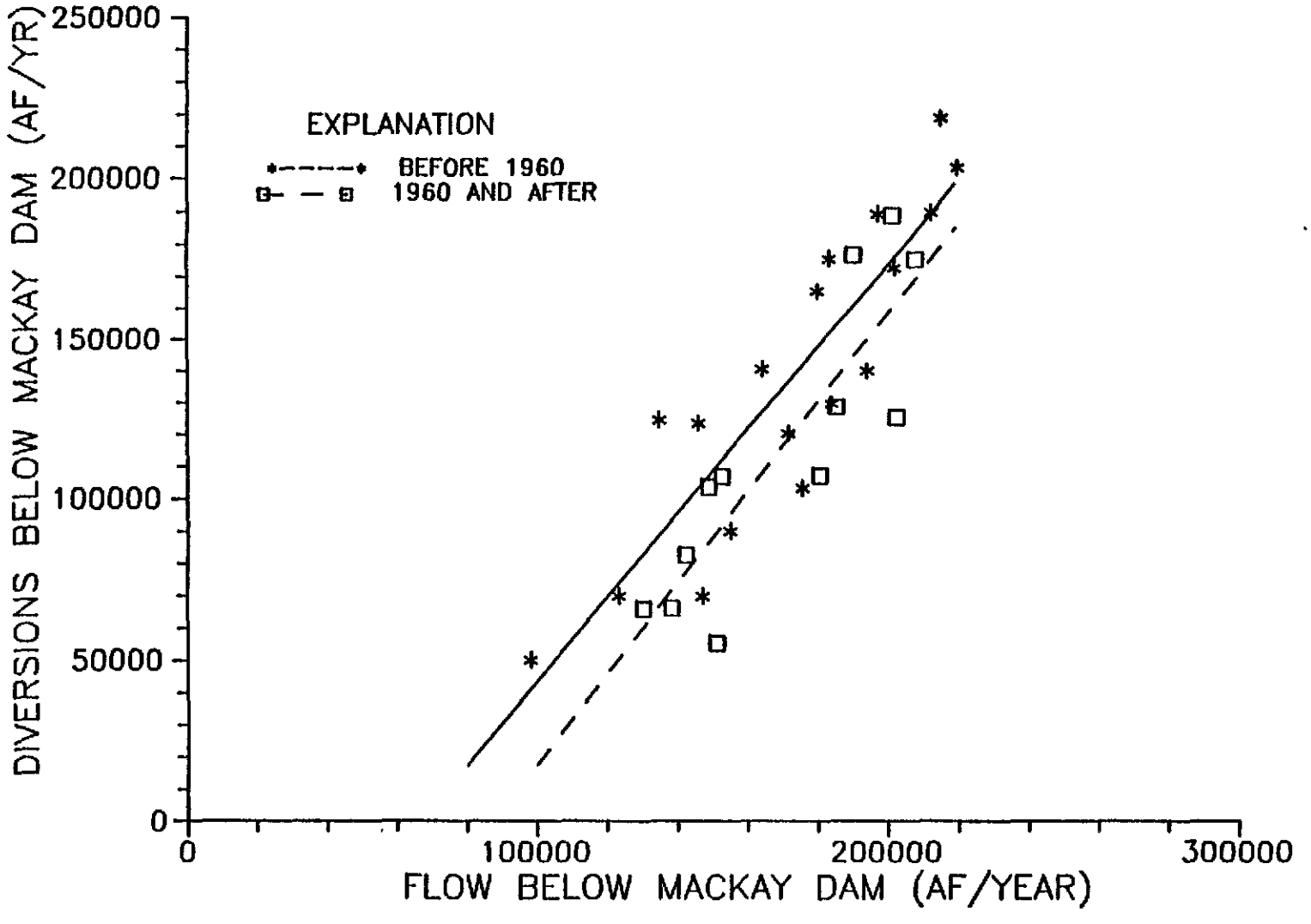


Figure 10. Irrigation Diversions and River Flow Regression For Below Normal Flow Years, Before and after 1960.

surface-water supply. That impact has been the result of a lower water table that induces more river losses and decreases gains. In below normal flow years, the average impact can be estimated as the difference between the two regression lines. Subtracting the second equation (1960 - 1990) from the first (before 1960), yields the following equation for difference, as a function of river flow:

DEPLETION = 36,300 - 0.1055 x FLOW

where

DEPLETION = estimated annual diversion depletion in acre-feet, and

FLOW = annual river flow below Mackay Dam, including Sharp ditch, in acre-feet.

Diversion depletion estimated by the above equation decreases as annual river flow increases. This may be related to the increased ground-water pumpage needed to supplement surface water supplies during dry years. For the 1987 to 1990 period used in derivation of Method 1, the river flow below Mackay averaged 147,000 acre-feet. The estimated depletion of diversions is 20,800 acre-feet for that period. In the normal year the river flow below Mackay Dam is about 220,000 acre-feet, and the estimated depletion of diversions is 13,100 acre-feet.

This method "averages out" differences in diversions for two periods of 18 years (before 1960), and 12 years (1960 and after) of record. The effects of development,

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however, are certainly not fully apparent by the 1960's and therefore, this method may tend to underestimate the impacts on diversions. The post-development period was not represented with more recent data in order to contrast the first method of estimation, and because of lack of confidence in regression based on only a few data points. The regression equations also only describe the general relationship between diversions and river flow. A little more than 70 percent of the variation in diversions can be accounted for by variation in river flow. The remainder is attributed to other factors such as residual effects from the previous year. The post-development period was not limited to more recent years in order to contrast the first method of estimation, and because of the lack of confidence in regression based on only a few data points. It is acknowledged that different regressions can be developed by the selection of different periods of record.

Comparison of Methods for Estimating Depletion

The most valid period for comparison of Methods 1 and 2 is for those years used in derivation of Method 1, from 1987 through 1990. In this period, depletion estimated by the first method is about 30,000 acre-feet per year. The second method, based on the difference between regression equations, estimates the diversion depletion to be about 21,000 acre-feet per year, for the same river flow

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conditions. The smaller value of the second estimate may be due to the use of a longer period of post-development record, which included the transitional years in which irrigation development was taking place, and impacts were not fully evolved.

The first estimation method, based on comparison of two periods of similar river flow, provides a depletion estimate for specific low river flow periods. The second method is somewhat more versatile, estimating depletion as a function of flow based on below normal water years. Neither method specifically addresses estimation of depletion during periods of above normal river flow.

In above normal water years, a surplus of water often exists during spring and early summer. By late summer, however, surface water supplies may be inadequate to meet crop demands. The deficiencies during this time are probably amplified by increased seepage and decreased river inflow, induced by irrigation expansion and ground-water pumpage.

Extrapolation of the second, regression-based method, to years of above normal river flow provides reasonable estimates of diversion depletion; even though the method is based on below normal water years. It is recognized that extrapolation of this method to above normal flow years can not be supported conceptually; but this procedure may be the best available means of estimation. Depletion, calculated

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by this method, decreases in years of increasing river flow. The estimated depletion ultimately becomes zero when the annual discharge of Big Lost River below Mackay Dam (including Sharp Ditch) exceeds 344,000 acre-feet.

The frequency of occurrence of depletion volumes can be predicted by applying the depletion equation of Method 2 to historic river flow records. A depletion duration curve, produced in this manner, is presented in figure 11. According to figure 11, no depletion occurs in about 4 percent of the years, and, in contrast, 18 percent of the time depletion estimated by this method would be in excess of 20,000 acre-feet per year.

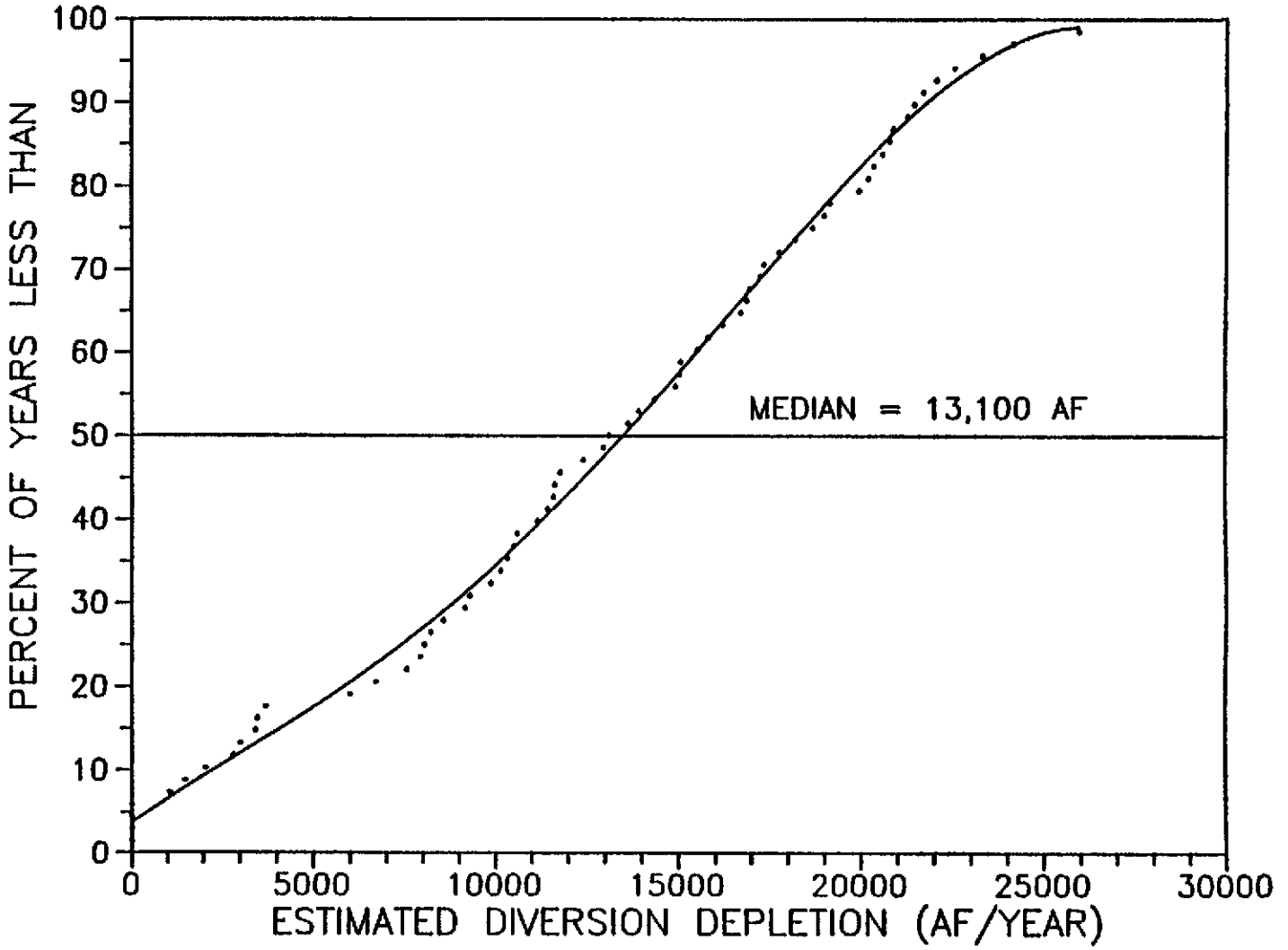


Figure 11. Duration Curve of Estimated Annual Diversion Depletion.

ESTIMATION OF IRRIGATION PUMPAGE

Annual ground-water pumpage from the Big Lost River Valley below Antelope Creek has been estimated for the period of 1984 through 1990 (table 2). The annual pumpage fluctuates in response to variations in annual surface-water supplies and crop demands. A scatter plot and linear regression line of annual ground-water pumpage below Antelope Creek against river flow below Mackay (including Sharp Ditch) is presented in figure 12. The corresponding regression equation is:

$$PUMPAGE = 61{,}200 - 0.1284 \times FLOW \qquad (r^2 = 0.88)$$

where

PUMPAGE = annual pumpage in acre-feet, and

FLOW = annual discharge below Mackay Dam, including Sharp Ditch in acre-feet.

Table 2. Annual Pumpage Below Antelope Creek.

Calendar Year	Pumpage (af)
1984	8,300
1985	27,500
1986	17,300
1987	28,700
1988	44,500
1989	48,600
1990	43,800

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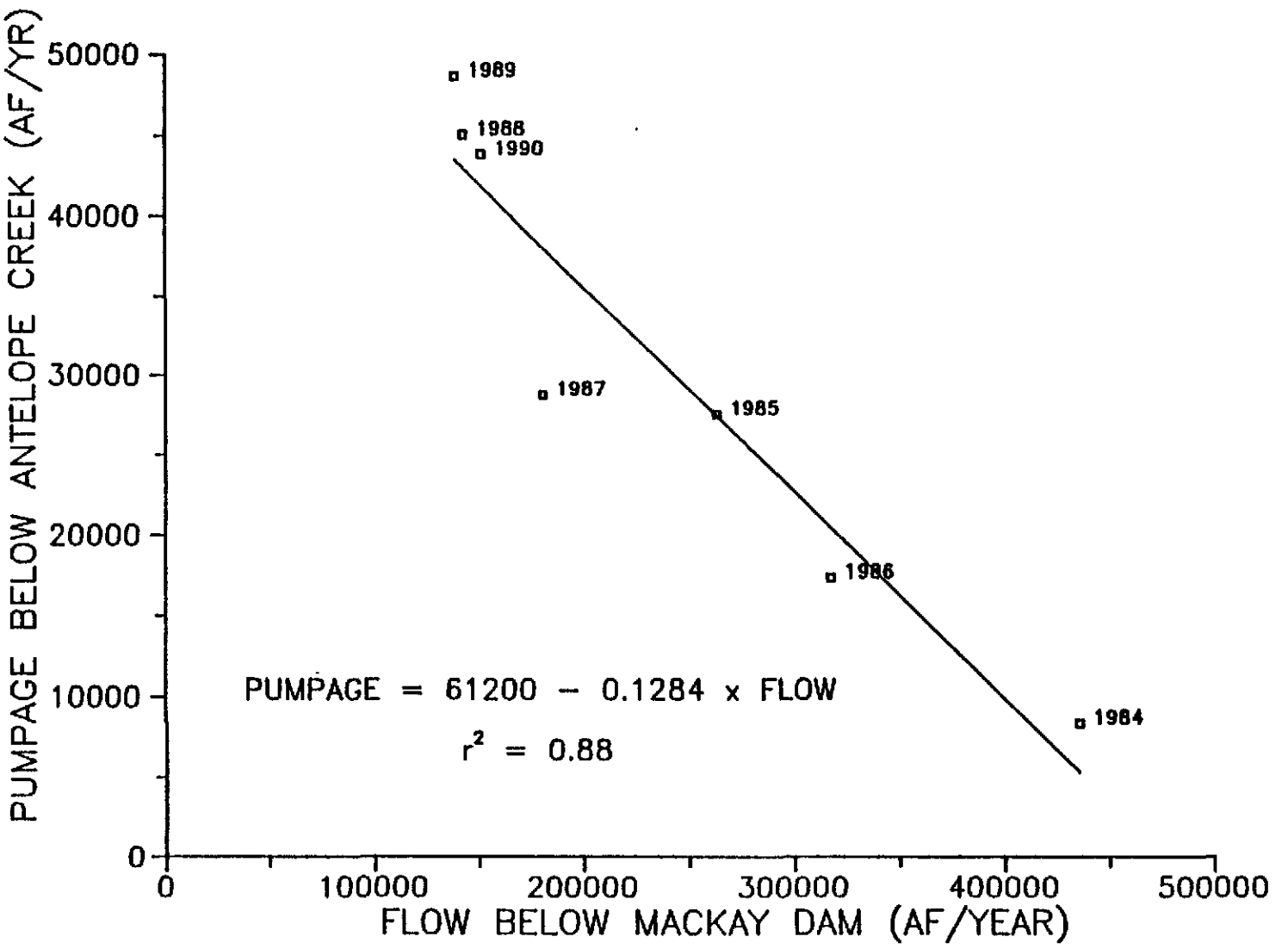


Figure 12. Linear Regression of Annual Pumpage Below Antelope Creek to Flow Below Mackay Dam.

Many irrigation wells in Big Lost River valley are located above the point where Antelope Creek is tributary to Big Lost River and therefore, are not included in the values of table 2. Approximately 700 out of a total of 1000 cfs of claimed ground-water rights in the valley are located below the junction of the two streams (Idaho Department of Water Resources, unpublished map). Total annual pumpage in the valley was estimated by assuming that the relative pumpage in an area is proportional to the claimed ground-water rights. Pumpage below Antelope Creek was, therefore multiplied by 1.428 (1000 cfs divided by 700 cfs) to estimate total pumpage. The multiplier was applied to the developed regression equation expressing the relationship between annual pumpage and flow below Mackay Dam to generate the following expression:

TOTAL PUMPAGE = 87400 - 0.1834 x FLOW

where

TOTAL PUMPAGE = Annual pumpage from the entire Big Lost River valley, in acre-feet, and

FLOW = annual discharge below Mackay Dam, including Sharp Ditch in acre-feet.

Pumpage estimates presented in table 2 span a period of only 7 years, and probably do not represent the long-term normal pumpage that would occur in the absence of further ground-water development. Long-term pumping estimates, at the current stage of well development, were determined by application of the regression equation relating total valley

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pumpage to river flows below Mackay Dam. Annual discharges below Mackay Dam, for the 1923 through 1990 period, were substituted into the equation to estimate the long-term variability of pumpage. The resulting estimates were used to develop the pumpage-duration curve shown in figure 13. Normal annual pumpage in the Big Lost River valley, as estimated by this procedure, is 47,000 acre-feet. The estimated valley pumpage experienced in 1989 of 69,400 acre-feet would occur only a few times every 100 years.

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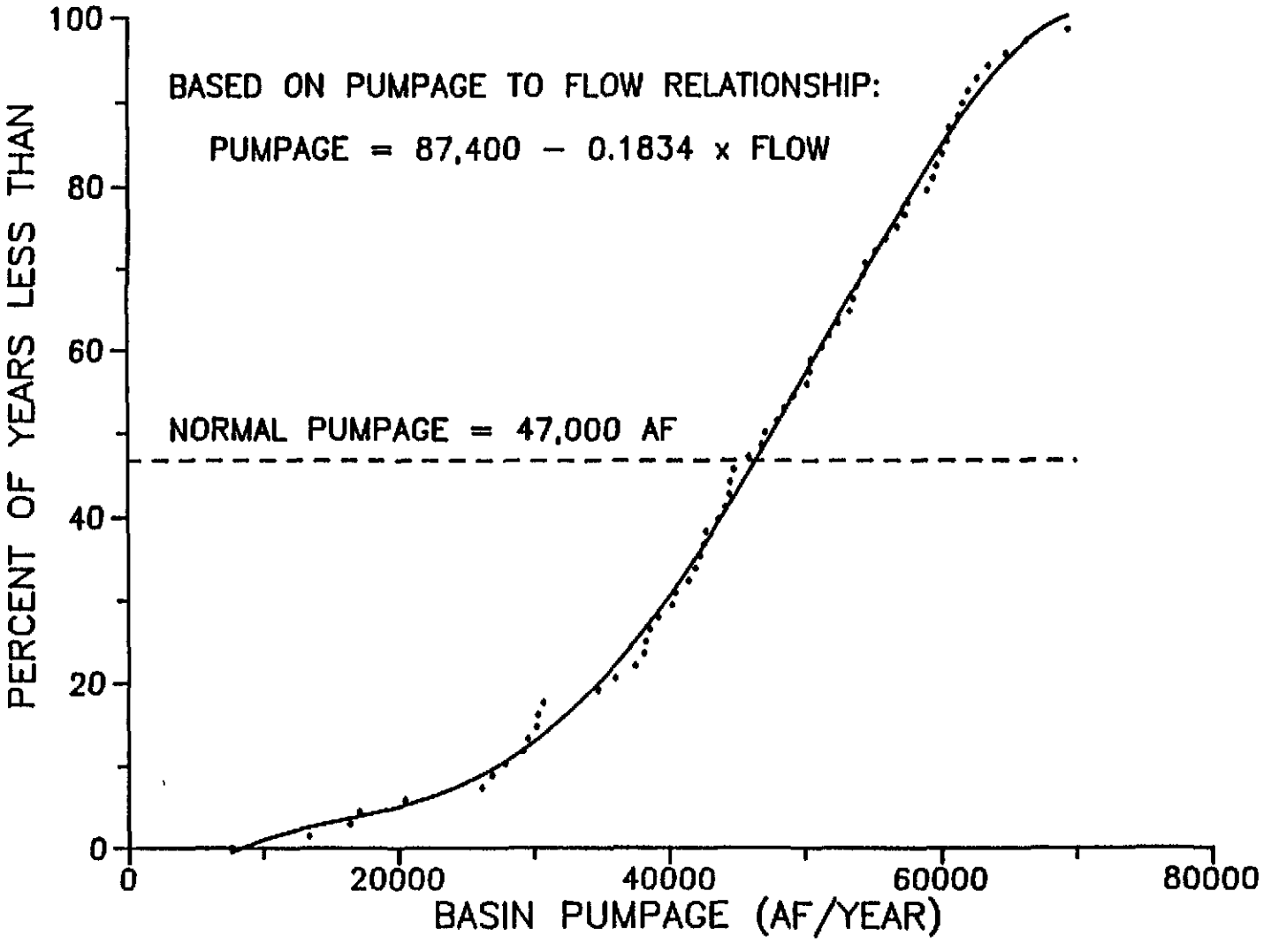


Figure 13. Duration Curve of Estimated Annual Pumpage.

DISTRIBUTION AND EXPANSION OF IRRIGATED LAND

Water is lost from Big Lost River valley by four mechanisms: 1) river discharge to the plain, 2) ground-water underflow to the plain, 3) irrigation conveyance outside of the basin, and 4) by evaporation and transpiration. Ground-water pumping, and the accompanying conversion to sprinkler irrigation, has contributed to an expansion of irrigated lands and resulted in a sizable increase in the fourth component listed above, relating to crop consumptive use. About 80 percent of the water applied by sprinklers is lost through crop consumptive use, the remaining 20 percent returns to the ground-water as deep percolation (C.E. Brockway, personal communication). Transporting water out of the basin for irrigation on the Snake River plain results in loss of the entire application, as the deep percolation from the irrigated areas will not return to the ground-water system of the Big Lost River valley.

The land area irrigated by the water resources of Big Lost River basin has significantly expanded since about 1970. The change in irrigated acreage in Butte County is shown in figure 14. The majority of irrigated land in Butte County is in, or receives water from, the Big Lost River basin. The graph shows that irrigated acreage in Butte County, and probably Big Lost River valley, nearly doubled

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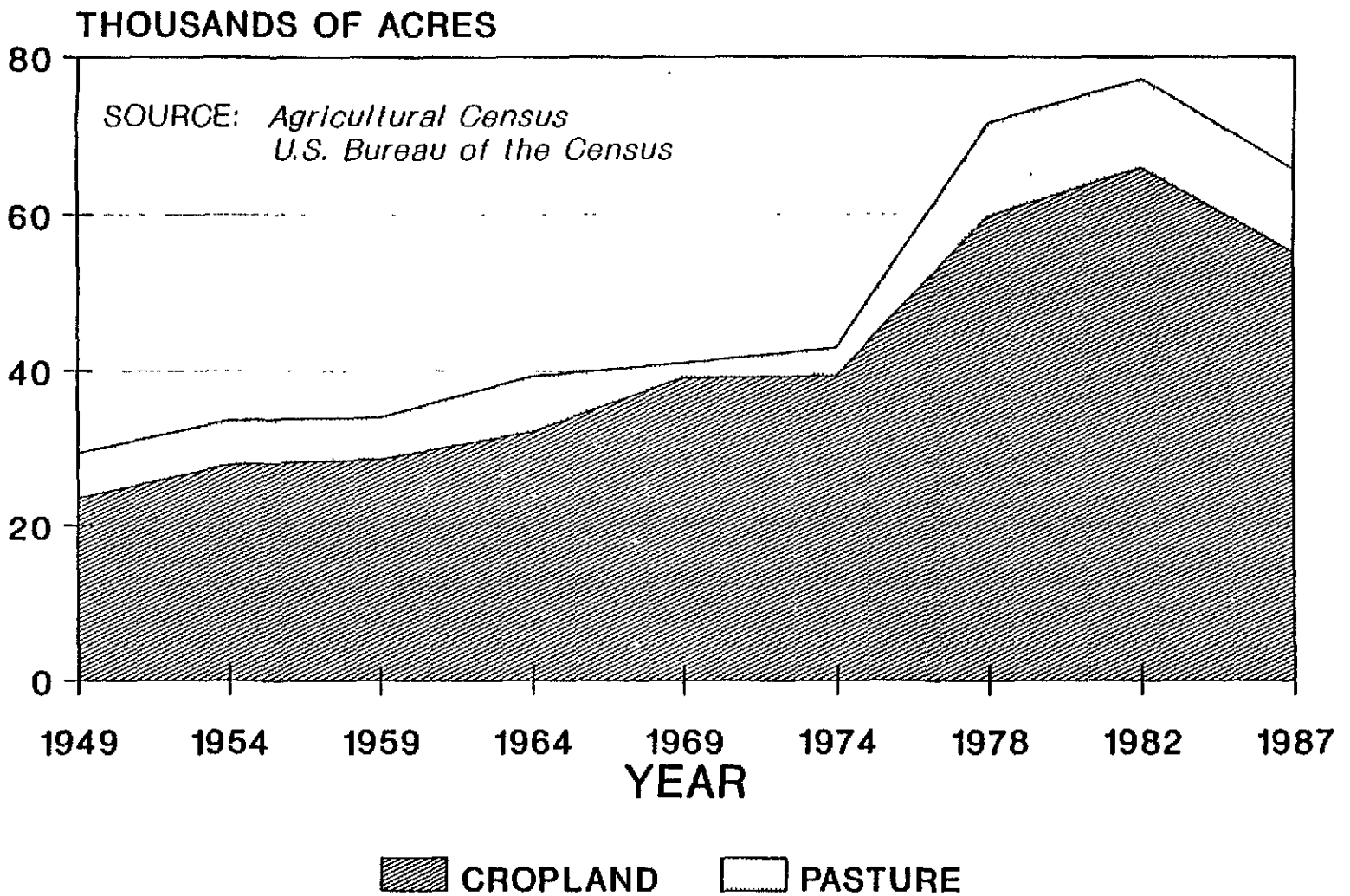


Figure 14. Historic Changes in Butte County Irrigated Acreage.

between 1974 and 1982. The acreage expanded from about 43,000 acres to about 77,000 acres in 1982. Much of this expansion is thought to have occurred with surface and ground water from the Big Lost River valley. An expansion of 34,000 acres in Butte County results in additional water consumption of about 41,000 acre-feet, assuming an irrigation requirement of 1.2 feet per year (Crosthwaite and others, 1970). Irrigation requirements calculated from the methods of Allen and Brockway (1983) are about 2.0 feet per year, implying that the additional water consumption may be as large as 68,000 acre-feet per year. Figure 14 is based on past records of the U.S. Census Bureau, Agricultural Census which determines irrigated acreage every four or five years.

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PUMPAGE IN PERSPECTIVE

Ground-water pumping depletes the ground-water resource of the valley by an amount equal to the crop consumptive use on the irrigated lands, unless the pumped water is applied outside of the valley. Water applied in excess of the crop consumptive use returns to the ground-water reservoir as deep percolation. Approximately 20 percent of the water applied by sprinkler irrigation returns to the aquifer as deep percolation (C.E. Brockway, personal communication). The total consumptive use resulting from the normal year pumpage of 47,000 acre-feet is, therefore, estimated to be about 40,000 acre-feet, depending upon the amount of pumpage exported out of the basin.

Consumptive use losses associated with ground-water pumping are relatively small compared with basin underflow in a normal year. Estimated losses resulting from irrigation pumping of 40,000 acre-feet per year represent about 13 percent of the basin underflow estimated by Crosthwaite and others (1970) for the period before 1970. On a long-term basis, more water is lost by surface discharge onto the Snake River Plain than is consumptively used by irrigation pumpers.

The estimated pumpage in a normal year compares reasonably well with increased crop demands resulting from expanded acreage shown in figure 14. The estimated normal

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pumpage of 47,000 acre-feet is sufficient to irrigate between 19,000 and 31,000 acres, assuming 80 percent application efficiency and 1.2 to 2.0 feet of irrigation demand. Conveyance losses decrease that acreage somewhat more. The recent increase in irrigated acreage in Butte county is about 34,000 acres according to Agricultural Census statistics.

Depletions of surface water diversions estimated in the section on "Relationships Between Diversions and River Flow" are less than estimates of basin pumpage, as expected. Diversion depletion for the 1987 through 1990 water years averaged 29,600 acre-feet per year, according to the first method of depletion estimation. The pumpage during that period averaged 41,400 acre-feet per year, or about 1.4 times the estimated depletion.

A relationship between estimated diversion depletion and pumpage can also be developed by combining the depletion equation of Method 2:

DEPLETION = 36,300 - 0.1055 x FLOW,

with the adjusted pumpage regression equation representing pumpage in the entire valley:

PUMPAGE = 87,400 - 0.1834 x FLOW.

Depletion, expressed as a function of pumpage, is therefore:

DEPLETION = 0.575 x PUMPAGE - 14,000,

where

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DEPLETION = annual depletion of diversions below Mackay Dam in acre-feet,

FLOW = annual flow of Big Lost River below Mackay Dam, including Sharp Ditch, in acre-feet, and

PUMPAGE = annual pumpage within the entire basin, in acre-feet.

According to the above equation, the ratio of diversion depletion to pumpage decreases in years of low pumpage. When surface water supplies are such that less than 14,000 acre-feet of ground-water are pumped, then depletion is estimated to be zero. As pumpage volumes increase the ratio of estimated depletion to pumpage increases. In the normal year, pumpage is 47,000 acre-feet, and estimated depletion (by Method 2) is 13,100 acre-feet, resulting in a ratio of depletion to pumpage of 0.28.

Ground-water pumping is only partially responsible for the depletion of river flow and irrigation diversions. Expansion of surface water irrigation rights to larger land areas also contributes to the problem by increasing crop consumptive use and generating less ground-water recharge. The actual expansion of acres irrigated from surface and ground-water of Big Lost River basin is presently unknown, making it impossible to proportion additional water use between surface and ground-water sources.

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ALTERNATIVE MANAGEMENT OPTIONS

Increased consumptive water use in Big Lost River valley has impacted the availability of water for senior surface water right holders. We believe that the increased consumptive water use has resulted from expanded acreage irrigated with both surface and ground-water. Possible alternatives for regulation and mitigation or compensation are described in this section; however, responsibility for recommendation of a specific alternative rests with the Idaho Department of Water Resources.

Steps associated with the development and implementation of possible alternative management strategies are illustrated in the flow chart presented in figure 15. A number of steps, and/or decisions are shown on the flow chart. The first two steps of this process are: 1) The Department must determine the extent of areas in which ground-water pumping and increased consumptive water use by surface water expansions have impacted flows of the Big Lost River, and 2) a means of proportioning impacts between ground-water pumping and expansion of surface water acreage needs to be developed.

We recommend that the impacting area include the entire alluvial deposits of the valley (single basin concept). The southern boundary of the impact area should coincide with the location of the steep water table decline into the Snake Plain aquifer, based on long-term average water levels. The

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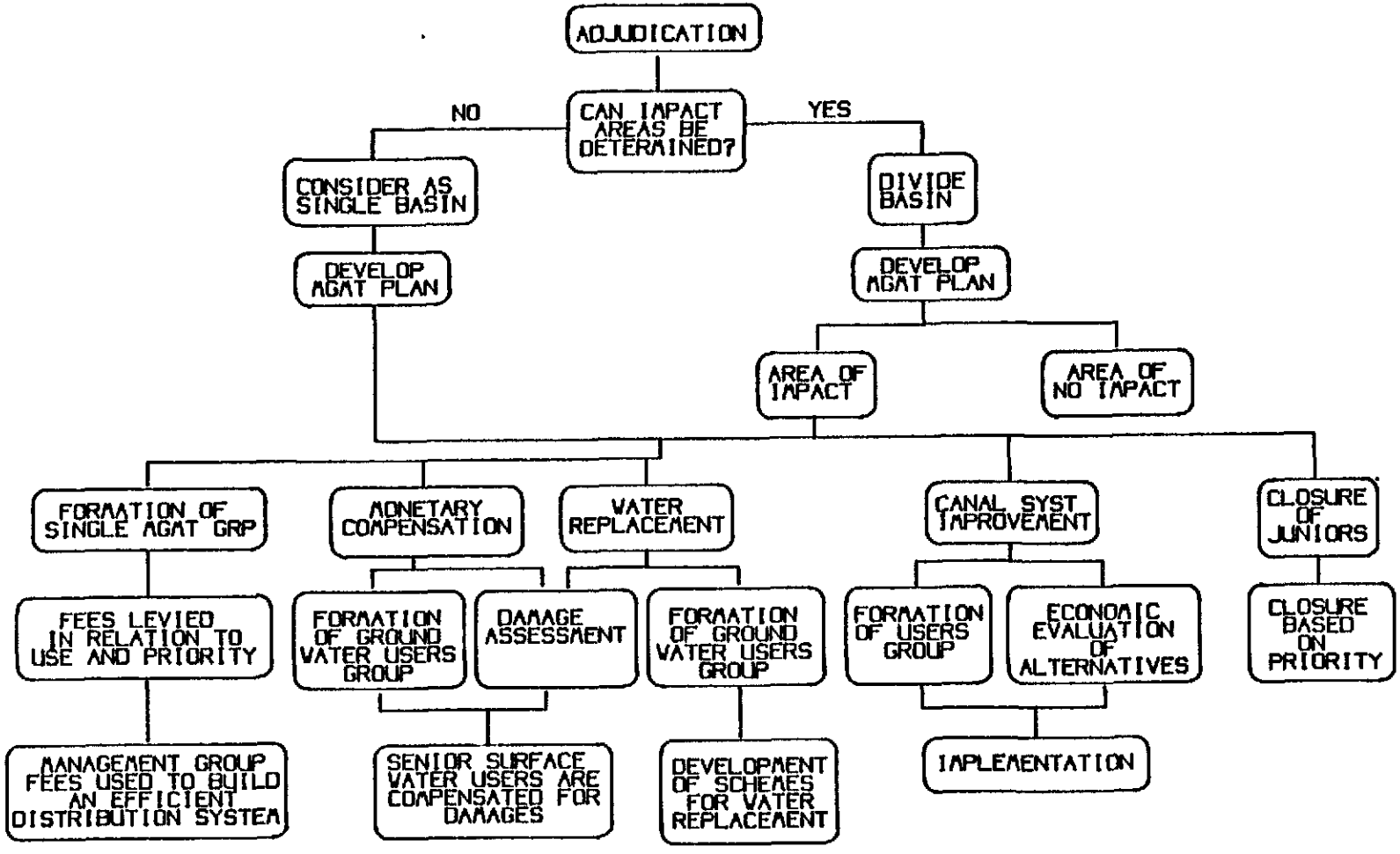


Figure 15. Diagram Illustrating Alternative Management Options.

basin may be further subdivided if the single basin concept is unacceptable to those involved. Subdivision into multiple units should be based on a detailed hydrologic analysis of the hydraulic connection of the river and the propagation of pumping and recharge effects.

A detailed management plan must be developed, regardless of whether the basin is considered as a single unit or multiple units. The plan should address whether compensation or mitigation are due to senior surface water irrigators, the type and degree of mitigation or compensation, and the structure of the organizational group responsible. The plan should be cooperatively prepared or reviewed by all parties involved.

If compensation or mitigation are to be awarded, then criteria must be established to determine liability. We believe that depletion is most directly associated with additional consumptive water use in recent decades, from both surface and ground water sources. Thus, the logical, although not necessarily legal, basis for assessing responsibility is in proportion to the amount of expanded irrigated acreage.

Five alternative courses of action are outlined on the flow chart (figure 15). They include: 1) Conjunctive management of surface and ground-water resources by a single management entity, 2) monetary compensation of impacted senior surface-water users by the liable parties, 3) water

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replacement for impacted senior surface water users by pumping into surface channels with financial support based on liability, 4) improvement of the surface irrigation system to improve conveyance efficiency, and 5) closure of junior users in proportion to the estimated impacts. We believe that the effectiveness and efficiency of the first four alternatives is dependent on the degree of cooperation that is achieved among the water users of the basin.

We conclude that cooperative water management by surface and ground-water users is the best solution and would result in the most efficient use of the water resources of the basin. Development of a cooperative management unit requires that surface and ground-water users generally agree on the impacts of pumping and acreage expansions, and the remedial measures needed. In such a situation, those deemed responsible would be assessed fees in proportion to their perceived impact, and generated revenues would be spent according to the consensus of the managing unit. This alternative implies that the water users of the Big Lost River would be responsible for managing their own resource in a fair and equitable manner.

Monetary compensation by an organization of surface and ground water users deemed liable for depleted surface flows may be the most achievable of the alternatives. Those implicated as impacting surface flows would need to form a self-funding unit with the purpose of compensating senior

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surface water users for damages. We recommend that the degree of compensation or mitigation be consistent with the diversion depletion estimated in this report.

Water replacement, funded by a similar organization, would rely on new wells to supplement the river flows, to a degree determined by depletion estimation procedures outlined in this report. These wells would be constructed and operated with funding provided by the liable parties, in proportion to their ground-water pumpage and surface water acreage expansion.

Several methods are available to improve the water supply of surface water users without additional pumping. These primarily deal with canal modification and lining, and the construction of additional surface water reservoirs. The economic feasibility of these measures should be evaluated relative to monetary compensation and water replacement schemes. Effective canal lining could improve the separation of the surface and ground-water resources, and reduce the question of interference. Both surface and ground-water users should share in the costs of system improvements.

We believe that the most economically unacceptable of the alternatives is the regulation of all rights in the valley on the basis of the priority. This alternative would result in closure of many or all of the irrigation wells, and drastically reduce agricultural production of the

[illegible]

valley. Although this may be a legal alternative, it would be highly undesirable to nearly all parties, and is not recommended.

In summary, we recommend that the highest possible degree of cooperation be developed among the involved parties. In this way, the resource largely will be managed by its users. All ground-water pumpers (irrigation wells) and those with expanded surface water irrigated acreage should assume responsibility for depleted flows of senior surface water irrigators, in an amount consistent with the depletion estimates of this report. The management plan should involve all interested parties.

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CONCLUSIONS AND RECOMMENDATIONS

Several conclusions are apparent from this investigation. They include:

1. Flow of the Big Lost river is affected by weather and by long-term changes in the amount of consumptive water use in the valley.

2. The consumptive water use has increased substantially in the last few decades due to an extension to full season irrigation and an expansion of the irrigated acreage.

3. Ground-water pumping has made the expansion of irrigated acreage possible, and provides a sizable proportion of the water applied on the expanded acreage.

4. Ground-water pumping is largely used to supplement surface-water diversions, and ground-water pumping increases in years of low surface water supply.

5. Ground-water recharge from surface water irrigation has diminished due to application over larger acreage and conversion to more efficient sprinkler application methods.

6. Diminished recharge from surface water irrigation and increased ground-water withdrawals, together have caused a reduction in flow of Big Lost River and consequently have depleted the supplies of surface water irrigators.

7. Diversion records indicate that surface water diversions for irrigation have decreased in recent years. The magnitude of the depletion varies with the water year.

8. The reliability of the diversion records, and consequently of the depletion estimates, is uncertain. Diversion depletion estimation procedures of this report, however, are probably the best available. With the available information it was not possible to proportion the amount of diversion depletion into components resulting from ground-water pumping and that caused by expansion of surface-water irrigated acreage.

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9. The impact attributable to ground-water pumping or expansion of surface water irrigated area varies with the year and the proportion of the total irrigation water derived from pumping. Pumping is reduced in years of plentiful surface water supply, however the recharge from surface water is probably diminished in those years (relative to pre-1960), due to application over larger cropped areas.

Recommendations for managing the water resources of the basin, and for future investigation include:

1. A cohesive organization of all water users in the basin could greatly contribute to development of water management strategies, and improve the effectiveness and efficiency of implementation of the selected strategies.

2. Relationships developed in this report provide a method that may be used for determining the magnitude of mitigation to damaged surface water users.

3. Further investigation into changes in the irrigation practices and areas of the basin should be initiated. This research would help refine estimates of depletion and would further the understanding of the individual impacts of ground-water pumping and expansion of areas irrigated with surface water.

4. Irrigation pumpage and diversions should be closely monitored in future years to refine the understanding of pumping impacts on diversions.

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APPENDIX A

BIG LOST RIVER

MONTHLY DISCHARGE AND STORAGE VOLUMES

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APPENDIX B

MONTHLY IRRIGATION DIVERSIONS

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APPENDIX A

BIG LOST RIVER

MONTHLY DISHCARGE AND STORAGE VOLUMES

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1922	1	-1	7037	-1	-1
1922	2	-1	7252	-1	-1
1922	3	-1	8319	-1	-1
1922	4	5438	8160	-1	-1
1922	5	51074	28209	-1	-1
1922	6	117572	93601	-1	-1
1922	7	32932	42676	-1	-1
1922	8	16691	29187	-1	-1
1922	9	8156	14763	-1	-1
1922	10	6964	6472	-1	-1
1922	11	-1	7240	-1	-1
1922	12	-1	6920	-1	-1
1923	1	-1	7303	-1	-1
1923	2	-1	7375	-1	-1
1923	3	-1	9190	-1	-1
1923	4	6605	8749	-1	-1
1923	5	41210	25479	-1	-1
1923	6	63057	49622	-1	-1
1923	7	52917	52971	-1	-1
1923	8	15697	31540	-1	-1
1923	9	9067	14370	-1	-1
1923	10	9047	29964	-1	-1
1923	11	-1	7930	-1	-1
1923	12	-1	5043	-1	-1
1924	1	-1	6168	-1	-1
1924	2	-1	6385	-1	-1
1924	3	-1	7448	-1	-1
1924	4	8972	7154	-1	-1
1924	5	31292	25445	-1	-1
1924	6	17009	21082	-1	-1
1924	7	8934	20233	-1	-1
1924	8	4266	9035	-1	-1
1924	9	4254	8630	-1	-1
1924	10	5109	10493	-1	-1
1924	11	-1	3315	-1	-1
1924	12	-1	4712	-1	-1
1925	1	-1	5766	-1	-1
1925	2	-1	5853	-1	-1
1925	3	-1	6847	-1	-1
1925	4	12831	6327	-1	-1
1925	5	69505	39896	-1	-1
1925	6	68220	52935	-1	-1
1925	7	39988	41781	-1	-1
1925	8	14465	28066	-1	-1
1925	9	9245	19548	-1	-1
1925	10	8329	8993	-1	-1

APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1925	11	-1	3855	-1	-1
1925	12	-1	5496	-1	-1
1926	1	-1	6656	-1	-1
1926	2	-1	6545	-1	-1
1926	3	-1	8156	-1	-1
1926	4	-1	7365	-1	-1
1926	5	30597	25774	-1	-1
1926	6	19384	25332	-1	-1
1926	7	9793	19318	-1	-1
1926	8	5012	9610	-1	-1
1926	9	3744	9087	-1	-1
1926	10	4216	10305	-1	0
1926	11	-1	3016	-1	6800
1926	12	-1	3901	-1	11900
1927	1	-1	5143	-1	15700
1927	2	-1	5369	-1	18300
1927	3	-1	6704	-1	20400
1927	4	5335	6414	-1	20800
1927	5	33905	15791	-1	18000
1927	6	97768	69751	-1	19100
1927	7	39613	46939	-1	5100
1927	8	13809	17576	-1	200
1927	9	9609	11053	-1	100
1927	10	9364	11065	-1	1600
1927	11	-1	4291	-1	9300
1927	12	-1	5176	-1	15600
1928	1	-1	6385	-1	19900
1928	2	-1	6898	-1	22900
1928	3	-1	7851	-1	25100
1928	4	9904	6916	-1	26000
1928	5	70511	47402	-1	26300
1928	6	36121	45890	-1	12000
1928	7	21181	28447	-1	1200
1928	8	9105	11656	-1	400
1928	9	5676	10061	-1	0
1928	10	5744	11785	-1	100
1928	11	-1	3232	-1	7700
1928	12	-1	4476	-1	13500
1929	1	-1	6063	-1	17300
1929	2	-1	6242	-1	19700
1929	3	-1	7478	-1	22100
1929	4	-1	6877	-1	22900
1929	5	25225	11686	-1	18700
1929	6	41823	38355	-1	7600
1929	7	17306	19985	-1	1000
1929	8	7269	9436	-1	200

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1929	9	5410	9281	-1	0
1929	10	4581	9978	-1	0
1929	11	-1	2891	-1	6600
1929	12	-1	4168	-1	12000
1930	1	-1	5605	-1	15700
1930	2	-1	5516	-1	18000
1930	3	-1	6789	-1	20000
1930	4	17608	6202	-1	19900
1930	5	41674	19749	-1	18000
1930	6	56996	55935	-1	6300
1930	7	20848	23473	-1	900
1930	8	12747	12325	-1	300
1930	9	7853	10043	-1	100
1930	10	10148	11454	-1	1700
1930	11	-1	3978	-1	9100
1930	12	-1	5250	-1	14700
1931	1	-1	6430	-1	18600
1931	2	-1	6448	-1	21100
1931	3	-1	7365	-1	23400
1931	4	-1	6654	-1	23900
1931	5	27256	12049	-1	19400
1931	6	23316	25121	-1	7900
1931	7	6392	13864	-1	2500
1931	8	4395	10930	-1	100
1931	9	3210	8670	-1	0
1931	10	3897	9182	-1	0
1931	11	-1	3506	-1	5200
1931	12	-1	4166	-1	9800
1932	1	-1	5022	-1	13000
1932	2	-1	5315	-1	15600
1932	3	-1	6265	-1	17000
1932	4	5355	6091	-1	17900
1932	5	46336	24594	-1	12700
1932	6	84588	52935	-1	22000
1932	7	34952	40097	-1	11100
1932	8	10206	18636	-1	3100
1932	9	6698	10212	-1	2700
1932	10	6662	11186	-1	2800
1932	11	4885	3730	-1	10000
1932	12	-1	4946	-1	14800
1933	1	-1	5758	-1	18800
1933	2	-1	6057	-1	21000
1933	3	-1	7396	-1	22800
1933	4	5164	6881	-1	23500
1933	5	18314	7160	-1	23100
1933	6	69031	62657	-1	5500

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1933	7	14989	16644	-1	900
1933	8	5990	9662	-1	0
1933	9	3730	8404	-1	0
1933	10	3569	9142	-1	0
1933	11	-1	7055	-1	3500
1933	12	-1	3666	-1	9500
1934	1	-1	4827	-1	13500
1934	2	-1	5125	-1	16100
1934	3	-1	5956	-1	17200
1934	4	12870	6105	-1	17100
1934	5	22461	16922	-1	6100
1934	6	13132	12069	-1	800
1934	7	5748	7789	-1	0
1934	8	3331	6936	-1	0
1934	9	2837	7335	-1	0
1934	10	3799	8204	-1	0
1934	11	3704	3434	-1	4800
1934	12	-1	3722	-1	9400
1935	1	-1	4835	-1	12700
1935	2	-1	5029	-1	14700
1935	3	-1	6150	-1	16600
1935	4	6277	6190	-1	17300
1935	5	34867	8866	-1	16500
1935	6	89046	48658	-1	28600
1935	7	32869	39575	-1	13500
1935	8	8884	21580	-1	1800
1935	9	4895	9777	-1	1200
1935	10	5077	11005	-1	700
1935	11	4902	4526	-1	6600
1935	12	-1	5950	-1	10900
1936	1	-1	5617	-1	15000
1936	2	-1	5773	-1	17400
1936	3	-1	6769	-1	19400
1936	4	15695	6547	-1	19900
1936	5	44166	20808	-1	15500
1936	6	40521	26963	-1	17200
1936	7	11656	26635	-1	1800
1936	8	8771	10587	-1	2000
1936	9	5091	9507	-1	2700
1936	10	4303	12803	-1	300
1936	11	-1	3906	-1	7000
1936	12	-1	4194	-1	12800
1937	1	-1	5470	-1	16500
1937	2	-1	5537	-1	19000
1937	3	-1	6621	-1	21200
1937	4	3708	6329	-1	22000

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1937	5	33887	13140	-1	18400
1937	6	24546	25189	-1	10300
1937	7	12114	18937	-1	1000
1937	8	4119	8984	-1	100
1937	9	3462	8303	-1	200
1937	10	3807	8654	-1	200
1937	11	-1	5351	-1	3700
1937	12	-1	3686	-1	8900
1938	1	-1	4619	-1	12600
1938	2	-1	4569	-1	15200
1938	3	-1	5791	-1	17500
1938	4	15239	6176	-1	19700
1938	5	72216	20148	-1	41000
1938	6	124635	101779	-1	38700
1938	7	63551	60937	-1	36900
1938	8	18368	26044	-1	27900
1938	9	9904	8918	-1	30000
1938	10	13406	9335	-1	34900
1938	11	-1	14511	-1	34000
1938	12	-1	8952	-1	36500
1939	1	-1	9297	-1	38400
1939	2	-1	9454	-1	38700
1939	3	-1	11184	-1	38800
1939	4	-1	9603	-1	39100
1939	5	37408	20130	-1	38800
1939	6	24362	26625	-1	30000
1939	7	14446	26338	-1	16100
1939	8	5853	19005	-1	7800
1939	9	4770	10420	-1	8000
1939	10	5271	13055	-1	6700
1939	11	-1	4121	-1	13100
1939	12	-1	4369	-1	18500
1940	1	-1	5619	-1	22100
1940	2	-1	6365	-1	24600
1940	3	-1	7252	-1	26200
1940	4	-1	6833	-1	26800
1940	5	56641	25381	-1	25600
1940	6	49755	42315	-1	21100
1940	7	13773	28105	-1	6500
1940	8	5051	15237	-1	1300
1940	9	9605	5938	-1	6800
1940	10	10230	6613	-1	11200
1940	11	-1	3901	-1	17500
1940	12	-1	5202	-1	22500
1941	1	-1	6646	-1	25900
1941	2	-1	6698	-1	28200

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1941	3	-1	7853	-1	29900
1941	4	-1	7327	-1	31000
1941	5	51894	20007	-1	37400
1941	6	56276	42721	-1	37500
1941	7	25371	31704	-1	28700
1941	8	14061	21259	-1	22700
1941	9	8414	11277	-1	23800
1941	10	7964	9029	-1	27700
1941	11	6492	6767	-1	32200
1941	12	-1	7946	-1	36000
1942	1	-1	11892	-1	35600
1942	2	-1	10866	-1	35000
1942	3	-1	10628	-1	35000
1942	4	23498	16058	-1	38200
1942	5	35758	26298	-1	37600
1942	6	69101	57195	-1	37700
1942	7	45273	47011	-1	28500
1942	8	11372	27310	-1	14200
1942	9	6379	8839	-1	16600
1942	10	6426	7517	-1	21400
1942	11	6158	5244	-1	27500
1942	12	-1	7928	-1	31000
1943	1	-1	9874	-1	32400
1943	2	-1	9561	-1	32800
1943	3	-1	10819	-1	32800
1943	4	28853	11727	-1	38200
1943	5	66641	46523	-1	39200
1943	6	88451	79554	-1	38200
1943	7	71906	65851	-1	38400
1943	8	20451	32766	-1	27000
1943	9	9432	15124	-1	25800
1943	10	8876	8587	-1	30600
1943	11	7275	8023	-1	35900
1943	12	-1	12715	-1	35400
1944	1	-1	11041	-1	36300
1944	2	-1	8468	-1	38600
1944	3	-1	11136	-1	38400
1944	4	5756	10241	-1	38400
1944	5	46352	24675	-1	39500
1944	6	82213	72997	-1	39700
1944	7	61641	63327	-1	37900
1944	8	16781	36508	-1	20900
1944	9	9442	15164	-1	20200
1944	10	8184	6091	-1	28000
1944	11	6954	7077	-1	34800
1944	12	-1	12815	-1	35300

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1945	1	-1	10835	-1	36200
1945	2	-1	9765	-1	36400
1945	3	-1	9791	-1	37300
1945	4	6492	9642	-1	37400
1945	5	32680	16801	-1	38800
1945	6	53973	40813	-1	39000
1945	7	38559	42073	-1	31300
1945	8	12993	34684	-1	13000
1945	9	8351	14326	-1	12100
1945	10	7408	4775	-1	19500
1945	11	6091	5843	-1	25600
1945	12	-1	6351	-1	30800
1946	1	-1	7396	-1	34400
1946	2	-1	7226	-1	36700
1946	3	-1	8970	-1	38400
1946	4	23877	12757	-1	40000
1946	5	52715	36881	-1	39500
1946	6	57762	49259	-1	37700
1946	7	25542	41515	-1	22000
1946	8	10884	27107	-1	8800
1946	9	8815	7285	3420	14800
1946	10	11124	4180	4472	24500
1946	11	6813	5416	4428	32100
1946	12	-1	7041	4494	37100
1947	1	-1	10351	3383	37700
1947	2	-1	10069	5482	37800
1947	3	-1	11676	9247	37400
1947	4	13493	11348	6724	35500
1947	5	66456	42247	6670	39100
1947	6	49142	43039	8791	36600
1947	7	28772	42303	2065	19500
1947	8	10597	21766	2180	9800
1947	9	6807	15283	2353	6300
1947	10	7849	6184	2786	13800
1947	11	5369	3750	2470	21800
1947	12	-1	5271	1807	27800
1948	1	-1	6291	1563	32000
1948	2	-1	6188	1577	35200
1948	3	-1	7257	1631	38000
1948	4	10474	8708	1178	37300
1948	5	46977	24290	621	38200
1948	6	85631	70894	5271	38700
1948	7	31085	41604	2262	25400
1948	8	10160	28752	2165	9100
1948	9	7009	12033	3555	8400
1948	10	7575	3942	3893	17600

APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1948	11	6107	4694	2103	24800
1948	12	5565	5841	1869	30400
1949	1	4900	7107	1599	34200
1949	2	4079	7255	1500	36600
1949	3	4345	9113	2256	38200
1949	4	14467	8878	1815	37100
1949	5	55159	29218	1623	40200
1949	6	42940	42753	3131	31900
1949	7	16751	35672	1171	13000
1949	8	7345	22399	1486	1700
1949	9	5204	12194	1177	500
1949	10	5748	5607	1557	7600
1949	11	4809	3958	1917	15200
1949	12	3623	5022	1375	20900
1950	1	3494	5992	1230	24900
1950	2	2827	6123	1000	27500
1950	3	4166	7009	1234	29800
1950	4	10011	6761	2797	31100
1950	5	35252	22016	798	21100
1950	6	61062	33867	1165	31900
1950	7	36946	46197	1696	16400
1950	8	11668	27601	1922	1900
1950	9	8374	8414	1444	5400
1950	10	7117	3660	1379	14000
1950	11	6688	4898	1347	20800
1950	12	7063	5758	1337	27100
1951	1	6150	6718	909	31400
1951	2	5297	6575	704	34400
1951	3	4345	7676	788	37000
1951	4	20396	11860	1226	38800
1951	5	64379	42031	2869	41200
1951	6	63381	55250	3543	39300
1951	7	42545	44430	1893	33800
1951	8	20794	31573	7277	29600
1951	9	8656	15654	5375	27700
1951	10	8777	7597	6339	32900
1951	11	6426	6904	6496	38000
1951	12	6061	11122	5637	38900
1952	1	5228	12301	5387	38700
1952	2	4454	11950	5992	36900
1952	3	4791	12654	7569	34600
1952	4	17921	14245	13100	34500
1952	5	83715	62917	27512	37500
1952	6	89232	74344	25453	39900
1952	7	42739	46090	11936	31900
1952	8	17771	35232	4149	18000

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1952	9	7793	7700	4764	22700
1952	10	6559	6448	3032	28200
1952	11	5303	6851	4855	33600
1952	12	5396	7757	6299	37800
1953	1	5625	11785	7694	37100
1953	2	4563	9285	8946	37400
1953	3	4936	9317	7847	38300
1953	4	10206	8807	5873	38100
1953	5	26730	21308	2101	27600
1953	6	80656	51884	5168	38100
1953	7	53066	57391	3101	28800
1953	8	12549	32718	1762	11300
1953	9	6958	13817	1825	9300
1953	10	6377	6547	2716	15000
1953	11	5603	4496	3141	21800
1953	12	4387	5625	4434	27700
1954	1	4093	6377	4732	32200
1954	2	3980	6323	3214	35000
1954	3	4418	7674	2821	37300
1954	4	12188	8902	1730	36500
1954	5	58941	36059	782	34400
1954	6	48314	31762	1167	40000
1954	7	33002	46255	1532	24700
1954	8	9476	26048	1050	10100
1954	9	5430	16485	1220	3800
1954	10	5016	13051	1682	2800
1954	11	4303	2684	2000	11200
1954	12	3492	4291	1934	17500
1955	1	3258	5567	1349	22000
1955	2	2885	5819	1085	24600
1955	3	3278	6799	1075	26800
1955	4	3795	6331	760	28100
1955	5	22979	10975	450	24700
1955	6	62339	42682	337	23600
1955	7	29877	31633	669	19800
1955	8	9636	27032	357	3100
1955	9	5004	12767	552	400
1955	10	4768	10547	641	600
1955	11	3873	3194	766	8200
1955	12	5601	3875	3014	14800
1956	1	3948	5039	1147	19500
1956	2	3178	5371	770	22700
1956	3	4389	6388	7763	26100
1956	4	18497	6680	5093	30800
1956	5	86411	48517	7103	41700
1956	6	106184	93530	28841	42300

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1956	7	38775	50898	2282	25400
1956	8	12831	29905	2107	11300
1956	9	6797	12412	2240	10100
1956	10	6589	7555	2903	15700
1956	11	5299	4476	3972	22200
1956	12	4341	5375	3313	27500
1957	1	3859	6343	2159	31300
1957	2	3621	6260	2149	34000
1957	3	4404	7452	2633	36400
1957	4	5333	7357	2155	37800
1957	5	53856	24631	13019	40600
1957	6	107261	78545	23245	44300
1957	7	42497	50977	5389	30300
1957	8	11642	33843	1798	10800
1957	9	7380	7111	3801	15400
1957	10	8267	7371	4454	20400
1957	11	6021	7027	5220	25500
1957	12	5091	7672	6194	29500
1958	1	4898	8307	5682	32200
1958	2	4349	8053	5760	34200
1958	3	4863	9249	6871	35700
1958	4	6833	9843	7121	36200
1958	5	104561	73350	30714	38300
1958	6	84122	75309	40204	38300
1958	7	34311	43981	7224	23700
1958	8	14559	29679	4325	12100
1958	9	8152	18578	7426	7000
1958	10	6750	14850	13563	6400
1958	11	5660	3291	6466	15700
1958	12	4579	5109	6807	22700
1959	1	4103	6416	6067	27700
1959	2	3615	6379	5238	31300
1959	3	3998	7676	5466	34200
1959	4	7271	8638	1444	34200
1959	5	17136	21846	843	20800
1959	6	53147	39170	841	17000
1959	7	16116	26240	526	4200
1959	8	7047	14618	155	400
1959	9	9114	11273	226	400
1959	10	7619	8317	925	5600
1959	11	5351	3289	1061	14000
1959	12	4307	4978	897	20500
1960	1	4506	6166	673	24900
1960	2	4164	6400	679	28200
1960	3	5027	7134	708	31100
1960	4	10557	7136	500	31900

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1960	5	25060	17062	58	26000
1960	6	45809	41601	0	17200
1960	7	12092	25802	16	2000
1960	8	6017	12126	0	600
1960	9	4281	9940	0	600
1960	10	4135	7031	0	4900
1960	11	3857	4041	0	11100
1960	12	3589	5268	4	15800
1961	1	3141	6295	0	19000
1961	2	2718	6121	0	21000
1961	3	2895	6930	6	22900
1961	4	4416	6561	0	23300
1961	5	26242	14553	0	17600
1961	6	48179	32252	0	11800
1961	7	9734	19449	0	1200
1961	8	6069	10460	0	400
1961	9	7803	8462	0	2100
1961	10	6061	6444	-1	5700
1961	11	4831	3782	-1	11800
1961	12	3535	4839	-1	16700
1962	1	3339	5718	-1	20300
1962	2	4220	5472	-1	22900
1962	3	4718	6275	-1	25100
1962	4	18495	8232	-1	24400
1962	5	32801	19860	-1	21300
1962	6	81574	46473	-1	29400
1962	7	31526	33881	-1	22900
1962	8	14277	26681	-1	11100
1962	9	6244	11483	-1	9900
1962	10	7718	7670	-1	14000
1962	11	5787	4244	-1	20700
1962	12	4799	5299	-1	26300
1963	1	4037	5990	-1	30500
1963	2	4533	5793	-1	33600
1963	3	3942	7025	-1	36200
1963	4	5504	7400	-1	37800
1963	5	54947	21102	-1	44300
1963	6	88572	73785	-1	44400
1963	7	39799	49874	-1	28100
1963	8	14061	24988	-1	19000
1963	9	10358	10862	-1	21300
1963	10	7998	12402	-1	22500
1963	11	7079	5666	-1	29100
1963	12	5843	6849	-1	34400
1964	1	5535	7535	-1	38300
1964	2	4603	7720	-1	40800

APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1964	3	4305	12910	-1	38700
1964	4	8359	9061	-1	40300
1964	5	43592	29034	-1	38200
1964	6	75957	55260	-1	44000
1964	7	42910	50527	-1	30800
1964	8	11908	30889	-1	13900
1964	9	7236	12118	-1	14200
1964	10	6061	8962	-1	18500
1964	11	5018	5107	-1	25400
1964	12	5766	6583	-1	31200
1965	1	6777	7696	-1	35300
1965	2	4908	9735	-1	35300
1965	3	5174	15519	-1	30200
1965	4	13757	11376	-1	29700
1965	5	60974	40537	-1	33000
1965	6	139753	119695	-1	42900
1965	7	90488	90084	-1	43000
1965	8	36049	44880	-1	35200
1965	9	14642	37803	-1	20000
1965	10	10440	11416	-1	27600
1965	11	7974	6079	-1	36900
1965	12	6408	13354	-1	37000
1966	1	6303	11735	-1	37600
1966	2	5531	7255	-1	40600
1966	3	5740	7998	-1	43400
1966	4	10987	8581	-1	44200
1966	5	38920	36666	278	32300
1966	6	29337	31308	1022	27300
1966	7	13055	26353	327	11900
1966	8	6718	18122	230	4400
1966	9	5283	10114	190	4800
1966	10	4930	7192	347	8500
1966	11	4418	3835	583	15500
1966	12	4262	5027	855	21300
1967	1	4428	6047	722	25300
1967	2	5022	6248	631	27800
1967	3	4764	8553	415	29300
1967	4	4595	9817	226	28800
1967	5	74763	52266	5444	23300
1967	6	138007	96254	51286	44500
1967	7	80671	84173	56469	39100
1967	8	19265	43634	8791	15100
1967	9	10854	23358	12952	4800
1967	10	12352	19036	15816	4300
1967	11	7652	3514	9291	15300
1967	12	5740	5202	6333	23600

APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1968	1	5264	6607	3881	28700
1968	2	4363	7077	4597	32200
1968	3	5375	7876	7549	35200
1968	4	8926	7303	5271	37600
1968	5	33706	19790	752	35700
1968	6	79900	58393	2480	41500
1968	7	28314	38059	1440	28400
1968	8	18094	16848	3234	28700
1968	9	12477	11555	3647	32700
1968	10	9978	12942	6019	34700
1968	11	7408	14763	11110	34900
1968	12	6281	14473	14396	33300
1969	1	6226	12102	11051	33800
1969	2	4912	14807	11497	29200
1969	3	6107	33440	23439	10100
1969	4	26647	30464	38851	8500
1969	5	115631	72759	44670	28000
1969	6	90000	66024	45789	43200
1969	7	47981	54631	28651	31900
1969	8	15660	41589	7275	7400
1969	9	9426	19513	12969	2000
1969	10	8410	5037	8815	11000
1969	11	6470	3964	7234	20400
1969	12	5849	5793	7853	26500
1970	1	5406	6557	7127	31100
1970	2	6156	6500	7095	34300
1970	3	5595	7454	5303	37300
1970	4	5988	7355	3623	39900
1970	5	52195	31016	2770	40200
1970	6	104343	81235	17675	44800
1970	7	46108	54616	21022	35900
1970	8	13416	37047	3315	15000
1970	9	9658	12612	8424	15300
1970	10	7986	10886	6996	18400
1970	11	6341	5424	7553	26800
1970	12	5591	6964	6664	32800
1971	1	6170	7710	7539	36800
1971	2	4680	7327	7119	39500
1971	3	4867	8599	7807	41600
1971	4	7184	25407	20046	27100
1971	5	60540	48501	20050	21400
1971	6	109926	72908	25568	44300
1971	7	57782	57893	26911	40800
1971	8	19836	45297	11327	17400
1971	9	10253	14699	15824	17900
1971	10	10016	14985	17400	20300

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1971	11	8734	11188	15848	23500
1971	12	6162	10335	10003	26500
1972	1	6273	11287	6654	27600
1972	2	4430	10972	9247	28000
1972	3	6428	11245	10295	30200
1972	4	9271	11285	7204	31500
1972	5	44372	36906	1694	22400
1972	6	94835	60254	4057	43200
1972	7	26734	42241	2855	25800
1972	8	12368	30964	2224	10300
1972	9	8910	15733	6712	9500
1972	10	9493	9099	6811	16300
1972	11	6692	5194	6113	25200
1972	12	5539	6843	6158	30700
1973	1	4567	7813	5708	34400
1973	2	4268	7496	6262	36900
1973	3	4954	8866	6724	39100
1973	4	6656	8601	7855	40500
1973	5	47519	35276	1581	32400
1973	6	53270	43198	1536	30400
1973	7	21755	28470	1282	20400
1973	8	9974	31089	859	2400
1973	9	8081	13414	1510	900
1973	10	6097	8384	1633	4700
1973	11	6877	3706	2706	13500
1973	12	5158	5692	2040	19600
1974	1	7799	6569	3458	23900
1974	2	4504	6950	3627	26700
1974	3	6037	7986	11914	31400
1974	4	20903	8361	8634	41600
1974	5	68468	63246	10515	33800
1974	6	125190	103783	34325	42900
1974	7	44184	49289	12757	33300
1974	8	15568	38517	3291	13300
1974	9	8107	17487	3188	8600
1974	10	6801	12255	6950	10200
1974	11	5960	7123	7827	16800
1974	12	5956	6137	7730	22300
1975	1	6144	7668	7545	25800
1975	2	5008	7900	6341	27900
1975	3	3899	10085	6710	29900
1975	4	4117	11733	6972	32000
1975	5	29314	27211	17279	27000
1975	6	111402	73753	17144	40500
1975	7	89466	82530	35662	40100
1975	8	20148	48039	5936	12000

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1975	9	10230	22778	10327	3200
1975	10	9698	14321	10559	5400
1975	11	7509	7079	11841	12000
1975	12	6472	6021	7797	19100
1976	1	5355	5867	6220	24200
1976	2	4518	4791	6436	27700
1976	3	5160	7500	7275	30700
1976	4	13164	7880	4438	39900
1976	5	69208	52086	4276	41400
1976	6	60978	59536	3480	31500
1976	7	29845	43706	1438	12400
1976	8	17376	30714	1774	600
1976	9	16525	21183	3688	600
1976	10	10134	18538	10309	3300
1976	11	6896	10222	11225	4800
1976	12	5188	3625	4035	15500
1977	1	4531	4910	2569	21700
1977	2	3785	5289	3006	25800
1977	3	3573	6246	3041	29400
1977	4	6956	6293	708	30700
1977	5	12271	11287	720	28900
1977	6	47197	31119	585	29400
1977	7	16340	31929	230	11700
1977	8	8313	20316	91	900
1977	9	5518	10565	161	500
1977	10	5478	4210	264	5800
1977	11	3613	3137	373	14000
1977	12	4506	4629	306	20500
1978	1	5105	5627	198	25300
1978	2	3752	5712	153	28600
1978	3	5023	6962	183	31800
1978	4	8775	7067	252	34400
1978	5	34789	18828	73	32800
1978	6	83487	57258	762	41100
1978	7	50709	59536	1091	27100
1978	8	14263	41460	782	2900
1978	9	19719	11513	1968	14300
1978	10	10267	10239	754	20600
1978	11	7896	6019	458	28400
1978	12	6470	6071	722	34100
1979	1	5454	6914	512	38400
1979	2	5099	6976	579	41500
1979	3	6109	8839	1714	43600
1979	4	8527	9047	1458	44000
1979	5	51618	36692	1234	44300
1979	6	40587	51169	758	24500

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1979	7	15174	32825	448	5300
1979	8	11714	16366	581	1800
1979	9	6565	11303	268	1100
1979	10	5474	7250	196	4600
1979	11	4863	4504	276	11600
1979	12	4317	4533	240	18300
1980	1	4333	5686	228	23300
1980	2	3797	5910	232	26900
1980	3	3740	7097	248	29900
1980	4	12313	6724	220	34200
1980	5	59568	39553	1922	43500
1980	6	69329	59292	7585	44600
1980	7	52179	64605	5712	27400
1980	8	15436	34424	3478	8500
1980	9	13217	9958	1589	15800
1980	10	9013	9126	1341	21500
1980	11	7535	5047	-1	30400
1980	12	6547	6609	-1	36300
1981	1	5430	7176	-1	40500
1981	2	4432	6734	-1	43700
1981	3	5135	10900	643	44000
1981	4	17402	16354	5204	44800
1981	5	56151	42894	9565	44900
1981	6	79388	69390	10349	43500
1981	7	30450	50812	690	17000
1981	8	11392	28161	472	1300
1981	9	7283	11755	679	1000
1981	10	7656	7750	-1	6500
1981	11	6329	4172	-1	14400
1981	12	6087	5148	-1	21400
1982	1	5186	6250	-1	25900
1982	2	4145	6299	-1	30600
1982	3	5014	7478	-1	34600
1982	4	11196	16380	-1	34200
1982	5	63841	51370	28383	35800
1982	6	102880	82802	29663	44900
1982	7	72543	71916	38291	43800
1982	8	23881	49663	7252	18700
1982	9	12142	19529	11154	15300
1982	10	11932	7688	12331	28500
1982	11	8299	5976	8232	37900
1982	12	6867	13079	10634	37700
1983	1	5268	13102	11081	36900
1983	2	3569	7563	6984	39900
1983	3	3734	23810	18812	31300
1983	4	6684	22112	20064	25000

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1983	5	64409	40805	27526	31000
1983	6	131619	104596	66518	41800
1983	7	81638	71390	56290	42300
1983	8	32488	38873	17513	32000
1983	9	13398	21481	17312	27800
1983	10	13743	15977	21477	34900
1983	11	22213	39307	45386	32800
1983	12	17126	29476	37385	30600
1984	1	15727	18221	-1	33300
1984	2	13126	17519	-1	36100
1984	3	12711	14120	-1	36800
1984	4	15023	0	-1	37200
1984	5	70019	48979	41331	42900
1984	6	94347	90417	59197	44900
1984	7	63450	66700	29030	44400
1984	8	28457	55076	30913	28100
1984	9	7013	29538	21850	23600
1984	10	11820	22120	22820	25300
1984	11	9980	15080	21610	30900
1984	12	9030	15420	18000	29800
1985	1	6760	12130	12830	31200
1985	2	5550	5870	5160	38500
1985	3	7540	14440	9970	39300
1985	4	16590	18990	18700	43200
1985	5	40100	30970	8120	43800
1985	6	36060	42800	911	32500
1985	7	15780	31090	216	16500
1985	8	8950	25290	453	3700
1985	9	22470	27990	13630	1300
1985	10	9810	19370	12340	500
1985	11	7540	3770	3200	13700
1985	12	7820	5690	1890	21300
1986	1	7120	6450	1190	26900
1986	2	6360	6620	2850	31100
1986	3	8830	7640	5950	38400
1986	4	22520	17910	13810	44000
1986	5	67490	51840	21560	44600
1986	6	114800	101600	54570	44300
1986	7	34000	43190	4840	30900
1986	8	15470	35320	3510	11900
1986	9	10790	27130	19510	200
1986	10	9830	6580	9160	13600
1986	11	7520	5610	5360	22200
1986	12	4880	7280	6040	27900
1987	1	4390	7380	4080	32600
1987	2	3800	6650	4230	35800

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APPENDIX A: BIG LOST RIVER MONTHLY DISCHARGE AND STORAGE IN ACRE-FEET.
(-1 Indicates Missing Data)

YEAR	CALENDAR MONTH	HOWELL RANCH (13120500)	BELOW MACKAY DAM (13127000)	BELOW ARCO (13132500)	RESERVOIR STORAGE (13126000)
1987	3	4880	7690	5210	38900
1987	4	14460	7140	2310	40800
1987	5	42540	26690	516	44500
1987	6	28950	30430	527	37100
1987	7	15480	28510	799	23600
1987	8	9820	29700	415	6400
1987	9	7980	12860	243	4800
1987	10	5870	8280	717	8500
1987	11	4590	4850	1310	15300
1987	12	4240	5650	791	20600
1988	1	4180	6390	622	24200
1988	2	3800	6660	566	26600
1988	3	4550	7940	385	28600
1988	4	9740	5870	283	31800
1988	5	31520	17740	250	27700
1988	6	35340	33760	6	15700
1988	7	9430	24640	0	1500
1988	8	5130	10470	0	600
1988	9	4010	9010	0	700
1988	10	4050	6674	0	3920
1988	11	4030	3560	0	10400
1988	12	4030	3870	0	16100
1989	1	4100	5070	0	20800
1989	2	3420	5460	0	23900
1989	3	4050	6100	0	26700
1989	4	11520	5550	0	28000
1989	5	30640	14000	0	25800
1989	6	43410	29370	0	22400
1989	7	18570	28520	0	6750
1989	8	7850	16900	0	500
1989	9	6600	10410	0	500
1989	10	7300	8600	0	3800
1989	11	5700	3700	0	9610
1989	12	4400	3600	0	15700
1990	1	3800	4600	0	20700
1990	2	2900	4900	0	24400
1990	3	4900	6000	0	27600
1990	4	13900	5800	0	29700
1990	5	21200	16600	0	22200
1990	6	47800	19800	0	35100
1990	7	21200	35300	0	16400
1990	8	9600	24900	0	2930
1990	9	6300	12700	0	626
1990	10	-1	11316	0	830
1990	11	-1	-1	0	-1
1990	12	-1	-1	0	-1

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APPENDIX B

MONTHLY IRRIGATION DIVERSIONS

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APPENDIX B: MONTHLY IRRIGATION DIVERSIONS
IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1922	1	-1	-1	-1	-1	-1	-1	0
1922	2	-1	-1	-1	-1	-1	-1	0
1922	3	-1	-1	-1	-1	-1	-1	0
1922	4	-1	-1	-1	-1	-1	-1	0
1922	5	-1	-1	-1	-1	-1	-1	0
1922	6	-1	-1	-1	-1	-1	-1	0
1922	7	-1	-1	-1	-1	-1	-1	0
1922	8	-1	-1	-1	-1	-1	-1	0
1922	9	-1	-1	-1	-1	-1	-1	0
1922	10	-1	-1	-1	-1	-1	-1	0
1922	11	0	-1	-1	-1	-1	7137	0
1922	12	0	-1	-1	-1	-1	1865	0
1923	1	0	-1	-1	-1	-1	583	0
1923	2	0	-1	-1	-1	-1	542	0
1923	3	0	-1	-1	-1	-1	644	0
1923	4	2400	-1	-1	-1	-1	4608	0
1923	5	15992	-1	-1	-1	-1	22255	0
1923	6	28861	-1	-1	-1	-1	49454	0
1923	7	25775	-1	-1	-1	-1	65764	0
1923	8	15592	-1	-1	-1	-1	47058	0
1923	9	9446	-1	-1	-1	-1	24311	0
1923	10	4820	-1	-1	-1	-1	16339	0
1923	11	2400	-1	-1	-1	-1	7139	0
1923	12	0	-1	-1	-1	-1	3312	0
1924	1	0	-1	-1	-1	-1	1138	0
1924	2	0	-1	-1	-1	-1	1321	0
1924	3	0	-1	-1	-1	-1	2187	0
1924	4	3500	-1	-1	-1	-1	5612	0
1924	5	11971	-1	-1	-1	-1	25672	0
1924	6	14408	-1	-1	-1	-1	26070	0
1924	7	9828	-1	-1	-1	-1	21986	0
1924	8	5293	-1	-1	-1	-1	10120	0
1924	9	4556	-1	-1	-1	-1	8758	0
1924	10	3813	-1	-1	-1	-1	10925	0
1924	11	1800	89	-1	-1	-1	5424	0
1924	12	700	0	-1	-1	-1	2991	0
1925	1	0	0	-1	-1	-1	1177	0
1925	2	0	0	-1	-1	-1	1076	0
1925	3	0	0	-1	-1	-1	1257	0
1925	4	2000	440	-1	-1	-1	6388	0
1925	5	15472	1455	-1	-1	-1	29006	0
1925	6	22106	1630	-1	-1	-1	51375	0
1925	7	16190	1635	-1	-1	-1	48655	0
1925	8	13867	1400	-1	-1	-1	37345	0
1925	9	8194	1075	-1	-1	-1	23418	0
1925	10	5178	624	-1	-1	-1	14179	0

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APPENDIX B: MONTHLY IRRIGATION DIVERSIONS IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1925	11	1900	240	-1	-1	-1	6535	0
1925	12	900	250	-1	-1	-1	4705	0
1926	1	700	89	-1	-1	-1	1733	0
1926	2	0	0	-1	-1	-1	1290	0
1926	3	400	0	-1	-1	-1	2000	0
1926	4	2900	756	-1	-1	-1	9725	0
1926	5	18553	1390	-1	-1	-1	25363	0
1926	6	16053	1320	-1	-1	-1	26205	0
1926	7	9808	1300	-1	-1	-1	18495	0
1926	8	5587	1240	-1	-1	-1	9163	0
1926	9	4984	1120	-1	-1	-1	8790	0
1926	10	3777	974	-1	-1	-1	9272	0
1926	11	1200	446	-1	-1	-1	5230	0
1926	12	500	325	-1	-1	-1	3105	0
1927	1	0	0	-1	-1	-1	528	0
1927	2	0	0	-1	-1	-1	380	0
1927	3	0	8	-1	-1	-1	842	0
1927	4	1560	524	-1	-1	-1	4553	0
1927	5	7754	1375	-1	-1	-1	13277	0
1927	6	24403	1820	-1	-1	-1	58442	0
1927	7	13639	1675	-1	-1	-1	49800	0
1927	8	10747	1345	-1	-1	-1	23291	0
1927	9	7273	1270	-1	-1	-1	16513	0
1927	10	4856	721	-1	-1	-1	13584	0
1927	11	1800	238	-1	-1	-1	6337	0
1927	12	700	30	-1	-1	-1	2938	0
1928	1	0	0	-1	-1	-1	1430	0
1928	2	0	0	-1	-1	-1	1423	0
1928	3	1200	139	-1	-1	-1	4943	0
1928	4	2700	832	-1	-1	-1	6937	0
1928	5	21184	1600	-1	-1	-1	34539	0
1928	6	13700	1670	-1	-1	-1	45514	0
1928	7	11560	1415	-1	-1	-1	31168	0
1928	8	10559	1143	-1	-1	-1	14036	0
1928	9	6830	1080	-1	-1	-1	10907	0
1928	10	5468	761	-1	-1	-1	12354	0
1928	11	-1	65	-1	-1	-1	-1	0
1928	12	-1	0	-1	-1	-1	-1	0
1929	1	-1	0	-1	-1	-1	-1	0
1929	2	-1	0	-1	-1	-1	-1	0
1929	3	-1	196	-1	-1	-1	-1	0
1929	4	-1	692	-1	-1	-1	-1	0
1929	5	-1	1365	-1	-1	-1	-1	0
1929	6	-1	1330	-1	-1	-1	-1	0
1929	7	-1	1245	-1	-1	-1	-1	0
1929	8	-1	1040	-1	-1	-1	-1	0

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APPENDIX B: MONTHLY IRRIGATION DIVERSIONS
IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1929	9	-1	927	-1	-1	-1	-1	0
1929	10	-1	847	-1	-1	-1	-1	0
1929	11	2000	147	-1	-1	-1	2750	0
1929	12	700	149	-1	-1	-1	1450	0
1930	1	100	0	-1	-1	-1	495	0
1930	2	100	0	-1	-1	-1	447	0
1930	3	400	0	-1	-1	-1	915	0
1930	4	1688	619	-1	-1	-1	4882	0
1930	5	19467	1140	-1	-1	-1	13201	0
1930	6	19481	1450	-1	-1	-1	40432	0
1930	7	12627	1280	-1	-1	-1	21365	0
1930	8	13634	1220	-1	-1	-1	13043	0
1930	9	6534	1060	-1	-1	-1	11262	0
1930	10	2817	490	-1	-1	-1	9854	0
1930	11	0	60	-1	-1	-1	2032	0
1930	12	0	0	-1	-1	-1	123	0
1931	1	0	0	-1	-1	-1	137	0
1931	2	0	79	-1	-1	-1	412	0
1931	3	0	560	-1	-1	-1	1683	0
1931	4	3100	969	-1	-1	-1	5043	0
1931	5	13928	1049	-1	-1	-1	7536	0
1931	6	16715	947	-1	-1	-1	20293	0
1931	7	8668	890	-1	-1	-1	10126	0
1931	8	4625	927	-1	-1	-1	8258	0
1931	9	3378	990	-1	-1	-1	6912	0
1931	10	2230	914	-1	-1	-1	7196	0
1931	11	0	42	-1	-1	-1	2371	0
1931	12	0	0	-1	-1	-1	147	0
1932	1	0	0	-1	-1	-1	123	0
1932	2	0	0	-1	-1	-1	115	0
1932	3	0	31	-1	-1	-1	735	0
1932	4	2385	399	-1	-1	-1	3537	0
1932	5	11598	836	-1	-1	-1	12173	0
1932	6	19570	1310	-1	-1	-1	41518	0
1932	7	14462	1210	-1	-1	-1	37537	0
1932	8	9289	855	-1	-1	-1	20741	0
1932	9	6405	833	-1	-1	-1	11414	0
1932	10	5191	590	-1	-1	-1	9581	0
1932	11	0	83	-1	-1	-1	3991	0
1932	12	0	0	-1	-1	-1	1504	0
1933	1	0	0	-1	-1	-1	123	0
1933	2	0	0	-1	-1	-1	111	0
1933	3	0	92	-1	-1	-1	656	0
1933	4	1431	464	-1	-1	-1	3718	0
1933	5	9731	953	-1	-1	-1	4396	0
1933	6	16334	1410	-1	-1	-1	38926	0

APPENDIX B: MONTHLY IRRIGATION DIVERSIONS
IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1933	7	13193	1090	-1	-1	-1	15336	0
1933	8	8097	855	-1	-1	-1	7794	0
1933	9	3760	839	-1	-1	-1	6397	0
1933	10	2287	810	-1	-1	-1	7022	0
1933	11	0	188	-1	-1	-1	3853	0
1933	12	0	149	-1	-1	-1	2318	0
1934	1	0	123	-1	-1	-1	1345	0
1934	2	0	119	-1	-1	-1	1312	0
1934	3	0	227	-1	-1	-1	2930	0
1934	4	13065	553	-1	-1	-1	3095	0
1934	5	20069	924	-1	-1	-1	12134	0
1934	6	15746	904	-1	-1	-1	8371	0
1934	7	10467	950	-1	-1	-1	4247	0
1934	8	8388	781	-1	-1	-1	2980	0
1934	9	4022	728	-1	-1	-1	3312	0
1934	10	2867	495	-1	-1	-1	4048	0
1934	11	0	173	-1	-1	-1	1643	0
1934	12	0	101	-1	-1	-1	766	0
1935	1	0	0	-1	-1	-1	512	0
1935	2	0	16	-1	-1	-1	460	0
1935	3	0	186	-1	-1	-1	1425	0
1935	4	7986	204	-1	-1	-1	1973	0
1935	5	13724	827	-1	-1	-1	4516	0
1935	6	21632	1270	-1	-1	-1	33903	0
1935	7	12165	1480	-1	-1	-1	28362	0
1935	8	10544	1220	-1	-1	-1	15776	0
1935	9	6401	926	-1	-1	-1	6513	0
1935	10	5211	595	-1	-1	-1	7365	0
1935	11	0	114	-1	-1	-1	852	0
1935	12	0	0	-1	-1	-1	433	0
1936	1	0	0	-1	-1	-1	371	0
1936	2	0	0	-1	-1	-1	349	0
1936	3	0	0	-1	-1	-1	556	0
1936	4	8049	280	-1	-1	-1	1779	0
1936	5	17562	700	-1	-1	-1	12162	0
1936	6	15984	990	-1	-1	-1	16336	0
1936	7	17109	966	-1	-1	-1	16913	0
1936	8	12875	748	-1	-1	-1	7004	0
1936	9	5810	490	-1	-1	-1	4860	0
1936	10	4295	359	-1	-1	-1	8070	0
1936	11	-1	-1	-1	-1	-1	-1	0
1936	12	-1	-1	-1	-1	-1	-1	0
1937	1	-1	-1	-1	-1	-1	-1	0
1937	2	-1	-1	-1	-1	-1	-1	0
1937	3	-1	-1	-1	-1	-1	-1	0
1937	4	-1	-1	-1	-1	-1	-1	0

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APPENDIX B: MONTHLY IRRIGATION DIVERSIONS
IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1937	5	-1	-1	-1	-1	-1	-1	0
1937	6	-1	-1	-1	-1	-1	-1	0
1937	7	-1	-1	-1	-1	-1	-1	0
1937	8	-1	-1	-1	-1	-1	-1	0
1937	9	-1	-1	-1	-1	-1	-1	0
1937	10	-1	-1	-1	-1	-1	-1	0
1937	11	-1	-1	-1	-1	-1	-1	0
1937	12	-1	-1	-1	-1	-1	-1	0
1938	1	-1	-1	-1	-1	-1	-1	0
1938	2	-1	-1	-1	-1	-1	-1	0
1938	3	-1	-1	-1	-1	-1	-1	0
1938	4	-1	-1	-1	-1	-1	-1	0
1938	5	-1	-1	-1	-1	-1	-1	0
1938	6	-1	-1	-1	-1	-1	-1	0
1938	7	-1	-1	-1	-1	-1	-1	0
1938	8	-1	-1	-1	-1	-1	-1	0
1938	9	-1	-1	-1	-1	-1	-1	0
1938	10	-1	-1	-1	-1	-1	-1	0
1938	11	0	417	3491	1987	2380	7858	0
1938	12	0	369	1803	3603	1864	7270	0
1939	1	0	21	887	3003	1269	5159	0
1939	2	0	20	920	1973	1924	4817	0
1939	3	0	184	1930	1616	2162	5708	0
1939	4	6867	476	3832	1908	1997	7737	0
1939	5	6870	565	4836	6302	2622	13760	0
1939	6	1309	1110	10376	8653	2773	21802	0
1939	7	5356	1040	9360	8763	3080	21203	0
1939	8	3917	756	7014	6663	2061	15738	0
1939	9	2995	461	2910	3612	1277	7799	0
1939	10	2222	179	5556	3543	1535	10634	0
1939	11	-1	78	-1	-1	-1	-1	0
1939	12	-1	208	-1	-1	-1	-1	0
1940	1	-1	126	-1	-1	-1	-1	0
1940	2	-1	26	-1	-1	-1	-1	0
1940	3	-1	38	-1	-1	-1	-1	0
1940	4	-1	55	-1	-1	-1	-1	0
1940	5	3815	830	5571	12412	1643	19626	0
1940	6	3613	1070	11150	23686	4408	39244	0
1940	7	3202	946	8736	14595	1768	25099	0
1940	8	1576	727	5752	7936	1006	14694	0
1940	9	487	186	278	4428	272	4978	0
1940	10	0	242	726	4497	103	5326	0
1940	11	0	342	1216	1714	100	3030	0
1940	12	0	158	269	1699	90	2058	0
1941	1	0	49	252	2424	28	2704	0
1941	2	0	33	179	2119	0	2297	0

APPENDIX B: MONTHLY IRRIGATION DIVERSIONS IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1941	3	0	25	171	2250	0	2420	0
1941	4	5347	113	1163	2984	0	4147	0
1941	5	6545	548	3877	7996	69	11942	0
1941	6	15884	1520	14029	20405	599	35033	0
1941	7	16733	1850	17471	26145	2290	45906	0
1941	8	6527	925	10265	20481	2899	33645	0
1941	9	2381	443	3139	6006	1502	10646	0
1941	10	1577	150	2545	3694	224	6464	0
1941	11	-1	-1	-1	-1	-1	-1	0
1941	12	-1	-1	-1	-1	-1	-1	0
1942	1	-1	-1	-1	-1	-1	-1	0
1942	2	-1	-1	-1	-1	-1	-1	0
1942	3	-1	-1	-1	-1	-1	-1	0
1942	4	-1	-1	-1	-1	-1	-1	0
1942	5	-1	-1	-1	-1	-1	-1	0
1942	6	-1	-1	-1	-1	-1	-1	0
1942	7	-1	-1	-1	-1	-1	-1	0
1942	8	-1	-1	-1	-1	-1	-1	0
1942	9	-1	-1	-1	-1	-1	-1	0
1942	10	-1	-1	-1	-1	-1	-1	0
1942	11	0	154	1111	1190	0	2301	0
1942	12	0	50	746	2238	0	2984	0
1943	1	0	12	349	2768	0	3117	0
1943	2	0	12	139	2500	0	2639	0
1943	3	0	12	147	2768	0	2914	0
1943	4	1359	142	1085	3202	0	4287	0
1943	5	6006	1110	9325	12239	2167	23731	0
1943	6	17441	1610	13749	23157	4089	40995	0
1943	7	16912	1750	17344	24758	4851	46953	0
1943	8	8519	1430	16084	21628	5488	43200	0
1943	9	4777	790	6299	12747	2450	21497	0
1943	10	1087	710	2674	6519	181	9374	0
1943	11	0	329	1163	4811	1990	7964	0
1943	12	0	127	530	5801	556	6886	0
1944	1	0	18	202	0	0	202	0
1944	2	0	18	190	0	0	190	0
1944	3	0	24	351	0	0	351	0
1944	4	0	24	911	7990	0	8900	0
1944	5	9329	780	6390	12047	476	18913	0
1944	6	17146	1430	11712	18844	2903	33458	0
1944	7	17723	1708	19632	22669	5809	48110	0
1944	8	8595	1506	18084	21679	6811	46574	0
1944	9	2732	593	7240	14096	3016	24352	0
1944	10	952	409	3218	6424	665	10307	0
1944	11	0	36	274	0	0	274	0
1944	12	0	31	214	0	0	214	0

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APPENDIX B: MONTHLY IRRIGATION DIVERSIONS IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1945	1	0	55	56	0	0	56	0
1945	2	0	39	40	0	0	40	0
1945	3	0	37	38	0	0	38	0
1945	4	1260	18	1206	4135	0	5341	0
1945	5	9247	8	7261	9577	1480	18318	0
1945	6	17136	1900	17789	13934	4242	35964	0
1945	7	11706	1340	17967	29526	4900	52393	0
1945	8	9394	1030	29816	24264	4026	58105	0
1945	9	6238	803	9521	8904	2117	20542	0
1945	10	2000	1120	5498	4831	1413	11741	0
1945	11	0	199	198	0	0	198	0
1945	12	0	12	12	0	0	12	0
1946	1	0	0	0	0	0	0	0
1946	2	0	0	0	0	0	0	0
1946	3	0	31	30	0	0	30	0
1946	4	0	155	784	4535	0	5319	0
1946	5	14321	1610	12063	17838	4599	34500	0
1946	6	15066	1620	18880	26907	6039	51826	0
1946	7	14894	1270	19471	30167	7902	57540	0
1946	8	13013	1030	12811	19431	7555	39797	0
1946	9	6722	141	3438	8142	3851	15432	0
1946	10	1434	362	2286	4658	369	7313	0
1946	11	0	131	1381	1994	0	3375	0
1946	12	0	161	478	2458	0	2936	0
1947	1	0	43	44	0	0	44	0
1947	2	0	39	40	0	0	40	0
1947	3	0	40	40	0	0	40	0
1947	4	3284	36	1107	3799	0	4906	0
1947	5	16527	1690	13475	16634	6083	36192	0
1947	6	15469	1490	18652	18947	7025	44624	0
1947	7	12846	1530	21907	22169	6664	50741	0
1947	8	8626	1100	11723	14215	6033	31972	0
1947	9	5333	968	7299	10872	5730	23901	0
1947	10	1210	157	2623	4716	1641	8980	0
1947	11	0	66	65	2581	0	2647	0
1947	12	0	18	18	3412	0	3430	0
1948	1	0	0	0	0	0	0	0
1948	2	0	0	0	0	0	0	0
1948	3	0	0	0	0	0	0	0
1948	4	7845	648	3184	2299	0	5484	0
1948	5	15928	643	5813	8928	2145	16886	0
1948	6	15836	1990	22772	27236	9749	59758	0
1948	7	15213	1750	21217	23520	6682	51419	0
1948	8	12620	1320	16140	20215	4861	41216	0
1948	9	6012	773	6625	17364	5133	29121	0
1948	10	0	210	3776	4202	942	8920	0

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APPENDIX B: MONTHLY IRRIGATION DIVERSIONS IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1948	11	0	71	964	2032	0	2996	0
1948	12	0	0	186	0	0	186	0
1949	1	0	0	0	0	0	0	0
1949	2	0	0	0	0	0	0	0
1949	3	0	4	4	0	0	4	0
1949	4	3811	891	3438	2950	0	6388	0
1949	5	13434	690	5861	14384	4645	24889	0
1949	6	15961	1370	22149	20074	5873	48096	0
1949	7	10323	1430	20848	18667	5428	44944	0
1949	8	6815	1050	15862	13350	4754	33966	0
1949	9	4101	678	6525	9656	2167	18348	0
1949	10	881	1	3629	4837	708	9174	0
1949	11	0	0	1754	2063	0	3817	0
1949	12	0	0	444	1667	0	2111	0
1950	1	0	0	0	0	0	0	0
1950	2	0	0	0	0	0	0	0
1950	3	0	0	0	0	0	0	0
1950	4	1516	153	361	3293	0	3655	0
1950	5	8513	1210	7267	7373	2676	17316	0
1950	6	12257	1310	16957	15594	6424	38976	0
1950	7	11710	1640	19076	23977	7214	50267	0
1950	8	7027	1520	15789	14164	5444	35397	0
1950	9	3801	794	6146	5567	3657	15370	0
1950	10	1391	83	1909	4371	2103	8382	0
1950	11	0	107	107	3813	0	3920	0
1950	12	0	0	0	0	0	0	0
1951	1	0	0	0	0	0	0	0
1951	2	0	0	0	0	0	0	0
1951	3	0	0	0	0	0	0	0
1951	4	3444	408	2956	4498	0	7454	0
1951	5	10448	1090	10581	16785	4867	32232	0
1951	6	18223	1610	23913	23778	7025	54717	0
1951	7	14356	1960	24371	23157	7464	54993	0
1951	8	9198	1350	17517	15807	4611	37934	0
1951	9	3313	881	7400	9392	4305	21098	0
1951	10	0	558	3194	5754	3063	12011	0
1951	11	0	86	85	0	0	85	0
1951	12	0	31	30	0	0	30	0
1952	1	0	0	0	0	0	0	0
1952	2	0	15	14	0	0	14	0
1952	3	0	42	42	0	0	42	0
1952	4	2321	48	48	3222	0	3270	0
1952	5	15747	530	6678	12890	4710	24278	0
1952	6	18614	1850	24354	29667	8740	62760	0
1952	7	16586	1850	24102	26788	7466	58355	0
1952	8	10478	1820	25855	22463	10122	58441	0

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APPENDIX B: MONTHLY IRRIGATION DIVERSIONS IN ACRE-FEET

(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1952	9	3972	558	7333	8154	4815	20302	0
1952	10	0	488	5254	4508	2353	12114	0
1952	11	0	212	1548	2178	940	4666	0
1952	12	0	15	14	0	0	14	0
1953	1	0	4	4	0	0	4	0
1953	2	0	0	0	0	0	0	0
1953	3	0	0	0	0	0	0	0
1953	4	4962	284	1913	1833	476	4222	0
1953	5	16170	565	8865	10319	3119	22302	0
1953	6	21213	1190	17461	22346	7470	47277	0
1953	7	17144	2040	31190	29522	9577	70289	0
1953	8	13402	1320	24191	19290	6966	50447	0
1953	9	7273	879	11700	10505	6339	28544	0
1953	10	3835	459	4857	6908	2700	14465	0
1953	11	0	250	1617	2607	0	4224	0
1953	12	0	36	36	1516	0	1551	0
1954	1	0	0	0	0	0	0	0
1954	2	0	0	0	0	0	0	0
1954	3	0	5	4	0	0	4	0
1954	4	4861	328	3901	2297	0	6198	0
1954	5	12795	712	13763	17900	4664	36327	0
1954	6	18457	1090	14850	15838	5000	35688	0
1954	7	15890	1340	22143	23330	7301	52774	0
1954	8	7986	896	14406	16723	5498	36627	0
1954	9	5212	600	9527	11114	5480	26121	0
1954	10	1421	632	8902	7218	2913	19033	0
1954	11	-1	-1	-1	-1	-1	-1	0
1954	12	-1	-1	-1	-1	-1	-1	0
1955	1	-1	-1	-1	-1	-1	-1	0
1955	2	-1	-1	-1	-1	-1	-1	0
1955	3	-1	-1	-1	-1	-1	-1	0
1955	4	-1	-1	-1	-1	-1	-1	0
1955	5	-1	-1	-1	-1	-1	-1	0
1955	6	-1	-1	-1	-1	-1	-1	0
1955	7	-1	-1	-1	-1	-1	-1	0
1955	8	-1	-1	-1	-1	-1	-1	0
1955	9	-1	-1	-1	-1	-1	-1	0
1955	10	-1	-1	-1	-1	-1	-1	0
1955	11	0	45	1633	1542	506	3680	0
1955	12	0	31	438	1032	0	1470	0
1956	1	0	37	0	0	0	0	0
1956	2	0	42	0	0	0	0	0
1956	3	0	41	0	0	0	0	0
1956	4	2837	283	1730	1286	24	3039	0
1956	5	9361	730	9134	17517	4172	30823	0
1956	6	13414	1660	24179	38551	7476	70206	0

APPENDIX B: MONTHLY IRRIGATION DIVERSIONS IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1956	7	12934	1800	23711	26669	8232	58611	0
1956	8	10797	1030	18868	16489	6813	42170	0
1956	9	8416	598	8567	8101	3282	19949	0
1956	10	1538	958	4994	6012	1849	12854	0
1956	11	0	67	1125	2081	12	3218	0
1956	12	0	24	728	1805	0	2534	0
1957	1	0	10	8	1722	0	1730	0
1957	2	0	2	2	1555	0	1557	0
1957	3	0	0	0	1476	0	1476	0
1957	4	0	15	341	1222	0	1563	0
1957	5	11120	26	1954	6472	333	8759	0
1957	6	21036	1460	24840	26754	5123	56717	0
1957	7	13368	1610	25233	25980	8138	59351	0
1957	8	8914	1280	21320	21354	9186	51860	0
1957	9	5617	987	6367	8378	2966	17711	0
1957	10	1518	958	4577	7924	1196	13698	0
1957	11	0	203	2026	3363	278	5666	0
1957	12	0	3	363	1917	0	2280	0
1958	1	0	0	0	1790	0	1790	0
1958	2	0	0	0	2083	0	2083	0
1958	3	0	0	0	2411	0	2411	0
1958	4	0	67	1415	2401	0	3815	0
1958	5	9206	273	8696	-1	3426	-1	0
1958	6	19596	1830	26443	-1	6208	-1	0
1958	7	17820	1570	26473	26538	8617	61627	0
1958	8	8283	1360	23512	20181	7732	51425	0
1958	9	2248	407	9858	13459	4700	28018	0
1958	10	1667	274	5593	13237	1903	20733	0
1958	11	0	12	12	1101	0	1113	0
1958	12	0	8	8	766	0	774	0
1959	1	0	0	0	923	0	923	0
1959	2	0	0	0	833	0	833	0
1959	3	0	0	0	1821	0	1821	0
1959	4	0	609	609	1821	0	2430	0
1959	5	6863	565	8049	8618	2813	19481	0
1959	6	7898	1230	15430	21977	6037	43444	0
1959	7	9289	1150	11033	14771	3738	29542	0
1959	8	6283	1030	7708	8301	2879	18888	0
1959	9	1924	420	6174	6166	2131	14471	0
1959	10	0	105	1805	3787	1143	6736	0
1959	11	0	74	1266	833	119	2218	0
1959	12	0	31	817	655	0	1472	0
1960	1	0	31	0	436	0	436	-1
1960	2	0	15	0	357	0	357	-1
1960	3	0	0	893	476	60	1428	-1
1960	4	0	203	823	1298	536	2657	-1

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IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1960	5	8839	360	4994	6138	1585	12717	-1
1960	6	10029	1050	14340	19689	5260	39289	-1
1960	7	10186	884	9511	13182	3315	26008	-1
1960	8	4952	673	2869	4738	1272	8878	-1
1960	9	2067	541	3601	3303	746	7650	-1
1960	10	0	192	1756	1623	208	3587	-1
1960	11	0	149	833	238	0	1071	-1
1960	12	0	96	0	0	0	0	-1
1961	1	0	0	0	0	0	0	-1
1961	2	0	0	0	0	0	0	-1
1961	3	0	9	377	258	0	635	-1
1961	4	0	290	724	960	0	1684	-1
1961	5	6502	130	3252	3357	157	6765	-1
1961	6	10251	887	10686	15360	3708	29754	-1
1961	7	8119	755	7220	7311	982	15513	-1
1961	8	4220	356	3192	1815	171	5178	-1
1961	9	813	320	1502	1440	101	3043	-1
1961	10	0	564	1585	387	83	2055	-1
1961	11	0	169	1230	714	0	1944	-1
1961	12	0	55	833	556	0	1389	-1
1962	1	0	0	0	0	0	0	-1
1962	2	0	0	0	0	0	0	-1
1962	3	0	0	913	214	62	1188	-1
1962	4	0	218	972	1349	60	2381	-1
1962	5	12295	176	5379	8311	1960	15650	-1
1962	6	13862	1220	13541	20890	2335	36766	-1
1962	7	18818	1290	14243	16902	776	31921	-1
1962	8	13660	999	11731	11821	175	23727	-1
1962	9	1641	473	4309	4518	99	8926	-1
1962	10	409	716	2478	2113	0	4591	-1
1962	11	0	184	2276	1210	0	3486	-1
1962	12	0	26	552	107	0	659	-1
1963	1	0	20	20	0	0	20	-1
1963	2	0	18	18	0	0	18	-1
1963	3	0	18	593	0	0	593	-1
1963	4	962	24	1750	2833	0	4583	-1
1963	5	10936	652	6573	8464	0	15037	-1
1963	6	15164	1034	19898	26820	1212	47929	-1
1963	7	13577	1372	24875	34512	960	60347	-1
1963	8	8414	1042	12908	20163	972	34043	-1
1963	9	3518	450	5305	8999	938	15243	-1
1963	10	393	166	9299	8309	540	18148	-1
1963	11	0	185	3262	2520	0	5781	-1
1963	12	0	21	468	95	0	563	-1
1964	1	0	0	0	0	0	0	-1
1964	2	0	0	0	0	0	0	-1

APPENDIX B: MONTHLY IRRIGATION DIVERSIONS IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1971	11	0	0	0	0	0	0	-1
1971	12	0	0	0	0	0	0	-1
1972	1	0	0	0	0	0	0	0
1972	2	0	0	0	0	0	0	0
1972	3	0	0	0	0	0	0	0
1972	4	0	0	0	0	0	0	0
1972	5	13077	790	13582	15729	2815	32127	412
1972	6	20001	1482	24135	21596	4291	50023	286
1972	7	19237	1220	19636	18921	3821	42378	410
1972	8	12338	1118	14842	11969	2462	29274	373
1972	9	12285	80	6634	3472	317	10424	21
1972	10	0	104	2639	1173	0	3811	0
1972	11	0	0	0	0	0	0	-1
1972	12	0	0	0	0	0	0	-1
1973	1	0	0	0	0	0	0	-1
1973	2	0	0	0	0	0	0	-1
1973	3	0	0	0	0	0	0	-1
1973	4	0	0	0	0	0	0	-1
1973	5	10906	815	13263	10638	5059	28960	-1
1973	6	20146	938	20239	15987	12005	48231	-1
1973	7	17066	388	13606	14303	8789	36698	-1
1973	8	15642	642	15727	14920	9480	40126	-1
1973	9	13892	364	5734	4535	4285	14555	-1
1973	10	0	214	3438	2353	708	6500	-1
1973	11	0	0	0	0	0	0	-1
1973	12	0	0	0	0	0	0	-1
1974	1	0	0	0	0	0	0	-1
1974	2	0	0	0	0	0	0	-1
1974	3	0	0	0	0	0	0	-1
1974	4	0	0	0	0	0	0	-1
1974	5	11025	1242	20100	16261	4621	40982	-1
1974	6	16808	1646	25830	25475	7601	58905	-1
1974	7	16406	1524	23782	20513	5996	50290	-1
1974	8	11259	1118	21497	19090	6492	47078	-1
1974	9	9730	392	8886	7464	2284	18634	-1
1974	10	0	326	4938	1792	837	7567	-1
1974	11	0	0	0	0	0	0	0
1974	12	0	0	0	0	0	0	0
1975	1	0	0	0	0	0	0	0
1975	2	0	0	0	0	0	0	0
1975	3	0	0	0	0	0	0	0
1975	4	0	0	0	0	0	0	0
1975	5	0	150	2000	2450	109	4559	22
1975	6	20380	1548	27982	19400	6634	54016	307
1975	7	22040	1114	23364	17824	6490	47678	7175
1975	8	15852	1462	26639	24163	8878	59681	983

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YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1975	9	13803	802	14315	6297	3176	23788	153
1975	10	0	502	5710	2992	234	8936	0
1975	11	0	0	0	0	0	0	0
1975	12	0	0	0	0	0	0	0
1976	1	0	0	0	0	0	0	0
1976	2	0	0	0	0	0	0	0
1976	3	0	0	0	0	0	0	0
1976	4	0	0	0	0	0	0	0
1976	5	8418	848	14898	11045	3137	29079	520
1976	6	17324	1308	29579	27728	10009	67317	2340
1976	7	17898	990	17473	17497	7438	42408	3640
1976	8	15814	788	16739	11146	6160	34045	2568
1976	9	11126	610	8063	3978	1673	13713	366
1976	10	0	180	1823	1551	42	3416	0
1976	11	0	0	0	0	0	0	0
1976	12	0	0	0	0	0	0	0
1977	1	0	0	0	0	0	0	0
1977	2	0	0	0	0	0	0	0
1977	3	0	0	0	0	0	0	0
1977	4	1815	0	0	0	0	0	0
1977	5	10618	270	2740	2274	1454	6468	1358
1977	6	17215	622	9355	10894	5049	25298	2649
1977	7	17168	746	13404	14428	5420	33252	3329
1977	8	17753	722	12585	9495	4732	26812	3561
1977	9	10884	352	4450	2577	1593	8620	1439
1977	10	0	276	1165	1591	282	3038	34
1977	11	0	0	0	0	0	0	0
1977	12	0	0	0	0	0	0	0
1978	1	0	0	0	0	0	0	0
1978	2	0	0	0	0	0	0	0
1978	3	0	0	0	0	0	0	0
1978	4	0	0	0	0	0	0	0
1978	5	6428	362	3172	4212	54	7438	32
1978	6	16219	846	19735	23522	7474	50731	1930
1978	7	17973	794	19778	20179	8017	47975	2153
1978	8	13108	868	16344	15610	7073	39027	2194
1978	9	1173	602	3282	2119	984	6385	551
1978	10	0	238	883	1240	101	2224	47
1978	11	0	0	0	0	0	0	0
1978	12	0	0	0	0	0	0	0
1979	1	0	0	0	0	0	0	0
1979	2	0	0	0	0	0	0	0
1979	3	0	0	0	0	0	0	0
1979	4	0	0	0	0	0	0	600
1979	5	5198	626	6988	6809	1202	14999	660
1979	6	17019	938	19215	17332	8200	44747	3237

APPENDIX B: MONTHLY IRRIGATION DIVERSIONS
IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1979	7	12579	516	12096	16285	6728	35109	5384
1979	8	9575	432	7121	5738	5041	17900	4717
1979	9	6206	604	4543	2823	2430	9797	1504
1979	10	0	176	1516	1173	0	2688	189
1979	11	0	0	0	0	0	0	0
1979	12	0	0	0	0	0	0	0
1980	1	0	0	0	0	0	0	0
1980	2	0	0	0	0	0	0	0
1980	3	0	0	0	0	0	0	0
1980	4	0	0	0	0	0	0	0
1980	5	0	626	7789	7450	1480	16719	130
1980	6	17039	1348	18548	19517	5359	43424	1370
1980	7	17675	1264	22257	25131	7537	54925	1700
1980	8	9597	944	15140	14291	5801	35232	2924
1980	9	4426	102	1319	2008	958	4285	805
1980	10	0	400	1762	1482	188	3432	157
1980	11	0	0	0	0	0	0	0
1980	12	0	0	0	0	0	0	0
1981	1	0	0	0	0	0	0	0
1981	2	0	0	0	0	0	0	0
1981	3	0	0	0	0	0	0	0
1981	4	0	0	0	0	0	0	0
1981	5	0	1134	7172	7565	1968	16705	108
1981	6	17515	1852	20937	21199	5260	47396	775
1981	7	17636	1034	17556	21078	7375	46009	3581
1981	8	9644	884	12045	11712	6956	30712	4525
1981	9	4424	366	3799	5043	3293	12136	2645
1981	10	0	168	1073	1210	272	2555	309
1981	11	0	0	0	0	0	0	0
1981	12	0	0	0	0	0	0	0
1982	1	0	0	0	0	0	0	0
1982	2	0	0	0	0	0	0	0
1982	3	0	0	0	0	0	0	0
1982	4	0	0	0	0	0	0	0
1982	5	0	198	4065	4988	758	9811	0
1982	6	15850	1224	14699	16961	5857	37517	0
1982	7	16392	1244	14279	17318	6069	37666	0
1982	8	15850	1278	17753	16057	6051	39861	452
1982	9	4750	1174	8337	5387	2343	16066	206
1982	10	0	322	1617	389	28	2034	112
1982	11	0	0	0	0	0	0	0
1982	12	0	0	0	0	0	0	0
1983	1	0	0	0	0	0	0	0
1983	2	0	0	0	0	0	0	0
1983	3	0	0	0	0	0	0	0
1983	4	0	0	0	0	0	0	0

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APPENDIX B: MONTHLY IRRIGATION DIVERSIONS IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1983	5	0	752	3676	3105	694	7476	25
1983	6	15850	1223	16437	13858	4686	34982	110
1983	7	16392	831	13797	10692	5769	30258	138
1983	8	15850	1216	13055	15021	3637	31712	68
1983	9	4750	739	5416	3732	1448	10597	0
1983	10	0	28	113	552	0	665	0
1983	11	0	0	0	0	0	0	0
1983	12	0	0	0	0	0	0	0
1984	1	0	0	0	0	0	0	0
1984	2	0	0	0	0	0	0	0
1984	3	0	0	0	0	0	0	0
1984	4	0	0	0	0	0	0	0
1984	5	0	174	3853	4893	673	9418	0
1984	6	15850	1336	17352	13457	2694	33504	0
1984	7	16392	1302	18840	18693	4301	41835	60
1984	8	15850	760	12501	8430	3204	24135	42
1984	9	4750	360	4305	2292	956	7553	0
1984	10	0	60	1353	311	95	1760	0
1984	11	0	0	0	0	0	0	0
1984	12	0	0	0	0	0	0	0
1985	1	0	0	0	0	0	0	0
1985	2	0	0	0	0	0	0	0
1985	3	0	0	0	0	0	0	0
1985	4	0	0	0	0	0	0	0
1985	5	0	868	7424	10212	2734	20370	1900
1985	6	9845	820	14239	22245	7874	44358	4975
1985	7	10025	710	11797	18860	8466	39122	5985
1985	8	10025	958	14789	9307	5777	29873	3660
1985	9	3508	156	1653	962	1020	3635	581
1985	10	0	0	0	0	0	0	0
1985	11	0	0	0	0	0	0	0
1985	12	0	0	0	0	0	0	0
1986	1	0	0	0	0	0	0	0
1986	2	0	0	0	0	0	0	0
1986	3	0	0	0	0	0	0	0
1986	4	0	0	0	0	0	0	0
1986	5	4843	234	4700	6236	2295	13231	27
1986	6	15729	1642	18029	18995	7377	44400	474
1986	7	13416	804	15124	19659	7002	41785	2987
1986	8	11077	716	13211	10942	4885	29038	2291
1986	9	3787	452	2379	1270	1123	4772	0
1986	10	0	0	0	0	0	0	0
1986	11	0	0	0	0	0	0	0
1986	12	0	0	0	0	0	0	0
1987	1	0	0	0	0	0	0	0
1987	2	0	0	0	0	0	0	0

APPENDIX B: MONTHLY IRRIGATION DIVERSIONS
IN ACRE-FEET
(-1 Indicates Missing Data)

YEAR	CLNDR MO.	ABOVE MACKAY RESERVR	SHARP DITCH	MACKAY DAM TO BLAINE DIVRSN	BLAINE DIVRSN TO ARCO DIVRSN	BELOW ARCO DIVRSN	TOTAL DIVRSN BELOW DAM	PUMPAGE INTO RIVER
1987	3	0	0	0	0	0	0	0
1987	4	0	0	0	0	0	0	0
1987	5	12888	276	7079	3488	7902	18469	1299
1987	6	15828	612	11202	4375	12523	28099	2715
1987	7	14688	312	7605	4900	10003	22508	2872
1987	8	8317	746	9755	4726	8680	23161	2057
1987	9	6307	462	4331	1674	4402	10408	1220
1987	10	0	90	1260	480	2472	4212	452
1987	11	0	0	0	0	0	0	0
1987	12	0	0	0	0	0	0	0
1988	1	0	0	0	0	0	0	0
1988	2	0	0	0	0	0	0	0
1988	3	0	0	0	0	0	0	0
1988	4	0	0	0	0	0	0	0
1988	5	1819	242	2726	2867	1504	7097	1347
1988	6	13362	788	9654	13059	5803	28516	3935
1988	7	8833	576	8285	11354	9696	29335	4742
1988	8	3242	562	4603	2875	3916	11394	2489
1988	9	4198	434	1950	1345	1367	4662	1216
1988	10	0	192	589	623	216	1428	242
1988	11	0	0	0	0	0	0	0
1988	12	0	0	0	0	0	0	0
1989	1	0	0	0	0	0	0	0
1989	2	0	0	0	0	0	0	0
1989	3	0	0	0	0	0	0	0
1989	4	0	0	0	0	0	0	0
1989	5	6325	102	2857	3162	1932	7952	1387
1989	6	12271	265	8617	10081	5559	24256	3449
1989	7	11410	386	7674	9940	3474	21088	7486
1989	8	7795	213	4688	4563	2545	11797	3128
1989	9	0	70	879	36	0	915	0
1989	10	0	0	0	0	0	0	0
1989	11	0	0	0	0	0	0	0
1989	12	0	0	0	0	0	0	0
1990	1	0	0	0	0	0	0	0
1990	2	0	0	0	0	0	0	0
1990	3	0	0	0	0	0	0	0
1990	4	0	0	0	0	0	0	0
1990	5	7273	110	1813	2782	484	5079	772
1990	6	15727	176	3184	4387	1107	8678	878
1990	7	14914	966	7970	10944	3361	22274	2632
1990	8	9249	688	5894	7928	3254	17076	2709
1990	9	4906	166	1073	365	665	2103	60
1990	10	0	0	0	0	0	0	0
1990	11	0	0	0	0	0	0	0
1990	12	0	0	0	0	0	0	0

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Parkinson Hearing 11-1-95
(Apply for transfer) (Pete Ampe atty for protestant)
#4573

Tape #	
25 – 226	Applicant
Opening remarks	
230 – ~~###~~ 1664	Testimony – Ralph Parkinson
1669 – 1922	Mr. Ampe (Atty) cross-examine
1923 – 2157	Scott Parkinson – Testimony for application
2176 – 2361	Ralph Parkinson
2363 – 2546	Scott Parkinson
2550 – 2577	Mr Ampe (Atty) Cross examine Ralph Parkinson
2586 – 2667	Mr. Ampe (Atty) redirect
2675 – 2876	Reva Walker (Testimony)
2885 – 2945	" " (Cross examine)
2946 – 3163	" " (Gary Spackman questions)
3176 – 3720	Glen Guthrie (Testimony)
3782 – 3812	" " (Cross examine)
3820 – 3825	" " (Redirect)
3827 – 3995	" " (SPackman's questions)
4012 – 5328	Lawrence Babcock (Testimony)
5342 – 6442	" " (Cross examine)
6445 –	" " (Redirect)
Tape #2	
015 – 351	" " (Spackman question)
353 – 409	" " (Ampe)

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Parkinson Hearing's 11-1-95

416-601 Laurance Babcock (Parkinson)
614-936 Lamar Anderson (testimony)
938-1032 " " (Parkinson questions)
1036-1085 " " (Ampe ")
1086-1100 " " (Parkinson)
1112-1332 Dale Smith (testimony)
1336-1356 " " (Parkinson)
1368-1712 Charles Huggins (testimony)
1718-1780 " " (Parkinson)
1781-1850 Gary's Remarks about missing Protests

Refused Mr. Huggins fee about Protest check #5174
Request Mr Braswells phone # - 527-3380
check # 414
No protest acknowledged - either (Donnie Braswell).
call about hearing & tell her were protestant status
if he feels he has been represented by BLRWMA

1873-1920 Gary Huggins (Parkinson)
1930-2180 Lou Rothwell (Testimony)
2184-2218 " " (Parkinson)
2220-2245 " " (Ampe)
2250-2634 Ray Borack (Tistimony)
2640-2666 " " (Parkinson)
2670-2801 " " (Ampe)
2723-2955 Virgil Hale (Testimony)
2960-2973 " " (Parkinson)

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Parkinson Hearing

Exhibits	Applicant	accepted
# 1		Stipulate
# 2		Stipulate
3		accepted
4		Conditionally rejected
5		accepted

Exhibits	Protestant	accepted
# 1		accepted
# 2		Stipulate
# 3		Stipulate

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Hearing for Parkinson Farms
11/1/95

Add points of diversion for four water rights
Proposes a new well in the SESW Sec. 34
T5N, R26E

New well will be 12 miles north of other wells
Protested by the Big Lost River Waters
Users Association

1. What are the carrying capacities of the canals
2 Agreements -

What is the depletion

Pete Ampe

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Parkinson -

Enlargement - not irrigating any more acreage
conservation - try to - use sprinklers and pivots -
not wasting water -

Purpose - economic reason -
less expensive to drill another well up-valley
less likely to get water there -
- water closer to the surface -
wells at the proposed place
Domb set @ 160 feet - 30 - 80 feet -

In existing wells -
one well water level 212-214 feet -
35 feet depth to water -

Difficulty diverting from all three wells -

Exhibit #4 April 4, 1995 - Minutes regarding -

Exhibit #2 - mitigation & augmentation
will adhere to mitigation

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Exhibit #5 - Jay Jensen -

— Deep well - drilled ~~1976~~ early 1960's —
— Two shallow wells drilled - 1964-1965
1995 - diverted from all the wells
deep well —
— Have to gate valves —

1987-1994 - August couldn't get more water out of it -
Well deepened ~~to~~ 50 feet in 1990 or 1991 -
1990 — on deep well didn't produce in August -

220 foot well got about 130 inches —
how many sprinkler lines it would run —

After 1990 - would produce about 60 inches —

X-Exam by ~~Patterson~~ Ampe -
Two are 90 feet deep - water level is 35 ft.
These produced 35-40 inches apiece -

60
40
40
140 } In 1994

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Parkinson's son (Scott?) Been able to produce significantly less since the drought - Sand from shallow wells

Deepened well - but because of sand had to raise the bowls to their original level.

Shallow wells producing less — Cased all the way & gravel packed the additional 50 feet —

230-240' of casing
~~250 feet was~~ 20 or 30 feet.
gravel pack etc.

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Arnpe presentation of protestant's case -

Reva Walker - Reva W. Walker
resided in Arco all her life
familiar with water use -
1905 - George Waite moved to Arco - (her father?) grandfather
Big Lost Jones Creek - Spring Creek -
Utah Construction built dam
~~her father~~
She has 3 wells - farm well - 130 feet deep
purposely did not tap upper aquifer - ~~was~~
domestic well -
House well is 5-10 feet to water levels - → water level ~~8~~ 10 ft. lower during drought
in 1995 - down to 60 feet during the drought
Where ~~are~~ her wells in relationship to proposed well
pumping affects her wells the most.
Her wells are in ~~Sec~~ Sec. 14, T4N, R26E
Three miles north - is the proposed well.

Glen Guthrie
Well driller for 54 years - lived in ~~Arco~~
for 32 years - drilled in Big Lost for 25 years
How does water vary -
Familiar with wells in the area - drilled
two wells within 1/4 mile of ~~MY~~ proposed well.
Parkinson & Teares wells
Parkinson - 160 feet deep - 3 clay layers
Teare - 180 feet deep - no clay

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Pumping water (5.32 cfs) will have effect on surface water & ground waters

Dale Smith's well - would have an effect on wells south of Dale Smith's - but not north

Drawdown tests - storativity, transmissivity

X Exam
can't perforate for the first 150'

Lawrence Babcock Moore Idaho
Lived in Moore 55 years - folks moved there in 1895
Water rights diverted at the Moore diversion or alternatively at the Nichols diversion
He also has wells for pasture
Place of use is outside boundaries of the irrigation district (Big Lost)
Additional wells have been drilled & water levels have declined.

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What is the East Side Canal -
Would be in excess of ten miles of transporting canal to deliver the water -
Pump into Island Ditch - trib of the East Side Canal

Crossunate report -
gndwtr available for development -

Baker report is Prot. Exh. #2

Ralston report -

Shrink in the Big Lost system - calculated to account from POD to user's headgate -

~~Effect~~ Shrink through 10 miles of canal - How much would it be -?

Calculated individually or cumulatively ~~45~~ in the bank?
45% to 65% shrink
If surface water is diverted into canal - ~~well~~ well water injected would not even reach Parkinson's place of use

Home is 5 miles north of Arco 5 miles south of Moore
Proposed well is ± 3 miles away
Not in the local public interest because of severe declines in gw levels
400, deep wells have had to be redrilled
Had to put on 40' of new column
Increase hp from 25 hp to 40 hp.

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Continued gw pumping will lower aquifer
Will cause harm to him.

Fishing - historical source of water is rising
ground waters - ~~south of~~ 1½ miles below
Moore diversion.

X Exam -
Have been transport agreements outside of
irrigation district -

District could contract to deliver water thru
its system 4-5 different entities receive
water delivered outside the district.

165 inches injected in Island Ditch for Jay Person
" W. Hiard Bell.
Ralph Parkinson well.

Two factors - irrigation methods - not much
water place into aquafer -

GW not as low & stream flows not as low
in 1934 as in 1988 - present
Big Bend flow water in 1934

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East Side Canal is unique - IDWR wants to use it as delivery system -

Larman Anderson - Lives in Moore, Idaho
Owns surface water rights -
Proposed well located about 1½ miles from Anderson Pond -
Anderson's supp. well ~~Sec~~ 8 4N 26E
1½ miles away -
water table has lowered -
one right is decreed water from a spring
cumulative testimony -
For the past 18 years - haven't been able to ~~divert~~ divert 350 inches/year because of declining water levels. -

Talked about his spring?
his spring is upstream ~~of the~~ ¾ mile of the existing pod's

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Dale Smith - Lives in Moore -
Home is 3/4 mile from proposed new well
Supp. irrigation well priority 3/1/61
SW NW Sec. 33 T5N R26E
surface water rights diverted from Moore diversion
had to replace domestic wells -
In 1994, couldn't pump enough to satisfy
level has been declining since 1989

Well drops when other pumps start operating -
30 wells with a one mile radius of
his well - 90% export water elsewhere

Charles Huggins - Arco - dry farms - sarcastically
had to redrill his domestic well -
Lived in BL valley for 35 years.
He's located Present POU 1½ miles west
of his property

Louis Rothwell 75 years in Big Lost Valley
Ranch one mile west of Arco
surface waters rights - yes -
one well application contested
Always raising water between Moore & Arco
Feels his ranch is ruined -
His ranch is 3 miles no. of Parkinson place
Cradle report - written before Creamer's

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Ray Boyack — Moore, Idaho

Farm is straight east of Moore -
½ mile east of proposed POD
Whole east side had shriveled up
1987 river ran - spring creek ran
In 1987 water was significantly lower -
Pumps in Moore area
when wells turn on in the Babcock hole,
his wells go dry
when irr. wells shut off, his wells came back

Virgil Hale - Moore area - was a farmer
house is 1 mile south Moore -
and is located ½ from proposed well
bitter against these pumps
7 pumps within ½ mile
14 pumps within one mile -

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Parkinsons closing statement
Will not divert water from the existing wells

Ampe's closing statements
Applicant carries the burden of proof
Direct effect - (local)

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OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM	USE PERIOD TO	DIVERSION RATE	DIVERSION VOLUME
C	PARKINSON FARMS	04/15/1976	IRRIGATION	05-01	10-15	4.40 CFS	
D	RALPH S PARKINSON						
					TOTAL DIVERSION:	4.40 CFS	

Water Source: BIG LOST RIVER Tributary to: SINKS Stage: LICENSE

Point(s) of Diversion: T04N R26E S26 NWNWNW BUTTE County

Place of use Legal Description for: IRRIGATION

			NE				NW				SW				SE				
			NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	
T	R	S	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	SUM
03N	26E	10													20			37	57.0
03N	26E	11	07		34	37			07	21	40	40	40	40	38	40	40	39	423.0
03N	26E	14													36	37	40	39	153.0
03N	26E	23	39	40	37	36													153.0
																	TOTAL ACRES		786.0

POU County: BUTTE

Other Rights: 34-02497/2505/2506/4008/2289/2490/10393/635/7176/12368

Conditions of Approval:

C05 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO
- IDAHO CODE 42-1416A.

M01 - A MEASURING DEVICE OF A TYPE APPROVED BY IDWR SHALL BE
- MAINTAINED AS A PART OF THE DIVERTING WORKS.

Remarks: WATER IS DELIVERED THROUGH MUNSEY DITCH.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 315 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH OTHER RIGHTS LISTED BELOW IS LIMITED TO IRRIGATION OF A COMBINED TOTAL OF 778 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 34-02289, 34-02490, 34-10393, 34-00635, 34-02497, 34-02505, 34-02506, 34-04008.
USE OF THIS RIGHT WITH RIGHT NO. 34-07176 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 21.62 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3784 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 2212.5 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 885 ACRES IN A SINGLE IRRIGATION SEASON.

Dates: *Exam Made Date:* 09/12/1990 *Verified Date:*

Misc: Water District Number: 34 Field Inspection Flag:
Presumption Flag: C

Comments: Date: 08/23/1991 User-ID: THOMPSON Subject: COPIED FROM REMARKS
THIS WATER RIGHT IS FOR 315 ACRES WITHIN THE TRACTS OF LAND
LISTED IN ITEM 10.

Date: 08/26/1991 User-ID: CARLSEN Subject: COPIED FROM REMARKS
THIS WATER RIGHT IS FOR 315 ACRES WITHIN THE TRACTS OF LAND
LISTED IN ITEM 10.

Date: 05/09/1992 User-ID: AJTEMP Subject: SEE COMMENTS
ADDED "USE OF THIS RIGHT...34-04008." AND DIVERSION VOLUME OF
3784 AF TO REMARKS.
DELETED 1102.5 AFY FROM TABLE.
ADDED CONDITION M01.

Date: 05/28/1992 User-ID: FRITSCHL Subject: AUDIT TRAIL
CLAIM WAS CALLED TO REGION IN ERROR. NO CHANGES WERE MADE TO THE
RECORD.

Date: 03/01/1994 User-ID: FRAZEE Subject: OWNERSHIP CHANGE
OWNERSHIP CHANGE REC'D 1/26/94.

Date: 05/17/1995 User-ID: SSHERMAN Subject: NAME CHANGE
SF3 OWNERSHIP CHANGE, FARM CREDIT BANK OF SPOKANE TO PARKINSON
FARMS.

Date: 05/19/1995 User-ID: SSHERMAN Subject: ADDRESS DATA ENTRY
ADDRESS DATA ENTRY CORRECTION.

Audit: 08/23/91 THOMPSON 08/26/91 CARLSEN 01/08/92 SHAW 01/26/92 PR-PRODM
05/09/92 AJTEMP 05/28/92 FRITSCHL 07/01/92 CPSHAW 12/02/92 ADT-SHAW
03/01/94 FRAZEE 03/29/95 POST-STD 05/17/95 SSHERMAN 05/19/95 SSHERMAN

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM	USE PERIOD TO	DIVERSION RATE	DIVERSION VOLUME
C	PARKINSON FARMS	09/27/1966	IRRIGATION	04-15	10-15	0.57 CFS	
D	RALPH S PARKINSON						
					TOTAL DIVERSION:	0.57 CFS	

Water Source: GROUNDWATER Tributary to: Stage: LICENSE

Point(s) of Diversion: T03N R26E S11 NWNESW NENESE BUTTE County

Place of use Legal Description for: IRRIGATION

			NE				NW				SW				SE				
			NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	
T	R	S	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	SUM
03N	26E	10													20			37	57.0
03N	26E	11	07		34	37			07	21	40	40	40	40	38	40	40	39	423.0
																TOTAL ACRES			480.0

POU County: BUTTE

Other Rights: 34-07145/02505/02506/04008/07176/12368

Conditions of Approval:
C03 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION - PURSUANT TO IDAHO CODE 42-1416A.
C05 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO - IDAHO CODE 42-1416A.

Remarks: TWO POINTS OF DIVERSION LOCATED IN NENESE, S 11, T 3N, R 26E.
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 34-02505, 34-02506 AND 34-04008.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 55 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.32 CFS, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 472 ACRES IN A SINGLE IRRIGATION SEASON.
COMBINED RIGHT NOS.: 34-02505, 34-02506 AND 34-04008. USE OF THIS WITH RIGHT NO. 34-07145 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO IRRIGATION OF A COMBINED TOTAL OR 778 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07176 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 21.62 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3784 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 2212.5 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 885 ACRES IN A SINGLE IRRIGATION SEASON.

Dates: Exam Made Date: 09/12/1990 Verified Date:

Misc: Water District Number: Field Inspection Flag:
Presumption Flag: C

Comments: Date: 08/26/1991 User-ID: CARLSEN Subject: COPIED FROM REMARKS
THIS WATER RIGHT IS FOR 55 ACRES WITHIN THE TRACTS OF LAND
LISTED IN ITEM 10.

Date: 05/06/1992 User-ID: AJTEMP Subject: ADDED LIMITS WITH RIGHT NO. 34-07145

Date: 03/01/1994 User-ID: FRAZEE Subject: OWNERSHIP CHANGE
OWNERSHIP CHANGE REC'D 1/26/94.

Date: 05/17/1995 User-ID: SSHERMAN Subject: NAME AND/OR ADDRESS CHANGE
SF3 OWNERSHIP CHANGE, FARM CREDIT BANK OF SPOKANE TO PARKINSON
FARMS.

Date: 05/19/1995 User-ID: SSHERMAN Subject: ADDRESS DATA ENTRY
ADDRESS DATA ENTRY CORRECTION.

Audit: 08/22/91 THOMPSON 08/26/91 CARLSEN 01/09/92 SHAW 01/26/92 PR-PRODM
05/06/92 AJTEMP 07/01/92 CPSHAW 12/02/92 ADT-SHAW 03/01/94 FRAZEE
03/29/95 POST-STD 05/17/95 SSHERMAN 05/19/95 SSHERMAN

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM	USE PERIOD TO	DIVERSION RATE	DIVERSION VOLUME
C	PARKINSON FARMS	03/03/1967	IRRIGATION	04-15	10-15	1.06 CFS	
D	RALPH S PARKINSON						
					TOTAL DIVERSION:	1.06 CFS	

Water Source: GROUNDWATER Tributary to: Stage: LICENSE

Point(s) of Diversion: T03N R26E S11 NWNESW NENESE BUTTE County

Place of use Legal Description for: IRRIGATION

			NE				NW				SW				SE				
			NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	
T	R	S	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	SUM
03N	26E	10													20			37	57.0
03N	26E	11	07		34	37			07	21	40	40	40	40	38	40	40	39	423.0
																TOTAL ACRES			480.0

POU County: BUTTE

Other Rights: 34-07145/34-02497/34-02506/34-04008/34-07176/34-12368

Conditions of Approval:
C03 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION
- PURSUANT TO IDAHO CODE 42-1416A.
C05 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO
- IDAHO CODE 42-1416A.

Remarks: TWO POINTS OF DIVERSION LOCATED IN NENESE, S 11, T 3N, R 26E.
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 34-02497, 34-02506 AND 34-04008.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 103 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-02497 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.32 CFS, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 472 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07145 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO IRRIGATION OF A COMBINED TOTAL OF 778 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07176 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 21.62 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3784 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 2212.5 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 885 ACRES IN A SINGLE IRRIGATION SEASON.

Dates: Exam Made Date: 09/12/1990 Verified Date:

Misc: Water District Number: Field Inspection Flag:
Presumption Flag: C

Comments: Date: 08/26/1991 User-ID: CARLSEN Subject: COPIED FROM REMARKS
THIS WATER RIGHT IS FOR 103 ACRES WITHIN THE TRACTS OF LAND
LISTED IN ITEM 10.

Date: 05/06/1992 User-ID: AJTEMP Subject: ADDED MORE LIMITS

Date: 03/01/1994 User-ID: FRAZEE Subject: OWNERSHIP CHANGE
OWNERSHIP CHANGE REC'D 1/26/94.

Date: 05/17/1995 User-ID: SSHERMAN Subject: NAME CHANGE
SF3 OWNERSHIP CHANGE, FARM CREDIT BANK OF SPOKANE TO PARKINSON
FARMS.

Date: 05/19/1995 User-ID: SSHERMAN Subject: ADDRESS DATA ENTRY
ADDRESS DATA ENTRY CORRECTION.

Audit: 08/22/91 THOMPSON 08/26/91 CARLSEN 01/09/92 SHAW 01/26/92 PR-PRODM
05/06/92 AJTEMP 07/01/92 CPSHAW 12/02/92 ADT-SHAW 03/01/94 FRAZEE
03/29/95 POST-STD 05/17/95 SSHERMAN 05/19/95 SSHERMAN

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM	USE PERIOD TO	DIVERSION RATE	DIVERSION VOLUME
C	PARKINSON FARMS	03/02/1967	IRRIGATION	04-15	10-15	1.17 CFS	
D	RALPH S PARKINSON						
					TOTAL DIVERSION:	1.17 CFS	

Water Source: GROUNDWATER Tributary to: Stage: LICENSE

Point(s) of Diversion: T03N R26E S11 NWNESW NENESE BUTTE County

Place of use Legal Description for: IRRIGATION

			NE				NW				SW				SE				
T	R	S	NENE Lt Ac	NWNE Lt Ac	SWNE Lt Ac	SENE Lt Ac	NENW Lt Ac	NWNW Lt Ac	SWNW Lt Ac	SENW Lt Ac	NESW Lt Ac	NWSW Lt Ac	SWSW Lt Ac	SESW Lt Ac	NESE Lt Ac	NWSE Lt Ac	SWSE Lt Ac	SESE Lt Ac	SUM
03N	26E	10													20			37	57.0
03N	26E	11	07		34	37		07	21		40	40	40	40	38	40	40	39	423.0
																TOTAL ACRES			480.0

POU County: BUTTE

Other Rights: 34-02497/02505/04008/07176/07145/12368

Conditions of Approval:
C03 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION - PURSUANT TO IDAHO CODE 42-1416A.
C05 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO - IDAHO CODE 42-1416A.

Remarks: TWO POINTS OF DIVERSION LOCATED IN NENESE, S 11, T 3N, R 26E.
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE:34-02497, 34-02505 AND 34-04008.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 114 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-02499 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.32 CFS, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 472 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07145 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO IRRIGATION OF A COMBINED TOTAL OF 778 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07176 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 21.62 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3784 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 2212.5 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 885 ACRES IN A SINGLE IRRIGATION SEASON.

Dates: Exam Made Date: 09/12/1990 Verified Date:

Misc: Water District Number: Field Inspection Flag:
Presumption Flag: C

Comments: Date: 08/26/1991 User-ID: CARLSEN Subject: COPIED FROM REMARKS
THIS WATER RIGHT IS FOR 114 ACRES WITHIN THE TRACTS OF LAND
LISTED IN ITEM 10.

Date: 05/06/1992 User-ID: AJTEMP Subject: ADDED MORE LIMITS

Date: 03/01/1994 User-ID: FRAZEE Subject: OWNERSHIP CHANGE
OWNERSHIP CHANGE REC'D 1/26/94.

Date: 05/17/1995 User-ID: SSHERMAN Subject: NAME CHANGE
SF3 OWNERSHIP CHANGE, FARM CREDIT BANK OF SPOKANE TO PARKINSON
FARMS.

Date: 05/19/1995 User-ID: SSHERMAN Subject: ADDRESS DATA ENTRY
ADDRESS DATA ENTRY CORRECTION.

Audit: 08/22/91 THOMPSON 08/26/91 CARLSEN 01/09/92 SHAW 01/26/92 PR-PRODM
05/06/92 AJTEMP 07/01/92 CPSHAW 12/02/92 ADT-SHAW 03/01/94 FRAZEE
03/29/95 POST-STD 05/17/95 SSHERMAN 05/19/95 SSHERMAN

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM	USE PERIOD TO	DIVERSION RATE	DIVERSION VOLUME
C	PARKINSON FARMS	04/01/1967	IRRIGATION	04-15	10-15	2.60 CFS	
D	RALPH S PARKINSON						
					TOTAL DIVERSION:	2.60 CFS	

Water Source: GROUNDWATER Tributary to: Stage: BENEFICIAL USE

Point(s) of Diversion: T03N R26E S11 NWNESW NENESE BUTTE County

Place of use Legal Description for: IRRIGATION

			NE				NW				SW				SE				
			NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	
T	R	S	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	SUM
03N	26E	10													20			37	57.0
03N	26E	11	07		34	37			07	21	40	40	40	40	38	40	40	39	423.0
																TOTAL ACRES			480.0

POU County: BUTTE

Other Rights: 34-07145/02497/02506/02505/07176/12368

Conditions of Approval:
C03 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION
- PURSUANT TO IDAHO CODE 42-1416A.
C05 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO
- IDAHO CODE 42-1416A.

Remarks: TWO POINTS OF DIVERSION LOCATED IN NENESE, S 11, T 3N, R 26E.
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 34-02497, 34-02505 AND 34-02506.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 200 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-02497 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.32 CFS, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 472 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07140 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 778 ACRES IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07176 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 21.62 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3784 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 2212.5 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 885 ACRES IN A SINGLE IRRIGATION SEASON.

Dates: Exam Made Date: 09/12/1990 Verified Date:

Misc: Water District Number: Field Inspection Flag:
Presumption Flag: C

Comments: Date: 08/23/1991 User-ID: THOMPSON Subject: PRIORITY DATE
DOCUMENTS AND AFFIDAVIT FURNISHED BY CLAIMANT INDICATE DEVELOPMENT STARTED IN 1961 AND CONTINUED UNTIL 1967, WHEN ENTIRE POU WAS OBSERVED BEING IRRIGATED. RECOMMEND CHANGING PRIORITY DATE TO 4-1-1967

Date: 08/26/1991 User-ID: CARLSEN Subject: COPIED FROM REMARKS
THIS WATER RIGHT IS FOR 200 ACRES WITHIN THE TRACTS OF LAND LISTED IN ITEM 10.

Date: 05/06/1992 User-ID: AJTEMP Subject: ADDED MORE LIMITS/CHANGED STAGE FROM S TO J.

Date: 03/01/1994 User-ID: FRAZEE Subject: OWNERSHIP CHANGE
OWNERSHIP CHANGE REC'D 1/26/94.

Date: 05/17/1995 User-ID: SSHERMAN Subject: NAME CHANGE
SF3 OWNERSHIP CHANGE. FARM CREDIT BANK OF SPOKANE TO PARKINSON FARMS.

Date: 05/19/1995 User-ID: SSHERMAN Subject: ADDRESS DATA ENTRY
ADDRESS DATA ENTRY CORRECTION.

Audit: 08/23/91 THOMPSON 08/26/91 CARLSEN 08/27/91 CARLSEN 01/09/92 SHAW
01/26/92 PR-PRODM 05/06/92 AJTEMP 07/01/92 CPSHAW 12/02/92 ADT-SHAW
03/01/94 FRAZEE 03/29/95 POST-STD 05/17/95 SSHERMAN 05/19/95 SSHERMAN

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM	USE PERIOD TO	DIVERSION RATE	DIVERSION VOLUME
C	PARKINSON FARMS	05/29/1977	IRRIGATION	04-15	10-15	7.80 CFS	
D	RALPH S PARKINSON						
					TOTAL DIVERSION:	7.80 CFS	

Water Source: GROUNDWATER Tributary to: Stage: LICENSE

Point(s) of Diversion:	T05N R26E S34	NESWSW	BUTTE County
Point(s) of Injection:	T04N R26E S26	NWNWNW	BUTTE County
Point(s) of Re-diversion:	T04N R26E S26	NWNWNW	BUTTE County

Place of use Legal Description for: IRRIGATION

			NE				NW				SW				SE				
			NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	
T	R	S	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	SUM
03N	26E	10													20			37	57.0
03N	26E	11	07		34	37			07	21	40	40	40	40	38	40	40	39	423.0
03N	26E	14													36	37	40	39	153.0
03N	26E	23	39	40	37	36													153.0
03N	27E	18					01	01-20	02-38	39									99.0
																TOTAL ACRES			885.0

POU County: BUTTE

Other Rights: 34-10393/00635/02313/07145/02490/02289/02497/02505/02506

Conditions of Approval:

C05 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO
- IDAHO CODE 42-1416A.

M04 - A MEASURING DEVICE AND LOCKABLE CONTROLLING WORKS OF A TYPE
- ACCEPTABLE TO IDWR SHALL BE PERMANENTLY INSTALLED AND MAINTAINED
- AS A PART OF THE DIVERTING WORKS.

Remarks: POINT OF INJECTION INTO AND POINT OF REDIVERSION FROM THE BIG LOST RIVER.

WATER IS DELIVERED THROUGH THE EAST SIDE DITCH AND THE MUNSEY DITCH.

THE AMOUNT OF WATER DIVERTED FROM THE BIG LOST RIVER SHALL BE REDUCED WHERE NECESSARY TO PREVENT INJURY TO APPROPRIATORS OF WATER DOWNSTREAM FROM THE POINT OF REDIVERSION.

RIGHT NO. 34-12368 IS AN EXPANSION OF THIS RIGHT PURSUANT TO IDAHO CODE 42-1416(2).

THIS RIGHT IS LIMITED TO THE IRRIGATION OF 405 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.

USE OF THIS RIGHT WITH RIGHT NO. 34-12368 IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 7.80 CFS.

USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 21.62 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3784 AF, A TOTAL COMBINED ANNUAL

Remarks: CONSUMPTIVE USE VOLUME OF 2212.5 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 885 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.:34-02497, 34-02505, 34-02506, 34-04008, 34-02289, 34-02490, 34-10393, 34-00635, 34-07145, 34-02313, 34-12368.

Dates: Exam Made Date: 09/12/1990 Verified Date:

Misc: Water District Number: 34 Field Inspection Flag:
Presumption Flag: C

Comments: Date: 08/19/1991 User-ID: CARLSEN Subject: COPIED FROM REMARKS
THIS WATER RIGHT IS FOR 440 ACRES WITHIN THE TRACTS OF LAND LISTED IN ITEM 10.

Date: 10/09/1991 User-ID: CARLSEN Subject: CHANGES
DELETED CONDITION CODES 001 AND 016.

Date: 05/06/1992 User-ID: AJTEMP Subject: ADDED REDUCTION OF DIVERSION/DIVERSION VOLUME

Date: 05/06/1992 User-ID: AJTEMP Subject: ADDED CONDITION M04

Date: 03/01/1994 User-ID: FRAZEE Subject: OWNERSHIP CHANGE
OWNERSHIP CHANGE REC'D 1/26/94.

Date: 05/17/1995 User-ID: SSHERMAN Subject: NAME AND/OR ADDRESS CHANGE
SF3 OWNERSHIP CHANGE, FARM CREDIT BANK OF SPOKANE TO PARKINSON FARMS.

Date: 05/19/1995 User-ID: SSHERMAN Subject: ADDRESS DATA ENTRY
ADDRESS DATA ENTRY CORRECTION.

Date: 05/25/1995 User-ID: SSHERMAN Subject: DATA ENTRY ERROR CORRECTION
AT OWNERSHIP CHANGE MADE THETA DIRECTOR'S REPORT OWNER IN ERROR.
DELETED THAT THETA PARKINSON AS "D" OWNER TODAY.

Audit: 08/19/91 CARLSEN 08/22/91 THOMPSON 08/26/91 CARLSEN 10/09/91 CARLSEN
12/10/91 CARLSEN 01/10/92 SHAW 01/26/92 PR-PRODM 05/06/92 AJTEMP
07/01/92 CPSHAW 12/02/92 ADT-SHAW 04/15/93 CM2-SMIT 07/26/93 UPD-SCHU
03/01/94 FRAZEE 03/29/95 POST-STD 05/17/95 SSHERMAN 05/19/95 SSHERMAN
05/25/95 SSHERMAN

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM	USE PERIOD TO	DIVERSION RATE	DIVERSION VOLUME
C	PARKINSON FARMS	03/25/1970	DOMESTIC	01-01	12-31	0.06 CFS	
D	RALPH S PARKINSON						
					TOTAL DIVERSION:	0.06 CFS	

Water Source: GROUNDWATER Tributary to: Stage: BENEFICIAL USE

Point(s) of Diversion: T03N R26E S11 SESENE BUTTE County

Place of use Legal Description for: DOMESTIC

			NE				NW				SW				SE			
			NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
T	R	S	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac
03N	26E	11				D												

POU County: BUTTE

Non-Irrigation Uses: DOMESTIC 1 HOME & 2 POTATO CELLARS

Other Rights: NONE

Remarks: PARCEL NO. RP03N26E110550

Dates: Exam Made Date: Verified Date:

Misc: Water District Number: Field Inspection Flag:
Presumption Flag:

Comments: Date: 03/01/1994 User-ID: FRAZEE Subject: OWNERSHIP CHANGE
OWNERSHIP CHANGE REC'D 1/26/94.

Date: 05/19/1995 User-ID: SSHERMAN Subject: OWNERSHIP CHANGE
SF3 OWNERSHIP CHANGE, FARM CREDIT BANK OF SPOKANE TO PARKINSON FARMS.

Audit: 05/15/91 CORLESS 07/01/92 CPSHAW 12/02/92 ADT-SHAW 03/01/94 FRAZEE
03/29/95 POST-STD 05/19/95 SSHERMAN

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM	USE PERIOD TO	DIVERSION RATE	DIVERSION VOLUME
C	IRENE COLLINS HOUSE	12/31/1961	STOCKWATER	01-01	12-31	0.02 CFS	
			DOMESTIC	01-01	12-31	0.04 CFS	
					TOTAL DIVERSION:	0.04 CFS	

Water Source: GROUNDWATER Tributary to: Stage: BENEFICIAL USE

Point(s) of Diversion: T03N R26E S11 NENE BUTTE County

Place of use Legal Description for: STOCKWATER

			NE				NW				SW				SE			
			NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
T	R	S	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac
03N	26E	11	S															

Place of use Legal Description for: DOMESTIC

			NE				NW				SW				SE			
			NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
T	R	S	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac
03N	26E	11	D															

POU County: BUTTE

Non-Irrigation Uses: DOMESTIC 1 HOME, STOCKWATER 6 HORSES

Other Rights: NONE

Remarks: PARCEL NO. RP03N26E110002

Dates: Exam Made Date: Verified Date:

Misc: Water District Number: Field Inspection Flag:
Presumption Flag:

Audit: 05/17/91 CORLESS 07/01/92 CPSHAW 12/02/92 ADT-SHAW 03/29/95 POST-STD

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM	USE PERIOD TO	DIVERSION RATE	DIVERSION VOLUME
C	PARKINSON FARMS	08/01/1985	IRRIGATION	04-15	10-15	3.75 CFS	
O	RALPH S PARKINSON						
					TOTAL DIVERSION:	3.75 CFS	

Water Source: GROUNDWATER Tributary to: Stage: BENEFICIAL USE

Point(s) of Diversion:	T05N R26E S34	NESWSW	BUTTE County
Point(s) of Injection:	T04N R26E S26	NWNWNW	BUTTE County
Point(s) of Re-diversion:	T04N R26E S26	NWNWNW	BUTTE County

Place of use Legal Description for: IRRIGATION

			NE				NW				SW				SE				
			NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	
T	R	S	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	SUM
03N	26E	10													20			37	57.0
03N	26E	11	07		34	37			07	21	40	40	40	40	38	40	40	39	423.0
03N	26E	14													36	37	40	39	153.0
03N	26E	23	39	40	37	36													153.0
03N	27E	18					01	01-20	02-38	39									99.0
																	TOTAL ACRES		885.0

POU County: BUTTE

Other Rights: 34-02497/2505/2506/4008/7145/2289/2490/10393/635/2313/7176

Conditions of Approval:
C05 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO
- IDAHO CODE 42-1416A.

Remarks: POINT OF INJECTION INTO AND POINT OF REDIVERSION FROM THE BIG LOST RIVER.
THE AMOUNT OF WATER DIVERTED FORM THE BIG LOST RIVER SHALL BE REDUCED WHERE NECESSARY TO PREVENT INJURY TO APPROPRIATORS DOWNSTREAM FROM THE POINT OF DIVERSION.
WATER IS DELIVERED THROUGH EAST SIDE CANAL AND MUNSEY DITCH.
THIS RIGHT IS AN EXPANSION OF RIGHT NO. 34-07176 PURSUANT TO IDAHO CODE 42-1416(2).
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 375 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 34-07176 IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 7.80 CFS.
USE OF THIS RIGHT WITH RIGHT NO. 34-07176 AND OTHER RIGHTS LISTED THEREIN IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 21.62 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 3784 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 2212.5 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 885 ACRES IN A SINGLE IRRIGATION SEASON.

Dates: Exam Made Date: 08/16/1991 Verified Date:

Misc: Water District Number: 34 Field Inspection Flag:
Presumption Flag: E

Comments: Date: 08/22/1991 User-ID: THOMPSON Subject: COPIED FROM REMARKS
THIS NOTICE IS BASED ON AN EXPANSION OF PERMIT 34-07176 PURSUANT TO IDAHO CODE 42-1416(2). USE OF THIS RIGHT WITH 34-07176 IS LIMITED TO A COMBINED DIVERSION RATE OF 7.80 CFS

Date: 05/06/1992 User-ID: AJTEMP Subject: ADDED REDUCTION OF DIVERSION

Date: 05/06/1992 User-ID: AJTEMP Subject: ADDED DIVERSION VOLUME

Date: 05/10/1992 User-ID: THORNTON Subject: CHANGE IN RECOMMENDATION
CHANGE IN REMARKS PER LYNN KROGH-HAMPE.

Date: 05/22/1992 User-ID: KEEN Subject: CHANGED DIVERSION RATE FROM 4.22 CFS TO 3.75 CFS.

Date: 03/01/1994 User-ID: FRAZEE Subject: OWNERSHIP CHANGE
OWNERSHIP CHANGE REC'D 1/26/94.

Date: 05/17/1995 User-ID: SSHERMAN Subject: NAME CHANGE
SF3 OWNERSHIP CHANGE, FARM CREDIT BANK OF SPOKANE TO PARKINSON FARMS.

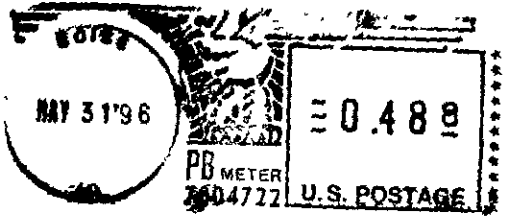
Date: 05/19/1995 User-ID: SSHERMAN Subject: ADDRESS DATA ENTRY
ADDRESS DATA ENTRY CORRECTION.

Audit: 08/22/91 THOMPSON 08/26/91 CARLSEN 01/10/92 SHAW 01/26/92 PR-PRODM
05/06/92 AJTEMP 05/10/92 THORNTON 05/22/92 KEEN 07/01/92 CPSHAW
12/02/92 ADT-SHAW 04/19/93 CM2-KELL 07/26/93 UPD-SCHU 03/01/94 FRAZEE
03/29/95 POST-STD 05/17/95 SSHERMAN 05/19/95 SSHERMAN

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
North Orchard Street, P.O. Box 83720
Boise, Idaho 83720-0098

RECEIVED
JUN 07 1996
Department of Water Resources





ATTEMPTED
UNKNOWN

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NOV 29 1996

WNC2 NC1 NC4

PETE AMPE
ATTORNEY AT LAW
249 3 AVE W
TWIN FALLS ID 83303

**83016021

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000
Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

May 31, 1996

RE: In the Matter of Application for Transfer No. 4573 of Water Right Nos. 34-02497, 34-02506, 34-02505 and 34-04008 in the name of Parkinson Farms

Dear Interested Party:

The accompanying order is a "final order" issued by the department pursuant to section 67-5246 or 67-5247, Idaho Code.

Section 67-5246 provides as follows:

(1) If the presiding officer is the agency head, the presiding officer shall issue a final order.

(2) If the presiding officer issued a recommended order, the agency head shall issue a final order following review of that recommended order.

(3) If the presiding officer issued a preliminary order, that order becomes a final order unless it is reviewed as required in section 67-5245, Idaho Code. If the preliminary order is reviewed, the agency head shall issue a final order.

(4) Unless otherwise provided by statute or rule, any party may file a petition for reconsideration of any order issued by the agency head within fourteen (14) days of the issuance of that order. The agency head shall issue a written order disposing of the petition. The petition is deemed denied if the agency head does not dispose of it within twenty-one (21) days after the filing of the petition.

(5) Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed apetition for reconsideration with the agency head, the final order becomes effective when:

(a) the petition for reconsideration is disposed of; or

(b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

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(6) A party may not be required to comply with a final order unless the party has been served with or has actual knowledge of the order. If the order is mailed to the last known address of a party, the service is deemed to be sufficient.

(7) A non-party shall not be required to comply with a final order unless the agency has made the order available for public inspection or the nonparty has actual knowledge of the order.

(8) The provisions of this section do not preclude an agency from taking immediate action to protect the public interest in accordance with the provisions of section 67-5247, Idaho Code.

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a final order within fourteen (14) days of the service date of this order. The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See section 67-5246(4) Idaho Code.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, any party aggrieved by a final order or orders previously issued in a matter before the department may appeal the final order and all previously issued orders in the matter to district court by filing a petition in the district court of the county in which:

i. A hearing was held,
ii. The final agency action was taken,
iii. The party seeking review of the order resides, or
iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days a) of the service date of the final order, b) of an order denying petition for reconsideration, or c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration, whichever is later. See section 67-5273, Idaho Code. The filing of an appeal to district court does not in itself stay the effectiveness or enforcement of the order under appeal.

Sincerely,

L. Glen Saxton

L. GLEN SAXTON
Chief, Water Allocation Bureau

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NOV 2 9 1996

INTER-DEPARTMENT MEMO

TO: GARY SPACKMAN SUBJECT: LESTER BRASWELL

FROM: H.W. JONES DATE: 12-06-95

I called Mr. Braswell today. He has received the refund check for $25. It was sent to his address in the name of Dennis Braswell. Lester stated he was against any additional well in the area described in the Parkinson transfer application & felt that Laurence Babcock's testimony represented his views. He declined the opportunity for separate testimony.

(X) For your information

( ) Response required

H.W. Jones
signature

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ one

To GARY SPACKMAN	From A.W. JONES
Co. Boise IDWR	Co.
Dept.	Phone # 525-7161
Fax # 327-7866	Fax #

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NOV 29 1996

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000
Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

December 13, 1995

RE: In the matter of Application for Transfer No. 4573 (Water Right Nos. 34-02497, 34-02506, 34-02505, and 34-04008) in the name of Parkinson Farms

Dear Interested Party:

The accompanying order is a **"recommended order"** issued by the department pursuant to Section 67-5243, Idaho Code. The provisions of this order will not become effective until the Director issues a final order in this matter.

Each party to these proceedings who appeared at the hearing may file a petition for reconsideration, briefs and exceptions to the recommended order and may request oral argument before the Director of the department as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a recommended order with the hearing officer issuing the order within fourteen (14) days of the service date of the order. The hearing officer will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3), Idaho Code.

EXCEPTIONS AND BRIEFS

Within twenty-one (21) days after (a) the service date of this recommended order, (b) the service date of a denial of a petition for reconsideration form this recommended order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this recommended order, any party may in writing support or take exceptions to any part of a recommended order and may file briefs in support of the party's position on any issue in the proceeding. Written briefs in support of or taking exceptions to the recommended order shall be filed with the Director. Opposing parties shall have twenty-one (21) days to respond.

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ORAL ARGUMENT

The Director may schedule oral argument in the matter before issuing a final order. Oral argument on exceptions to a recommended order shall be heard at the discretion of the Director. If oral arguments are to be heard, the Director will, within a reasonable time, notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the recommended order shall be served on all other parties to these proceedings in accordance with Rules of Procedure 302 and 303.

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The agency may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

APPEAL OF FINAL ORDER TO DISTRICT COURT

A party aggrieved by a final order of the Director is entitled to judicial review in compliance with Sections 67-5271 through 67-5279, Idaho Code.

Sincerely,

L. Glen Saxton

L. Glen Saxton
Chief, Water Allocation Bureau

Enclosure

cc: IDWR - Region

MICROFILMED
NOV 29 1996

HEARING CONFERENCE
FOR
PARKINSON FARMS, C/O RALPH S. PARKINSON

10:00 A.M.
NOVEMBER 1, 1995
900 N. SKYLINE DR.
IDAHO FALLS, ID

NAME	REPRESENTING	ADDRESS
Clyde Loveland		Box 106 Moore Ida 83255
Laymon Anderson		Rt 1 Box 52 Moore, Id 83255
Laverna Babcock	Pipeline Water Users	Box 66 Moore 83255
G T Hathorne	Box 319	Arco (554-2372) PHONE
Dale Smith		Rt #1 Box 22 Moore Id. 83255
Lew Rothwell	self	Rt. 1 Box 550 Arco, Id 83213
Ray Jr. Boyack	self	3085 King Mtn. Rd. Moore, Id. 83255
Charles Huggins	"self"	Rt I Box 216 Arco, Id 83213
Albert Babcock	Self	RT #1 Box 76 Moore 83255
Virgil J Hall	Self	Box 454 Moore 83255
Kerra N. Walker	self	Box 32 Arco, Id 83213
Peter Hope	BLRWUA	PO Box 66 T.F. Id 83203
Ralph S. Parkinson	Self	R.T. Box 228 Arco, Idaho 83213
Scot Parkinson	self	2195 N. 3000 W, Arco, ID 83213

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NOV 29 1996

Form 222a
6/78

[redacted]

3-20-95
3-21-95 - HCT

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
TRANSFER ANALYSIS SHEET

INITIAL REVIEW BY: AWS

1. Right number 34-2497, -2506, -2505, -4008 Applicant Parkinson Farms
2. T[redacted] ☐ Decree ☐ License ☐ Claim [redacted]
3. Purpose of transfer: ☐ Change point of diversion ☒ [redacted] ☐ Change place of use
   ☐ Other _____
4. Check:
   a. ☑ Source ☐ Priority ☐ Amount ☐ Purpose ☐ Period of use
   b. ☑ Description of original point of diversion.
   c. ☑ Description of original place of use.
5. Amount of land &/or water transferred:
   a. ☐ All of right.
   b. ☐ Part of right *(NOTE! Part B should be filled in only if part of the right is owned by the applicant).*
   c. ☑ Check description of point(s) of diversion.
   d. ☑ Check description of place of use. Is place of use changing?
   e. ☑ Check map (shows p.d. and p.u. after transfer).
   f. ☐ Check for correct signature, notarization, and fee.
   g. ☑ Check proof of ownership of right &/or land from which water is transferred.
   h. ☑ Check for expansion in use of right. Comments _____

   Film exhibits pkg. here

   i. ☐ Check for existing water rights from same source, on land water is being transferred to.
      Right number(s) NA
   j. ☑ Is use within a Watermaster District? ☑ Yes ☐ No Send copy to By Lost Irrig. District c/o Don Skerr, also.
      If yes, what district? WD#34 Need Carrying Agreement From By Lost River Irrig. District

FINAL PROCESSING REVIEW BY: _____

1. Watermaster recommendation requested on 3-28-95 Received on _____
2. Is transfer published correctly? ☑ Yes ☐ No NOP 4-24-95
3. Protest received? ☑ Yes ☐ No

RECOMMENDED ACTION

1. ☐ Approve
2. ☐ Deny
3. Conditions* _____

   Denied by Final Order dated 5-30-96. Database Updated 11-22-96 CB
4. By _____ Date _____

AD S.O. 3-27-95
Copy App S.O. 4-27-95

** All uses within Watermaster Districts require special conditions.*

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services
- Complete items 3, 4a & b
- *Print your name and address on the reverse* of this form so that we can return this card to you
- Attach this form to the front of the mailpiece, or on the back if space *does not permit*
- Write "Return Receipt Requested" on the mailpiece below the article number
- The Return Receipt will show to whom the article was delivered and the date *delivered*

I also wish to receive the following services (for an extra fee)

1 ☐ Addressee's Address

2 ☐ Restricted Delivery

Consult postmaster for fee

3 Article Addressed to

RALPH S. PARKINSON
PARKINSON FARMS
RT 1 BOX 228
ARCO ID 83213

4a Article Number

1305

4b. Service Type

☐ Registered ☐ Insured

☒ Certified ☐ COD

☐ Express Mail ☐ Return Receipt for *Merchandise*

7 Date of Delivery

12-12-95

5 Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form **3811**, December 1991 ☆ USGPO 1992-307-530 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

U[illegible]D STATES POSTAL SERVICE

Official Business

PENALTY FOR PRIVATE
USE TO AVOID PAYMENT
OF POSTAGE, $300

U.S. MAIL

RECEIVED

SEP 13 1995

Print your name, address and ZIP Code here

Department of Water Resources
Eastern District Office

DEPARTMENT OF WATER RESOURCES
EASTERN DISTRICT OFFICE
900 N. SKYLINE DR.
IDAHO FALLS IDAHO 83402

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services
- Complete items 3, 4a & b
- Print your name and address on the reverse of this form so that we can return this card to you
- Attach this form to the front of the mailpiece, or on the back if space does not permit
- Write "Return Receipt Requested" on the mailpiece below the article number
- The Return Receipt will show to whom the article was delivered and the date delivered

I also wish to receive the following services (for an extra fee):

1 ☐ *Addressee's Address*

2. ☐ Restricted Delivery

Consult postmaster for fee

3 Article Addressed to.

LAWRENCE R BABCOCK
BIG LOST RIVER WATER USERS
BOX 66
MOORE ID 83255

4a. Article Number

P 306

4b Service Type

☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

9-14-95

5. Signature (Addressee)

Camille Babcock

8 *Addressee's Address (Only if requested and fee is paid)*

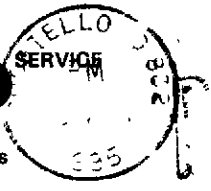
6. Signature (Agent)

PS Form **3811**, December 1991 ☆ USGPO 1992-307-530 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE

Official Business





PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300



SEP 20 1985

Department of Water Resources
Eastern District Office

MICROFILMED

Print your name, address and ZIP Code here

DEPARTMENT OF WATER RESOURCES
EASTERN DISTRICT OFFICE
900 N. SKYLINE
IDAHO FALLS, IDAHO 83402

Is your RETURN ADDRESS completed on the reverse side?

S[illegible]ER:

- [illegible]plete items 1 [illegible]r 2 for additional services
- Complete items 3 [illegible]4a & b
- Print your name and address on the reverse of this form so that we can return this card to you
- Attach this form to the front of the mailpiece, or on the back if space does not permit
- Write "Return Receipt Requested" on the mailpiece below the article number
- The Return Receipt will show to whom the article was delivered and the date delivered

1 a[illegible] wish to receive the follow[illegible] services (for an extra fee):

1 ☐ Addressee's Address

2. ☐ Restricted Delivery

Consult postmaster for fee

3 Article Addressed to:

CARL B JORGENSON
1699 LLOYD RD
BANCROFT ID 83217

4a Article Number

1397

4b Service Type

☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7 Date of Delivery

9-9-95

5. Signature (Addressee)

Pat Jorgenson

8 Addressee's Address (Only if requested and fee is paid)

6. [illegible]nature (Agent)

Madelin Mabey

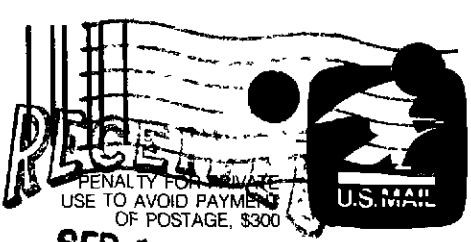
Thank you for using Return Receipt Service.

PS Form **3811**, December 1991 ☆ USGPO 1992-307-530 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

Official Business





PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300

SEP 11 1995

Department of Water Resources
Eastern District Office

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NOV 14 1995

Print your name, address and ZIP Code here

DEPARTMENT OF WATER RESOURCES
EASTERN DISTRICT OFFICE
900 N. SKYLINE
IDAHO FALLS, IDAHO 83402

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 [illegible]r 2 for additional services
- Complete items 3 [illegible] 4a & b
- Print your name and address on the reverse of this form so that we can return this card to you
- Attach this form to the front of the mailpiece, or on the back if space does not permit
- Write "Return Receipt Requested" on the mailpiece below the article number
- The Return Receipt will show to whom the article was delivered and the date delivered

1 a[illegible] wish to receive [illegible] following [illegible] services (for an [illegible] fee):

1 ☐ Addressee's Address

2. ☐ Restricted Delivery

Consult postmaster for fee

3. Article Addressed to:

DAVID LLOYD
LLOYD FARMS
1915 LUND RD
BANCROFT ID 83217

4a Article Number

1309

4b. Service Type

☐ Registered ☐ Insured
XX Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

[illegible]ate of Delivery

9-11-95

5. Signature (Addressee)

X [illegible]

[illegible] Addressee's Address (Only if requested [illegible]nd fee is paid)

6. Signature (Agent)

Janet B. Johnson

BANCROFT ID SEP 11 1995 USPS

PS Form **3811**, December 1991 ☆ USGPO . 1992-307-530 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE

Official Business

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300

U.S. MAIL

RECEIVED

SEP 13 1995

Department of Water Resources
Eastern District Office

MICROFILMED

NOV 10 1995

Print your name, address and ZIP Code here

DEPARTMENT OF WATER RESOURCES
EASTERN DISTRICT OFFICE
900 N. SKYLINE DR.
IDAHO FALLS, IDAHO 83402

SENDER:

- Complete items 1 and/or 2 for additional services
- Complete items 3 and 4a & b
- Print your name and address on the reverse of this form so that we can return this card to you
- Attach this form to the front of the mailpiece, or on the back if space does not permit
- Write "Return Receipt Requested" on the mailpiece below the article number
- The Return Receipt will show to whom the article was delivered and the date delivered

I also wish to receive the following services (for an extra fee):

1 ☐ Addressee's Address

2 ☐ Restricted Delivery

Consult postmaster for fee

3 Article Addressed to

WARREN P OR JENNIE G LLOYD
BANCROFT ID 83217

4a Article Number

1308

4b. Service Type

☐ Registered ☐ Insured
XX Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

x 9-9-95

5. Signature (Addressee)

x Jennie Lloyd

8 Addressee's Address (Only if requested and fee is paid)

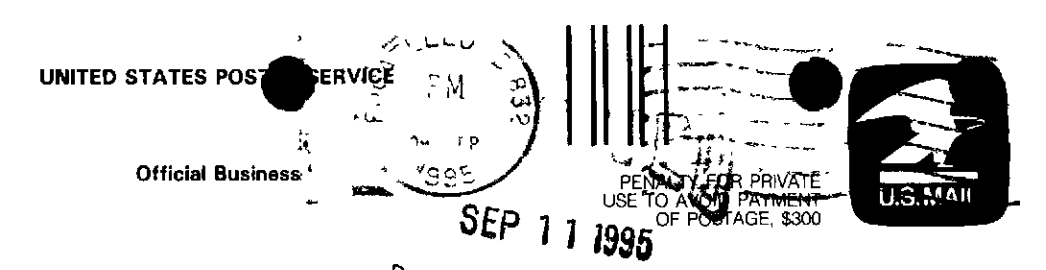
6. Signature (Agent)

x Madaline Mallory

PS Form **3811**, December 1991 ☆ USGPO 1992-307-530 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

s your RETURN ADDRESS completed on the reverse side?



Print your name, address and ZIP Code here

MICROFILMED

NOV 29 1995

DEPARTMENT OF WATER RESOURCES
EASTERN DISTRICT OFFICE
900 N. SKYLINE DR.
IDAHO FALLS, IDAHO 83402

AND ESS NDER

Indicate type of mail
☐ Registered ☐ Return Receipt
☐ Insured For Merchandise
☐ COD
☑ Certified ☐ Express Mail

Check appropriate block for Registered Mail:
☐ With Postal Insurance
☐ Without Postal Insurance

Affix stamp here if issued as certificate of mailing or for additional copies of this bill.

POSTMARK AND DATE OF RECEIPT

Number of Article	Name of Addressee, Street, and Post-Office Address	Postage	Fee	Handling Charge	Act. Value (If Regis.)	Insured Value	Due Sender If C.O.D.	R. R. Fee	S. D. Fee	S. H. Fee	Rest. Del. Fee / Remarks
1305	Ralph S Parkinson Parkinson-Farms Rt 1 Box 228 Grace Id 83213	.32	1.10					1.10			Notice of Hearing Parkinson 4573
1306	Lawrence R. Babcock Big Post water users Box 66 Moore Id 83255										
1307	Carl B. Jorgenson 1699 Lloyd Rd Bancroft Id 83217										Notice of Hearing Jorgenson 4560
1308	Warren & Jennie Lloyd Bancroft Id 83217										
1309	David Lloyd Lloyd-Farms 1915 Sand Rd Bancroft Id 83217										
				$12.60							

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FORM MUST BE COMPLETED BY TYPEWRITER, INK OR BALL POINT PEN

☆U.S. GOVERNMENT PRINTING OFFICE 1990-255-306

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR TRANSFER NO. 4573 IN THE NAME OF PARKINSON FARMS	)))	NOTICE OF HEARING

On March 17, 1995, Ralph S. Parkinson, of Parkinson Farms filed with the Department of Water Resources application for transfer No. 4573. On April 24 1995, the application was protested by Lawrence R. Babcock in behalf of the Big Lost River Water Users Association.

The Department has now scheduled the matter for hearing on November 1, 1995, at 10:00 a.m., in the conference room at the Idaho Falls office, 900 N. Skyline. The hearing will be held in accordance with the provisions of the adopted Rules of Procedure of the Department of Water Resources.

If you plan to offer exhibits for the record, note that IDAPA Rule of Procedure 37.01.01606 requires that you provide a copy of exhibits to each party and to the presiding officer.

The hearing will be conducted in a facility which meets the accessibility requirements of the Americans with Disabilities Act. If you require special accommodations in order to attend, participate in or understand the hearing, please advise the Department within ten (10) days prior to the hearing.

Dated this 7th day of September, 1995.

RONALD D. CARLSON
Regional Manager

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I hereby certify that on the 8th day of September, 1995, I mailed a true and correct copy, postage prepaid, of this document to the applicants (s) and protestant (s) listed below:

Rita Bodell

RITA BODELL
Secretary

Certified

RALPH S. PARKINSON
PARKINSON FARMS
RT 1 BOX 228
ARCO, ID 83213

LAWRENCE R. BABCOCK, CHAIRMAN
BIG LOST RIVER WATER USERS ASSOCIATION
BOX 66
MOORE, ID 83255

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Parkinson Farms Conf.

Transf 4573

(Lawrence Babcock - Moore)
527 - 5335

Applicant Statement

3 wells - mostly 90' deep, one ~~same~~ 280' west well.

Farm was lost + then recovered by applicants.
Surface water is a 1977 priority + they depend on wells.

Neighbors have drilled additional + water is at 500' which would prove very costly to pump.

1/ Applicant states that no additional acres will be irrigated
2/ Big Lost will approve transport if IDWR approves transfer.
3/ Several wells in the new pod area (approx 8 wells in 2 mile area) dump into Eastside ditch system
4/ Original wells in 1960's pumped as much as today.
5/ Applicant has another well # in the same area for different ground.
6/ two shallow wells produce about 60" here from 90' deep. Deep well (280') is pumping about 50"

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Protestants statement

1/ Quotes a "Dept" study of reduction of groundwater ~~supplies~~ supply by additional well.

2/ Says ground is porous gravel in pd area

3/ General groundwater level has been 20' but since the drought the level looks like about 80'-100'

4/ States that Eastside canal was only supposed to deliver to Lands in Irrig. District. Appls. is outside of Irrig. District

5/ States that Irrig. District does not change loss (shrink) for Eastside delivery transportation

6/ Groundwater levels in the area has not necessarily shown an increase

Options

Potential Hearing -

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NOV 2 9 1996

PREHEARING CONFERENCE
FOR
PARKINSON FARMS, C/O RALPH S. PARKINSON

1:00 P.M.
JULY 11, 1995
MASONIC TEMPLE, 260 W. GRAND
ARCO, ID

NAME	REPRESENTING	ADDRESS
Ralph S. Parkinson	Self	RT. I Box 228 Arco Id.
Scot Parkinson	applicant	2195 N. 3000 W., Arco 83213
Laurence Babcock	protestant for Big Lost Water Users Assoc.	Box 66 Moore.

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BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR TRANSFER NO. 4573 IN THE NAME OF PARKINSON FARMS	NOTICE OF PREHEARING CONFERENCE

On March 17, 1995, Ralph S. Parkinson of Parkinson Farms filed with the Department of Water Resources application for transfer of water rights No. 4573. On April 24, 1995, the application was protested by Lawrence R. Babcock in behalf of the Big Lost River Water Users Association.

The Department has scheduled the matter for a prehearing conference at 1:00 p.m. on July 11, 1995, in the Magistrate Courtroom located in the Masonic Temple, 260 W. Grand, Arco, ID, in accordance with the provisions of the adopted Rules of Procedure of the Department of Water Resources.

Agenda items for this prehearing conference will include:

1. Identify spokesman and/or counsel representing the protestant.
2. Review of the application.
3. Identify issues of protest.
4. Designate date for identifying witnesses.
5. Designate target date for conducting administrative hearing if resolution is not possible during the prehearing conference.

The hearing will be conducted in a facility which meets the

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NOV 29 1996

accessibility requirements of the Americans with Disabilities Act. If you require special accommodations in order to attend, participate in or understand the conference, please advise the Department within ten (10) days prior to the conference.

Dated this 15th day of June, 1995.

RONALD D. CARLSON
Regional Manager

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NOV 29 1996

I hereby certify that on the 15th day of June, 1995, I mailed a true and correct copy, postage prepaid, of this document to the applicants (s) and protestant (s) listed below:

Rita Bodell

RITA BODELL
Secretary

Certified

RALPH S. PARKINSON
PARKINSON FARMS
RT 1 BOX 228
ARCO, ID 83213

LAWRENCE R. BABCOCK, CHAIRMAN
BIG LOST RIVER WATER USERS ASSOCIATION
BOX 66
MOORE, ID 83255

NOTICE OF PREHEARING CONFERENCE

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Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services
- Complete items 3, and 4a & b
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- Write "Return Receipt Requested" on the mailpiece below the article number
- The Return Receipt will show to whom the article was delivered and the date delivered

I also wish to receive the following services (for an extra fee)

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee

3 Article Addressed to:

Jamie & Deborah Babcock
Big Lost River Water Users
Box 66
Moore Id 83255

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4a Article Number

P 300

4b. Service Type

☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

6-24-95

5 Signature (Addressee)

Camille Babcock

6 Signature (Agent)

Linda A Scantlin

8. Addressee's Address (Only if requested and fee is paid)

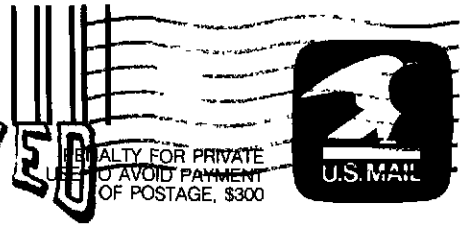
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Official Business





JUN 26 1995

Department of Water Resources
Eastern District Office
Print your name, address and ZIP Code here

DEPARTMENT OF WATER RESOURCES
EASTERN DISTRICT OFFICE
900 N. SKYLINE DR.
IDAHO FALLS, IDAHO 83402

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NOV 29 1995

Is your RETURN ADDRESS completed on the reverse side?

SE[redacted]ER:

- [redacted]ete items 1 and/or 2 for additional services
- Complete items 3, and 4a & b
- Print your name and address on the reverse of this form so that we can return this card to you
- Attach this form to the front of the mailpiece, or on the back if space does not permit
- Write "Return Receipt Requested" on the mailpiece below the article number
- The Return Receipt will show to whom the article was delivered and the date delivered

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee

3 Article Addressed to:

Ralph S. Parkinson
Parkinson Farms
Rt 1 Box 228
Rigby ID 83213

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4a. Article Number

P 299

4b Service Type

- ☐ Registered
- ☐ Insured
- ☒ Certified
- ☐ COD
- ☐ Express Mail
- ☐ Return Receipt for Merchandise

7 Date of Delivery

JUN 16 1995

5. Signature (Addressee)

Ralph S. Parkinson

6. [redacted]nature (Agent)

8 Addressee's Address (Only if requested and fee is paid)

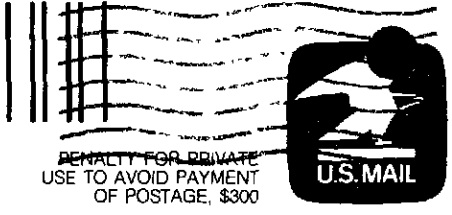
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Water Resources
Eastern District Office

Print your name, address and ZIP Code here

DEPARTMENT OF WATER RESOURCES
EASTERN REGION OFFICE
900 N. SKYLINE DR.
IDAHO FALLS, IDAHO 83402

State of Idaho
DEPARTMENT OF WATER RESOURCES
900 N. Skyline Dr., Idaho Falls, Idaho 83402-1718 - (208) 525-7161 - FAX: (208) 525-7177

EASTERN REGION

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

April 27, 1995

RALPH S PARKINSON
PARKINSON FARMS
RT 1 BOX 228
ARCO ID 83213

RE: Application for Transfer No.: 4573

Dear Mr. Parkinson:

Enclosed please find a copy of the protest filed against the above referenced application for transfer. You should be aware that the following are the items we can consider at a conference and/or hearing in either approving or denying an application for transfer:

1) Are other water rights injured by the transfer?
2) Does the change constitute enlargement in the use of the original water right?
3) Is the change consistent with the conservation of water resources within the state of Idaho?
4) Does the change conflict with the local public interest?

The applicant must be prepared to present evidence and/or testimony addressing each of the four items should an additional hearing be necessary. You will be notified at a later date as to the time and place set for conference and/or hearing.

If we may be of further assistance, please contact us.

Respectfully submitted,

Harold W. Jones rb

HAROLD W. JONES
Water Rights Supervisor

HWJ/rb

enclosures
cc: IDWR - State Office

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State of Idaho
DEPARTMENT OF WATER RESOURCES
900 N. Skyline Dr., Idaho Falls, Idaho 83402-1718 - (208) 525-7161 - FAX: (208) 525-7177

EASTERN REGION

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

April 27, 1995

LAWRENCE R BABCOCK CHAIRMAN
BIG LOST RIVER WATER USERS ASSOC
BOX 66
MOORE ID 83255

RE: Application for Transfer No. 4573

Dear Mr. Babcock:

This letter acknowledges receipt of the protest filed by you against the above referenced application for transfer. The following are the principle items considered by the Department at a conference and/or hearing in either approving or denying an application for transfer:

1. Are other water rights injured by the transfer?
2. Does the change constitute enlargement in the use of the original right?
3. Is the change consistent with the conservation of water resources within the state of Idaho?
4. Does the change conflict with the local public interest?

The protestant must be prepared to present proof of the allegations involving one or more of the items. You will be notified at a later date as to the time and place set for conference and/or hearing.

In addition, Rule 302 of the Department's Rules of Procedure requires a protestant to send a copy of the protest to the applicant in question. The address is as follows:

RALPH S. PARKINSON
PARKINSON FARMS
RT 1 BOX 228
ARCO, ID 83213

If we may be of further assistance, please contact us.

Respectfully submitted,

Harold W. Jones rb

HAROLD W. JONES
Water Rights Supervisor

HWJ/rb

cc: IDWR - State Office

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NOV 29 1996

RECEIVED

APR 24 1995

Receipt # E020943

Department of Water Resources
Eastern District Office

*** PROTEST ***

The Big Lost River Water Users Association, including but not limited to the signatures affixed hereto, by this instrument herewith files a protest agianst the approval of water right transfer #4573 (publication attached), for at least but not limited to the following points to wit:

1. This addition would constitute an enlargement of a water right.
2. The artesian pressure for existing ground water diversions would be reduced.
3. The water supply is insufficient.
4. There would be injury to prior appropriators.
5. There is no lawful means of transport.

Dated this 19 day of April, 1995

Lawrence R. Babcock

Lawrence R. Babcock, Chairman
Big Lost River Water Users Association
Box 66
Moore, Idaho 83255

Vera N Walker	P.O. Box 32 Arco, Id. 83213
Dennis Rothwell	Rt 1 Box 405 Arco, Idaho 83213
Laurie L. Hansen	P O B. 1678 Arco, Id 83213-0678
Gerald Stowers	P.O. Box 59 Moore, Id. 83255
Richard Raymond	P.O. Box 73 Moore, Id 83255
Kayman D. Anderson	P.O. Box 52 Moore Id 83255
Marla D Hall	PO Box 216 Arco, Id 83213
Lester Braswell	R 1 Box 215 Arco
Dennis Braswell	R 1 Box 215 Arco
Albert Babcock	R 1 Box 76 Moore, Idaho
Mary L Babcock	R I Box 76 Moore Idaho
Dwight D Hall	Moore Idaho Moore Box 455
Dale Smith	Rt 1 Box 22 Moore, Idaho 83255
Troy M Boyce Jr	3085 King Mtn Rd Moore, ID 83255
K. Joyce Boyce	3085 King Mtn. Rd., Moore, ID 83255
Betty Ann Edwards	Rt 1, Box 80 Moore, Id 83255

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RECEIVED
APR 04 1995
Department of Water Resources
Eastern District Office

APPLICATION FOR TRANSFER OF

WATER RIGHT NO. 4573

WATER DISTRICT 34

WATERMASTER Doug Kaufmann

DATE: 4-3/91

COMMENTS: _____

_____

_____

_____

_____

X I do endorse approval of this change.

___ I do not endorse approval of this change.

I recommend the following conditions of approval:

_____

_____

_____

_____

Doug Kaufmann
Watermaster

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NOV 29 1996

AFFIDAVIT OF PUBLICATION

I, Colleen Babcock

of the Arco Advertiser, a weekly newspaper of general circulation, published weekly at Arco, Idaho, since March, 1909, do solemnly swear that a copy of this notice, per clipping attached, was published weekly in the regular and entire issue of said newspaper, and not in any supplement thereof,

for 2 consecutive weeks, commencing with the issue dated April 6, 1995

and ending with the issue dated April 13, 1995

Colleen Babcock

STATE OF IDAHO }

COUNTY OF BUTTE }

On this 13th day of April

in the year of 1995, before me, a Notary Public, personally appeared Colleen Babcock

known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same

Thomas D. Cannon

Notary Public for Idaho

Residing at Arco, Id

My commission expires 12-30-97

NOTICE OF PROPOSED CHANGE OF A WATER RIGHT

NO. 4573

Notice is hereby given that Parkinson Farms, C?O Ralph S. Parkinson, Rt 1 Box 228, Arco, ID 83213, has applied to the Department of Water Resources to add a point of diversion of the waters of a groundwater source. The rights sought to be changed are evidenced by the Snake River Basin Adjudication Directors Report and recorded as follows:

Right No.: 34-02497 Source: Groundwater
Amount: .57 cfs Priority: 09/27/1966
Point(s) of Diversion: NWNESW, NENESE Sec 11, T03N, R26E, Butte County
The water is used for irrigation from 04/15 to 10/15 within the E½SE, S10, T03N, R26E, NENE, S½NE, S½NW, S½, S11, T03N, R26E, B.M.

Right No.: 34-02505 Source: Groundwater
Amount: 1.06 cfs Priority 03/03/1967
Point(s) of Diversion: NWNESW, NENESE, Sec 11, T03N, R26E, Butte County
The water is used for irrigation from 04/15 to 10/15 within the E½SE, S10, T03N, R26E, NENE, S½NE, S½NW, S½, S11, T03N, R26E, B M

Right No.. 34-02506 Source Groundwater
Amount: 1.17 cfs Priority: 03/02/1967
Point(s) of Diversion: NWNESE, NENESE, Sec 11, T03N, R26E, Butte County
The water is used for irrigation from 04/15 to 10/15 within the E½SE, S10, T03N, R26E, NENE, S½NE, S½NE, S½NW, S½, S11, T03N, R26E, B.M.

Right No.: 34-04008 Source: Groundwater
Amount: 2.6 cfs Priority: 04/01/1967
Point(s) of Diversion: NWNESW, NENESE, Sec 11, T03N, R26E, Butte County
The water is used for irrigation from 04/15 to 10/15 within the E½SE, S10, T03N, R26E, NENE, S½NE, S½NW, S½, S11, T03N, R26E, B M.

TO BE CHANGED AS FOLLOWS:

Only 5.32 cfs will be diverted from the SENE, NESW, NESE, SEC 11 T03NM, R26E: SESW, SEC 34, T05N, R26E, (NEW WELL), Butte County The change reflected above constitutes adding one new well to the system

Any protests against approval of the proposed change must be filed with the Idaho Department of Water Resources, 900 N. Skyline Dr., Idaho Falls, ID 83402, together with a protest fee of $25 on or before April 24, 1995. The protestant must also send a copy of the protest to the applicant.

R. Keith Higginson
Director

Published in The Arco Advertiser on April 6 & 13, 1995

NOTICE OF PROPOSED CHANGE OF A WATER RIGHT
NO. 4573

Notice is hereby given that Parkinson Farms, C/O Ralph S. Parkinson, Rt 1 Box 228, Arco, ID 83213, has applied to the Department of Water Resources to add a point of diversion of the waters of a groundwater source. The rights sought to be changed are evidenced by the Snake River Basin Adjudication Directors Report and recorded as follows:

Right No.: 34-02497 Source: Groundwater
Amount: .57 cfs Priority: 09/27/1966
Point(s) of Diversion: NWNESW, NENESE, Sec 11, T03N, R26E, Butte County

The water is used for irrigation from 04/15 to 10/15 within the E1/2SE, S10, T03N, R26E, NENE, S1/2NE, S1/2NW, S1/2, S11, T03N, R26E, B.M.

Right No.: 34-02505 Source: Groundwater
Amount: 1.06 cfs Priority: 03/03/1967
Point(s) of Diversion: NWNESW, NENESE, Sec 11, T03N, R26E, Butte County

The water is used for irrigation from 04/15 to 10/15 within the E1/2SE, S10, T03N, R26E, NENE, S1/2NE, S1/2NW, S1/2, S11, T03N, R26E, B.M.

Right No.: 34-02506 Source: Groundwater
Amount: 1.17 cfs Priority: 03/02/1967
Point(s) of Diversion: NWNESW, NENESE, Sec 11, T03N, R26E, Butte County

The water is used for irrigation from 04/15 to 10/15 within the E1/2SE, S10, T03N, R26E, NENE, S1/2NE, S1/2NW, S1/2, S11, T03N, R26E, B.M.

Right No.: 34-04008 Source: Groundwater
Amount: 2.6 cfs Priority: 04/01/1967
Point(s) of Diversion: NWNESW, NENESE, Sec 11, T03N, R26E, Butte County

The water is used for irrigation from 04/15 to 10/15 within the E1/2SE, S10, T03N, R26E, NENE, S1/2NE, S1/2NW, S1/2, S11, T03N, R26E, B.M.

<u>TO BE CHANGED AS FOLLOWS:</u>

Only 5.32 cfs will be diverted from the SENE, NESW, NESE, SEC 11, T03N, R26E; SESW, SEC 34, T05N, R26E, (NEW WELL), Butte County. The change reflected above constitutes adding one new well to the system.

Any protests against approval of the proposed change must be filed with the Idaho Department of Water Resources, 900 N. Skyline Dr., Idaho Falls, ID, 83402, together with a protest fee of $25 on or before April 24, 1995. The protestant must also send a copy of the protest to the applicant.

R. Keith Higginson
Director

Published in the Arco Advertiser on April 6 & 13, 1995.

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State of Idaho
DEPARTMENT OF WATER RESOURCES
900 N. Skyline Dr., Idaho Falls, Idaho 83402-1718 – (208) 525-7161 – FAX: (208) 525-7177

EASTERN REGION

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

March 28, 1995

DOUG ROSENKRANCE
WATER DIST 34
PO BOX 53
MACKAY ID 83251

RE: Application for Transfer No. 4573

Dear Mr. Rosenkrance:

Please find enclosed a copy of the above referenced application. Please review the application 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.

Thank you for your cooperation in this matter.

Respectfully submitted,

Harold W. Jones rb
Harold W. Jones
Water Right Supervisor

HWJ/rb
enc.

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NOV 29 1996

State of Idaho
DEPARTMENT OF WATER RESOURCES
900 N. Skyline Dr., Idaho Falls, Idaho 83402-1718 - (208) 525-7161 - FAX: (208) 525-7177

EASTERN REGION

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

March 28, 1995

RALPH PARKINSON
PARKINSON FARMS
RT 1 BOX 228
ARCO ID 83213

RE: Application for Transfer No.'s 4573

Dear Mr. Parkinson:

The Department of Water Resources acknowledges receipt of your water right permit. This office is currently in the process of advertising the application in the Arco Advertiser on April 6 & 13, 1995. The advertisement will be published for two consecutive weeks, and a period of ten days following the second publication will be allowed for the submittal of protests.

If the application is protested, you will be sent a copy of the protest. The protest must be resolved before the application is approved or denied. If the protest is not resolved voluntarily, this Department will conduct a conference and/or hearing on the matter.

If the application is not protested, it will be forwarded to our State Office in about five weeks. State Office Personnel will conduct a complete review prior to final processing of the application and will notify you of the outcome of this review. When a permit is issued, you will be sent a copy. A typical processing time for an unprotested application is about eight weeks.

Please feel free to contact this office if you have any questions regarding this procedure.

Sincerely,

Harold W. Jones

Harold W. Jones
Water Right Supervisor

HWJ/rb

MICROFILMED
NOV 2 9 1996

November 26, 1990

Ralph S. Parkinson
P O Box 228
Arco, ID 83213

Re: Application for Transfer No. 3052 of Water Right No. 34-02497,
Application for Transfer No. 3053 of Water Right No. 34-02505,
Application for Transfer No. 3054 of Water Right No. 34-02506,
Application for Transfer No. 3055 of Water Right No. 34-04008

Enclosed is a copy of the Order which sets aside the above referenced transfer. The change(s) proposed in the application for transfer which have been claimed on the related Snake River Adjudication claim(s) will be included in and considered by the department in the Director's report required by statute.

If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

L. GLEN SAXTON, Chief
Water Allocation Bureau

Enclosure: Order

c: IDWR - E. Reg. - Water Rights
- Adjudication
- Harold Jones

MICROFILMED
FEB 07 1992

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

October 11, 1990

Ralph S. Parkinson
P.O. Box 228
Arco, ID 83213

RE: APPLICATIONS FOR TRANSFER NOS.
3052 OF RIGHT NO. 34-02497
3053 OF RIGHT NO. 34-02505
3054 OF RIGHT NO. 34-02506
3055 OF RIGHT NO. 34-04008

Dear Mr. Parkinson:

On July 12, 1984, you submitted the above referenced applications for transfer which are still pending in department files. Final action to either approve or deny the applications has not occurred.

A review of department records shows that the Snake River Basin adjudication claims which you filed on these water rights claim the right differently than the original rights and differently from the pending applications for transfer.

Since the adjudication claims are likely the more current representation of the water rights than the applications for transfer, the department intends to void the applications for transfer and allow the adjudication claims to be the documents to represent the water rights unless you can show within thirty (30) days why the applications for transfer should be considered separately by the department.

Please feel free to contact the department if you have questions.

Sincerely,

L. Glen Saxton

L. GLEN SAXTON, Chief
Water Allocation Bureau

c: IDWR - E. Region - Water rights
- Adjudication
- Harold Jones

RECEIVED
FEB 07 1992

MEMORANDUM

To: Gary Spackman

From: L. Glen Saxton

RE: APPLICATIONS FOR TRANSFER - BASIN 34

Date: July 10, 1989

Once a management approach is selected in the Big Lost River Drainage, department action on applications for permit and applications for transfer hopefully will be consistant. Depending on the particulars of applications which are submitted, the issues associated with a new appropriation and a transfer of an existing right can be similar.

The applications for permit which have been protested usually involve the drilling of wells in the Moore area to be conveyed by canal to a place of use south of Arco. The objection is that such approvals injure prior surface water rights in the Moore to Arco area since the water diverted from the wells depletes the water which would otherwise contribute to surface water flow.

Similarly, applications for transfer which propose the addition of points of diversion (new wells) in the Moore area are subject to the same type of protests.

Hence, it appears that pending transfers of this type in Basin 34 should be held for treatment consistant with the policy which is being developed for the Big Lost River drainage.

MICROFILMED

FEB 07 1992

Form 222a
6/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
TRANSFER ANALYSIS SHEET

INITIAL REVIEW BY: HWS

1. Right number 34-2497 Applicant Parkinson
2. Type of right: ☐ Decree ☑ License ☐ Claim
3. Purpose of transfer: ☐ Change point of diversion ☑ Add diversion point(s) ☐ Change place of use
   ☐ Other _____
4. Check:
   a. ☑ Source ☑ Priority ☑ Amount ☑ Purpose ☑ Period of use
   b. ☑ Description of original point of diversion.
   c. ☑ Description of original place of use.
5. Amount of land &/or water transferred:
   a. ☑ All of right.
   b. ☐ Part of right *(NOTE! Part B should be filled in only if part of the right is owned by the applicant).*
   c. ☑ Check description of point(s) of diversion.
   d. ☑ Check description of place of use.
   e. ☑ Check map (shows p.d. and p.u. after transfer).
   f. ☑ Check for correct signature, notarization, and fee.
   g. ☑ Check proof of ownership of right &/or land from which water is transferred.
   h. ☑ Check for expansion in use of right. Comments _____
   i. ☑ Check for existing water rights from same source, on land water is being transferred to.
      Right number(s) Permit # 34-7145 says SE¼ of Sect 4
   j. ☑ Is use within a Watermaster District? ☐ Yes ☐ No
      If yes, what district? _____

FINAL PROCESSING REVIEW BY: _____

1. Watermaster recommendation requested on N. A. Received on _____
2. *Is transfer published correctly?* ☑ Yes ☐ No
3. Protest received? ☐ Yes ☐ No

RECOMMENDED ACTION

1. ☑ Approve
2. ☐ Deny
3. Conditions* _____

RECEIVED
MAR 14 1985
Department of Water Resources

4. By RDC Date 8/22/84

Jim 4-15-85

** All uses within Watermaster Districts require special conditions.*

MEMORANDUM

Date: August 18, 1987

To: T3052 (Lic. 34-2497)
T3053 (Lic. 34-2505)
T3054 (Lic. 34-2506)
T3055 (Lic. 34-4008)

From: L. Glen Saxton

RE: ACTION ON THE TRANSFER APPLICATIONS

Action should not be taken on the above listed applications for transfer until there is some common concurrrence within the department relative to a general policy or strategy in the Big Lost River Basin. The real question basically boils down to a conjunctive use consideration since the groundwater and surface water seems to be closely related.

There is quite a bit of information compiled in draft reports of the department entitled "Big Lost River Groundwater Study" but the reports have not been finalized or adopted.

The Swan Falls controversy which still is not resolved has slowed the momentum of developing a groundwater strategy in the Big Lost River Basin.

MICROFILMED
FEB 07 1992

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

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

RECEIVED
MAY 6 1985
Department of Water Resources
Eastern District Office

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

April 24, 1985

Ralph S. Parkinson
P.O. Box 228
Arco, ID 83213

Re: Applications for Transfer Nos. T3052 (License No. 34-2497); T3053 (License No. 34-2505); T3054 (License No. 34-2506); T3055 (Claim No. 34-4008)

Dear Mr. Parkinson:

This office is currently reviewing the four above-referenced applications for transfer. As you are aware, each of the four applications proposes to add two additional points of diversion from groundwater--one in Sec. 11, Twp 3N, Rge 26E, and one in Sec. 34, Twp 5N, Rge 26E.

Please be advised that the position of this Department with respect to the addition of a point of diversion in Sec. 34, Twp 5N, Rge 26E has not changed since the position was conveyed to you in a letter dated March 28, 1983 regarding Application for Transfer No. T2426 on License No. 34-2506. The Department still considers the proposed additional point of diversion in Sec. 34, Twp 5N, Rge 26E to be located near the center of controversy regarding the availability of water from the groundwater source in the Big Lost River drainage basin. Progress toward a determination of the availability of groundwater has been under study pending resolution of the Swan Falls water rights controversy, because waters in the Big Lost River drainage basin are considered to be tributary to the Snake River system.

WITHDRAWN
FEB 07 1992

If you have input regarding the availability of groundwater within Sec. 34, Twp 5N, Rge 26E, I would again ask that you would provide this information to my attention. Alternatively, if you wish to delete this point of diversion from the four applications for transfer, then further action can be taken toward approving the four applications to enable the addition of a point of diversion within Sec. 11, Twp 3N, Rge 26E to each of the four water rights.

Meanwhile, this Department will place the applications for transfer in a hold status, pending your response or a further determination regarding the availability of groundwater within the Big Lost River drainage basin.

Sincerely,

David R. Tuthill Jr.

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

DRT/ls

cc: Eastern Region ✓

MICROFILMED
FEB 07 1992

MEMORANDUM

TO: Dave Tuthill DRT

FROM: Jim Johnson

DATE: April 15, 1985

RE: Transfer Review for Rights 34-2497, 34-2505, 34-2506 & 34-4008

On this day, I reviewed the above applications for transfer and found that the regional office was not necessarily recommending them for approval but forwarding them to the state office for additional follow-up per correspondence written by you on March 28, 1983.

I have reviewed the specific elements of each transfer and found no errors. I have recorded recommendations for approval without consideration of previous recommendation by Ernest Carlson on transfer of right 34-2506 (T. 2426), which has since been withdrawn by the applicant at the advice of the regional office.

Therefore, it appears that the only remaining item on these transfers is to follow-up on the subject of your correspondence.

MICROFILMED

FEB 07 1992

INTER-DEPARTMENT MEMO — 1

FROM H. Jones

DATE 9-4-1984

TO File 34-2505, 34-2506, 34-2497 & 34-4008

SUBJECT Verification of ownership.

The Butte County Assessor verified on 8-22-84 that Mr. Parkinson owned the S½ of Sec. 11, Twp. 3N, Rge. 26E and a fraction of the N½ of Sec. 11. I asked them to send a description of the fraction. The description seems to be inconclusive and their own notes indicate it may be in error.

MICROFILMED

FEB 07 1992

H.W. Jones

SIGNATURE

INTER-DEPARTMENT MEMO — 1

FROM E. Carlsen

DATE 3/85

TO Ron.

SUBJECT These application should be in form for final regional review. Unless there is some additional work that need to be done, they could be forwarded to Boise with a recommendation that Dave T. send the attached letter to Mr. Parkinson for each application.

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

RECEIVED
MAR 31 1983
Department of Water Resources
Eastern District Office

March 28, 1983

Ralph Parkinson
Rt. 1, Box 66
Arco, ID 83213

Re: Application for Transfer No. 2426 on Water Right No. 34-2506

Dear Mr. Parkinson:

This office has recently reviewed the above-referenced transfer application in view of the Waterways Transport Agreement that you provided to our Eastern Regional Office on January 21, 1983. Although the agreement provides a methodology for the delivery of water to the lands described in the transfer, the transfer still implies an increased diversion of water within Section 34, Twp. 5 N, Rge. 26 E. Since this point of diversion is located near the center of controversy regarding availability of water from the groundwater source in the Big Lost River Drainage Basin, we cannot approve the transfer application until this controversy is resolved.

If you have input regarding the availability of groundwater within Section 34, Twp. 5 N, Rge. 26 E, please provide this information to my attention. Meanwhile, this Department will continue to attempt to reach a decision regarding the pending water development within the Big Lost River Drainage Basin.

Sincerely,

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

DRT:sc

cc: Eastern Region

MICROFILMED
FEB 07 1992

February 4, 1985

Ralph S. Parkinson
P.O. Box 228
Arco, ID 83213

RE: Transfer Applications 34-2497, 34-4008, 34-2506 & 34-2505

Dear Mr. Parkinson:

The above referenced applications for transfer are in the process of final review in the Eastern Regional office. Our review reveals the SE1/4 NE1/4 and NE1/4 SE1/4, Sec. 11, Twp. 3N, R. 26E are both shown as points of diversion in item C.2 of these applications, but only one well is indicated on the map. If only one well is intended in the E1/2 of Sec. 11 as indicated by the map then it will be necessary for you to indicate which forty acre subdivision it is located in. It appears that the reason two forty acre tracts are indicated is because of the proximity of the well to the East-West centerline of Sec. 11. With your assistance in clarifying the intent of this application we will be able to forward these applications to our State office for final action. I am enclosing a copy of a portion of one of your applications to help illustrate our question.

Very truly yours,

RECEIVED
FEB 07 1992

RONALD D. CARLSON
Regional Supervisor

RDC/cz

Enclosure

MEMO

FROM: E. CARLSEN EMC

TO: APPLICATIONS FOR TRANSFER OF WATER RIGHTS
34-2497, 34-2505, 34-2506 & 34-4008.

January 9, 1985

PROOF OF OWNERSHIP: A review of the legal descriptions provided by the Butte County Assessor indicates the applicant does own all of Sec.11 T.3N R.26E that is identified as a place of use on the four applications to transfer water rights 34-2497, 34-2505, 34-2506 & 34-4008. The Assessor's Office also verified the applicants ownership of the E½SE¼ Sec.10 T.3N R.26E which is a portion of the place of use on application for transfer of water right 34-4008. In summary, the applicants ownership of the place of use for each water right being transfered has been confirmed by the Butte County Assessors Office.

INTENT OF APPLICATION: The intent of these applications is to retain the original place of use, while modifying the points of diversion to include the same 3 wells on each water right plus the claim. Two of the wells are located on the property being irrigated. The applications indicate these two wells are connected to a common mainline that services the entire place of use. The third well is approximately 8 miles north. Water from this well must be transported by open channels to the place of use. A description of the transport network is included with each application, along with a transport agreement between the Big Lost River Irrigation District and the applicant.

MICROFILMED
FEB 07 1992

IN THE MATTER OF:
APPLICATION FOR TRANSFER
34-4008/2497/2505/2506

State of Idaho
County of _____

AFFIDAVIT

RECEIVED
DEC 14 1984
Department of Water Resources
Eastern District Office

_____ being first duly sworn,

deposes and says: it is not the purpose of these transfers to increase the rate of flow from the well in the SW¼SW¼, Sec. 34, T. 5N, R. 26E. The purpose is to utilize the water in the most efficient manner. The systems are interconnected and water is diverted from the point or points of diversion that will best irrigate the land depending on the crop.

MICROFILMED
FEB 07 1992

Ralph L. Parkinson
(signature)

Subscribed and sworn to before me this 13th day of Dec 19 84.

(notary public)

Residing at Arco Id.
My commission expires 1-25-85.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

A. Kenneth Dunn
Director

150 Shoup — Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

RECEIVED
DEC 14 1984
Department of Water Resources
Eastern District Office

December 7, 1984

Ralph S. Parkinson
P.O. Box 228
Arco, ID 83213

Dear Mr. Parkinson:

On December 4, 1984 Scott Parkinson and I discussed the additional information that I requested in my letter of Nov. 16, 1984. Enclosed is a description of how the water is transported from the well to the place of use, and an affidavit that states that there will be no increased diversion of water from the well in Section 34, T. 5N, R. 26E. Please review both forms, sign (the affidavit must be signed in front of a notary), and return to this office by December 20, 1984.

Sincerely,

Keith C. Wilson/cz

KEITH C. WILSON
Senior Resource Agent

KCW/cz

Enclosures

Thank you for your help on this water situation,
Ralph.

MICROFILMED
FEB 07 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

A. Kenneth Dunn
Director

150 Shoup — Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

December 7, 1984

Ralph S. Parkinson
P.O. Box 228
Arco, ID 83213

Dear Mr. Parkinson:

On December 4, 1984 Scott Parkinson and I discussed the additional information that I requested in my letter of Nov. 16, 1984. Enclosed is a description of how the water is transported from the well to the place of use, and an affidavit that states that there will be no increased diversion of water from the well in Section 34, T. 5N, R. 26E. Please review both forms, sign (the affidavit must be signed in front of a notary), and return to this office by December 20, 1984.

Sincerely,

KEITH C. WILSON
Senior Resource Agent

KCW/cz

Enclosures

MICROFILMED

FEB 07 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V Evans
Governor

A Kenneth Dunn
Director

150 Shoup — Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

November 16, 1984

Ralph S. Parkinson
P.O. Box 228
Arco, ID 83213

RE: Application for Transfer 34-4008, 2497, 2505, 2506

Dear Mr. Parkinson:

The above referenced transfer applications indicate you may intend to utilize canals belonging to the Big Lost River Irrigation District in order to deliver groundwater to the place of use. Since the Department can not grant right-of-way or easement into these canals, you are responsible for obtaining a conveyance agreement with the irrigation district.

Prior to the Department recommending final action of your application, we need evidence that a right-of-way into the canal has been granted. So, if you will send us a copy of your carrying capacity agreement with the irrigation district that would be sufficient evidence of right-of-way.

Also since the transfer applications intend to establish a new point of diversion eight miles up valley from the place of use a detailed description is needed of how the water will be transported from the point of diversion to the place of use.

Please provide the description and a copy of the right-of-way agreement within 30 days of the date of this letter.

Sincerely,

Keith C Wilson

KEITH C. WILSON
Senior Resource Agent

KCW/cz

FEB 07 1992

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES
Eastern Region

150 Shoup Ave., Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

JULY 24, 1984

The Arco Advertiser
Box "C"
Arco, Idaho 83213

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 20, 1984.

Yours truly,

RONALD D. CARLSON
Supervisor
Eastern Region

Encl.

7 1992

NOTICE OF PROPOSED CHANGE OF WATER RIGHT

No. 34-2497

Notice is hereby given that Ralph S. Parkinson, Arco, ID, has applied to the Department of Water Resources for a change in the point of diversion of the waters of a ground water source. The right sought to be changed is evidenced by License No. 34-2497 and is recorded as follows:

Amount: 0.57 c.f.s. Priority: September 27, 1966

Point of Diversion: SE¼NE¼, Sec. 11, T. 3N, R. 26E, B.M., Butte County

The water is used to irrigate 55 acres within the E½NE¼, NE¼SE¼, Sec. 11, T. 3N, R. 26E, B.M.

TO BE CHANGED AS FOLLOWS

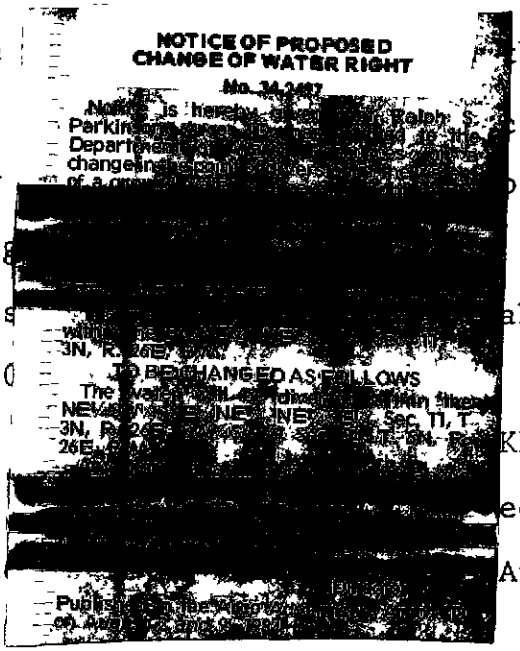
The [illegible] hin the NE¼SW¼, SE¼NE¼, NE¼SE¼, Sec. 11, [illegible]. 34, T. 5N, R. 26E, B.M.

Any [illegible] of the above proposed change of water ri[illegible] Idaho Department of Water Resources[illegible]aho Falls, ID, 83402, on or before August 20[illegible]

KENNETH DUNN

[illegible]ector

Publishe[illegible] Arco, ID, on August 2 and 9, 1984.


NOTICE OF PROPOSED CHANGE OF WATER RIGHT
No. 34-2497
Notice is hereby given that Ralph S. Parkinson
Department
changeing
of a ground
TO BE CHANGED AS FOLLOWS
The water within the NE¼SW¼, SE¼NE¼, NE¼SE¼, Sec. 11, T. 3N, R. 26E,
Publish
on Aug

MICROFILMED
FEB 07 1992

NOTICE OF PROPOSED CHANGE OF WATER RIGHT

No. 34-2497

Notice is hereby given that Ralph S. Parkinson, Arco, ID, has appli ıter Resources for a change in the point :s of a ground water source. The right evidenced by License No. 34-2497 and is re

RECEIVED
JUL 27 1984
Department of Water Res ces
Eastern District Office

Priority: September 27, 1966

The E½NE¼, Sec. 11, T. 3N, R. 26E, B.M., Butte County

55 acres within the E½NE¼, NE¼SE¼, S I.

FOLLOWS

The water will be diverted within the NE¼SW¼, SE¼NE¼, NE¼SE¼, Sec. 11, T. 3N, R. 26E, SW¼SW¼, Sec. 34, T. 5N, R. 26E, B.M.

Any protest against approval of the above proposed change of water right must be filed with the Idaho Department of Water Resources, 150 Shoup, Suite 15, Idaho Falls, ID, 83402, on or before August 20, 1984.

A. KENNETH DUNN

Director

Published in the Arco Advertiser, Arco, ID, on August 2 and 9, 1984.

MICROFILMED
FEB 07 1992

3/79

IDENT. NO. 34-2497

IDAHO DEPARTMENT OF WATER RESOURCES

WATER RIGHT DATA ENTRY LOG

Initials	Date	Item
		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
KS	4-10-79	Keypunched by State Office

June 27, 1969

Re: Permit No. G-33258

Ralph S. Parkinson
Route #1, Box 64
Arco, Idaho 83213

Dear Mr. Parkinson:

A representative of this department has made an examination of the works covered by your Permit G-33258 and has found the following:

Quantity of water diverted: .68 c.f.s.

Amount of water that can be recognized as beneficially used under Idaho Law: .70 c.f.s.

The maximum quantity diverted shall not exceed 165 acre feet per season.

Purpose of use: Irrigation of 55 Acres in NE¼NE¼, SE¼NE¼, NE¼SE¼, Sec. 11, T. 3N, R. 26 E.

The priority date established is: September 27, 1966

A fee totaling $ 11.00 must be received within 30 days from the date of this letter in order that we can issue you the License and Certificate of Water Right as described above.

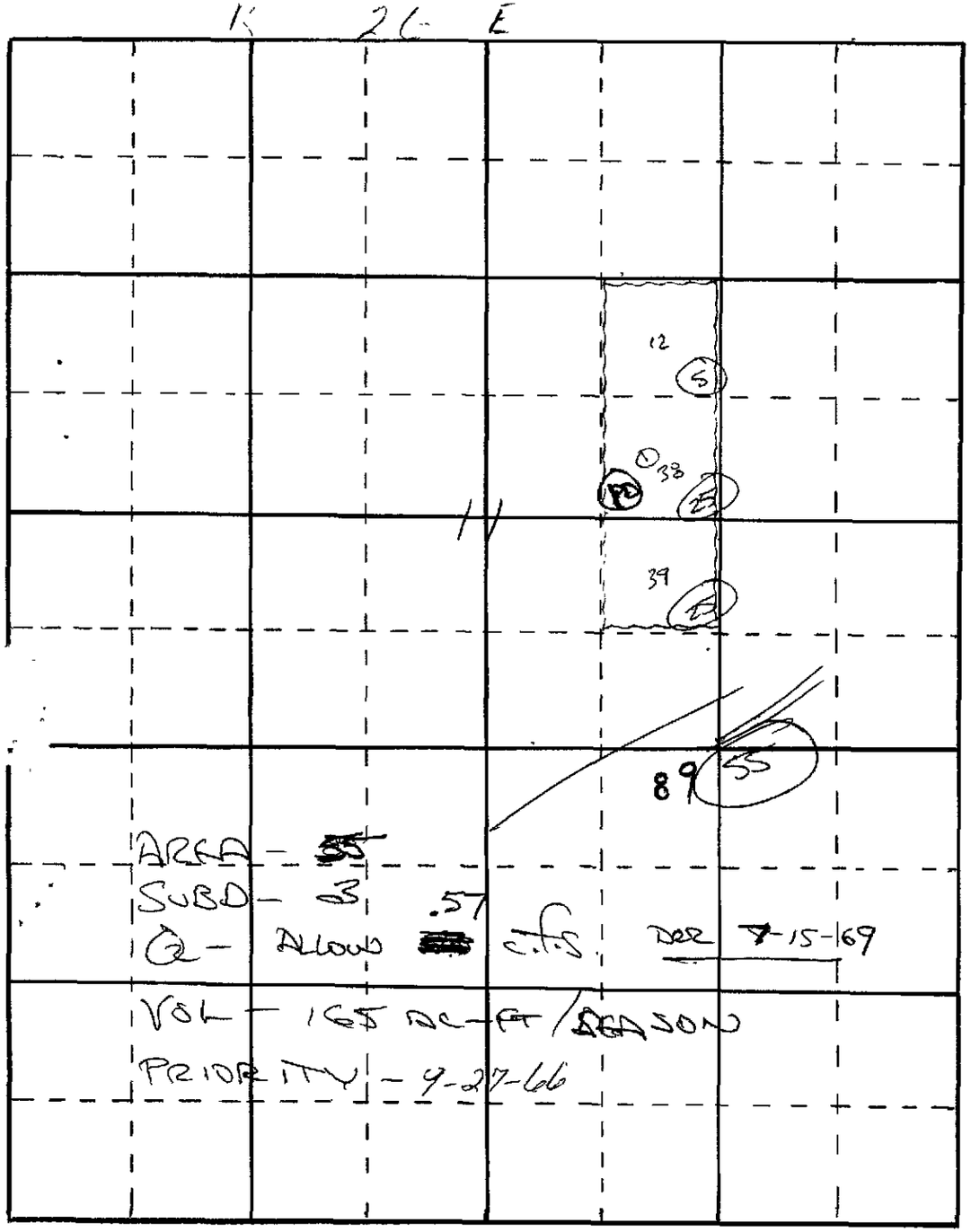
Very truly yours,

Dean R. Reynolds

Dean R. Reynolds
Field Examiner

DRR/mh

33258
34-2491



Permit No. G-33258

Name of Applicant Ralph S. Parkinson, Route 1, Box 64, Arco, Idaho

Source of Water Subterranean

a tributary of

Location of P.D. SE¼NE¼, Sec. 11, T. 3 N, R. 26 E, B.M., Butte Co.

Water is used for Irrigation

Quantity of water claimed: Permit 0.9 c.f.s. Depositions 0.9 c.f.s.

Type of measuring device installed or method of measurement and general description of diversion works well, pump, motor, sprinkler system

90'x16"/H-35'/Q-? (65-10/64-40#)

Land to be irrigated or place of use:

TWP.	RGE.	SEC.	Description
3 N	26 E	11	E½NE¼, NE¼SE¼

Total acreage 55

Filed - September 27, 1966 Made - March 4, 1968
Due - October 17, 1971 Priority - September 27, 1966

Other rights and acreage covered: (Indicate amounts, source, licensed or decreed, and acreage covered by subdivision; also show land covered on the map.

None

33258

Source of supply

a tributary of

Location of P.D.(s)

Water is used for

Quantity of water found

How was the measurement made?

Measurement calculations

DEPOSITIONS 65-5/32" @ 40 lbs

$\frac{(65 \times 0.2)(4.15 \text{ gpm})}{448.8 \text{ gpm}} = .645 \text{ c.f.s.}$

MEASURED:

$\frac{(65 \times 0.2)(4.68 \text{ gpm})}{448.8 \text{ gpm}} = .68 \text{ c.f.s.}$

Diversion works description and diagram

#3 30 HP US ELEC MOTOR #869247
JOHNSTON V.T.P. 6" DISCHARGE - GATE VALVE -
INTER CONNECTED WITH
#4 30 HP GE ELEC MOTOR # KBU 10 19480 -
JOHNSTON V.T.P. - GATE VALUE
8" DISCHARGE INTO 6" MAIN LINE - EAST -
8" MAIN LINE WEST, 45 lbs.
SPRINKLER SYSTEM

84-2497
33358

Indicate area irrigated in each subdivision on the map.

Total acreage irrigated 55 ACRES

If water is used for purposes other than irrigation, fully describe how the water is used and what is done with it after the use.

Who represented the permit holder at the examination?
MR PARKINSON CONTRACTED.

Recommended allowance for licensing

Description of required amendments. Comments.

IRRIGATION REQUIREMENT = 3.0 AC-FT/ACRE/SEASON

Report checked?

Examination date JULY 1968 DRR & JC

Signature

33358

July 16, 1969

Re: Permit Nos. G-33258, G-33504, & G-33505

COPY

Mr. Ralph S. Parkinson
Route 1, Box 64
Arco, Idaho 83213

Dear Mr. Parkinson:

Enclosed you will find your Water Licenses issued on the above numbered permits.

Also enclosed is departmental receipt No. 3306 in the amount of $35.00 covering the fees.

Very truly yours,

C. Stephen Allred, Assistant
State Reclamation Engineer

CSA:kh

Enclosures

33351

June 27, 1967

Re: Permit No. G-33258

Ralph S. Parkinson
Route #1, Box 64
Arco, Idaho 83213

Dear Mr. Parkinson:

A representative of this department has made an examination of the works covered by your Permit G-33258 and has found the following:

Quantity of water diverted: .62 c.f.s.

Amount of water that can be recognized as beneficially used under Idaho Law: .70 c.f.s.

The maximum quantity diverted shall not exceed 165 acre feet per season.

Purpose of use: Irrigation of 55 Acres in NE NE, SE NE, NE SE, Sec. 11, T. 3N, R. 26 E.

The priority date established is: September 27, 1966

A fee totaling $ 11.00 must be received within 30 days from the date of this letter in order that we can issue you the License and Certificate of Water Right as described above.

Very truly yours,

Dean R. Reynolds
Field Examiner

DRR/eh

33258

March 5, 1968

Re: Permit No. G-33258
Ralph S. Parkinson

Ralph S. Parkinson
Route 1, Box 64
Arco, Idaho 83213

Dear Mr. Parkinson:

We acknowledge receipt of the depositions and affidavit of publication in the Arco Advertiser submitted as proof of completion of works and beneficial use on Permit G-33258.

Before a certificate and license of water right can be issued, a field examination must be made by a representative from this department. We cannot tell just when this examination will be made, but our field examiner will try to contact you at the time he makes the examination so that you may show him the system.

Very truly yours,

Donald W. McEldowney
Appropriation Examiner

DWM:dj

33258

Form 16 - 2M
5-5-65

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

Boise, Idaho

Permit No. G-33258

RECEIVED
MAR 5 1968
Department of Reclamation

* * * * * * *

PROOF OF APPLICATION OF WATER TO BENEFICIAL USE

and Completion of Works

DEPOSITION OF HOLDER

Ques. 1. State your name, residence occupation and postoffice address: _____

Ralph S Parkinson Arco Farmer Arco, Idaho

Ques. 2. If acting in behalf of corporation, state its name, principal place of business (if foreign corporation, give name of postoffice of statutory agent), your position with reference to same, and your authority for appearing in its behalf:

none

Ques. 3. State number, approval date of permit, and date of priority: _____

G-33258 Oct 17, 1966 Sept 27, 1966

Ques. 4. State source of water supply: irrigation well
Give location of point of diversion, showing subdivision, section, township and range

SE¼NE¼ Sec 11 twp 3 N R 26 EBM

Ques. 5. Describe your works of diversion: pump, motor, sprinkling system _____; state amount of water they are capable of conveying from point of diversion to place of use: 0.9 CF ; Give name of canal or ditch or other works by which water is conducted to such place of use: private lines _____; if a well, state depth of well 90 feet ; depth and size of casing 16 inch ; depth to water 35 ft ; if pump is used, state discharge of pump: _____; tell how it was measured or determined _____; if sprinkler irrigation, give number and size of nozzles and operating pressure: 65 nozzles, 10/64, 40 lbs

Ques. 6. State for what purpose water is used: irrigation only
(If for irrigation, name each subdivision in which used and number of acres in each subdivision that have actually been irrigated with said water:

E½NE¼, NE¼SE¼ sec 11, twp 3 N R 26 EBM all irrigated

Charles Cope

33258

State nature of all improvements which have been made as a direct result of said use:

all has became good farm lamd, now in crops

Ques. 6-a: If this is a ground water permit, give name and address of person that drilled the well: Charles Cope, Idaho Fallsm Idaho

Ques. 7: If for other than irrigation purposes, show full legal description of place of use and state purpose for which water is used:

none

Ques. 8: If you are not the person or representative of the corporation to whom above mentioned permit was originally issued, please state how ownership was acquired by present holder:

Quest. 9: State when and in what amount the water diverted under above mentioned permit has been first used: 1966, 0.9 CF - Time used since first use:

every irrigation season since

Ques. 10. Describe all other water rights appurtenant to same place of use:

none

(sign) Ralph L. Parkinson

* * * * * * * * * * *

I hereby certify that the foregoing testimony was read to the above subscribed, before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, at my office in Arco, County of Butte State of Idaho, on this 4th day of March, A. D. 19 68.

Charles Gygi

My commission expires: 5-14-70

33258

Form 17A - 4M
5-6-65-

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

Boise, Idaho

Permit No. G-33258

* * * * * * *

RECEIVED
MAR 5 ...
Department of Reclamation

PROOF OF APPLICATION OF WATER TO BENEFICIAL USE

and Completion of Works

DEPOSITION OF WITNESS

The deposition of two witnesses on this form, taken separately, required in each case.

Ques. 1 State your name, age, residence, occupation and postoffice address:

O T Jones 67 Arco, Idaho Realestate Broker, Arco, Idaho

Ques. 2 Are you acquainted with Ralph S Parkinson, the holder of Permit No. G-33258? How long have you known him and where does he reside?

15 yrs, Arco, Idaho

Ques. 3. Have you read or heard said Permit No. G-33258 read, and are you familiar with its provisions and conditions: Yes yes No. _____

Ques. 4. State source of water supply: Irrigation well

Give location of place of diversion, showing subdivision, section, township and range

SE¼NE¼, sec 11 twp 3 N R 26 EBM

Describe works for conveying water to place of use: pump, meter, sprinkling system

Ques. 5. How many second feet of water do you estimate said works will safely conduct to place of use: 0.9 CF How much water have you seen being so conveyed? 0.9 CF

Ques. 6 If for irrigation, show number of acres irrigated in each subdivision, giving full legal description:

E½NE¼, NE¼SE¼ sec 11 twp 3 N R 26 EBM all irrigated

33258

Ques. 7. If for other than irrigation purposes, show full legal description of place of use, and state purpose for which water is used.

none

Ques. 8. (If for irrigation) state character of land that has been reclaimed, and give your estimate of the amount of water required for its profitable cultivation.

all good farm land, 1 miners inch per acre

Ques. 9. Have you any ownership interest in the works, water or lands above mentioned? If so, in what way and to what extent? no

Ques. 10. When did you first see this water used? 1966

Other times you have seen such use: 1967

(Signed): O. J. Jones

* * * * * * * * *

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me in Arco, County of Butte, State of Idaho, on this 4th day of March, A. D. 19 68

Notary Public for the State of Idaho

Residing Arco

My commission expires 5-14-70

33258

Form 17A.-4M
5-6-65

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

Boise, Idaho

Permit No. G-33258

* * * * * * *

RECEIVED
MAR 5 1968
Department of Reclamation

PROOF OF APPLICATION OF WATER TO BENEFICIAL USE
and Completion of Works

DEPOSITION OF WITNESS

The deposition of two witnesses on this form, taken separately, required in each case.

Ques. 1 State your name, age, residence, occupation and postoffice address:

Lyle E Walker 55 Arco, Idaho Farmer, Arco, Idaho

Ques. 2 Are you acquainted with Ralph S Parkinson, the holder of Permit No. G-33258? How long have you known him and where does he reside?

9 years Arco, Idaho

Ques. 3. Have you read or heard said Permit No. G-33258 read, and are you familiar with its provisions and conditions: Yes Yes No.

Ques. 4. State source of water supply: irrigation well

Give location of place of diversion, showing subdivision, section, township and range

SE¼NE¼ sec 11 twp 3 N R 26 EBM

Describe works for conveying water to place of use: Meter, pump, sprinkling system

Ques. 5. How many second feet of water do you estimate said works will safely conduct to place of use: 0.9 CF How much water have you seen being so conveyed? 0.9 CF

Ques. 6 If for irrigation, show number of acres irrigated in each subdivision, giving full legal description:

E½NE¼, NE¼SE¼ sec 11 twp 3 N R 26 EBM all irrigated

33258

Ques. 7. If for other than irrigation purposes, show full legal description of place of use, and state purpose for which water is used.

none

Ques. 8. (If for irrigation) state character of land that has been reclaimed, and give your estimate of the amount of water required for its profitable cultivation.

all good farm land, ----- 1 miners inch per acre

Ques. 9. Have you any ownership interest in the works, water or lands above mentioned? If so, in what way and to what extent? no

Ques. 10. When did you first see this water used? 1966

Other times you have seen such use: 1967

(Signed): Lyle C. Wallace

* * * * * * * * *

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me in Arco, County of Butte, State of Idaho, on this 4th day of March, A. D. 19 68

Notary Public for the State of Idaho

Residing Arco, Idaho

My commission expires 5-14-70

33258

Affidavit of Publication

I, Elisabeth L. Brammer, of the Arco Advertiser, a weekly newspaper of general circulation, published weekly at Arco, Idaho, since March, 1909, do solemnly swear that a copy of this notice, per clipping attached, was published weekly in the regular and entire issue of said newspaper, and not in any supplement thereof,

for four (4) consecutive weeks, commencing

with the issue dated February 1, 1968

and ending with the issue dated Feb. 22, 1968

Elizabeth L Brammer

Subscribed and sworn to before me this

21 day of Feb, 1968

Betty J. Mayo

Notary Public.

Residence: Arco, Idaho.

My commission expires 2-4, 1969

[redacted]

df

SC

RECEIVED

MAR 5 1968

Department of Reclamation

33258

24.94

January 24, 1968

Re: Permit No. G-33258

Ralph S. Parkinson
Route 1, Box 64
Arco, Idaho

Dear Mr. Parkinson:

This acknowledges receipt of the notice of intent to make proof of completion of works and application of water to beneficial use for permit G-33258 .

We have mailed the notice to the Arco Advertiser to be published once a week for four consecutive weeks prior to March 4, 1968, , which is the hearing date when the permit holder Ralph S. Parkinson and two disinterested witnesses must appear before Charles A. Jones , notary public, to complete the enclosed depositions. The witnesses must be familiar with the works and permit.

After the hearing, the depositions and an affidavit of publication must be submitted to this office. The affidavit may be obtained from the newspaper when the advertising bill is paid by Ralph S. Parkinson . Be sure all the forms have the notary's seal and are signed.

Please feel free to contact us if we may be of any assistance.

Very truly yours,

Donald W. McKldowney
Water Rights Clerk
DWM:dj
Enc: Depositions
cc: Notary

33258

January 24, 1968

Re: Permit No. G-33258
Ralph S. Parkinson

Arco Advertiser
Butte County
Arco, Idaho

Gentlemen:

Enclosed is a legal notice which we wish to have published for four consecutive weeks prior to March 4, 1968. The expense of the publication is to paid by Ralph S. Parkinson, Route 1, Box 64, Arco, Idaho, to whom you should furnish the affidavit of publication on or before the above date. Please acknowledge receipt of this notice by furnishing this office with a tear sheet for checking prior to the first publication.

Very truly yours,

Donald W. McEldowney
Water Rights Clerk

DWM:dj

Enc: Legal Notice

33258

Form 36

NOTICE OF PROOF OF COMPLETION OF WORKS AND APPLICATION OF WATER TO BENEFICIAL USE

Notice is hereby given that on March 4, 1968, at Arco, County of Butte, State of Idaho, before notary public (name & address) Charles A. Jones, Arco, Idaho, proof will be submitted of the completion of works for the diversion of 0.9 c.f.s. of the waters of a subterranean source, and the application to beneficial use of said water, in accordance with the terms and conditions of permit G-33258, heretofore issued by the Department of Reclamation of the State of Idaho.

1. The name and address of permit holder is Ralph S. Parkinson, Route 1, Box 64, Arco, Idaho.

2. Said works of diversion will be fully completed on the date for such completion, and the amount of water which said works are capable of conveying to the place of use is 0.9 cubic feet per second.

3. The use to which said water has been applied is irrigation purposes, and the amount applied to beneficial use is 0.9 c.f.s.

4. The point of diversion of said water is SE¼NE¼, Sec. 11, T. 3 N., R. 26 E. B.M., Butte County.

5. The place where said water is used is E½NE¼, NE¼SE¼, Sec. 11, T. 3 N., R. 26 E, B.M.

6. The date of priority which said user is prepared to establish is September 27, 1966.

R. KEITH HIGGINSON
State Reclamation Engineer

33258

No. 36 - 4M
1/65

RECEIVED
JAN 23 1968
Department of Reclamation

NOTICE OF PROOF OF COMPLETION OF WORKS
and
APPLICATION OF WATER TO BENEFICIAL USE

Notice is hereby given that ~~at 10 A.M.~~, on the 4th day of March 1968, at Arco, County of Butte, State of Idaho before Charles A. Jones, Notary Public, at (address) Arco Idaho, proof will be submitted of the completion of works for the diversion of .9 cubic feet per second of underground water from a well, and of the application to beneficial use of said water, in accordance with the terms and conditions of Permit No. G-33258, heretofore issued by the Department of Reclamation of the State of Idaho.

1. The name and postoffice address of the person or corporation holding said permit is Ralph S. Parkinson Route 1, Box 64 Arco Idaho

2. Said works of diversion will be fully completed on the date for such completion, and the amount of water which said works are capable of conveying to the place of use is 0.9 cubic feet per second.

3. The use to which said water has been applied is irrigation, purposes and the amount applied to beneficial use is 0.9 cubic feet per second.

4. The point of diversion of said water is SE ¼ NE ¼, Sec 11, T. 3 N R. 26 E.B.M. Butte County

5. The place where said water is used is ~~E½ NE¼ SE¼, portion of W½ NE¼ SE¼,~~ E½ SE¼ NE¼, ~~portion of W½ SE¼ NE¼, portion of SE¼ NE¼ NE¼~~, Sec 11 T. 3 N. R. 26, E.B.M.

6. The date of priority which said user is prepared to establish is October 10, 1967 Sept 27, 1966

State Reclamation Engineer

B 33258

Form No. 11
2M 12-64

RECEIVED
JAN 23 1968
Department of Reclamation

NOTICE TO ACCOMPANY THIS LETTER MUST BE MADE IN DUPLICATE

(Date) Jan. 19, 1968

(P. O.) Arco, Idaho

TO THE STATE RECLAMATION ENGINEER

Boise, Idaho

Dear Sir:

You are hereby authorized to have the attached notice published at my expense in the Arco Advertiser of Arco Idaho Published in the county in which the works are situated.

Ralph S. Parkinson
Rt. I Box 64
Arco, Idaho 83213

Jan. 19, 1968

(In case of canals or other works designed to divert and carry more than 50 cubic feet of water per second, the following certificate must be signed by a well known and competent engineer)

I hereby certify that the facts set forth in the attached notice are true.

Engineer

33258

33258

March 6, 1967

Ralph S Parkinson
Route 1, Box 64
Arco, Idaho 83213

Dear Mr. Parkinson:

The forms for proof of completion of works and beneficial use requested by your letter of March 1, 1967, are enclosed together with instructions which briefly explain the procedure.

Priority on filings, date from the receipt of the application in this office for recording; but, in case of court adjudication at some future time the priority would revert to the first date of proven use at the option of the court.

Without specific information as to what wells you want records on and what information is desired we would probably not be able to send you the information you want. If you are interested in the whole area the records would be quite expensive and perhaps you would be ahead to visit our office to obtain what information is required.

Very truly yours,

Donald J. Watts
Engineer

DJW:nw

Enclosure: Forms 36

33258

RECEIVED
MAR 2 1967
Department of Reclamation

State Dept. of Reclamation
Boise, Idaho

March 1, 1967

Dear Sir,

Would you please explain more clearly what is meant by "proofs of completion and application to beneficial use", and just how am I to do this? If there are forms to fill in for this purpose would you please send enough for 3 permits.

Also the one application enclosed which has two wells operated together; these wells were drilled + operated in the spring of 1962 which will be 5 years ago this spring. Will the priority date on the permit date back to the time they were drilled or will it date from when the application is received in your office?

Would you send me a record of the other wells in that area.

Thank you.

Ralph S. Parkenson
Rt 1 Box 64
Arco, Idaho 83213

33258

October 23, 1966

Re: Permit No. G-33258

Ralph S. Parkinson
Arco, Idaho

Dear Mr. Parkinson:

We enclose Permit No. G-33258 in which we direct your attention to the limitations and conditions as given on the fourth page under approval of the State Reclamation Engineer.

We also enclose Departmental Receipt No. G-10956 which was issued covering payment in the amount of $5.00 for the filing fee of the above mentioned permit.

Very truly yours,

Enc. permit, receipt

M. RUSSELL BOSCH
Office Manager

MRBtejw

33258

September 27, 1966

33258

Ralph S. Parkinson
Route #1, Box 64
Arco, Idaho 83213

Dear Mr. Parkinson:

Returned herewith is your application for permit and your check for $5.00. In checking we find that your land list does not agree with the map. We have indicated on your map the land you list on the permit would you please show the point of diversion on the corrected map or else correct the permit to agree with your original map.

Very truly yours,

M. RUSSELL BOSCH
Office Manager

MRB:ejw

Encl: Application
Check