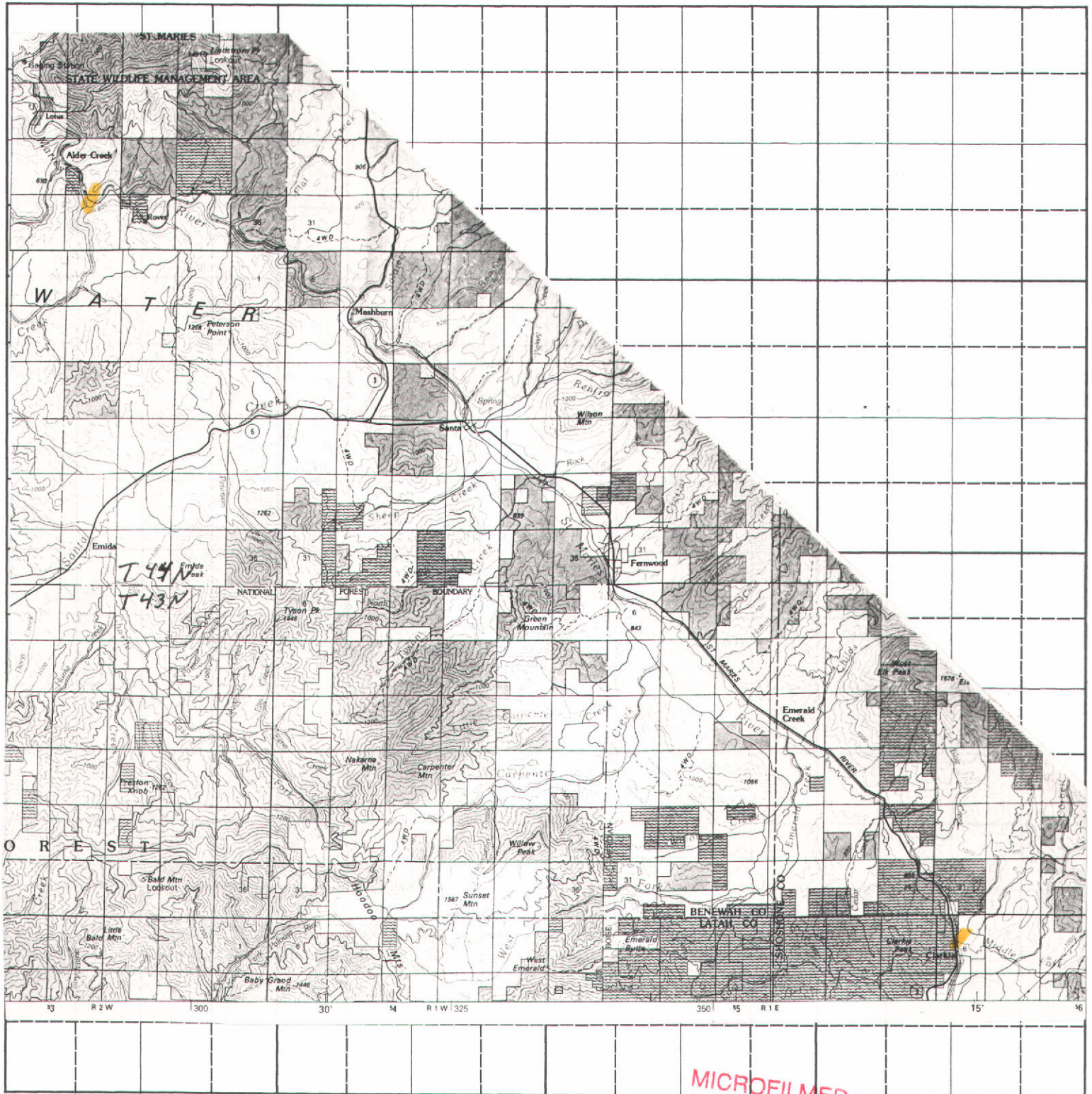


13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

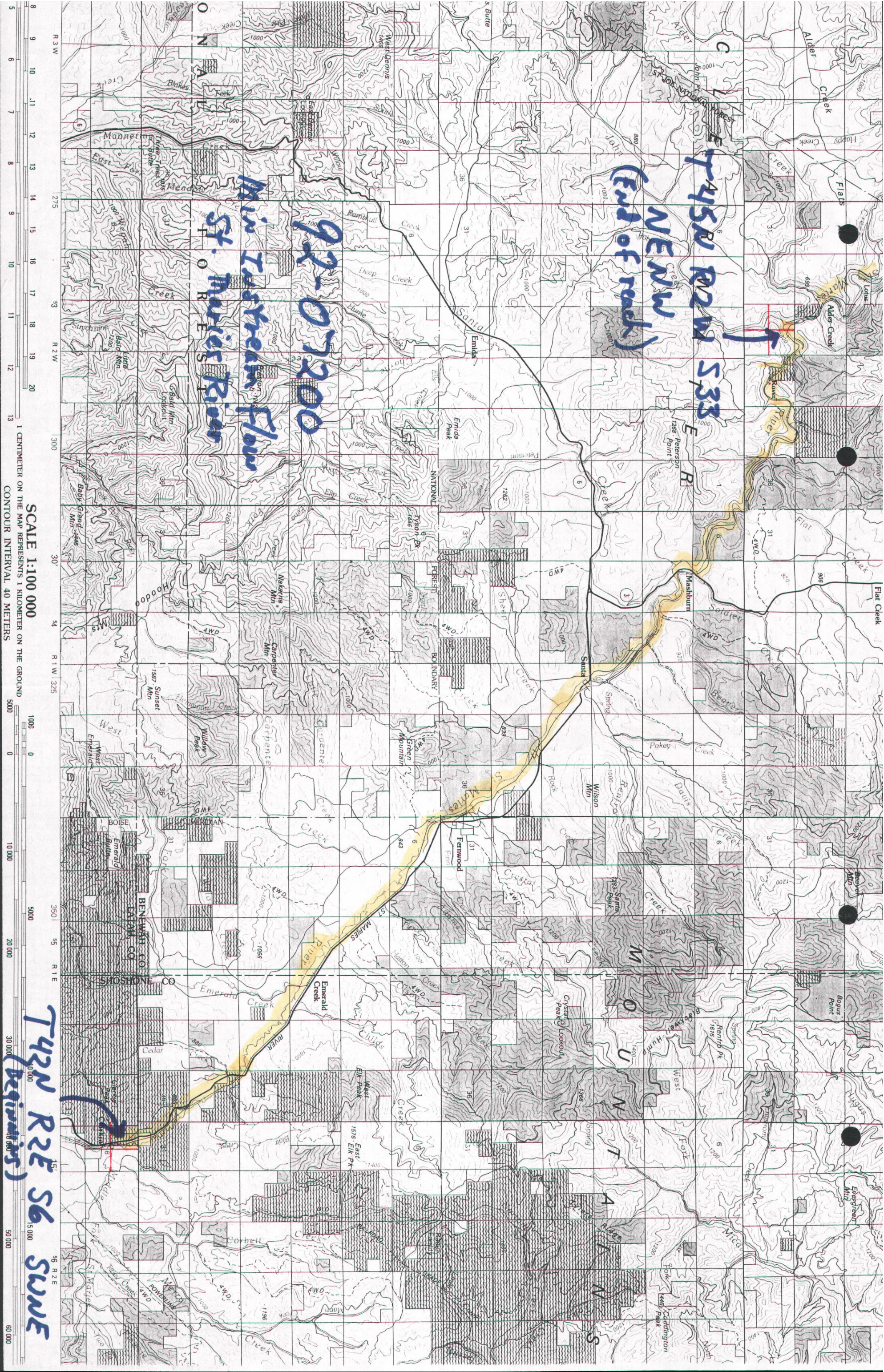
MICROFILMED

JUN 12 1998

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.

William S. Platt

(Applicant)



NEW NW
(End of reach)

4450 R2W S33E

92-07200

Main Truckee Flow

St. Marys River

TY2N R2E S6 SWNE

SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 40 METERS

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 92-07200

Priority: June 15, 1992

Minimum Stream Flow: 141.00 CFS

It is hereby certified that STATE OF IDAHO
IDAHO WATER RESOURCE BOARD
PO BOX 83720
BOISE ID 837200098 has complied with the terms and
conditions of the permit, issued pursuant to Application for Permit dated June 15, 1992; and has
submitted Proof of Beneficial Use on August 31, 1998. A minimum stream flow for:

SOURCE

ST. MARIES RIVER

Tributary: ST. JOE RIVER

has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>MINIMUM STREAM FLOW</u>
MINIMUM INSTREAM FLOW	12/01 to 07/31	141.00 CFS
MINIMUM INSTREAM FLOW	08/01 to 11/30	65.00 CFS

MINIMUM STREAM FLOW REACH:

Beginning of Reach SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6, Twp 42N, Rge 02E, B.M. SHOSHONE County
Ending of Reach SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 33, Twp 45N, Rge 02W, B.M. BENEWAH County

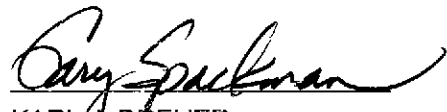
CONDITIONS OF APPROVAL

1. Use of water under this right shall be non-consumptive.
2. Upon further finding and order of the director that gauging stations are required to maintain the approved minimum flows under this right, such measuring devices shall be permanently installed and maintained as specified by the director.
3. The Idaho Water Resource Board, upon receiving a request, or upon its own initiative, may petition the Director for an amendment to this water right. The petition must set forth any significant change in circumstances and evidence of the public interest supporting the proposed amendment. The Director will notify the general public and specific persons or notify interested parties of the proposed change, and conduct a hearing for the purpose of determining whether the water right should be amended in the public interest. The burden of proof at the hearing shall be upon the person or parties seeking the amendment to establish that the amendment of this water right would be in the public interest.
4. This minimum stream flow begins at the confluence of the West and Middle Forks of the St. Maries River in the SWSWNE, S6, T42N, R2E and ends 26 miles downstream at the confluence with John Creek in the SENENW, S33, T45N, R2W.
5. This minimum stream flow is for the protection of fish and wildlife habitat, aquatic life and recreational values.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed and sealed this 16th day of July, 2001.

MICROFILMED

for: 
KARL DREYER
Director

OCT 12 2001

RECEIVED

AUG 31 1998

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Department of Water Resources

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 92-07200 Telephone No. 208-327-7900

2. Name(s) of Permit Holder(s): IDAHO WATER RESOURCE BOARD

3. Mailing Address: P.O. Box 83720, Boise ID 83720-0098

4. Source of Water: St. Maries River If **GROUNDWATER** (well), Date Drilled: mo. _____ / yr. _____

a. Well Driller: _____ Drilling Permit Number: _____ - _____ - _____ - _____

b. **OPTIONAL:**
Pump Horsepower: _____ Pressure (psi): _____ Dynamic pumping level (ft): _____

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): _____ Stockwater (No. and type of stock): _____

Irrigation (No. of acres): _____ Other: Minimum Instream Flow

6. Total rate of diversion and/or volume for which proof is submitted: 141 cfs OR _____ acre feet

7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)

(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required? Yes _____ or No X

Has the measuring device been installed? Yes _____ or No X

Flow Measurement Port: Is a flow measurement port required? Yes _____ or No X

Has the measurement port been installed? Yes _____ or No X

8. Fee Enclosed: \$ N/A (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: _____ Telephone Number: _____

Address: _____

MICROFILMED

OCT 28 1998

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: Karen Pan Date: 8/28/98
(include your title, if on behalf of company or organization)

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 92-07200

Proposed Priority: June 15, 1992

Maximum Diversion Rate:

141.00 CFS

This is to certify, that **STATE OF IDAHO**

IDAHO WATER RESOURCE BOARD

STATEHOUSE

BOISE ID 83720

has applied for a permit to appropriate water from:

ST MARIES RIVER

tributary of **ST JOE RIVER**

and a permit is **APPROVED** for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
MINIMUM INSTREAM FLOW	12/01 to 07/31	141.00 CFS
MINIMUM INSTREAM FLOW	08/01 to 11/30	65.00 CFS
	Totals	141.00 CFS

LOCATION OF POINT(S) OF DIVERSION:

Beginning of Stream Flow Reach

SWSWNE , Sec. 6, Township 42N, Range 02E
SHOSHONE County

End of Stream Flow Reach

SENENW , Sec. 33, Township 45N, Range 02W
BENEWAH County

PLACE OF USE: See Remarks

CONDITIONS OF APPROVAL AND REMARKS

1. See Final Order for conditions and limitations for use of water under this approval.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the signature of the Director, affixed at Boise, this

11th day of December, 1997.

Karl J. Dreher
for Karl J. Dreher, Director

MICROFILMED
JUN 12 1998

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATIONS FOR)
PERMIT NOS. 91-07122 AND 92-07200)
IN THE NAME OF THE IDAHO WATER)
RESOURCE BOARD)
_____)

FINAL ORDER

On June 15, 1992, the Idaho Water Resource Board (Board) filed the above captioned applications for permit with the Department of Water Resources (department) seeking to establish minimum stream flows on the St. Joe River and St. Maries River. The applications were filed pursuant to Chapter 15, Title 42, Idaho Code.

The department provided notice of the applications describing the proposed appropriations and setting the time and place for hearing on the applications. Notice was published on June 19 and 26, 1997 in the Bonner County Daily Bee, Sandpoint, Idaho, the Shoshone County News Press, Kellogg, Idaho, and on June 18 and 25, 1997 in the Priest River Times, Priest River, Idaho and in the St. Maries Gazette Record, St. Maries, Idaho. Statewide notice of the applications was also published on June 19 and 26, 1997 in the Lewiston Morning Tribune, Lewiston, Idaho, The Times News, Twin Falls, Idaho, The Post Register, Idaho Falls, Idaho and in the Idaho Statesman, Boise, Idaho.

On July 16 and 17, 1997, the department conducted public hearings in Sandpoint, Idaho and St. Maries, Idaho for the purpose of eliciting testimony regarding the applications.

Parties appearing in a formal capacity at the hearings included John Beal for the Idaho Water Resource Board, Cindy Robertson for the Idaho Department of Fish and Game, Bob Schloss for the Corps of Engineers, Bob Dunnagan for Trout Unlimited, Marti Bridges for Idaho Rivers United and Steven A. Fry for Washington Water Power. Public witnesses who testified in the matter included John Bentley and Buell Hollister.

On August 28, 1997, the hearing officer for the department issued a Recommended Order in connection with the above captioned matter. None of the parties filed a petition for reconsideration, briefs or exceptions in connection with the Recommended Order. Based upon his understanding of the law and the facts in this matter, the Director makes the following Findings of Fact, Conclusions of Law and Final Order:

FINDINGS OF FACT:

1. Application for Permit No. 91-07122 seeks a minimum flow of 941 cubic feet per second (cfs) from November 1 to July 31, and 470 cfs from August 1 to October 31 of the water of the St. Joe River tributary to Coeur d'Alene Lake. The thirty-six (36) mile reach for the minimum flow begins at a point in NE1/4NE1/4NW1/4 Sec. 13, T45N, R3E, B.M. at the confluence of the St. Joe River with Marble Creek and ends at the confluence of St. Joe River with the St. Maries River in SE1/4NE1/4SW1/4 Sec. 23, T46N, R2W, B.M. The purpose of the application is to protect fish and wildlife habitat, aquatic life and recreational values. (Note: The "1/4" designations will be omitted from subsequent legal descriptions in this order).

2. Application for Permit No. 92-07200 seeks a minimum flow of 141 cfs from December 1 to July 31 and 65 cfs from August 1 to November 30 of the water of the St. Maries River tributary to St. Joe River. The twenty-six (26) mile reach for the minimum flow begins at a point in the SWSWNE Section 6, T42N, R2E, B.M. at the confluence of the West and Middle Forks of the St. Maries River and ends at the confluence with John Creek in the SENENW Section 33, T45N, R2W, B.M.

3. Exhibits offered and accepted as a part of the record include the following:

a. Applicant's Exhibit 1 - Graph of average monthly flows, Flow Duration Curves, and Summary Hydrograph for St. Maries River.

b. Applicant's Exhibit 2 - Listing of St. Maries River Water Rights.

c. Applicant's Exhibit 3 - Graph of average monthly flows, Flow Duration Curves, and Summary Hydrograph for St. Joe River.

d. Applicant's Exhibit 4 - Listing of St. Joe River Water Rights.

e. IDFG Exhibit 1 - Table 1 - Instream Flow Regimens for Fish, Wildlife, Recreation and Related Environmental Resources.

f. IDFG Exhibit 2 - Graph titled Species Composition Electrofishing for St. Joe River and St. Maries River.

g. IDFG Exhibit 3 - Graph titled Species Composition Gillnetting for St. Joe River.

h. IDFG Exhibit 4 - St. Joe River Harvest data.

- i. IDFG Exhibit 5 - St. Maries River Harvest data.
 - j. IDFG Exhibit 6 - St. Joe River Management data.
 - k. IDFG Exhibit 7 - St. Maries River Management data.
 - l. IDFG Exhibit 8 - Fishery Research report, Project P-73-R-10, dated July 1988.
4. Flows in the sources for the applications have been measured as follows:
- a. 91-07122 - St. Joe River
 - Average Annual Flow = 2,353 cfs.
 - The requested flow of 941 cfs is equalled or exceeded about 67% of the time during the November 1 to July 31 period.
 - The requested flow of 470 cfs is equalled or exceeded about 52% of the time during the August 1 to October 31 period.
 - b. 92-07200 - St. Maries River
 - Average Annual Flow = 353 cfs.
 - The requested flow of 65 cfs is equalled or exceeded about 73% of the time during the December 1 to July 31 period.
 - The requested flow of 141 cfs is equalled or exceeded about 52% of the time during the August 1 to November 30 period.
5. All rights acquired under application Nos. 91-07122 and 92-07200 are for instream non-consumptive use and are subject to all vested water rights, permits or applications for permit having dates of priority earlier than June 15, 1992.
6. The parties supported the minimum stream flow applications. There was no opposition to the approval of the applications.

CONCLUSIONS OF LAW:

1. Chapter 15, Title 42, Idaho Code, provides that stream flow preservation for the protection of fish and wildlife habitat, aquatic life, recreation, aesthetic beauty, navigation and water quality, when made pursuant to this statute, is in the public interest and is declared to be a beneficial use of such water.

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JUN 12 1998

2. The proposed minimum stream flows will not interfere with any vested water right, permit, or application for permit having a priority date earlier than June 15, 1992.

3. The flows requested in the applications are the minimum flows required to preserve the existing unique characteristics of the streams for the public benefit, and are not the ideal or most desirable flows which could be utilized for those purposes.

4. The proposed minimum stream flows are in the public, as opposed to private, interest.

5. The minimum stream flows proposed by the applications are necessary to fish and wildlife habitat, aquatic life and recreational values.

6. The proposed minimum stream flows as approved in this final order are generally capable of being maintained.

7. The department should approve the applications with certain conditions and limitations.

ORDER:

IT IS, THEREFORE, HEREBY ORDERED That Application for Permit Nos. 91-07122 and 92-07200 in the name of the Idaho Water Resource Board are **APPROVED** subject to the following conditions and limitations as follows:

1. The use of water under the permits is subject to all prior water rights.

2. The use of water under the permits shall be non-consumptive.

3. Upon the future finding and order of the Director that gaging stations are required to maintain the approved minimum stream flows, the right holder shall permanently install and maintain gaging stations as specified by the department.

4. The Director retains jurisdiction, as described below, to review and amend any and all parameters of these rights. The Board, upon receiving a request, or upon its own initiative, may petition the Director for an amendment to the right. The petition must set forth any significant change in circumstances and evidence of the public interest supporting the proposed amendment. The Director will notify the general public and specific persons or known interested parties of the proposed change, and conduct a hearing for the purpose of determining whether the right should be amended in the public interest. The burden of proof at the hearing shall be upon the persons or parties seeking the amendment to establish that the amendment of the right would be in the public

interest.

5. The applications hereby approved by the Director shall be submitted to the Idaho Legislature by the fifth day of the next regular legislative session and the Director's approval shall not become finally effective until approved by the legislature pursuant to provisions of Section 42-1503, Idaho Code.

6. Proof of instream beneficial use of the minimum flows appropriated shall be submitted in a manner approved by the Department on or before **October 1, 2002**.

7. This minimum stream flow is for the protection of fish and wildlife habitat, aquatic life and recreational values.

Dated this 11th day of December, 1997.



KARL J. DREHER
Director

CERTIFICATE OF SERVICE

I DO HEREBY CERTIFY that on the 12th day of December, 1997, the above and foregoing document was served upon the following, via certified mail, by placing a copy of the same in the United States Mail, postage prepaid and properly addressed to the following:

HAND DELIVERED

JOHN BEAL
IDWR
PO BOX 83720
BOISE ID 83720-0098

BOB SCHLOSS
CORPS OF ENGINEERS
ALBANY FALLS DAM PROJECT
2376 E HWY 2
OLDTOWN ID 83822

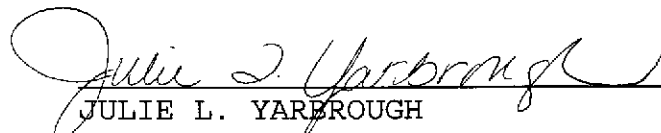
CERTIFIED MAIL

CINDY ROBERTSON
DEPT OF FISH AND GAME
PO BOX 25
BOISE ID 83707

BOB DUNNAGAN
TROUT UNLIMITED
361 EVERGREEN RD
SANDPOINT ID 83862

MARTI BRIDGES
IDAHO RIVERS UNITED
PO BOX 633
BOISE ID 83701

STEVEN A FRY
WASHINGTON WATER POWER
PO BOX 3727
SPOKANE WA 99220-3727


JULIE L. YARBROUGH
Senior Secretary, Water Allocation Bureau

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATIONS FOR)
PERMIT NOS. 91-07122 AND 92-07200)
IN THE NAME OF THE IDAHO WATER)
RESOURCE BOARD)
_____)

RECOMMENDED ORDER

On June 15, 1992, the Idaho Water Resource Board (Board) filed the above captioned applications for permit with the Department of Water Resources (department) seeking to establish minimum stream flows on the St. Joe River and St. Maries River. The applications were filed pursuant to Chapter 15, Title 42, Idaho Code.

The department provided notice of the applications describing the proposed appropriations and setting the time and place for hearing on the applications. Notice was published on June 19 and 26, 1997 in the Bonner County Daily Bee, Sandpoint, Idaho, the Shoshone County News Press, Kellogg, Idaho, and on June 18 and 25, 1997 in the Priest River Times, Priest River, Idaho and in the St. Maries Gazette Record, St. Maries, Idaho. Statewide notice of the applications was also published on June 19 and 26, 1997 in the Lewiston Morning Tribune, Lewiston, Idaho, The Times News, Twin Falls, Idaho, The Post Register, Idaho Falls, Idaho and in the Idaho Statesman, Boise, Idaho.

On July 16 and 17, 1997, the department conducted public hearings in Sandpoint, Idaho and St. Maries, Idaho for the purpose of eliciting testimony regarding the applications.

Parties appearing in a formal capacity at the hearings included John Beal for the Idaho Water Resource Board, Cindy Robertson for the Idaho Department of Fish and Game, Bob Schloss for the Corps of Engineers, Bob Dunnagan for Trout Unlimited and Steven A. Fry for Washington Water Power. Public witnesses who testified in the matter included John Bentley and Buell Hollister.

Based upon his understanding of the law and the facts in this matter, the hearing officer recommends the following Findings of Fact, Conclusions of Law and Order:

FINDINGS OF FACT:

1. Application for Permit No. 91-07122 seeks a minimum flow of 941 cubic feet per second (cfs) from November 1 to July 31, and 470 cfs from August 1 to October 31 of the water of the St. Joe

River tributary to Coeur d'Alene Lake. The thirty-six (36) mile reach for the minimum flow begins at a point in NE1/4NE1/4NW1/4 Sec. 13, T45N, R3E, B.M. at the confluence of the St. Joe River with Marble Creek and ends at the confluence of St. Joe River with the St. Maries River in SE1/4NE1/4SW1/4 Sec. 23, T46N, R2W, B.M. The purpose of the application is to protect fish and wildlife habitat, aquatic life and recreational values. (Note: The "1/4" designations will be omitted from subsequent legal descriptions in this order).

2. Application for Permit No. 92-07200 seeks a minimum flow of 141 cfs from December 1 to July 31 and 65 cfs from August 1 to November 30 of the water of the St. Maries River tributary to St. Joe River. The twenty-six (26) mile reach for the minimum flow begins at a point in the SWSWNE Section 6, T42N, R2E, B.M. at the confluence of the West and Middle Forks of the St. Maries River and ends at the confluence with John Creek in the SENENW Section 33, T45N, R2W, B.M.

3. Exhibits offered and accepted as a part of the record include the following:

- a. Applicant's Exhibit 1 - Graph of average monthly flows, Flow Duration Curves, and Summary Hydrograph for St. Maries River.
- b. Applicant's Exhibit 2 - Listing of St. Maries River Water Rights.
- c. Applicant's Exhibit 3 - Graph of average monthly flows, Flow Duration Curves, and Summary Hydrograph for St. Joe River.
- d. Applicant's Exhibit 4 - Listing of St. Joe River Water Rights.
- e. IDFG Exhibit 1 - Table 1 - Instream Flow Regimens for Fish, Wildlife, Recreation and Related Environmental Resources.
- f. IDFG Exhibit 2 - Graph titled Species Composition Electrofishing for St. Joe River and St. Maries River.
- g. IDFG Exhibit 3 - Graph titled Species Composition Gillnetting for St. Joe River.
- h. IDFG Exhibit 4 - St. Joe River Harvest data.
- i. IDFG Exhibit 5 - St. Maries River Harvest data.
- j. IDFG Exhibit 6 - St. Joe River Management data.

k. IDFG Exhibit 7 - St. Maries River Management data.

l. IDFG Exhibit 8 - Fishery Research report, Project P-73-R-10, dated July 1988.

4. Flows in the sources for the applications have been measured as follows:

a. 91-07122 - St. Joe River

- Average Annual Flow = 2,353 cfs.

- The requested flow of 941 cfs is equalled or exceeded about 67% of the time during the November 1 to July 31 period.

- The requested flow of 470 cfs is equalled or exceeded about 52% of the time during the August 1 to October 31 period.

b. 92-07200 - St. Maries River

- Average Annual Flow = 353 cfs.

- The requested flow of 65 cfs is equalled or exceeded about 73% of the time during the December 1 to July 31 period.

- The requested flow of 141 cfs is equalled or exceeded about 52% of the time during the August 1 to November 30 period.

5. All rights acquired under application Nos. 91-07122 and 92-07200 are for instream non-consumptive use and are subject to all vested water rights, permits or applications for permit having dates of priority earlier than June 15, 1992.

6. The parties supported the minimum stream flow applications. There was no opposition to the approval of the applications.

CONCLUSIONS OF LAW:

1. Chapter 15, Title 42, Idaho Code, provides that stream flow preservation for the protection of fish and wildlife habitat, aquatic life, recreation, aesthetic beauty, navigation and water quality, when made pursuant to this statute, is in the public interest and is declared to be a beneficial use of such water.

2. The proposed minimum stream flows will not interfere with any vested water right, permit, or application for permit having a priority date earlier than June 15, 1992.

ORDER - Pg 3

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JUN 12 1998

3. The flows requested in the applications are the minimum flows required to preserve the existing unique characteristics of the streams for the public benefit, and are not the ideal or most desirable flows which could be utilized for those purposes.

4. The proposed minimum stream flows are in the public, as opposed to private, interest.

5. The minimum stream flows proposed by the applications are necessary to fish and wildlife habitat, aquatic life and recreational values.

6. The proposed minimum stream flows as approved in this recommended order are generally capable of being maintained.

7. The department should approve the applications with certain conditions and limitations.

ORDER:

IT IS, THEREFORE, HEREBY ORDERED That Application for Permit Nos. 91-07122 and 92-07200 in the name of the Idaho Water Resource Board are **APPROVED** subject to the following conditions and limitations as follows:

1. The use of water under the permits is subject to all prior water rights.

2. The use of water under the permits shall be non-consumptive.

3. Upon the future finding and order of the Director that gaging stations are required to maintain the approved minimum stream flows, the right holder shall permanently install and maintain gaging stations as specified by the department.

4. The Director retains jurisdiction, as described below, to review and amend any and all parameters of these rights. The Board, upon receiving a request, or upon its own initiative, may petition the Director for an amendment to the right. The petition must set forth any significant change in circumstances and evidence of the public interest supporting the proposed amendment. The Director will notify the general public and specific persons or known interested parties of the proposed change, and conduct a hearing for the purpose of determining whether the right should be amended in the public interest. The burden of proof at the hearing shall be upon the persons or parties seeking the amendment to establish that the amendment of the right would be in the public interest.

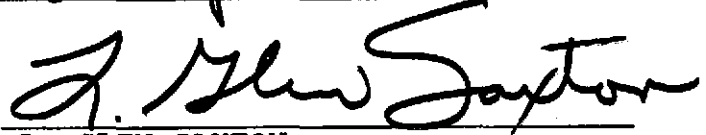
5. The applications hereby approved by the Director shall be submitted to the Idaho Legislature by the fifth day of the next

regular legislative session and the Director's approval shall not become finally effective until approved by the legislature pursuant to provisions of Section 42-1503, Idaho Code.

6. Proof of instream beneficial use of the minimum flows appropriated shall be submitted in a manner approved by the Department on or before the date in the Final Order.

7. This minimum stream flow is for the protection of fish and wildlife habitat, aquatic life and recreational values.

Dated this 27th day of August, 1997.



L. GLEN SAXTON
Hearing Officer

CERTIFICATE OF MAILING

I HEREBY CERTIFY that on the 28th day of August, 1997, a true and correct copy of the foregoing **RECOMMENDED ORDER** was forwarded, by regular U.S. Mail, to the parties listed:

John Beal
IDWR
PO Box 83720
Boise ID 83720-0098

Bob Schloss
Corps of Engineers
Albany Falls Dam Project
2376 E HWY 2
Oldtown ID 83822

Cindy Robertson
Dept of Fish and Game
PO Box 25
Boise ID 83707

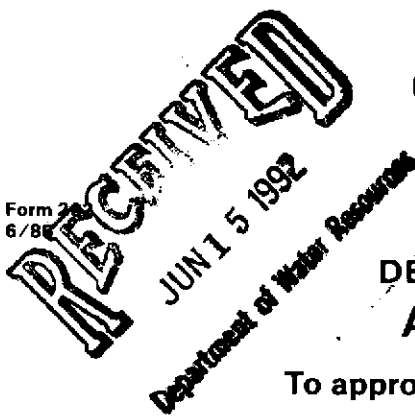
Bob Dunnagan
Trout Unlimited
361 Evergreen Rd
Sandpoint ID 83862

Marti Bridges
Idaho Rivers United
PO Box 633
Boise ID 83701

Steven A Fry
Washington Water Power
PO Box 3727
Spokane WA 99220-3727



JULIE L. YARBROUGH
Senior Secretary, Water Allocation Bureau



Ident. No. 92-7208

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant Idaho Water Resource Board Phone 327-7910

Post office address Statehouse, Boise, ID 83720

2. Source of water supply St. Maries River which is a tributary of St. Joe River
Instream flow downstream from the confluence of the West and Middle Forks of the
St. Maries River in the

3. Location of point of diversion is SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of NE $\frac{1}{4}$, Govt. Lot _____

Sec. 6 Township 42N Range 2E B.M. Shoshone County; additional
to the confluence of John Creek

points of diversion if any: in the SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 33, T45N, R2W, B.M., Benewah
County.

4. Water will be used for the following purposes:

Amount 141 cfs for instream purposes from December 1 to July 31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount 65 for instream purposes from August 1 to Nov. 30 (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated is (a) 141 and/or (b) _____
cubic feet per second acre feet per annum

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. _____

None

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total
reservoir capacity _____ acre-feet; period of year when water will be diverted to storage:
_____ to _____ inclusive.

c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.

d. Is ground water with a temperature of greater than 90°F being sought? _____

7. Time required for the completion of the works and application of the water to the proposed beneficial use is
5 years (minimum 1 year).

MICROFILMED
JUN 12 1998

~~CONFIDENTIAL~~

applicant to make this filing.

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the

b. Who owns the land to be irrigated or place of use?

11. a. Who owns the property at the point of diversion?

10. Describe any other water rights used for the same purposes as described above.

Total number of acres to be irrigated.

[illegible]

ponding place of use below. See instructions for standard symbols.

b. If water is used for other purposes, place a symbol of the use (example: *D for Domestic*) in the corresponding column.

a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

9. Description of place of use:

habitat, aquatic life, and recreational values.

e. Other, describe fully, A minimum streamflow for the protection of fish and wildlife

d. Domestic; show number of households.

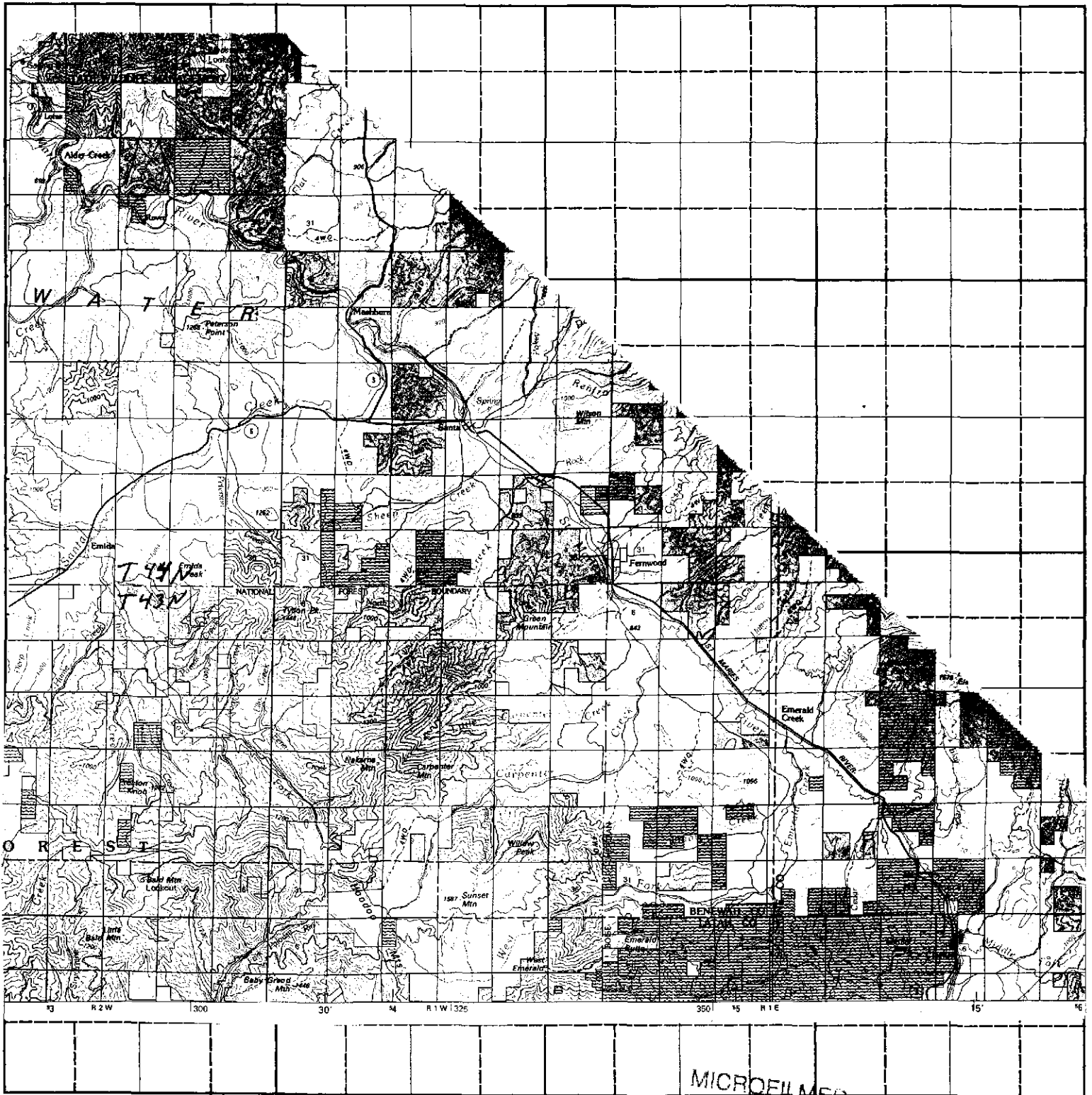
c. Municipal; show name of municipality.

b. Stockwatering; list number and kind of livestock.

a. Hydropower; show total feet of head and proposed capacity in kW.

8. Description of proposed uses (if irrigation only, go to item 9):

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

William S. Platt
(Applicant)

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e. Other:

- d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.
- c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

_____, 19____

- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before
- a. SUBJECT TO ALL PRIOR WATER RIGHTS.

1. Approval of said application is subject to the following limitations and conditions:

Idaho No. _____, and said application is hereby _____

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

Received by WLB Date 6-15-92 Time 11:45 am Preliminary check by _____

Fee \$ _____ Received by _____ # _____ Date _____

Publication prepared by _____ Date _____ Published in _____

Publication approved _____ Date _____

ATTACHMENT TO APPLICATION FOR PERMIT
TO APPROPRIATE A MINIMUM STREAM FLOW

14. Provide evidence that the appropriation will not interfere with any vested water right, permit, or water right application of earlier date of priority.

The appropriation is junior to rights, permits, or applications with earlier dates of priority.

As a nonconsumptive, instream use this appropriation can have no impact on any water user
downstream except to help insure water availability.

15. Provide evidence to show that the appropriation would be in the public interest as opposed to private interest.

The appropriation will be held by the Water Resource Board rather than a private entity.

The appropriated water will preserve river values for the benefit and enjoyment of
all citizens of the state.

16. Provide evidence or justification that the appropriation is necessary for the purposes shown in Item 4.

The appropriation is for 40% of the mean annual flow for the period of December through July.

The request for the rest of the year is for the average monthly flow for August, the lowest
month for the period of record. This flow is close to 18% of the mean annual flow. These flows
will provide a "good" minimum flow for fish and wildlife habitat, aquatic life, and recreational
values from April through July.

17. Provide evidence that the minimum flow or lake level is minimum and not the ideal or most desirable flow or lake level.

The requested flows are based on the Montana Method which utilizes field studies to identify
riverine conditions at varying flow rates. The optimum flow for fish, wildlife, recreation and
related environmental resources ranges from 60% to 100% of the mean flow value.

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18. Provide evidence that the flow or lake level requested is capable of being maintained as evidenced by records of stream flows and water levels.

A flow of 141 cfs is less than the average monthly flow for the requested period of use. The flow of 65 cfs is the lowest average monthly flow of the year for the period of record.

19. Describe the location of existing gaging stations that can be used in the administration of this appropriation.

The requested flow is based upon records from the Santa station in Sec. 8, T44N, R1W, 450 feet upstream from the State Highway 3 Bridge.

20. Do you intend to install additional gaging stations? Describe the location.

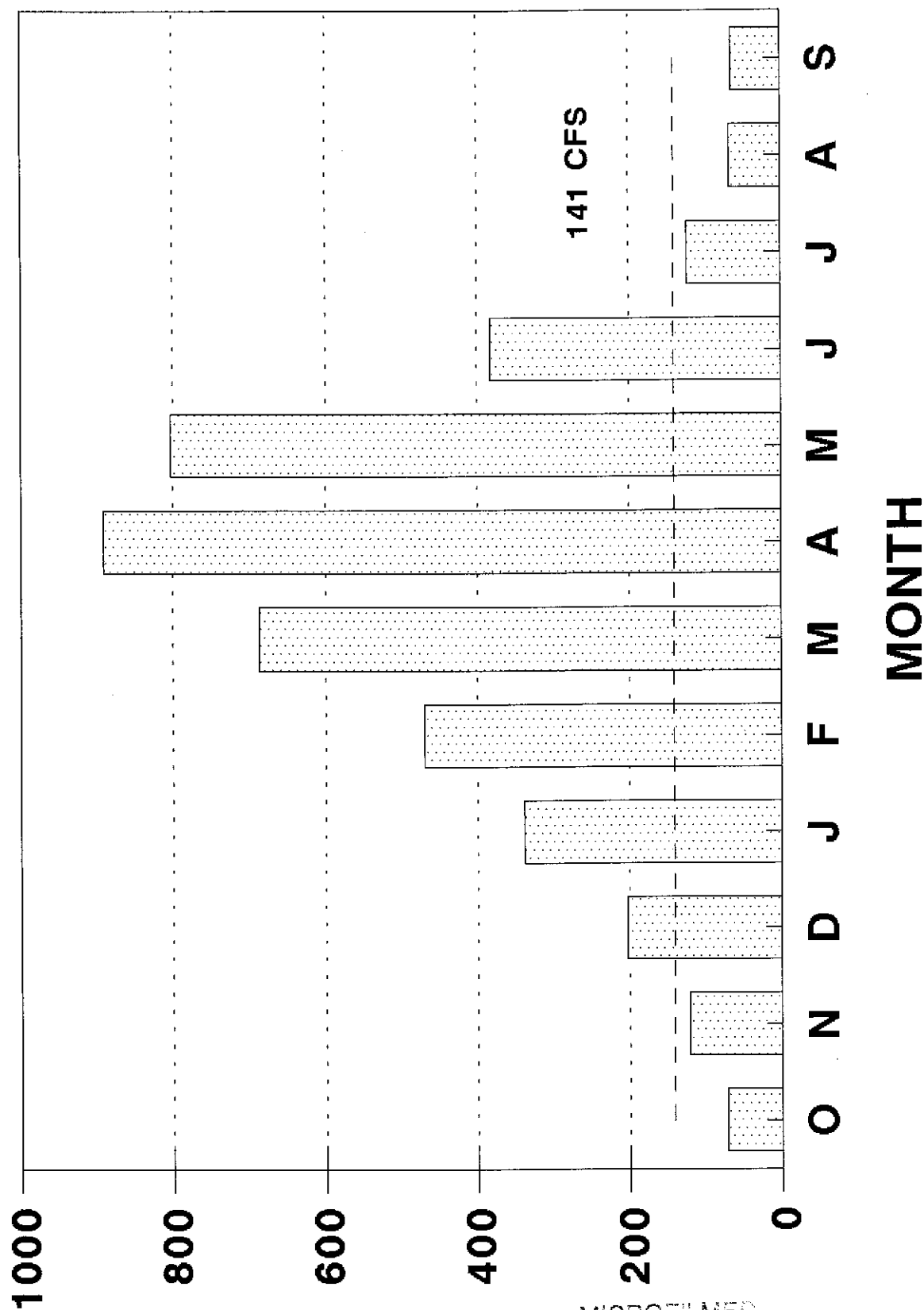
No

21. List any additional remarks related to this minimum stream flow application.

The flow request provides a "good" minimum flow for April to July, a "fair to poor" flow for August to September, a "good to fair" flow for October and November, and an "outstanding" flow for December to March. A discontinued gage at Lotus, approximately 2 miles downstream of the confluence with John Creek indicates that the average annual flow increases by approximately 160 cfs from Santa to Lotus. This should be considered in the approval of any new consumptive uses downstream of the Santa gage. Following consultation with the Division of Environmental Quality and Departments of Fish & Game and Parks & Recreation, the Water Resource Board may amend this application to more accurately reflect the necessary minimum flow based on new data provided by the above or other agencies.

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JUN 12 1996

ST. MARIES RIVER NR SANTA (1966-90)



Average Annual Flow = 353 CFS

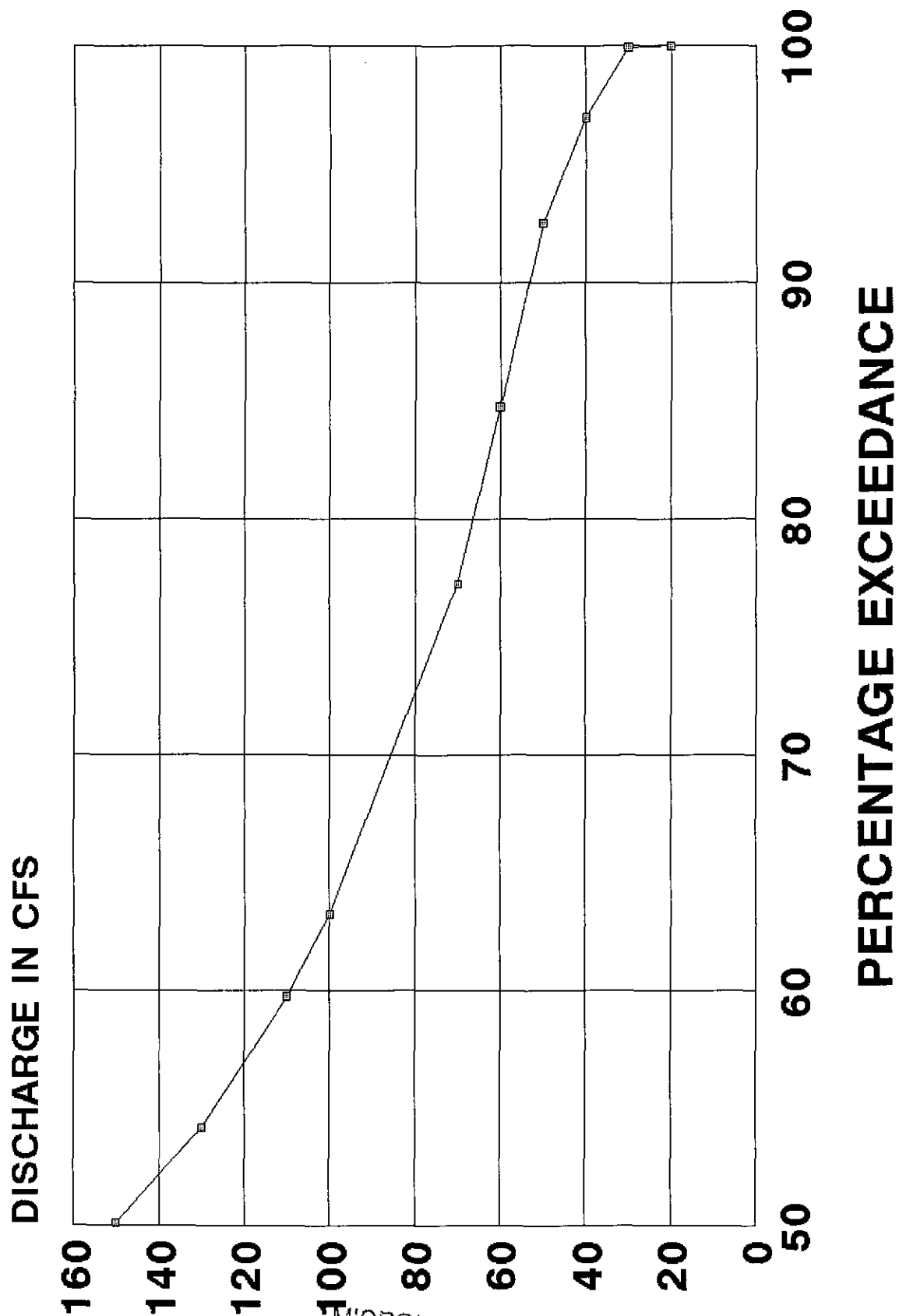
 Average Monthly Flow
  Instream Flow

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JUN 12 1998

FLOW DURATION CURVE

ST. MARIES RIVER NR SANTA



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JUN 12 1998

12414900

FLOW DURATION TABLE FOR STATION 12414900

[illegible]

JUN 12 1996

Table 1

Instream Flow Regimens for Fish, Wildlife, Recreation and Related
Environmental Resources

Narrative Description of Flows ^{1/}	Fisheries Classification ^{2/}	Recommended Base Flow Regimens	
		Oct.-Mar.	: Apr.-Sept.
Flushing or Maximum	--	200% of the average flow ^{3/}	
Optimum Range	--	60%-100% of the average flow ^{4/}	
Outstanding	I	40%	60%
Excellent	II	30%	50%
Good	III	20%	40%
Fair or Degrading	IV	10%	30%
Poor or Minimum	--	10%	10%
Severe Degradation	--	10% of average flow to zero flow	

^{1/}Most appropriate description of the general condition of the streamflow for all the parameters listed in the title of this paper.

^{2/}Roman numeral ratings for Fisheries Classification Systems like those developed for the States of Idaho, Montana, West Virginia, Wyoming, and the Delaware River Basin Comprehensive Study by the U.S. Fish and Wildlife Service. 5, 11, 14, 19, 26 The base flow regimens outlined above in columns 3 and 4 to maintain the respective designated classes, are judged to be as reliable and valid as the classification systems themselves. These recommended flows generally apply very well to both cold and warm water streams. Regimens should be reversed or altered to fit different hydrologic cycles, like the Salmonid streams on the West Coast, or to favor species like the fall spawning brown trout. Flows may be refined further by specifically matching them to vital periods of the life cycle of fishes, like migration, spawning, incubation, growth, etc. Use of the Montana Method on spring creeks or streams that have a very uniform flow year-around may provide unprecedented low-flow regimens at the minimum or base flow levels.

^{3/}The average flow will usually fill the active stream channel approximately 1/3 full or to the line of permanent terrestrial vegetation, while 3 times the average flow will often fill the active channel approximately to the point of spilling out on the first bench of the flood plain.¹⁵ Twice the average flow will produce effective depths and velocities within the stream channel for moving silt, sediment and other bed load material without doing extensive damage to the banks and riparian vegetation. Twice the average flow is a good maximum flow recommendation as well as a good flushing flow (Fig. 1).

^{4/}Optimum is a nebulous term; however, this flow range covers that definition best for all the parameters of this paper collectively.

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JUL 12 1978



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

July 17, 2001

STATE OF IDAHO
IDAHO WATER RESOURCE BOARD
PO BOX 83720
BOISE ID 83720-0098

RE: License No. 92-7200 - Issuance of License

Dear Water Right Holder(s):

The Department of Water Resources has issued the enclosed Water Right License confirming that a water right has been established in accordance with your permit. Please be sure to thoroughly review the conditions of approval and remarks listed on your license.

The license is a PRELIMINARY ORDER issued by the Department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

Please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at 208-327-7946.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SWK:kit

Enclosure(s)

MICROFILMED
OCT 12 2001

CERTIFICATE OF MAILING

HAND DELIVERED
I hereby certify that on July 17, 2001 I ~~mailed~~ *ret* a true and correct copy, ~~postage~~ *ret* ~~ret~~ ~~prepaid~~ of the foregoing PRELIMINARY ORDER (Approved License) to the person(s) listed below:

RE: WATER RIGHT NO. 92-7200

**STATE OF IDAHO
IDAHO WATER RESOURCE BOARD
PO BOX 83720
BOISE ID 83720-0098**


**Kari Lynn Townsend
Secretary**

MICROFILMED

OCT 12 2001

**EXPLANATORY INFORMATION
TO ACCOMPANY A
PRELIMINARY ORDER**

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department of Water Resources (department) unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department 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 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the department or the Idaho Water Resource Board (Board) is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period 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 preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

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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 Director 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.

Section 67-5246(5), Idaho Code, provides as follows:

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 a petition 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.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case 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 of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

Flow Data Permit 91-7122
(From USGS Discharge Report Attached to Field Exam)

Scurtis

1993	Total	Ave.	Min Flow		
Dec	2773	89.5	141	-51.5	Flow met 58% of months
Jan	5175	166.9	141	25.9	
Feb	3255	105.0	141	-36.0	
Mar	24041	775.5	141	634.5	
Apr	28768	958.9	141	817.9	
May	25956	837.3	141	696.3	
Jun	6800	226.7	141	85.7	
Jul	6495	209.5	141	68.5	
Aug	3039	98.0	65	33.0	
Sep	1754	58.5	65	-6.5	
Oct	1772	57.2	65	-7.8	
Nov	3880	129.3	65	64.3	
1994	Total	Ave.	Min Flow		
Dec	3395	109.5	141	-31.5	Flow met 33% of months
Jan	5542	178.8	141	37.8	
Feb	2372	76.5	141	-64.5	
Mar	11569	373.2	141	232.2	
Apr	13298	443.3	141	302.3	
May	620	20.0	141	-121.0	
Jun	3406	113.5	141	-27.5	
Jul	1686	54.4	141	-86.6	
Aug	949	30.6	65	-34.4	
Sep	973	32.4	65	-32.6	
Oct	1823	58.8	65	-6.2	
Nov	2033	67.8	65	2.8	
1995	Total	Ave.	Min Flow		
Dec	8116	261.8	141	120.8	Flow met 75% of months
Jan	12602	406.5	141	265.5	
Feb	32906	1061.5	141	920.5	
Mar	27259	879.3	141	738.3	
Apr	14076	469.2	141	328.2	
May	10529	339.6	141	198.6	
Jun	6401	213.4	141	72.4	
Jul	3348	108.0	141	-33.0	
Aug	2112	68.1	65	3.1	
Sep	1700	56.7	65	-8.3	
Oct	1776	57.3	65	-7.7	
Nov	3215	107.2	65	42.2	
1996	Total	Ave.	Min Flow		
Dec	22695	732.1	141	591.1	Flow met 75% of months
Jan	19784	638.2	141	497.2	
Feb	56138	1810.9	141	1669.9	
Mar	19077	615.4	141	474.4	
Apr	38938	1297.9	141	1156.9	
May	24465	789.2	141	648.2	
Jun	7924	264.1	141	123.1	
Jul	3033	97.8	141	-43.2	
Aug	1897	61.2	65	-3.8	
Sep	1666	55.5	65	-9.5	
Oct	3619	116.7	65	51.7	
Nov	12675	422.5	65	357.5	
1997	Total	Ave.	Min Flow		
Dec	10958	353.5	141	212.5	Flow met 100% of months
Jan	26091	841.6	141	700.6	
Feb	20676	667.0	141	526.0	
Mar	39894	1286.9	141	1145.9	
Apr	59290	1976.3	141	1835.3	
May	51800	1671.0	141	1530.0	
Jun	17395	579.8	141	438.8	
Jul	7117	229.6	141	88.6	
Aug	3005	96.9	65	31.9	
Sep	2736	91.2	65	26.2	
Oct	2629	84.8	65	19.8	
Nov	4882	162.7	65	97.7	

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OCT 12 2001

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

JAN 20 1999

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 92-07200

1. Owner: Idaho Water Resource Board Phone No. (208) 337-7910

Current Address: P.O. Box 83720 Boise ID 83720-0098

2. Accompanied by: _____ EXAM DATE: 1-14-99

Address: _____ Phone No. _____

Relationship to Permit Holder: _____

3. Source: St. Maries River tributary to St. Joe River

B. OVERLAP REVIEW

1. Other water rights with the same place of use: _____

2. Other water rights with the same point of diversion: _____

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SW	NE	6	42N	2E	Shoshone	BLM 30x60' Quad./Beginning Stream Reach
			NE	NW	33	45N	2W	Beneviah	BLM 30'x60' Quad./Ending Stream Reach

2. Place(s) of Use:

Indicate Method of Determination

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

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2. Measurements: See USGS Discharge Report

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

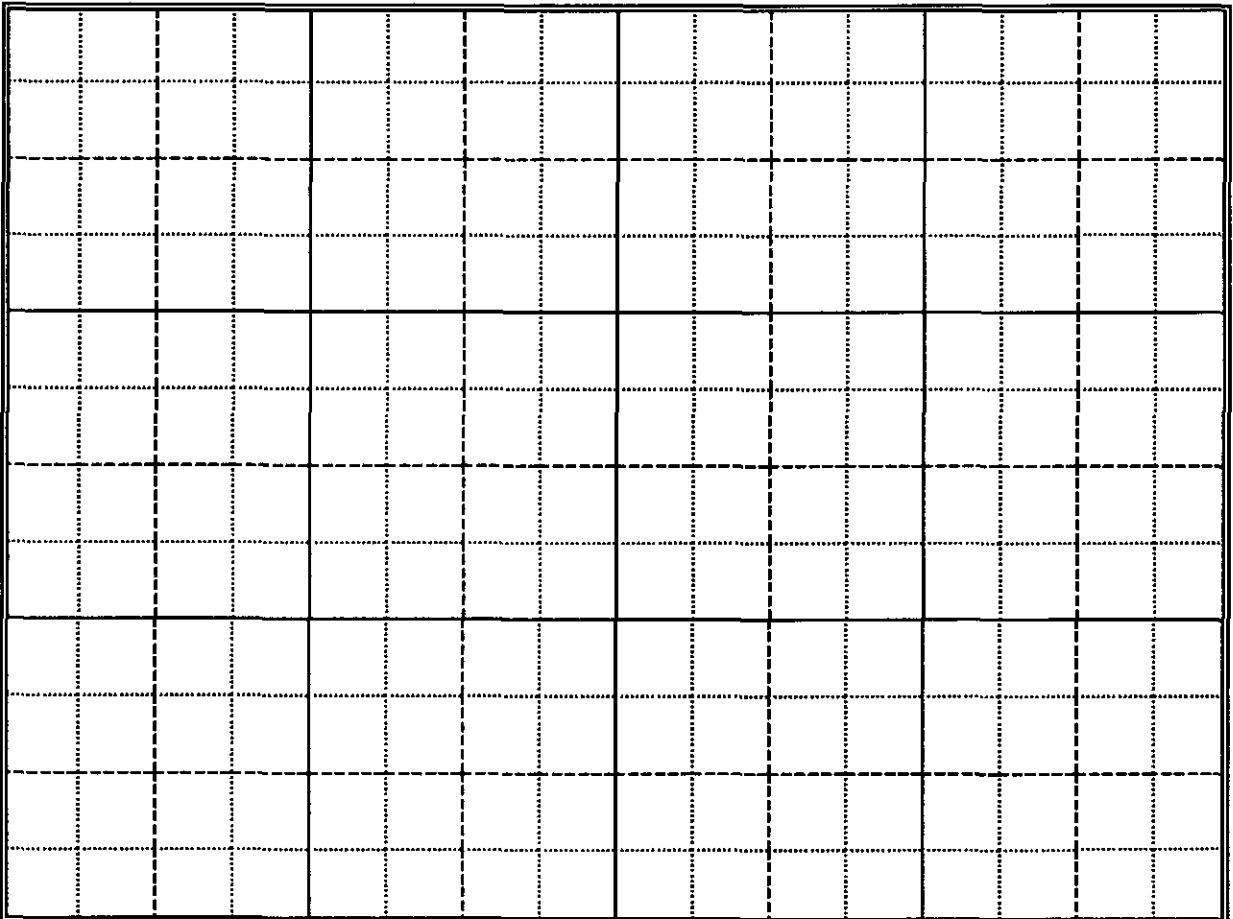
1.
D. FLOW MEASUREMENTS

*Code to correspond with No. on map and aerial photo

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

4.

Scale: 1" = _____
Copy of USGS Quadrangle Attached Showing location(s) of _____
Aerial Photo Attached _____
Photo of Diversion and System Attached _____
(required for irrigation of 10+ acres)



3. Delivery System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe I.D. as applicable.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

NO
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F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses:

$$\frac{1 \text{ cfs} = 1.9835 \text{ af/day}}{141 \text{ cfs}} \times \frac{141 \text{ cfs}}{1.9835 \text{ af/day}} = 279.67 \text{ af/day}, \quad 279.67 \text{ af/day} \times 243 \text{ days} = 67959.8 \text{ af}$$

$$\frac{1 \text{ cfs} = 1.9835 \text{ af/day}}{65 \text{ cfs}} \times \frac{65 \text{ cfs}}{1.9835 \text{ af/day}} = 128.9 \text{ af/day}, \quad 128.9 \text{ af/day} \times 122 \text{ days} = 15725.8 \text{ af}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use

Period of Use
From To

Rate of Diversion
Q (cfs)

Annual Volume
V (ata)

Minimum Instream Flow
12/01 07/31

11/30

141 cfs

67959.8

Minimum Instream Flow
08/01 11/30

65 cfs

15725.8

83685.6

2. Recommended Amendments

Change P.D. as reflected above
Change P.U. as reflected above

Add P.D. as reflected above
Add P.U. as reflected above
None
Other

I. AUTHENTICATION

Field Examiner's Name

W. A. Boyd

Date

7-14-99

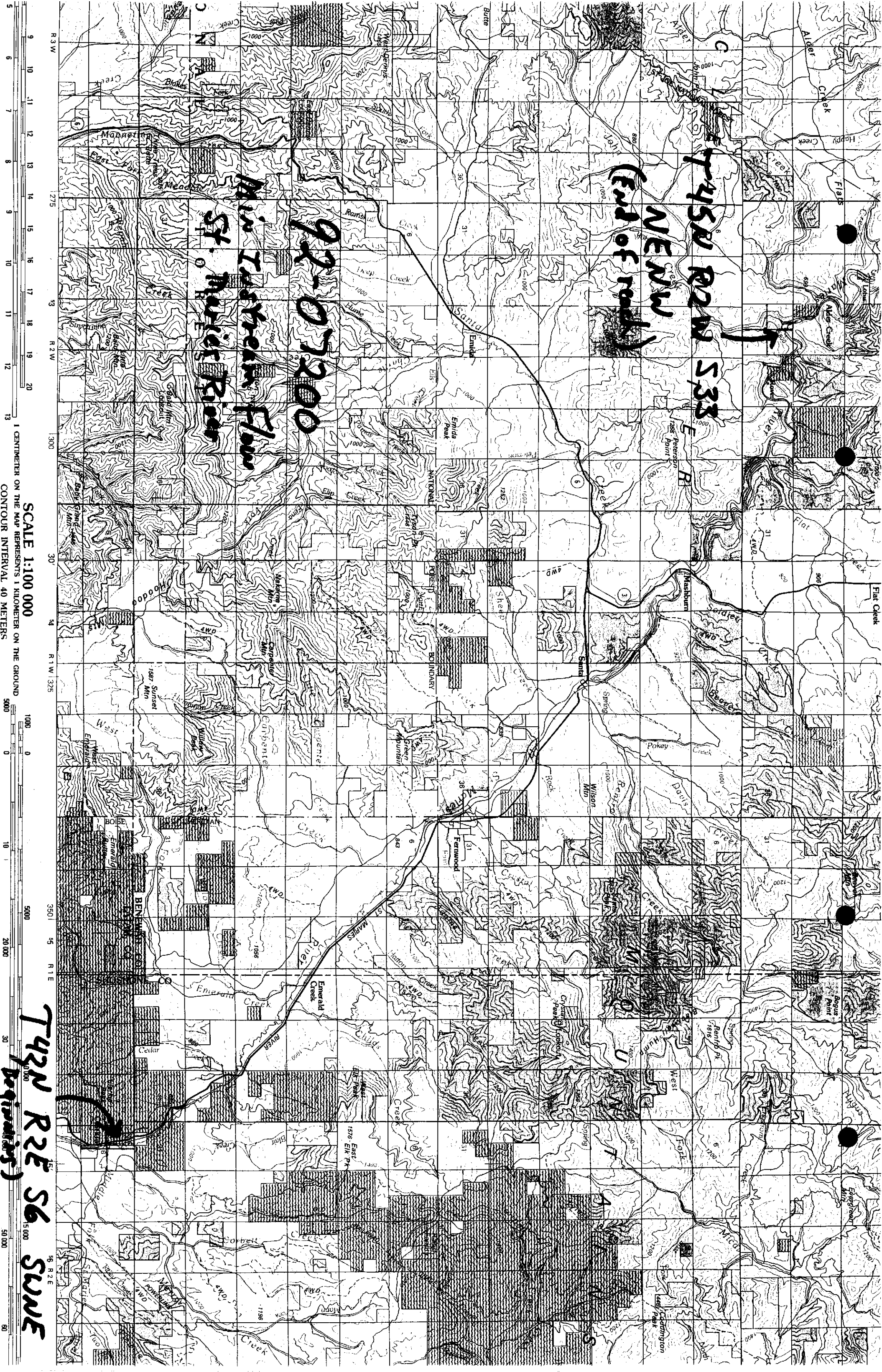
Date

Reviewer

SEAL

MICROFILMED

001 1 2 8003



4500 R2W 533E

NEW
(end of road)

92-07200

Min. Timber Flow

St. Maurice River

SCALE 1:100 000

TY2N R2E S6 SWNE

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 40 METERS

5000 0 5000 20 000 50 000

SPOKANE RIVER BASIN

12414900 ST. MARIES RIVER NEAR SANTA, ID

LOCATION.--Lat 47°10'35", long 116°29'30", in NW¼SE¼NW¼ sec.8, T.44 N., R.1 W., Benewah County, Hydrologic Unit 17010304, on right bank, 450 ft upstream from bridge on State Highway 3, 0.3 mi upstream from Santa Creek, 2.7 mi northwest of Santa, and at mile 24.6

DRAINAGE AREA.--275 mi².

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WDR 1974: 1968-70 (M). WDR 1982: 1981.

GAGE.--Water-stage recorder. Datum of gage is 2,574.56 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,300 ft³/s Feb. 9, 1996, on basis of indirect discharge measurement, gage height, 13.75 ft; minimum, 15 ft³/s Nov. 11, 1978, gage height, 3.32 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 10	2300	1,540	7.00	Feb. 19	1845	1,860	7.19
Jan. 1	0900	*5,540	*9.65	Mar. 20	2130	3,770	8.64
				Apr. 27	2345	5,340	9.54

Minimum daily, 53 ft³/s Oct. 10-12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	88	272	4660	1100	471	1150	2680	1270	520	122	81
2	54	82	246	3310	1110	498	1040	2110	1090	453	121	79
3	54	80	190	2430	885	478	1070	1780	977	359	116	83
4	54	83	129	1470	e700	427	996	1950	937	303	111	103
5	54	93	168	1040	e550	392	893	1950	907	274	108	89
6	56	87	171	813	e440	400	886	1930	834	262	107	85
7	56	94	147	682	e400	843	939	1950	762	244	104	82
8	55	92	309	630	e380	1020	977	1750	701	229	102	78
9	54	95	752	601	e380	846	968	1680	654	312	99	75
10	53	95	1030	569	e360	1080	983	1830	627	384	98	74
11	53	94	1130	562	360	934	882	2030	661	312	97	79
12	53	94	606	e400	355	895	896	2140	716	270	95	84
13	55	94	432	e380	320	759	960	2250	673	241	94	78
14	63	111	350	e360	388	658	1280	2340	608	224	93	76
15	98	125	275	e380	1030	610	1490	2280	557	210	91	97
16	98	128	230	e400	1030	923	1810	2250	527	197	90	196
17	71	129	155	e440	1060	1300	2160	2130	503	192	89	151
18	69	174	e160	e550	1090	1420	2150	1810	480	204	88	158
19	135	204	e170	698	e1500	1720	2050	1490	438	184	86	113
20	102	519	e200	613	1440	2950	3500	1340	406	186	85	96
21	82	217	e200	590	1060	3430	4020	1200	378	172	85	89
22	84	198	189	515	898	2440	2630	1110	358	163	83	84
23	104	171	175	467	779	1920	2530	e1100	336	152	81	80
24	153	140	167	426	687	1650	3450	e1100	334	146	99	78
25	210	159	165	398	645	1540	2880	1120	307	141	138	76
26	140	152	152	380	620	1780	2420	1160	286	137	97	75
27	104	144	158	276	594	2310	3640	1110	271	133	89	79
28	93	514	e200	e340	515	1970	4460	1040	260	130	86	75
29	101	390	e240	360	---	1550	3300	1050	272	127	85	72
30	116	236	e500	439	---	1370	2880	1030	265	129	84	71
31	100	---	1690	912	---	1310	---	1110	---	127	82	---
TOTAL	2629	4882	10958	26091	20676	39894	59290	51800	17395	7117	3005	2736
MEAN	84.8	163	353	842	738	1287	1976	1671	580	230	96.9	91.2
MAX	210	519	1690	4660	1500	3430	4460	2680	1270	520	138	196
MIN	53	80	129	276	320	392	882	1030	260	127	81	71
AC-FT	5240	9680	21740	51750	41010	79130	117600	102700	34500	14120	5960	5430
CFSM	.31	.59	1.29	3.06	2.69	4.68	7.19	6.08	2.11	.83	.35	.33
IN.	.36	.66	1.48	3.53	2.80	5.40	8.02	7.01	2.35	.96	.41	.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1997, BY WATER YEAR (WY)

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	72.1	139	222	352	541	694	890	763	361	127	68.8	63.5																				
MAX	132	423	732	1637	1936	2166	1976	1671	1012	230	103	91.2																				
(WY)	1969	1996	1996	1974	1996	1972	1997	1974	1997	1975	1975	1997																				
MIN	36.3	45.7	54.8	47.6	84.7	153	282	186	84.3	54.4	30.6	32.4																				
(WY)	1988	1988	1979	1979	1994	1977	1992	1992	1992	1994	1994	1994																				

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1966 - 1997
ANNUAL TOTAL	191391	246473	
ANNUAL MEAN	523	675	356
HIGHEST ANNUAL MEAN			711
LOWEST ANNUAL MEAN			134
HIGHEST DAILY MEAN	10800	Feb 9	10800
LOWEST DAILY MEAN	44	Sep 13	25
ANNUAL SEVEN-DAY MINIMUM	47	Sep 8	26
ANNUAL RUNOFF (AC-FT)	379600	488900	258200
ANNUAL RUNOFF (CFSM)	1.90	2.46	1.30
ANNUAL RUNOFF (INCHES)	25.89	33.34	17.61
10 PERCENT EXCEEDS	1050	1870	937
50 PERCENT EXCEEDS	209	358	151
90 PERCENT EXCEEDS	55	82	54

* Estimated

MICROFILMED
OCT 12 2000

SPOKANE RIVER BASIN

77

12414900 ST. MARIES RIVER NEAR SANTA, ID

LOCATION.--Lat 47°10'35", long 116°29'30", in NW 1/4 SE 1/4 NW 1/4 sec. 8, T. 44 N., R. 1 W., Benewah County, Hydrologic Unit 17010304, on right bank, 450 ft upstream from bridge on State Highway 3, 0.3 mi upstream from Santa Creek, 2.7 mi northwest of Santa, and at mile 24.6

DRAINAGE AREA.--275 mi².

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WDR 1974: 1968-70 (M). WDR 1982: 1981.

GAGE.--Water-stage recorder. Datum of gage is 2,574.56 ft above sea level.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,300 ft³/s Feb. 9, 1996, on basis of indirect discharge measurement, gage height, 13.75 ft; minimum, 15 ft³/s Nov. 11, 1978, gage height, 3.32 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 30	0745	2,960	8.18	Feb. 9	unknown	*12,300	*13.75
Dec. 12	2200	2,310	7.75	Feb. 19	1345	3,320	8.40
Jan. 16	0700	2,030	7.53	Apr. 24	1545	5,700	9.73
				May 18	0700	2,010	7.47

(a) From floodmarks

Minimum, 43 ft³/s Sept. 13, gage height, 3.77 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	e70	e2170	e260	e190	537	1100	932	470	144	72	51
2	83	e60	e1500	e250	e180	510	1050	845	433	137	69	49
3	145	e65	e1030	633	e180	505	860	765	424	133	71	49
4	272	e75	1060	555	e240	600	745	693	411	127	74	49
5	123	e80	782	404	e320	583	679	635	390	125	78	50
6	89	85	627	350	796	476	671	586	377	120	88	52
7	76	89	533	374	5650	462	700	546	352	118	77	53
8	72	227	e400	1200	7980	513	787	507	336	114	70	51
9	69	560	e400	1070	10800	551	851	475	317	111	67	49
10	67	278	545	941	e4800	640	968	446	302	106	64	48
11	80	562	e1060	782	2330	871	1100	431	287	103	62	47
12	255	e870	1680	681	1440	1050	1170	522	269	100	60	45
13	128	487	1770	606	1140	965	1120	538	252	97	58	44
14	97	411	1240	565	986	885	991	765	239	95	59	48
15	84	348	1140	946	899	832	899	955	227	93	59	65
16	78	309	931	e1880	851	779	994	1010	218	91	57	72
17	95	274	800	1400	885	717	1210	1020	206	88	55	62
18	224	254	670	1000	2090	668	1070	1820	203	88	55	58
19	164	221	587	850	3160	628	1030	1440	197	89	55	59
20	111	192	528	722	2420	593	1030	1210	189	90	55	82
21	96	174	479	643	1750	567	996	1050	180	88	55	70
22	92	166	433	553	1410	578	907	1060	185	86	56	62
23	85	178	e360	501	1170	615	1490	943	190	83	54	61
24	81	259	e310	468	1010	603	5230	843	195	79	53	58
25	80	e500	e250	e400	877	e525	3630	765	190	77	52	56
26	229	444	e220	e360	769	520	2420	707	183	74	50	55
27	158	443	e210	e350	661	489	1740	650	177	73	49	54
28	116	824	e220	e350	580	464	1350	607	207	72	55	55
29	99	1540	e230	e320	574	439	1160	617	166	71	61	56
30	90	e2630	e250	e200	---	435	1020	566	152	80	55	56
31	83	---	e280	e170	---	477	---	516	---	81	52	---
TOTAL	3619	12675	22695	19784	56138	19077	38938	24465	7924	3033	1897	1666
MEAN	117	422	732	638	1936	615	1298	789	264	97.8	61.2	55.5
MAX	272	2630	2170	1880	10800	1050	5230	1820	470	144	88	82
MIN	67	60	210	170	180	435	671	431	152	71	49	44
AC-FT	7180	25140	45020	39240	111300	37840	77230	48530	15720	6020	3760	3300
CFSM	.42	1.54	2.66	2.32	7.04	2.24	4.72	2.87	.96	.36	.22	.20
IN.	.49	1.71	3.07	2.68	7.59	2.58	5.27	3.31	1.07	.41	.26	.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1996, BY WATER YEAR (WY)

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
MEAN	71.7	138	217	336	535	675	855	733	354	124	67.9	62.6																			
MAX	132	422	732	1637	1936	2166	1672	1609	1012	210	103	90.8																			
(WY)	1969	1996	1996	1974	1996	1972	1974	1974	1993	1975	1985	1985																			
MIN	36.3	45.7	54.8	47.6	84.7	153	282	186	84.3	54.4	30.6	32.4																			
(WY)	1988	1988	1979	1979	1994	1977	1992	1992	1992	1994	1994	1994																			

SUMMARY STATISTICS

	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1966 - 1996
ANNUAL TOTAL	149922	211911	
ANNUAL MEAN	411	579	346
HIGHEST ANNUAL MEAN			711
LOWEST ANNUAL MEAN			134
HIGHEST DAILY MEAN	4130	10800	10800
LOWEST DAILY MEAN	44	44	25
ANNUAL SEVEN-DAY MINIMUM	48	47	26
ANNUAL RUNOFF (AC-FT)	297400	420300	250700
ANNUAL RUNOFF (CFSM)	1.49	2.11	1.26
ANNUAL RUNOFF (INCHES)	20.28	28.67	17.10
10 PERCENT EXCEEDS	1040	1130	908
50 PERCENT EXCEEDS	240	349	149
90 PERCENT EXCEEDS	61	58	53

e Estimated

MICROFILMED
OCT 12 2001

SPOKANE RIVER BASIN

1995

79

12414900 ST. MARIES RIVER NEAR SANTA, ID

LOCATION.--Lat 47°10'35", long 116°29'30", in NW 1/4 SE 1/4 NW 1/4 sec. 8, T. 44 N., R. 1 W., Benewah County, Hydrologic Unit 17010304, on right bank, 450 ft upstream from bridge on State Highway 3, 0.3 mi upstream from Santa Creek, 2.7 mi northwest of Santa, and at mile 24.6

DRAINAGE AREA.--275 mi².

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WDR 1974: 1968-70 (M). WDR 1982: 1981.

GAGE.--Water-stage recorder. Datum of gage is 2,574.56 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are fair.

Peak discharges greater than a base discharge of 1,500 ft³/s are available.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	659	e870	e140	2380	676	495	317	201	131	66	51
2	30	203	543	e120	2440	591	503	402	200	130	64	50
3	29	114	269	e110	1530	541	455	447	205	222	62	49
4	28	91	163	e100	1060	495	448	396	193	193	62	49
5	28	84	e130	e110	860	452	467	397	231	155	62	49
6	28	77	e80	e130	773	411	481	391	349	139	59	49
7	28	71	e90	e170	736	364	557	387	370	137	78	56
8	28	70	e100	e200	687	353	755	381	279	128	149	89
9	28	67	e110	e250	608	944	661	383	229	119	85	70
10	28	85	e100	e650	543	1420	556	392	207	126	73	61
11	30	93	e100	e900	477	1330	509	507	204	130	70	57
12	42	97	e95	845	385	1280	482	525	197	125	69	54
13	36	97	e90	688	341	1120	571	467	181	116	67	51
14	36	80	e95	993	371	1080	681	410	177	109	64	49
15	64	72	e100	1170	331	1500	589	379	174	103	69	49
16	49	70	e100	861	322	1380	528	359	173	99	99	48
17	40	e70	e150	629	398	1100	455	354	256	95	79	47
18	37	e55	e380	491	735	1020	451	340	240	91	81	45
19	36	e60	e420	444	2230	1130	436	326	228	87	72	47
20	35	e65	e310	371	4130	1060	424	307	244	84	67	53
21	40	e60	264	300	2910	1340	389	290	285	81	63	52
22	62	e35	224	248	1990	1170	359	276	234	79	59	48
23	45	76	205	221	1510	1110	344	263	212	78	57	46
24	40	92	198	220	1220	1030	348	255	194	76	57	45
25	38	84	206	e240	1150	855	354	248	180	74	56	44
26	38	125	196	e210	1080	738	358	243	169	73	54	46
27	215	108	e700	199	929	656	350	233	159	81	54	57
28	299	93	e760	181	780	587	355	224	152	76	53	71
29	129	82	550	169	---	542	350	215	142	73	53	124
30	82	e180	348	222	---	507	335	209	136	70	55	94
31	99	---	e170	1020	---	477	---	206	---	68	54	---
TOTAL	1776	3215	8116	12602	32906	27259	14076	10529	6401	3348	2112	1700
MEAN	57.3	107	262	407	1175	879	469	340	213	108	68.1	56.7
MAX	299	659	870	1170	4130	1500	755	525	370	222	149	124
MIN	28	35	80	100	322	353	335	206	136	68	53	44
AC-FT	3524	6380	16100	25000	65270	54070	27920	20880	12700	6640	4190	3370
CFSM	.21	.39	.95	1.48	4.27	3.20	1.71	1.24	.78	.39	.25	.21
IN.	.24	.43	1.10	1.70	4.45	3.69	1.90	1.42	.87	.45	.29	.23

STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF RECORD, BY WATER YEAR (WY)

	MEAN	70.2	129	200	326	487	677	841	731	357	125	68.1	62.9
	MAX	132	414	701	1637	1387	2166	1672	1609	1012	210	103	90.8
	(WY)	1969	1991	1978	1974	1982	1972	1974	1972	1974	1993	1975	1985
	MIN	36.3	45.7	54.8	47.6	84.7	153	282	186	84.3	54.4	30.6	32.4
	(WY)	1988	1988	1979	1979	1994	1977	1992	1992	1992	1994	1994	1994

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

PERIOD OF RECORD

ANNUAL TOTAL	59109	124040	338
ANNUAL MEAN	162	340	711
HIGHEST ANNUAL MEAN			134
LOWEST ANNUAL MEAN			9120
HIGHEST DAILY MEAN	870	4130	25
LOWEST DAILY MEAN	26	28	26
ANNUAL SEVEN-DAY MINIMUM	26	28	10700
INSTANTANEOUS PEAK FLOW		4350	12.60
INSTANTANEOUS PEAK STAGE		9.21	15
INSTANTANEOUS LOW FLOW			12.60
ANNUAL RUNOFF (AC-FT)	117200	246000	245100
ANNUAL RUNOFF (CFSM)		1.24	1.23
ANNUAL RUNOFF (INCHES)	8.00	16.78	16.71
10 PERCENT EXCEEDS	404	857	900
50 PERCENT EXCEEDS	100	193	145
90 PERCENT EXCEEDS	30	49	53

a Also occurred Oct. 5-10.

b Gage height, 3.32 ft.

c Estimated.

MICROFILMED
OCT 12 2000

SPOKANE RIVER BASIN

12414900 ST. MARIES RIVER NEAR SANTA, ID

LOCATION.--Lat 47°10'35", long 116°29'30", in NW¼SE¼NW¼ sec.8, T.44 N., R.1 W., Benewah County, Hydrologic Unit 17010304, on right bank, 450 ft upstream from bridge on State Highway 3, 0.3 mi upstream from Santa Creek, 2.7 mi northwest of Santa, and at mile 24.6

DRAINAGE AREA.--275 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WDR 1974: 1968-70 (M). WDR 1982: 1981.

GAGE.--Water-stage recorder. Datum of gage is 2,574.56 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are fair.

Peak discharges greater than a base discharge of 1,500 ft³/s are available. No peaks greater than the base discharge occurred this year.DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	71	e134	163	e58	330	371	383	122	73	38	26
2	50	66	e150	170	e58	394	359	259	131	74	36	26
3	49	62	e133	240	e59	654	412	245	115	77	35	27
4	49	65	e118	291	e57	831	478	243	118	74	33	51
5	49	68	e125	437	e54	747	459	250	123	72	33	59
6	49	63	e112	288	e55	518	449	233	125	71	33	40
7	54	e61	e88	185	e56	378	520	226	176	71	33	35
8	69	e59	e105	147	e45	308	482	228	137	68	32	34
9	59	e58	e150	142	e48	265	430	236	128	64	32	34
10	55	e60	e139	156	e50	255	395	240	116	62	32	35
11	53	e58	e130	160	e49	238	383	238	107	59	31	38
12	53	e56	e129	233	e62	225	415	226	104	57	31	36
13	54	e66	e125	322	e80	240	521	219	117	56	32	35
14	61	e63	e115	308	e83	262	454	205	119	54	30	34
15	70	e60	100	250	e86	329	393	198	125	57	29	34
16	87	e71	92	203	95	395	398	197	135	56	30	34
17	79	74	86	172	96	390	446	179	163	53	30	32
18	69	75	84	152	123	487	532	179	126	51	30	31
19	64	e70	86	141	125	641	582	171	113	48	30	30
20	62	e58	86	126	101	462	580	202	104	45	30	30
21	59	e64	82	128	96	423	569	269	98	44	30	29
22	58	e55	82	137	95	366	537	213	93	44	30	28
23	58	e43	e82	119	84	310	497	173	87	42	30	28
24	58	e37	e81	127	122	265	475	157	84	41	31	27
25	59	e40	e80	123	128	243	479	146	81	43	29	27
26	57	e67	e84	122	110	233	413	139	94	42	27	27
27	57	e84	e95	122	121	229	360	134	117	39	27	26
28	57	e115	e105	113	176	246	325	129	91	38	27	26
29	58	e120	e122	109	---	280	301	134	81	37	26	26
30	58	e123	e135	92	---	293	283	134	76	36	26	28
31	59	---	160	64	---	332	---	122	---	38	26	---
TOTAL	1823	2033	3395	5542	2372	11569	13298	6207	3406	1686	949	973
MEAN	58.8	67.8	110	179	84.7	373	443	200	114	54.4	30.6	32.4
MAX	87	123	160	437	176	831	582	283	176	77	38	59
MIN	49	37	80	64	45	225	283	122	76	36	26	26
AC-FT	3620	4030	6730	10990	4700	22950	26380	12310	6760	3340	1880	1930
CFSM	.21	.25	.40	.65	.31	1.36	1.61	.73	.41	.20	.11	.12
IN.	.25	.28	.46	.75	.32	1.56	1.80	.84	.46	.23	.13	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1994, BY WATER YEAR (WY)

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
MEAN	70.6	129	198	323	464	670	853	745	362	125	68.1	63.1																	
MAX	132	414	701	1637	1387	2166	1672	1609	1012	210	103	90.8																	
(WY)	1969	1991	1978	1974	1982	1972	1974	1972	1974	1993	1975	1985																	
MIN	36.3	45.7	54.8	47.6	84.7	153	282	186	84.3	54.4	30.6	32.4																	
(WY)	1988	1988	1979	1979	1994	1977	1992	1992	1992	1994	1994	1994																	

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1966 - 1994
ANNUAL TOTAL	112534	53253	
ANNUAL MEAN	308	146	338
HIGHEST ANNUAL MEAN			711
LOWEST ANNUAL MEAN			134
HIGHEST DAILY MEAN	2320	831	9120
LOWEST DAILY MEAN	37	26	25
ANNUAL SEVEN-DAY MINIMUM	50	26	26
INSTANTANEOUS PEAK FLOW		889	10700
INSTANTANEOUS PEAK STAGE		6.29	12.60
INSTANTANEOUS LOW FLOW			15
ANNUAL RUNOFF (AC-FT)	223200	105600	245000
ANNUAL RUNOFF (CFSM)	1.12	.53	1.23
ANNUAL RUNOFF (INCHES)	15.22	7.20	16.71
10 PERCENT EXCEEDS	929	380	900
50 PERCENT EXCEEDS	130	88	144
90 PERCENT EXCEEDS	58	32	53

a Also occurred Aug. 29, 30, 31, Sept. 1, 2, 27, 28, 29.

b Gage height, 3.32 ft.

e Estimated.

MICROFILMED
OCT 2 1994

SPOKANE RIVER BASIN

12414900 ST. MARIES RIVER NEAR SANTA, ID

LOCATION.--Lat 47°10'35", long 116°29'30", in NW¹/₄SE¹/₄NW¹/₄ sec.8, T.44 N., R.1 W., Benewah County, Hydrologic Unit 17010304, on right bank, 450 ft upstream from bridge on State Highway 3, 0.3 mi upstream from Santa Creek, 2.7 mi northwest of Santa, and at mile 24.6

DRAINAGE AREA.--275 mi².

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WDR 1974: 1968-70 (M). WDR 1982: 1981.

GAGE.--Water-stage recorder. Datum of gage is 2,574.56 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are fair.

Peak discharges greater than a base discharge of 1,500 ft³/s are available.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	163	e88	e82	e210	e115	797	1040	327	139	156	71
2	55	187	e84	e83	e150	e120	884	1050	312	152	146	68
3	55	128	e82	e85	e130	e120	1100	1050	349	222	137	66
4	59	100	e73	e87	e115	e120	1660	2310	297	226	129	63
5	64	97	e66	e78	e120	e180	1480	1850	280	211	124	63
6	57	93	e64	e72	e130	e210	1100	1470	258	179	121	60
7	55	113	e92	e67	e130	e370	936	1300	263	166	116	60
8	53	268	e98	e64	e140	e380	901	1180	258	179	111	59
9	53	221	e100	e68	e140	e350	1150	1030	237	192	107	58
10	52	160	e110	e66	e145	e310	1110	912	227	158	100	58
11	52	127	e100	e64	e150	e290	1060	887	223	148	93	57
12	52	118	e88	e62	e155	e280	925	901	266	139	91	55
13	54	122	e96	e59	e150	e280	813	921	247	135	87	58
14	64	144	e105	e61	e140	e370	793	913	214	234	84	58
15	57	129	e95	e63	e110	e1020	751	883	215	286	106	59
16	54	119	e87	e61	e86	e1380	695	819	271	206	102	66
17	55	112	e86	e65	e70	864	699	748	233	244	101	59
18	58	134	e83	e58	e78	1100	972	684	203	294	104	58
19	56	164	e78	e60	e85	1190	925	633	186	225	90	56
20	56	149	e83	e110	e88	1160	788	592	175	256	83	55
21	54	131	e90	e180	e90	1230	737	626	191	261	81	57
22	56	149	e94	e170	e94	1020	730	542	231	224	83	58
23	59	156	e100	e160	e96	1420	706	493	205	244	79	57
24	55	e79	e100	e180	e92	2320	690	449	184	262	73	56
25	53	e75	e96	e260	e90	1620	725	401	168	226	71	55
26	53	e76	e98	e560	e76	1320	1540	418	158	244	70	55
27	52	e82	e96	e650	e91	1180	1220	382	164	267	68	54
28	52	e90	e90	e520	e104	1110	987	422	152	222	72	52
29	54	e95	e85	e430	---	977	894	389	157	194	96	52
30	68	e99	e83	e360	---	859	1010	342	149	189	83	51
31	98	---	e83	e290	---	776	---	319	---	171	75	---
TOTAL	1772	3880	2773	5175	3255	24041	28768	25956	6800	6495	3039	1754
MEAN	57.2	129	89.5	167	116	776	959	837	227	210	98.0	58.5
MAX	98	268	110	650	210	2320	1660	2310	349	294	156	71
MIN	52	75	64	58	70	115	680	319	149	135	68	51
AC-FT	3510	7700	5500	10260	6460	47690	57060	51480	13490	12880	6030	3480
CFSM	.21	.47	.33	.61	.42	2.82	3.49	3.04	.82	.76	.36	.21
IN.	.24	.52	.38	.70	.44	3.25	3.89	3.51	.92	.88	.41	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1993, BY WATER YEAR (WY)

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
MEAN	71.0	131	201	328	477	680	868	764	371	128	69.4	64.2																
MAX	132	414	701	1637	1387	2166	1672	1609	1012	210	103	90.8																
(WY)	1969	1991	1978	1974	1982	1972	1974	1972	1974	1993	1975	1985																
MIN	36.3	45.7	54.8	47.6	116	153	282	186	84.3	56.8	37.7	36.0																
(WY)	1988	1988	1979	1979	1993	1977	1992	1992	1992	1973	1973	1987																

SUMMARY STATISTICS

	FOR 1992 CALENDAR YEAR	FOR 1993 WATER YEAR	WATER YEARS 1966 - 1993
ANNUAL TOTAL	65619	113708	
ANNUAL MEAN	179	312	345
HIGHEST ANNUAL MEAN			711
LOWEST ANNUAL MEAN			134
HIGHEST DAILY MEAN	2340	2320	9120
LOWEST DAILY MEAN	36	51	25
ANNUAL SEVEN-DAY MINIMUM	37	53	32
INSTANTANEOUS PEAK FLOW		2670	10700
INSTANTANEOUS PEAK STAGE		8.09	12.60
INSTANTANEOUS LOW FLOW			15
ANNUAL RUNOFF (AC-FT)	130200	225500	250000
ANNUAL RUNOFF (CFSM)	.65	1.13	1.25
ANNUAL RUNOFF (INCHES)	8.88	15.38	17.05
10 PERCENT EXCEEDS	347	929	913
50 PERCENT EXCEEDS	96	134	149
90 PERCENT EXCEEDS	50	57	54

a Gage height, 3.32 ft.

e Estimated.

MICROFILMED
OCT 12 1994

Permit No. 92-07200 Reviewed by [Signature] Date 10-20-98

TYPES OF USE

min. Flow

Correct Uses? yes

☒ Surface water source

_____ Ground water source

Drilling permit required?

Copy in the file? Drilling Permit No.

Amount paid for permit

Well log in the file?

Correct?

MEASURING DEVICE

 Required?

NO Required?

Exempt Amount Submitted

Installed?

Correct? ☐

Waiver requested?

Date proof received

Date proof due

No. of days late

Priority Date

New Priority Date

PROOF Acceptable

DATA ENTRY

New Address ✓ Proof Made 8-31-98

Proof Made 8-31-98



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

October 21, 1998

IDAHO WATER RESOURCE BOARD
ATTN JOHN BEAL
P O BOX 83720
BOISE ID 83720-0098

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 92-07200

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit.

The next step in the process of recommending a minimum stream flow is for the department to review the information submitted and make a recommendation.

Sincerely,

A handwritten signature in cursive script, reading 'Julie L. Yarbrough', written in dark ink.

JULIE L. YARBROUGH
Senior Secretary, Water Allocation Bureau

c: IDWR - Northern Region

MICROFILMED
OCT 28 1998

MEMORANDUM

To: Glen Saxton
Water Right Files 96-08730, 91-07122 and 92-07200

From: John Beal *John Beal*

Date: April 17, 1998

Re: Minimum Stream Flow Water Rights presented to the 1998 Legislature

The minimum stream flow water rights for the Pend Oreille, St. Joe and St. Maries rivers were sent to the Idaho legislature this year. Bill Graham gave a presentation before the Senate Resource and Environment Committee early in the session. It does not appear that a joint resolution was prepared for approval of these flows.

In accordance with Idaho Code 42-1503, if the Legislature does not act on the minimum stream flow application prior to the end of the legislative session, the application shall be considered approved.

Permits have been issued for these Water rights. I plan to submit proofs for them this year.

MICROFILMED
JUN 12 1998

**A CONCURRENT RESOLUTION
APPROVING APPLICATION TO APPROPRIATE WATER
FOR MINIMUM STREAMFLOW**

Be It Resolved by the Legislature of the State of Idaho:

WHEREAS, the Idaho Water Resource Board may apply for a permit to appropriate unappropriated waters of any stream to establish a minimum streamflow; and

WHEREAS, under the provisions of Section 42-1503, Idaho Code, an approved application shall not become finally effective until affirmatively acted upon by the Legislature, except that if the Legislature fails to act prior to the end of the regular session to which the application was submitted, the application shall be considered approved; and

WHEREAS, on December 11, 1997, the Director of the Department of Water Resources approved the following application by issuing a Final Order authorizing the appropriation of water for minimum streamflow:

Ident. No: 92-07200

Source: St. Maries River tributary to St. Joe River.

Reach descr: A 26 mile reach beginning at a point in the SW1/4SW1/4NE1/4 Section 6, T42N, R2E, B.M. at the confluence of the West and Middle Forks of the St. Maries River and ending at the confluence with John Creek in the SE1/4NE1/4NW1/4 Section 33, T45N, R2W, B.M.

Amount: 141 cubic feet per second (cfs) from December 1 to July 31, and
65 cfs from August 1 to November 30.

Use: To protect fish and wildlife habitat, aquatic life and recreational values.

NOW, THEREFORE, BE IT RESOLVED by the members of the Second Regular Session of the Fifty-fourth Idaho Legislature, the Senate and the House of Representatives concurring therein, that the same is hereby approved subject to the conditions and limitations contained in the Final Order issued by the Director of the Department of Water Resources on December 11, 1997.

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JUN 12 1998

NOTICE

The minimum stream flow hearing information is located in File No. 91-07122.

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JUN 12 1998

NAME AND ADDRESS OF SENDER

Water Allocation Bureau
Department of Water Resources
1301 N. Orchard St.
Boise, ID 83706

Indicate type of mail
☐ Registered
☐ Insured
☒ COD
☐ Certified

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

Line	Number of Article	Name of Addressee, Street, and Post-Office Address	Postage	Fee	Handling Charge	Act. Value (if Regs.)	Insured Value	Due Sender If C.O.D.	R. R. Fee	S. D. Fee	S. H. Fee	Reg. Del. Fee	Remarks
1	590062315	CINDY ROBERTSON FISH AND GAME PO BOX 25 BOISE ID 83707											91-07122 42-07200
2	590062316	MARTI BRIDGES ID RIVERS UNITED PO BOX 633 BOISE ID 83701											
3	590062317	BOB SCHLOSS CORPS OF ENGINEERS 2376 E HWY 2 OLDTOWN ID 83822											
4	590062318	BOB DUNNAGAN TROUT UNLIMITED 361 EVERGREEN RD SANDPOINT ID 83862											
5	590062319	STEVEN A FRY WASHINGTON WATER POWER PO BOX 4727 SPOKANE WA 99220-3727											
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
Total Number of Pieces Listed by Sender		Total Number of Pieces Received at Post Office	POSTMASTER, PER (Name of receiving employee)		The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for nonnegotiable documents under Express Mail document reconstruction insurance is \$50,000 per piece subject to a limit of \$500,000 per occurrence. The maximum indemnity payable on Express Mail merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for Registered Mail, \$500 for COD and \$500 for Insured Mail. Special handling charges apply only to Third- and Fourth-Class parcels. Special delivery service also includes special handling service.								

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JUN 12 1998



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. BOX 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

January 12, 1998

The Honorable Michael K. Simpson
Speaker of the House
Statehouse Mail
Boise, ID 83720

RE: APPLICATION FOR PERMIT NOS. 91-07122, 92-07200 AND 96-08730 TO
ESTABLISH MINIMUM STREAM FLOWS ON THE ST. JOE RIVER, ST.
MARIES RIVER AND PEND OREILLE RIVER

Dear Mr. Simpson:

Enclosed for your consideration are copies of the above referenced applications for permit along with the final order which concludes the administrative processing of the applications. As you are aware, Section 42-1503, Idaho Code, requires that the applications be reviewed by the legislature. As defined by statute, each application "(i) shall not become finally effective until affirmatively acted upon by concurrent resolution of the Idaho Legislature; or (ii) except that if the legislature fails to act prior to the end of the regular session to which the application was submitted, the application shall be considered approved."

At the hearings I am required to conduct, there was no opposition to the establishment of these minimum stream flows.

This letter with its enclosures constitutes submittal of the applications to the legislature for approval. Please advise if you would like further information or presentation on the nature of the applications.

Sincerely,

KARL J. DREHER
Director

Enclosures

c: Mike Nugent

MICROFILMED
JUN 12 1998



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. BOX 83720, Boise, Idaho 83720-0098
Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

January 12, 1998

The Honorable Jerry Twiggs
Senator Pro Tem
Statehouse Mail
Boise, ID 83720

RE: APPLICATION FOR PERMIT NOS. 91-07122, 92-07200 AND 96-08730 TO
ESTABLISH MINIMUM STREAM FLOWS ON THE ST. JOE RIVER, ST.
MARIES RIVER AND PEND OREILLE RIVER

Dear Senator Twiggs:

Enclosed for your consideration are copies of the above referenced applications for permit along with the final order which concludes the administrative processing of the applications. As you are aware, Section 42-1503, Idaho Code, requires that the applications be reviewed by the legislature. As defined by statute, each application "(i) shall not become finally effective until affirmatively acted upon by concurrent resolution of the Idaho Legislature; or (ii) except that if the legislature fails to act prior to the end of the regular session to which the application was submitted, the application shall be considered approved."

At the hearings I am required to conduct, there was no opposition to the establishment of these minimum stream flows.

This letter with its enclosures constitutes submittal of the applications to the legislature for approval. Please advise if you would like further information or presentation on the nature of the applications.

Sincerely,

KARL J. DREHER
Director

Enclosures

c: Mike Nugent

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JUN 12 1998



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. BOX 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

December 12, 1997

KARL J. DREHER
DIRECTOR

RE: In the Matter of Applications for Permit Nos. 91-07122
and 92-07200 in the name of the Idaho Water Resource
Board

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
a petition for reconsideration with the agency head, the final
order becomes effective when:

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JUN 12 1998

- (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.

(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.

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JUN 12 1938

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,

A handwritten signature in black ink, appearing to read "L. Glen Saxton". The signature is fluid and cursive, with the first name "L." and last name "Saxton" clearly distinguishable.

L. GLEN SAXTON, Chief
Water Allocation Bureau

Enclosure

c: IDWR - Region

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JUN 12 1998



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. BOX 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

August 28, 1997

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

RE: In the matter of Application for Permit Nos. 91-07122 and 92-07200 in the name of the Idaho Water Resource Board

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 from 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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JUN 12 1998

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,



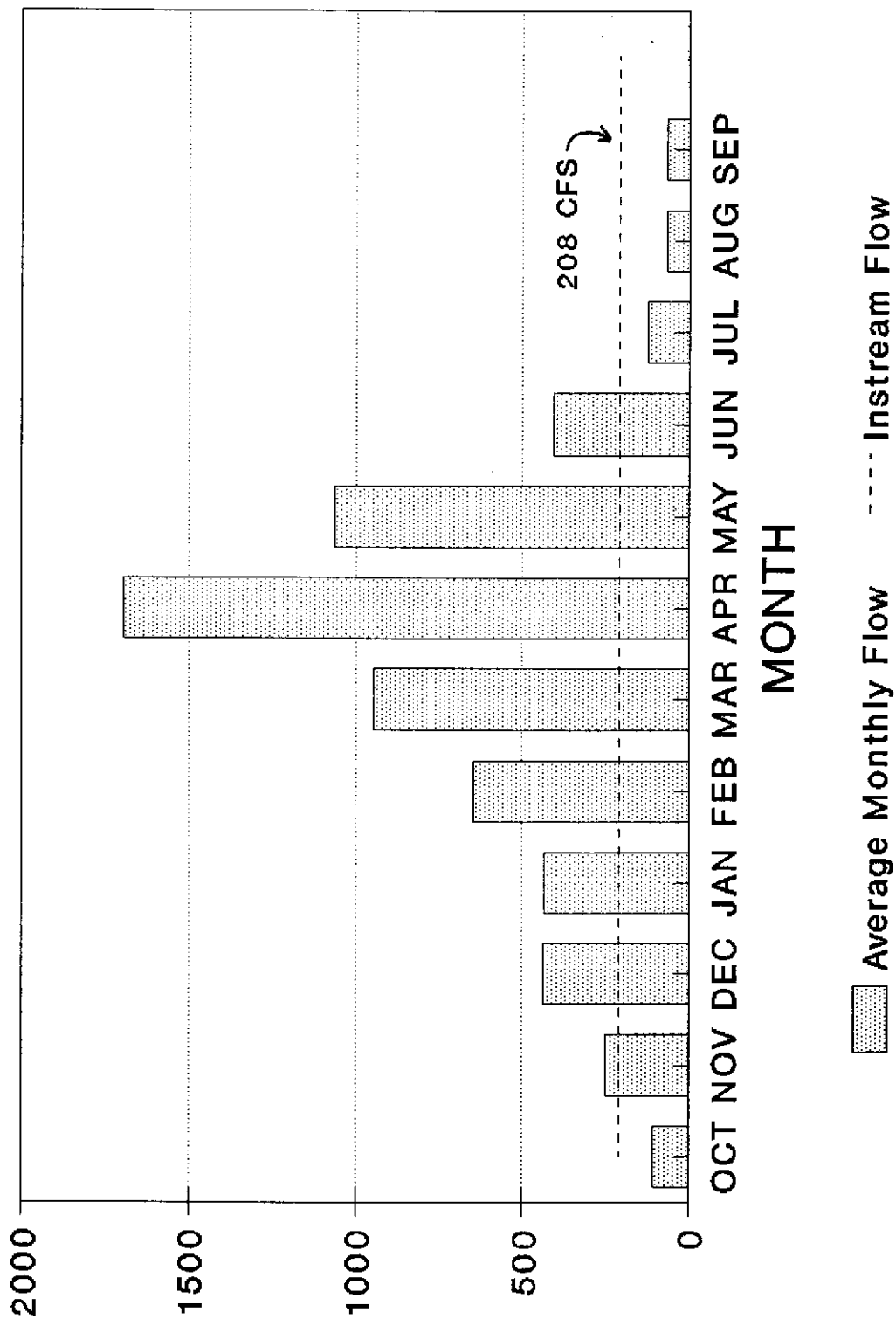
L. GLEN SAXTON, Chief
Water Allocation Bureau

Enclosure

C: IDWR - Northern Region

MICROFILMED
JUN 12 1992

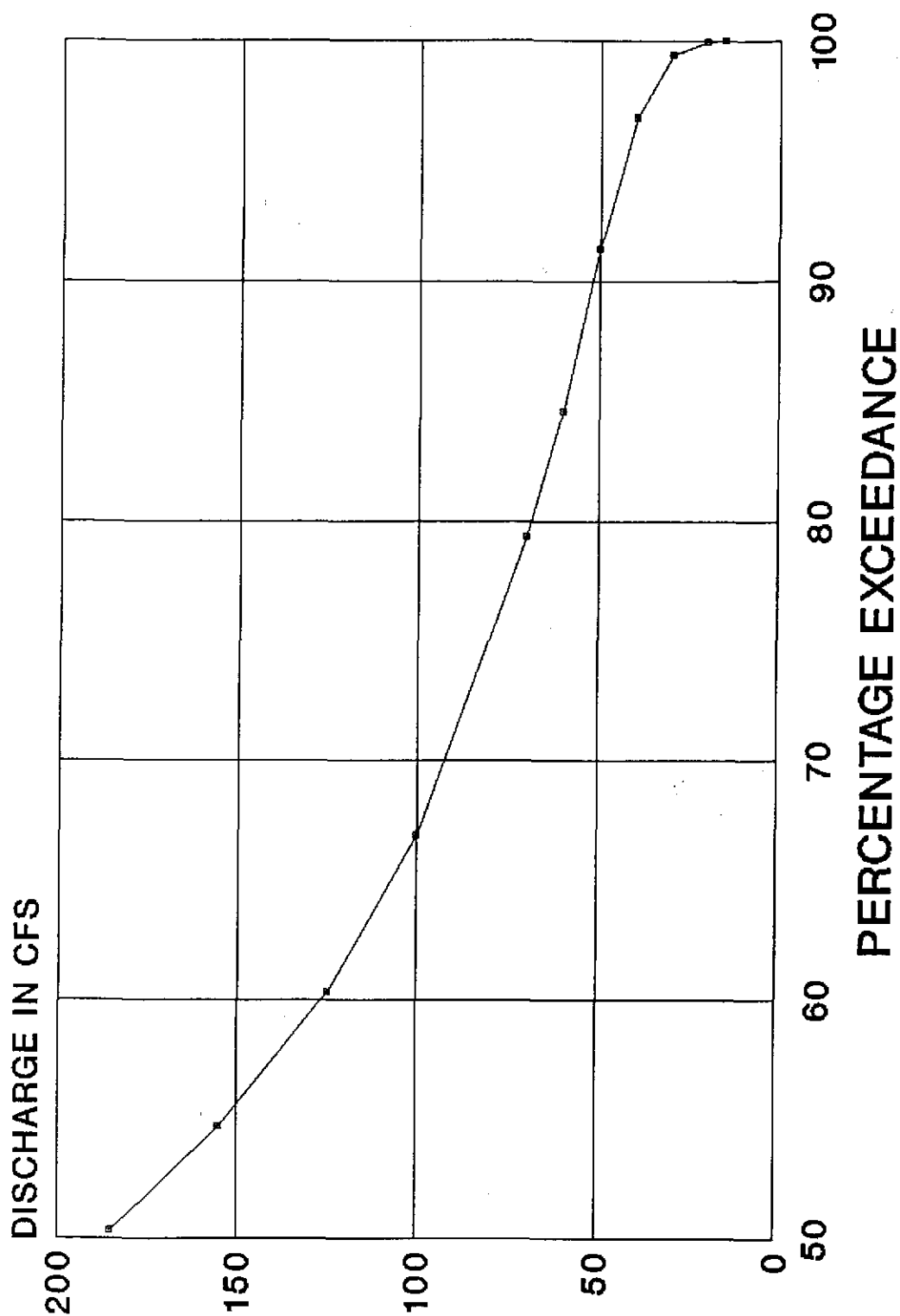
ST. MARIES RIVER AT LOTUS (1921-66)



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JUN 12 1998

FLOW DURATION CURVE ST. MARIES RIVER AT LOTUS



PERIOD 1921-66

MICROFILMED
JUN 12 1998

ST. MARIES RIVER AT LOTUS (1921-66)

12415000

FLOW DURATION TABLE FOR STATION 12415000

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1650.	7.67	1550.	8.74	1450.	9.75	1350.	11.05	1250.	12.56	1150.	14.26				
1050.	16.05	950.	17.79	850.	20.03	750.	22.33	650.	24.82	640.	25.19				
630.	25.40	620.	25.63	610.	25.89	600.	26.35	590.	26.74	580.	26.96				
570.	27.30	560.	27.54	550.	27.94	540.	28.30	530.	28.63	520.	28.90				
510.	29.22	500.	29.64	490.	30.05	480.	30.44	470.	30.82	460.	31.12				
450.	31.72	440.	32.20	430.	32.51	420.	32.94	410.	33.41	400.	33.93				
390.	34.42	380.	34.86	370.	35.24	360.	35.77	350.	36.53	340.	37.13				
330.	37.73	320.	38.39	310.	39.04	300.	40.00	290.	40.67	280.	41.38				
270.	42.21	260.	42.82	250.	44.10	245.	44.41	240.	44.87	235.	45.15				
230.	45.58	225.	45.91	220.	46.43	215.	46.80	210.	47.34	205.	47.87				
200.	48.89	195.	49.25	190.	49.94	185.	50.34	180.	51.32	175.	51.93				
170.	52.73	165.	53.22	160.	54.18	155.	54.69	150.	55.96	145.	56.51				
140.	57.54	135.	58.20	130.	59.49	125.	60.31	120.	61.64	115.	62.52				
110.	63.85	105.	65.14	100.	66.88	95.	68.35	90.	70.07	85.	71.76				
80.	74.07	75.	76.51	70.	79.32	65.	81.76	60.	84.56	55.	87.33				
50.	91.38	45.	94.30	40.	96.77	35.	98.37	30.	99.40	25.	99.64				
20.	99.93	15.	100.00	10.	100.00	5.	100.00								

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JUN 12 1988

IDAHO DEPARTMENT OF WATER RESOURCES

SUMMARY HYDROGRAPH DATA

PAGE 1

ST. MARIES RIVER AT LOTUS (1921-66)

12415000

MONTH	YEAR	***** MONTHLY FLOW DATA *****				***** YEARLY FLOW DATA *****							
		MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT	MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT
OCT	1920	292.	15	98.	1	164.	31						
NOV	1920	590.	27	70.	6	256.	30						
DEC	1920	2700.	30	93.	22	376.	31						
JAN	1921	2350.	3	369.	11	827.	31						
FEB	1921	1910.	14	224.	6	711.	28						
MAR	1921	7710.	18	860.	15	1949.	31						
APR	1921	3450.	22	820.	9	1629.	30						
MAY	1921	1400.	8	590.	31	1042.	31						
JUN	1921	565.	1	193.	29	344.	30						
JUL	1921	266.	3	79.	30	130.	31						
AUG	1921	143.	16	62.	31	74.	31						
SEP	1921	346.	21	60.	1	155.	30	7710.	18 MAR	60.	1 SEP	638.	365
OCT	1921	465.	29	205.	8	277.	31						
NOV	1921	780.	27	260.	19	372.	30						
DEC	1921	2120.	1	145.	9	412.	31						
JAN	1922	150.	1	40.	21	82.	31						
FEB	1922	55.	11	50.	1	53.	28						
MAR	1922	90.	16	50.	1	71.	31						
APR	1922	2780.	22	760.	16	1815.	30						
MAY	1922	2780.	5	1070.	30	1808.	31						
JUN	1922	1120.	1	275.	15	552.	30						
JUL	1922	110.	1	85.	16	97.	31						
AUG	1922	95.	1	65.	16	80.	31						
SEP	1922	70.	1	45.	16	58.	30	2780.	22 APR	40.	21 JAN	474.	365
OCT	1922	92.	5	42.	13	57.	31						
NOV	1922	382.	18	32.	26	77.	30						
DEC	1922	250.	26	40.	1	81.	31						
JAN	1923	2920.	8	110.	28	610.	31						
FEB	1923	250.	16	80.	1	159.	28						
MAR	1923	2310.	31	330.	1	644.	31						
APR	1923	3950.	3	1010.	24	1856.	30						
MAY	1923	1340.	9	425.	31	821.	31						
JUN	1923	3030.	2	256.	30	817.	30						
JUL	1923	243.	1	92.	31	159.	31						
AUG	1923	231.	21	64.	30	87.	31						
SEP	1923	64.	27	49.	18	54.	30	3950.	3 APR	32.	26 NOV	452.	365
OCT	1923	144.	17	51.	4	70.	31						
NOV	1923	490.	24	53.	19	125.	30						
DEC	1923	1120.	7	120.	21	204.	31						
JAN	1924	180.	21	130.	1	148.	31						
FEB	1924	1800.	1	672.	23	1170.	29						
MAR	1924	1020.	1	243.	25	495.	31						
APR	1924	1480.	13	275.	1	764.	30						
MAY	1924	1240.	4	204.	31	647.	31						
JUN	1924	200.	8	86.	30	146.	30						
JUL	1924	102.	21	47.	31	67.	31						
AUG	1924	93.	20	37.	30	49.	31						
SEP	1924	135.	20	36.	5	54.	30	1800.	1 FEB	36.	5 SEP	324.	366
OCT	1924	171.	31	49.	17	67.	31						
NOV	1924	1090.	22	110.	13	284.	30						

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ST. MARIES RIVER AT LOTUS (1921-66)

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MONTH	YEAR	***** MONTHLY FLOW DATA *****				***** YEARLY FLOW DATA *****							
		MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT	MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT
DEC	1924	900.	12	120.	1	310.	31						
JAN	1925	3500.	29	80.	13	583.	31						
FEB	1925	3000.	1	458.	17	1588.	28						
MAR	1925	2060.	25	590.	13	1264.	31						
APR	1925	3850.	6	790.	27	2149.	30						
MAY	1925	1750.	8	490.	27	989.	31						
JUN	1925	490.	1	171.	30	348.	30						
JUL	1925	146.	2	65.	31	102.	31						
AUG	1925	106.	16	44.	8	62.	31						
SEP	1925	55.	10	46.	14	51.	30						
OCT	1925	204.	28	54.	18	70.	31						
NOV	1925	160.	18	45.	24	77.	30						
DEC	1925	885.	24	54.	1	244.	31						
JAN	1926	200.	1	100.	16	148.	31						
FEB	1926	2800.	8	160.	1	787.	28						
MAR	1926	1750.	18	458.	30	902.	31						
APR	1926	1320.	17	458.	3	810.	30						
MAY	1926	490.	5	157.	31	319.	31						
JUN	1926	270.	20	78.	30	135.	30						
JUL	1926	98.	2	47.	31	66.	31						
AUG	1926	122.	31	41.	13	54.	31						
SEP	1926	306.	23	60.	15	96.	30						
OCT	1926	236.	17	68.	1	137.	31						
NOV	1926	2860.	30	96.	5	541.	30						
DEC	1926	2570.	2	276.	13	654.	31						
JAN	1927	640.	1	260.	21	409.	31						
FEB	1927	3810.	21	315.	13	1178.	28						
MAR	1927	1640.	31	652.	12	1030.	31						
APR	1927	3420.	27	960.	21	1721.	30						
MAY	1927	2370.	1	780.	28	1386.	31						
JUN	1927	1640.	10	315.	30	814.	30						
JUL	1927	315.	1	92.	27	178.	31						
AUG	1927	105.	1	64.	23	83.	31						
SEP	1927	380.	12	82.	4	161.	30						
OCT	1927	1220.	4	105.	2	360.	31						
NOV	1927	5800.	25	287.	2	1798.	30						
DEC	1927	3810.	2	440.	23	1114.	31						
JAN	1928	2000.	11	420.	1	922.	31						
FEB	1928	1250.	6	350.	29	662.	29						
MAR	1928	4840.	31	300.	1	2008.	31						
APR	1928	3990.	1	880.	11	1639.	30						
MAY	1928	2120.	1	510.	31	1169.	31						
JUN	1928	442.	1	158.	30	270.	30						
JUL	1928	192.	5	71.	31	118.	31						
AUG	1928	71.	2	44.	27	60.	31						
SEP	1928	76.	14	45.	8	51.	30						
OCT	1928	118.	9	53.	1	72.	31						
NOV	1928	245.	10	51.	8	87.	30						
DEC	1928	126.	31	23.	4	66.	31						
JAN	1929	107.	2	24.	23	49.	31						
								3850.	6 APR	44.	8 AUG	641.	365
								2800.	8 FEB	41.	13 AUG	305.	365
								3810.	21 FEB	64.	23 AUG	686.	365
								5800.	25 NOV	44.	27 AUG	848.	366

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MONTH	YEAR	***** MONTHLY FLOW DATA *****				***** YEARLY FLOW DATA *****			
		MAXIMUM	DAY	MINIMUM	DAY	MAXIMUM	DAY	MINIMUM	DAY
FEB	1929	51.	2	24.	8	33.		28	
MAR	1929	1030.	28	60.	1	354.		31	
APR	1929	1500.	15	102.	8	656.		30	
MAY	1929	835.	14	230.	31	556.		31	
JUN	1929	478.	16	141.	30	254.		30	
JUL	1929	134.	1	46.	31	77.		31	
AUG	1929	45.	1	30.	24	37.		31	
SEP	1929	45.	28	29.	8	34.		30	
OCT	1929	172.	28	38.	4	49.		31	
NOV	1929	102.	5	16.	21	44.		30	
DEC	1929	250.	16	22.	4	114.		31	
JAN	1930	64.	1	18.	17	28.		31	
FEB	1930	2000.	20	34.	3	381.		28	
MAR	1930	2270.	25	96.	3	496.		31	
APR	1930	790.	29	478.	3	583.		30	
MAY	1930	1830.	4	219.	18	456.		31	
JUN	1930	790.	3	130.	19	264.		30	
JUL	1930	145.	1	43.	31	70.		31	
AUG	1930	48.	6	36.	28	42.		31	
SEP	1930	90.	13	36.	1	55.		30	
OCT	1930	203.	8	51.	13	67.		31	
NOV	1930	573.	13	39.	8	87.		30	
DEC	1930	40.	24	32.	24	38.		31	
JAN	1931	200.	24	32.	1	87.		31	
FEB	1931	790.	19	117.	13	240.		28	
MAR	1931	2120.	22	181.	1	916.		31	
APR	1931	3990.	1	573.	24	1347.		30	
MAY	1931	930.	3	215.	31	476.		31	
JUN	1931	200.	1	79.	30	120.		30	
JUL	1931	79.	1	32.	29	50.		31	
AUG	1931	35.	1	21.	28	26.		31	
SEP	1931	92.	10	22.	4	44.		30	
OCT	1931	140.	29	34.	1	59.		31	
NOV	1931	161.	9	35.	26	66.		30	
DEC	1931	75.	21	30.	11	54.		31	
JAN	1932	180.	11	65.	1	115.		31	
FEB	1932	3200.	27	40.	11	382.		29	
MAR	1932	3500.	19	370.	12	1450.		31	
APR	1932	4410.	15	1760.	9	2810.		30	
MAY	1932	4200.	5	930.	31	2118.		31	
JUN	1932	930.	1	195.	30	497.		30	
JUL	1932	218.	4	72.	30	121.		31	
AUG	1932	70.	1	45.	27	56.		31	
SEP	1932	51.	1	40.	18	45.		30	
OCT	1932	151.	15	42.	3	70.		31	
NOV	1932	1370.	17	89.	1	343.		30	
DEC	1932	880.	3	50.	13	256.		31	
JAN	1933	400.	9	120.	26	206.		31	
FEB	1933	220.	24	70.	11	122.		28	
MAR	1933	2760.	29	230.	1	972.		31	
		1500.	15 APR	23.	4 DEC	190.		365	
		2270.	25 MAR	16.	21 NOV	214.		365	
		3990.	1 APR	21.	28 AUG	291.		365	
		4410.	15 APR	30.	11 DEC	647.		366	

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MONTH	YEAR	***** MONTHLY FLOW DATA *****				COUNT	***** YEARLY FLOW DATA *****				AVERAGE	COUNT
		MAXIMUM	DAY	MINIMUM	DAY		MAXIMUM	DAY	MINIMUM	DAY		
APR	1933	3740.	27	1000.	11	30	3740.	27 APR	42.	3 OCT	581.	365
MAY	1933	2580.	1	1230.	10	31						
JUN	1933	2240.	9	262.	28	30						
JUL	1933	253.	1	77.	30	31						
AUG	1933	121.	6	48.	28	31						
SEP	1933	77	25	48.	6	30						
OCT	1933	690.	29	56.	14	31						
NOV	1933	2080.	3	149.	26	30						
DEC	1933	10900.	22	179.	5	31						
JAN	1934	6620.	23	790.	16	31						
FEB	1934	1360.	1	344.	26	28						
MAR	1934	3330.	29	645.	25	31						
APR	1934	2760.	1	600.	23	30						
MAY	1934	512.	1	166.	29	31						
JUN	1934	374.	4	93.	24	30						
JUL	1934	107.	1	56.	31	31						
AUG	1934	56.	1	35.	31	31						
SEP	1934	75.	24	34.	2	30	10900.	22 DEC	34.	2 SEP	846.	365
OCT	1934	852.	26	46.	3	31						
NOV	1934	401.	21	87.	14	30						
DEC	1934	3360.	22	87.	13	31						
JAN	1935	2280.	25	130.	20	31						
FEB	1935	1440.	23	315.	11	28						
MAR	1935	4330.	13	315.	10	31						
APR	1935	3990.	16	637.	7	30						
MAY	1935	1980.	1	832.	31	31						
JUN	1935	784.	1	162.	29	30						
JUL	1935	208.	1	72.	31	31						
AUG	1935	82.	20	44.	31	31						
SEP	1935	52.	17	39.	9	42.						
OCT	1935	92.	13	33.	31	31						
NOV	1935	114.	26	33.	1	71.						
DEC	1935	220.	13	39.	4	90.						
JAN	1936	330.	13	50.	24	31						
FEB	1936	500.	29	60.	2	29						
MAR	1936	2360.	9	247.	31	31						
APR	1936	3670.	13	208.	5	30						
MAY	1936	2120.	6	338.	31	31						
JUN	1936	1630.	8	142.	30	30						
JUL	1936	139.	9	56.	31	31						
AUG	1936	56.	1	32.	27	31						
SEP	1936	84.	5	37.	1	49.						
OCT	1936	52.	5	39.	1	46.						
NOV	1936	80.	17	21.	3	42.						
DEC	1936	205.	23	25.	1	81.						
JAN	1937	40.	1	30.	5	37.						
FEB	1937	70.	28	30.	6	42.						
MAR	1937	1130.	31	80.	1	513.						
APR	1937	6370.	15	823.	7	2141.						
MAY	1937	2200.	4	527.	31	1156.						
							3670.	13 APR	32.	27 AUG	411.	366
							4330.	13 MAR	39.	9 SEP	569.	365
							10900.	22 DEC	34.	2 SEP	846.	365

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MONTH	YEAR	***** MONTHLY FLOW DATA *****				COUNT	***** YEARLY FLOW DATA *****				AVERAGE	COUNT
		MAXIMUM	DAY	MINIMUM	DAY		MAXIMUM	DAY	MINIMUM	DAY		
JUN	1937	480.	1	197.	30	30					337.	30
JUL	1937	185.	1	66.	30	31					104.	31
AUG	1937	84.	2	45.	30	31					59.	31
SEP	1937	98.	6	43.	17	30	6370.	15 APR	21.	3 NOV	384.	365
OCT	1937	101.	5	45.	1	31					67.	31
NOV	1937	1380.	28	63.	5	30					280.	30
DEC	1937	1900.	31	119.	9	31					577.	31
JAN	1938	1830.	15	238.	30	31					618.	31
FEB	1938	549.	28	276.	25	28					382.	28
MAR	1938	3670.	16	662.	1	31					1567.	31
APR	1938	7980.	18	812.	3	30					2002.	30
MAY	1938	1560.	1	460.	31	31					789.	31
JUN	1938	434.	1	138.	30	30					247.	30
JUL	1938	134.	1	63.	27	31					93.	31
AUG	1938	73.	19	41.	31	31					55.	31
SEP	1938	266.	9	38.	5	30	7980.	18 APR	38.	5 SEP	562.	365
OCT	1938	202.	12	50.	1	31					71.	31
NOV	1938	247.	17	68.	12	30					111.	30
DEC	1938	486.	8	80.	17	31					155.	31
JAN	1939	300.	1	120.	21	31					159.	31
FEB	1939	120.	11	90.	6	28					108.	28
MAR	1939	3460.	26	108.	2	31					961.	31
APR	1939	2530.	3	1110.	8	30					1578.	30
MAY	1939	1440.	1	291.	29	31					641.	31
JUN	1939	296.	4	127.	30	30					215.	30
JUL	1939	120.	6	54.	29	31					85.	31
AUG	1939	54.	1	34.	20	31					41.	31
SEP	1939	68.	15	32.	25	30					39.	30
OCT	1939	101.	6	34.	1	31	3460.	26 MAR	32.	25 SEP	348.	365
NOV	1939	86.	8	26.	29	30					54.	30
DEC	1939	422.	17	43.	6	31					55.	31
JAN	1940	450.	3	60.	19	31					138.	31
FEB	1940	4220.	26	100.	1	29					161.	29
MAR	1940	3780.	8	592.	15	31					1043.	31
APR	1940	1630.	10	563.	23	30					1333.	30
MAY	1940	967.	3	215.	30	31					885.	31
JUN	1940	224.	8	66.	29	30					510.	30
JUL	1940	210.	28	34.	25	31					126.	31
AUG	1940	52.	1	31.	21	31					56.	31
SEP	1940	172.	29	31.	1	30					36.	30
OCT	1940	386.	4	63.	20	31	4220.	26 FEB	26.	29 NOV	369.	366
NOV	1940	1700.	29	60.	23	30					115.	30
DEC	1940	1200.	26	80.	16	31					214.	31
JAN	1941	1440.	26	140.	13	28					523.	28
FEB	1941	884.	12	313.	26	31					451.	31
MAR	1941	1100.	2	323.	15	30					463.	30
APR	1941	493.	4	215.	26	31					510.	31
MAY	1941	1760.	18	228.	1	30					321.	30
JUN	1941	874.	29	193.	27	31					486.	31
JUL	1941	281.	1	71.	25	31					357.	30
											122.	31

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MONTH	YEAR	***** MONTHLY FLOW DATA *****				***** YEARLY FLOW DATA *****							
		MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT	MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT
AUG	1941	79.	23	71.	7	72.	31						
SEP	1941	176.	13	71.	1	102.	30	1760.	18 MAY	60.	23 NOV	311.	365
OCT	1941	302.	9	76.	1	149.	31						
NOV	1941	985.	16	108.	1	257.	30						
DEC	1941	2570.	3	140.	1	736.	31						
JAN	1942	300.	24	150.	1	199.	31						
FEB	1942	1200.	5	91.	21	464.	28						
MAR	1942	2200.	10	189.	1	578.	31						
APR	1942	1400.	15	600.	30	926.	30						
MAY	1942	1180.	27	410.	21	632.	31						
JUN	1942	640.	1	194.	25	392.	30						
JUL	1942	319.	17	97.	29	168.	31						
AUG	1942	97.	1	46.	24	57.	31	2570.	3 DEC	46.	24 AUG	383.	365
SEP	1942	56.	1	49.	6	51.	30						
OCT	1942	148.	28	44.	2	63.	31						
NOV	1942	1520.	24	82.	13	321.	30						
DEC	1942	985.	23	108.	8	381.	31						
JAN	1943	1080.	1	148.	10	378.	31						
FEB	1943	940.	22	150.	11	334.	28						
MAR	1943	3200.	29	308.	5	858.	31						
APR	1943	5630.	1	1030.	27	2395.	30						
MAY	1943	1870.	2	760.	17	1000.	31						
JUN	1943	985.	20	396.	30	677.	30						
JUL	1943	390.	1	82.	31	200.	31						
AUG	1943	79.	1	53.	25	67.	31						
SEP	1943	79.	2	46.	16	56.	30	5630.	1 APR	44.	2 OCT	559.	365
OCT	1943	108.	25	46.	1	73.	31						
NOV	1943	116.	6	65.	26	83.	30						
DEC	1943	940.	4	70.	11	202.	31						
JAN	1944	200.	1	70.	7	117.	31						
FEB	1944	250.	6	80.	1	131.	29						
MAR	1944	330.	24	97.	28	223.	31						
APR	1944	1840.	13	378.	1	813.	30						
MAY	1944	592.	1	212.	30	339.	31						
JUN	1944	230.	1	94.	30	162.	30						
JUL	1944	88.	1	39.	31	65.	31						
AUG	1944	60.	14	33.	25	39.	31						
SEP	1944	65.	30	30.	8	41.	30	1840.	13 APR	30.	8 SEP	190.	366
OCT	1944	76.	2	42.	13	52.	31						
NOV	1944	101.	4	40.	17	75.	30						
DEC	1944	1030.	6	35.	24	104.	31						
JAN	1945	2000.	13	40.	1	429.	31						
FEB	1945	1730.	9	100.	1	391.	28						
MAR	1945	1660.	22	110.	5	674.	31						
APR	1945	1590.	8	548.	5	963.	30						
MAY	1945	1660.	4	555.	31	992.	31						
JUN	1945	525.	1	180.	30	309.	30						
JUL	1945	160.	1	55.	31	94.	31						
AUG	1945	60.	28	36.	18	44.	31						
SEP	1945	184.	24	33.	3	70.	30	2000.	13 JAN	33.	3 SEP	349.	365

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MONTH	YEAR	***** MONTHLY FLOW DATA *****				***** YEARLY FLOW DATA *****							
		MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT	MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT
OCT	1945	89.	21	54.	5	63.	31						
NOV	1945	1720.	27	48.	9	264.	30						
DEC	1945	2640.	30	100.	15	468.	31						
JAN	1946	2830.	5	200.	23	637.	31						
FEB	1946	1470.	28	250.	1	372.	28						
MAR	1946	2440.	13	828.	5	1484.	31						
APR	1946	2780.	20	1240.	10	1855.	30						
MAY	1946	1750.	5	610.	25	1042.	31						
JUN	1946	564.	6	190.	28	316.	30						
JUL	1946	203.	9	74.	30	117.	31						
AUG	1946	72.	1	51.	21	60.	31						
SEP	1946	89.	6	49.	3	58.	30	2830.	5 JAN	48.	9 NOV	562.	365
OCT	1946	235.	23	51.	1	90.	31						
NOV	1946	1480.	28	70.	16	370.	30						
DEC	1946	7710.	15	210.	31	998.	31						
JAN	1947	4000.	26	130.	16	630.	31						
FEB	1947	2220.	15	320.	11	1129.	28						
MAR	1947	2340.	31	602.	9	1185.	31						
APR	1947	2220.	1	1010.	13	1348.	30						
MAY	1947	1060.	1	235.	30	585.	31						
JUN	1947	838.	9	173.	30	333.	30						
JUL	1947	165.	1	68.	31	102.	31						
AUG	1947	66.	1	46.	19	55.	31						
SEP	1947	226.	17	43.	5	83.	30	7710.	15 DEC	43.	5 SEP	572.	365
OCT	1947	579.	20	68.	1	238.	31						
NOV	1947	2360.	8	190.	3	621.	30						
DEC	1947	1970.	19	323.	12	652.	31						
JAN	1948	7500.	7	270.	27	1062.	31						
FEB	1948	8110.	26	220.	11	995.	29						
MAR	1948	2290.	22	394.	20	857.	31						
APR	1948	6080.	18	1240.	8	2588.	30						
MAY	1948	6410.	24	1530.	3	2910.	31						
JUN	1948	2120.	1	388.	30	976.	30						
JUL	1948	1000.	29	125.	26	297.	31						
AUG	1948	492.	2	114.	31	209.	31						
SEP	1948	161.	27	89.	16	104.	30	8110.	26 FEB	68.	1 OCT	958.	366
OCT	1948	199.	5	76.	20	93.	31						
NOV	1948	1030.	24	94.	11	196.	30						
DEC	1948	346.	3	120.	24	197.	31						
JAN	1949	180.	1	120.	10	138.	31						
FEB	1949	2000.	24	120.	1	609.	28						
MAR	1949	3670.	20	922.	29	1638.	31						
APR	1949	4920.	20	1140.	1	2808.	30						
MAY	1949	4060.	3	500.	31	1600.	31						
JUN	1949	506.	1	154.	28	251.	30						
JUL	1949	168.	1	81.	31	108.	31						
AUG	1949	79.	1	46.	31	60.	31						
SEP	1949	164.	16	44.	2	62.	30	4920.	20 APR	44.	2 SEP	645.	365
OCT	1949	213.	29	60.	4	89.	31						
NOV	1949	321.	27	74.	6	143.	30						

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ST. MARIES RIVER AT LOTUS (1921-66)

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MONTH	YEAR	***** MONTHLY FLOW DATA *****				***** YEARLY FLOW DATA *****							
		MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT	MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT
DEC	1949	234.	1	70.	20	110.	31						
JAN	1950	600.	23	70.	4	145.	31						
FEB	1950	6000.	25	130.	1	1111.	28						
MAR	1950	7020.	18	488.	15	1801.	31						
APR	1950	6080.	2	1330.	30	2699.	30						
MAY	1950	3630.	14	1100.	31	1916.	31						
JUN	1950	2180.	14	625.	30	1084.	30						
JUL	1950	574.	1	154.	27	273.	31						
AUG	1950	161.	1	79.	30	108.	31						
SEP	1950	111.	27	62.	23	74.	30	7020.	18 MAR	60.	4 OCT	791.	365
OCT	1950	666.	30	71.	2	163.	31						
NOV	1950	1060.	25	154.	15	328.	30						
DEC	1950	1850.	24	256.	6	713.	31						
JAN	1951	1640.	26	335.	7	532.	31						
FEB	1951	8500.	11	280.	28	1430.	28						
MAR	1951	1270.	30	170.	12	617.	31						
APR	1951	2590.	6	716.	26	1497.	30						
MAY	1951	1160.	14	377.	31	753.	31						
JUN	1951	590.	8	161.	30	286.	30						
JUL	1951	227.	5	71.	31	115.	31						
AUG	1951	85.	30	53.	21	61.	31						
SEP	1951	80.	26	47.	21	59.	30	8500.	11 FEB	47.	21 SEP	539.	365
OCT	1951	666.	24	71.	10	190.	31						
NOV	1951	801.	30	88.	2	227.	30						
DEC	1951	1580.	1	120.	24	308.	31						
JAN	1952	320.	31	140.	3	179.	31						
FEB	1952	1000.	5	220.	24	481.	29						
MAR	1952	2210.	28	180.	6	605.	31						
APR	1952	4440.	7	1140.	1	2560.	30						
MAY	1952	2060.	1	424.	31	1000.	31						
JUN	1952	590.	30	251.	19	339.	30						
JUL	1952	467.	1	91.	30	169.	31						
AUG	1952	99.	11	56.	30	72.	31						
SEP	1952	76.	11	44.	28	57.	30	4440.	7 APR	44.	28 SEP	513.	366
OCT	1952	54.	31	44.	1	48.	31						
NOV	1952	76.	16	15.	28	46.	30						
DEC	1952	133.	14	35.	26	64.	31						
JAN	1953	2760.	19	40.	1	964.	31						
FEB	1953	3440.	4	256.	24	1019.	28						
MAR	1953	1190.	25	330.	6	707.	31						
APR	1953	3210.	29	449.	11	979.	30						
MAY	1953	2010.	25	666.	23	1108.	31						
JUN	1953	1240.	8	250.	30	582.	30						
JUL	1953	240.	1	84.	31	141.	31						
AUG	1953	140.	25	62.	20	74.	31						
SEP	1953	69.	28	49.	22	56.	30	3440.	4 FEB	15.	28 NOV	479.	365
OCT	1953	80.	20	51.	11	58.	31						
NOV	1953	250.	17	56.	5	109.	30						
DEC	1953	3260.	20	133.	5	378.	31						
JAN	1954	1800.	29	130.	20	457.	31						

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***** YEARLY FLOW DATA *****

MONTH	YEAR	MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT	MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT
FEB	1954	2700.	22	480.	6	1233.	28						
MAR	1954	3520.	10	480.	7	918.	31						
APR	1954	5080.	14	597.	1	1977.	30						
MAY	1954	1780.	10	530.	30	1063.	31						
JUN	1954	818.	8	287.	30	469.	30						
JUL	1954	316.	2	99.	31	174.	31						
AUG	1954	287.	21	76.	13	107.	31						
SEP	1954	182.	18	74.	12	92.	30						
OCT	1954	217.	22	69.	16	89.	31						
NOV	1954	471.	19	81.	2	165.	30						
DEC	1954	205.	31	50.	18	112.	31						
JAN	1955	371.	1	85.	22	126.	31						
FEB	1955	770.	9	80.	4	198.	28						
MAR	1955	599.	30	100.	4	284.	31						
APR	1955	2730.	22	619.	4	1411.	30						
MAY	1955	2330.	21	1030.	31	1567.	31						
JUN	1955	952.	1	255.	23	588.	30						
JUL	1955	596.	7	141.	31	280.	31						
AUG	1955	129.	1	69.	30	89.	31						
SEP	1955	151.	17	61.	12	81.	30						
OCT	1955	880.	10	72.	3	203.	31						
NOV	1955	1600.	26	197.	3	504.	30						
DEC	1955	7000.	22	240.	8	1400.	31						
JAN	1956	1210.	5	450.	31	751.	31						
FEB	1956	550.	4	300.	2	418.	29						
MAR	1956	2500.	26	400.	11	1057.	31						
APR	1956	5070.	16	1720.	3	3061.	30						
MAY	1956	4430.	9	794.	31	1728.	31						
JUN	1956	808.	16	227.	30	468.	30						
JUL	1956	286.	4	99.	30	160.	31						
AUG	1956	180.	27	71.	20	93.	31						
SEP	1956	104.	30	64.	18	74.	30						
OCT	1956	214.	26	71.	7	119.	31						
NOV	1956	188.	14	65.	30	119.	30						
DEC	1956	972.	18	75.	1	318.	31						
JAN	1957	160.	1	40.	17	84.	31						
FEB	1957	2000.	27	70.	2	357.	28						
MAR	1957	2250.	31	650.	5	1199.	31						
APR	1957	3720.	6	1280.	28	2018.	30						
MAY	1957	7620.	21	843.	31	2212.	31						
JUN	1957	780.	1	184.	30	416.	30						
JUL	1957	176.	1	82.	31	118.	31						
AUG	1957	112.	7	60.	22	71.	31						
SEP	1957	64.	2	45.	17	52.	30						
OCT	1957	168.	27	56.	1	85.	31						
NOV	1957	414.	14	55.	9	118.	30						
DEC	1957	650.	21	100.	1	243.	31						
JAN	1958	1130.	30	100.	8	346.	31						
FEB	1958	3980.	25	384.	5	1572.	28						
MAR	1958	1260.	26	278.	17	646.	31						
								7620.	21 MAY	40.	17 JAN	591.	365
								2730.	22 APR	50.	18 DEC	416.	365
								7000.	22 DEC	64.	18 SEP	826.	366
								5080.	14 APR	51.	11 OCT	580.	365

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ST. MARIES RIVER AT LOTUS (1921-66)

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MONTH	YEAR	***** MONTHLY FLOW DATA *****				***** YEARLY FLOW DATA *****							
		MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT	MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT
JUN	1962	635.	3	177.	30	351.	30						
JUL	1962	166.	1	74.	31	115.	31						
AUG	1962	104.	5	56.	26	71.	31						
SEP	1962	149.	11	42.	9	67.	30	6420.	7 APR	21.	17 NOV	418.	365
OCT	1962	362.	12	58.	5	114.	31						
NOV	1962	700.	21	68.	3	221.	30						
DEC	1962	979.	18	189.	13	353.	31						
JAN	1963	511.	3	100.	11	223.	31						
FEB	1963	2200.	4	210.	1	1103.	28						
MAR	1963	3420.	30	320.	17	748.	31						
APR	1963	1920.	1	812.	22	1207.	30						
MAY	1963	818.	1	258.	30	482.	31						
JUN	1963	364.	6	137.	28	209.	30						
JUL	1963	143.	1	62.	31	93.	31						
AUG	1963	62.	1	46.	30	54.	31						
SEP	1963	98.	15	41.	11	58.	30	3420.	30 MAR	41.	11 SEP	400.	365
OCT	1963	140.	24	47.	19	61.	31						
NOV	1963	270.	9	56.	2	140.	30						
DEC	1963	140.	6	66.	11	102.	31						
JAN	1964	270.	26	100.	1	155.	31						
FEB	1964	200.	1	130.	21	159.	29						
MAR	1964	1570.	31	130.	8	315.	31						
APR	1964	2860.	16	1240.	6	1823.	30						
MAY	1964	2670.	20	1090.	27	1782.	31						
JUN	1964	1740.	9	298.	30	874.	30						
JUL	1964	282.	1	111.	28	183.	31						
AUG	1964	201.	29	78.	17	108.	31						
SEP	1964	157.	3	75.	16	97.	30	2860.	16 APR	47.	19 OCT	482.	366
OCT	1964	153.	11	77.	7	94.	31						
NOV	1964	2200.	25	50.	17	240.	30						
DEC	1964	15000.	23	180.	17	1699.	31						
JAN	1965	6000.	29	380.	12	1014.	31						
FEB	1965	2500.	1	620.	15	1099.	28						
MAR	1965	1570.	1	398.	28	934.	31						
APR	1965	11000.	20	704.	1	3087.	30						
MAY	1965	2100.	1	398.	31	973.	31						
JUN	1965	783.	16	214.	30	336.	30						
JUL	1965	209.	1	96.	31	146.	31						
AUG	1965	282.	20	65.	18	124.	31						
SEP	1965	194.	15	80.	12	98.	30	15000.	23 DEC	50.	17 NOV	817.	365
OCT	1965	129.	20	68.	31	80.	31						
NOV	1965	184.	23	63.	3	102.	30						
DEC	1965	137.	6	41.	18	93.	31						
JAN	1966	680.	7	66.	3	242.	31						
FEB	1966	249.	6	115.	1	166.	28						
MAR	1966	2740.	31	125.	4	994.	31						
APR	1966	2750.	1	536.	30	1257.	30						
MAY	1966	1100.	6	285.	30	548.	31						
JUN	1966	314.	4	119.	30	208.	30						
JUL	1966	139.	4	54.	30	87.	31						

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ST. MARIES RIVER AT LOTUS (1921-66)

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***** MONTHLY FLOW DATA *****

***** YEARLY FLOW DATA *****

MONTH	YEAR	MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT	MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT
AUG	1966	109.	28	38.	26	51.	31	2750.	1 APR	38.	26 AUG	323.	365
SEP	1966	59.	1	39.	10	48.	30						

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SUMMARY HYDROGRAPH DATA

IDAHO DEPARTMENT OF WATER RESOURCES

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ST. MARIES RIVER AT LOTUS (1921-66)

***** MEAN DAILY FLOW BY MONTH *****

MONTH	MAXIMUM	YEAR DAY	MINIMUM	YEAR DAY	AVERAGE	COUNT
OCT	1220.	1927 4	33.	1935 31	107.	1426
NOV	5800.	1927 25	15.	1952 28	249.	1380
DEC	15000.	1964 23	22.	1929 4	438.	1426
JAN	7500.	1948 7	18.	1930 17	435.	1426
FEB	8500.	1951 11	24.	1929 8	645.	1299
MAR	7710.	1921 18	50.	1922 1	945.	1426
APR	11000.	1965 20	102.	1929 8	1694.	1380
MAY	7620.	1957 21	157.	1926 31	1063.	1426
JUN	3030.	1923 2	66.	1940 29	406.	1380
JUL	1000.	1948 29	32.	1931 29	126.	1426
AUG	492.	1948 2	21.	1931 28	68.	1426
SEP	380.	1927 12	22.	1931 4	69.	1380

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***** YEARLY FLOW DATA *****

MAXIMUM	YE AR	MINIMUM	YEAR	AVERAGE	COUNT
15000.	1964	15.	1952	519.	16801

***** MEAN MONTHLY FLOW DATA *****

MONTH	MAXIMUM	YEAR	MINIMUM	YEAR
OCT	360.	1927	46.	1936
NOV	1798.	1927	42.	1936
DEC	3322.	1933	38.	1930
JAN	2290.	1934	28.	1930
FEB	2318.	1961	33.	1929
MAR	2008.	1928	71.	1922
APR	3087.	1965	321.	1941
MAY	2910.	1948	285.	1934
JUN	1084.	1950	120.	1931
JUL	297.	1948	50.	1931
AUG	209.	1948	26.	1931
SEP	161.	1927	34.	1929

***** MEAN ANNUAL FLOW DATA *****

MAXIMUM	YEAR	MINIMUM	YEAR
958.	1948	190.	1944

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SUMMARY HYDROGRAPH DATA

IDAHO DEPARTMENT OF WATER RESOURCES

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ST. MARIES RIVER AT LOTUS (1921-66)

FLOW DURATION TABLE FOR STATION 12415000

PERCENT = / +	PERCENT = / +	PERCENT = / +	PERCENT = / +	PERCENT = / +	PERCENT = / +
FLOW	FLOW	FLOW	FLOW	FLOW	FLOW
1650.	1550.	1450.	1350.	1250.	1150.
1050.	950.	850.	750.	650.	580.
630.	620.	610.	600.	590.	580.
570.	560.	550.	540.	530.	520.
510.	500.	490.	480.	470.	460.
450.	440.	430.	420.	410.	400.
390.	380.	370.	360.	350.	340.
330.	320.	310.	300.	290.	280.
270.	260.	250.	245.	240.	235.
230.	225.	220.	215.	210.	205.
200.	195.	190.	185.	180.	175.
170.	165.	160.	155.	150.	145.
140.	135.	130.	125.	120.	115.
110.	105.	100.	95.	90.	85.
80.	75.	70.	65.	60.	55.
50.	45.	40.	35.	30.	25.
20.	15.	10.	5.		
7.67	8.74	9.75	11.05	12.56	14.26
16.05	17.79	20.03	22.33	24.82	25.19
25.40	25.63	25.89	26.35	26.74	26.96
27.30	27.54	27.94	28.30	28.63	28.90
29.22	29.64	30.05	30.44	30.82	31.12
31.72	32.20	32.51	32.94	33.41	33.93
34.42	34.86	35.24	35.77	36.53	37.13
37.73	38.39	39.04	40.00	40.67	41.38
42.21	42.82	44.10	44.41	44.87	45.15
45.58	45.91	46.43	46.80	47.34	47.87
48.89	49.25	49.94	50.34	51.32	51.93
52.73	53.22	54.18	54.69	55.96	56.51
57.54	58.20	59.49	60.31	61.64	62.52
63.85	65.14	66.88	68.35	70.07	71.76
74.07	76.51	79.32	81.76	84.56	87.33
91.38	94.30	96.77	98.37	99.40	99.64
99.93	100.00	100.00	100.00		

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 RECORDED
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FLOW DURATION TABLE FOR STATION 12415000 FROM 1 OCT TO 31 OCT

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1650.	0.00	1550.	0.00	1450.	0.00	1350.	0.00	1250.	0.00	1150.	0.07				
1050.	0.07	950.	0.07	850.	0.28	750.	0.42	650.	0.70	640.	0.70				
630.	0.70	620.	0.70	610.	0.70	600.	0.77	590.	0.77	580.	0.77				
570.	0.98	560.	0.98	550.	1.05	540.	1.05	530.	1.05	520.	1.05				
510.	1.19	500.	1.19	490.	1.26	480.	1.40	470.	1.47	460.	1.61				
450.	1.61	440.	1.61	430.	1.68	420.	1.75	410.	1.82	400.	2.03				
390.	2.24	380.	2.45	370.	2.52	360.	2.88	350.	2.95	340.	3.44				
330.	3.58	320.	4.00	310.	4.00	300.	4.42	290.	4.84	280.	5.26				
270.	5.82	260.	5.89	250.	6.45	245.	6.66	240.	7.01	235.	7.29				
230.	7.71	225.	7.99	220.	8.42	215.	8.70	210.	9.68	205.	10.17				
200.	10.73	195.	11.22	190.	11.78	185.	12.06	180.	12.55	175.	13.39				
170.	14.10	165.	14.73	160.	15.36	155.	15.78	150.	16.97	145.	17.67				
140.	18.79	135.	19.85	130.	20.69	125.	21.74	120.	23.07	115.	24.33				
110.	26.02	105.	29.10	100.	31.56	95.	33.31	90.	36.26	85.	39.34				
80.	43.27	75.	48.46	70.	55.40	65.	61.99	60.	68.58	55.	76.65				
50.	86.75	45.	94.25	40.	98.53	35.	99.72	30.	100.00	25.	100.00				
20.	100.00	15.	100.00	10.	100.00	5.	100.00								

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ST. MARIES RIVER AT LOTUS (1921-66)

12415000

FLOW DURATION TABLE FOR STATION 12415000 FROM 1 NOV TO 30 NOV

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1650.	1.67	1550.	1.81	1450.	2.17	1350.	2.39	1250.	2.61	1150.	3.33
1050.	4.20	950.	4.86	850.	5.58	750.	6.52	650.	7.61	640.	7.90
630.	8.19	620.	8.33	610.	8.41	600.	8.70	590.	9.13	580.	9.28
570.	9.42	560.	9.57	550.	9.93	540.	10.29	530.	10.36	520.	10.36
510.	10.65	500.	10.87	490.	11.16	480.	11.52	470.	11.81	460.	11.88
450.	12.25	440.	12.54	430.	12.68	420.	13.33	410.	14.13	400.	14.42
390.	14.71	380.	15.22	370.	15.43	360.	15.80	350.	16.16	340.	16.88
330.	17.10	320.	17.68	310.	17.97	300.	19.42	290.	20.43	280.	21.45
270.	22.10	260.	22.97	250.	24.20	245.	24.86	240.	25.51	235.	25.94
230.	26.23	225.	26.59	220.	27.10	215.	27.61	210.	28.33	205.	29.13
200.	30.51	195.	30.94	190.	32.03	185.	32.97	180.	34.35	175.	35.22
170.	36.01	165.	37.25	160.	38.91	155.	40.22	150.	42.17	145.	43.33
140.	44.57	135.	44.78	130.	46.81	125.	47.75	120.	50.29	115.	52.25
110.	54.20	105.	56.81	100.	59.49	95.	61.88	90.	64.93	85.	68.48
80.	71.81	75.	75.65	70.	78.62	65.	81.81	60.	86.09	55.	88.84
50.	92.75	45.	94.71	40.	96.01	35.	97.68	30.	98.55	25.	99.13
20.	99.64	15.	100.00	10.	100.00	5.	100.00				

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FLOW DURATION TABLE FOR STATION 12415000 FROM 1 DEC TO 31 DEC

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1650.	4.63	1550.	5.19	1450.	5.75	1350.	6.31	1250.	6.73	1150.	7.22				
1050.	7.85	950.	9.33	850.	10.66	750.	12.55	650.	14.10	640.	14.66				
630.	14.87	620.	14.87	610.	15.15	600.	16.55	590.	16.69	580.	16.97				
570.	16.97	560.	17.25	550.	17.60	540.	17.88	530.	18.23	520.	18.72				
510.	19.07	500.	19.71	490.	20.06	480.	20.62	470.	21.32	460.	22.23				
450.	22.93	440.	23.98	430.	24.40	420.	24.75	410.	25.39	400.	25.81				
390.	26.30	380.	26.86	370.	27.21	360.	27.84	350.	29.10	340.	30.01				
330.	30.43	320.	31.28	310.	32.05	300.	32.75	290.	33.80	280.	35.20				
270.	36.40	260.	37.73	250.	40.39	245.	41.09	240.	42.43	235.	42.71				
230.	43.06	225.	43.41	220.	44.25	215.	44.60	210.	45.51	205.	46.07				
200.	48.74	195.	49.44	190.	50.63	185.	51.19	180.	53.51	175.	54.14				
170.	56.17	165.	56.66	160.	57.85	155.	57.92	150.	59.89	145.	60.59				
140.	61.99	135.	62.83	130.	64.52	125.	66.13	120.	68.44	115.	69.50				
110.	70.83	105.	72.65	100.	74.96	95.	76.30	90.	78.40	85.	79.31				
80.	82.54	75.	84.15	70.	86.04	65.	87.03	60.	88.36	55.	89.48				
50.	90.74	45.	92.01	40.	97.76	35.	98.32	30.	99.58	25.	99.79				
20.	100.00	15.	100.00	10.	100.00	5.	100.00								

NOV 2 1966

ST. MARIES RIVER AT LOTUS (1921-66)

12415000

FLOW DURATION TABLE FOR STATION 12415000 FROM 1 JAN TO 31 JAN

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1650.	4.84	1550.	5.26	1450.	5.47	1350.	6.38	1250.	7.15	1150.	8.20	1050.	9.96	950.	10.94
1500.	9.60	950.	10.94	850.	12.34	750.	14.10	650.	16.55	550.	18.72	450.	17.60	350.	17.81
1400.	17.60	620.	17.81	610.	17.88	600.	18.37	590.	18.72	580.	19.21	570.	19.35	560.	19.50
1300.	19.35	560.	19.50	550.	20.62	540.	21.04	530.	21.46	520.	21.81	510.	22.23	500.	22.93
1200.	22.23	500.	22.93	490.	23.14	480.	23.77	470.	24.19	460.	24.40	450.	26.02	440.	27.07
1100.	26.02	440.	27.07	430.	27.84	420.	28.40	410.	28.96	400.	29.80	390.	30.43	380.	31.07
1000.	30.43	380.	31.07	370.	31.35	360.	32.33	350.	33.73	340.	34.22	330.	34.64	320.	34.92
900.	34.64	320.	34.92	310.	35.13	300.	37.80	290.	38.22	280.	38.92	270.	39.76	260.	40.95
800.	39.76	260.	40.95	250.	42.99	245.	42.99	240.	43.34	235.	43.41	230.	44.39	225.	44.67
700.	44.39	225.	44.67	220.	45.37	215.	45.58	210.	46.21	205.	46.63	200.	50.14	195.	50.35
600.	50.14	195.	50.35	190.	51.54	185.	51.61	180.	54.49	175.	55.75	170.	58.06	165.	58.20
500.	58.06	165.	58.20	160.	60.03	155.	60.24	150.	63.96	145.	64.31	140.	67.67	135.	67.88
400.	67.67	135.	67.88	130.	72.30	125.	73.00	120.	76.09	115.	76.44	110.	77.84	105.	78.26
300.	77.84	105.	78.26	100.	81.56	95.	82.26	90.	83.59	85.	84.15	80.	85.62	75.	86.04
200.	85.62	75.	86.04	70.	87.87	65.	88.57	60.	90.04	55.	90.88	50.	93.13	45.	93.48
100.	93.13	45.	93.48	40.	95.86	35.	96.91	30.	97.76	25.	98.53	20.	99.51	15.	100.00
	99.51	15.	100.00	10.	100.00	5.	100.00								

MICROFILM
JUN 12 1968

ST. MARIES RIVER AT LOTUS (1921-66)

12415000

FLOW DURATION TABLE FOR STATION 12415000 FROM 1 FEB TO 28 FEB

PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1650.	9.24	1550.	10.16	1450.	11.16	1350.	12.32	1250.	14.16	1150.	17.01			
1050.	18.71	950.	20.40	850.	23.79	750.	26.56	650.	30.72	640.	31.25			
630.	31.41	620.	31.87	610.	32.02	600.	32.95	590.	33.41	580.	33.80			
570.	34.26	560.	34.87	550.	35.72	540.	36.34	530.	36.72	520.	37.18			
510.	37.72	500.	39.18	490.	40.11	480.	41.03	470.	41.42	460.	41.88			
450.	43.26	440.	43.96	430.	44.42	420.	45.50	410.	46.11	400.	47.42			
390.	48.27	380.	49.04	370.	49.65	360.	50.35	350.	51.73	340.	52.58			
330.	53.43	320.	55.20	310.	56.27	300.	57.27	290.	57.97	280.	58.58			
270.	59.12	260.	59.43	250.	63.43	245.	63.74	240.	64.13	235.	64.13			
230.	64.51	225.	64.97	220.	65.67	215.	65.90	210.	66.28	205.	66.59			
200.	68.05	195.	68.13	190.	68.75	185.	68.98	180.	69.75	175.	70.13			
170.	71.29	165.	71.52	160.	73.52	155.	74.13	150.	76.21	145.	76.52			
140.	77.60	135.	77.98	130.	79.29	125.	79.91	120.	81.37	115.	81.68			
110.	82.76	105.	82.99	100.	85.30	95.	85.45	90.	86.22	85.	86.30			
80.	89.22	75.	89.99	70.	91.30	65.	91.61	60.	92.38	55.	93.92			
50.	94.84	45.	95.15	40.	97.15	35.	98.15	30.	99.08	25.	99.92			
20.	100.00	15.	100.00	10.	100.00	5.	100.00							

MICROFILMED
JUN 12 1968

12415000

FLOW	PERCENT = / +	PERCENT = / +	FLOW	PERCENT = / +	PERCENT = / +	FLOW	PERCENT = / +	PERCENT = / +	FLOW	PERCENT = / +	PERCENT = / +
1650.	41.45	1550.	46.16	1450.	50.87	1350.	56.09	1250.	61.52	1150.	66.45
1050.	71.67	950.	75.87	850.	79.64	750.	84.20	650.	89.20	640.	89.71
630.	89.86	620.	89.86	610.	90.51	600.	91.09	590.	91.30	580.	91.81
570.	92.46	560.	92.83	550.	93.04	540.	93.19	530.	93.77	520.	93.84
510.	94.13	500.	94.13	490.	94.93	480.	95.07	470.	95.72	460.	95.72
450.	96.23	440.	96.38	430.	96.38	420.	96.52	410.	96.59	400.	96.67
390.	96.74	380.	96.88	370.	97.03	360.	97.17	350.	97.32	340.	97.54
330.	97.75	320.	97.83	310.	97.90	300.	97.97	290.	97.97	280.	98.04
270.	98.33	260.	98.55	250.	98.77	245.	98.91	240.	98.91	235.	99.06
230.	99.13	225.	99.28	220.	99.49	215.	99.86	210.	99.86	205.	99.93
200.	99.93	195.	99.93	190.	99.93	185.	99.93	180.	99.93	175.	99.93
170.	99.93	165.	99.93	160.	99.93	155.	99.93	150.	99.93	145.	99.93
140.	99.93	135.	99.93	130.	99.93	125.	99.93	120.	99.93	115.	99.93
110.	99.93	105.	99.93	100.	100.00	95.	100.00	90.	100.00	85.	100.00
80.	100.00	75.	100.00	70.	100.00	65.	100.00	60.	100.00	55.	100.00
50.	100.00	45.	100.00	40.	100.00	35.	100.00	30.	100.00	25.	100.00
20.	100.00	15.	100.00	10.	100.00	5.	100.00				

MICROFILMED
JUN 12 1938

12415000

PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW
1650.	14.73	1550.	18.23	1450.	20.97	1350.	25.32	1250.	30.50
1050.	41.51	950.	47.05	850.	56.17	750.	63.60	650.	69.28
630.	70.55	620.	71.39	610.	72.09	600.	72.51	590.	73.49
570.	74.89	560.	75.25	550.	75.81	540.	77.21	530.	77.98
510.	79.24	500.	79.80	490.	80.50	480.	81.35	470.	82.05
450.	83.59	440.	83.94	430.	84.22	420.	85.06	410.	85.69
390.	86.82	380.	87.17	370.	87.73	360.	88.29	350.	88.92
330.	90.25	320.	90.67	310.	91.58	300.	92.08	290.	93.06
270.	94.81	260.	95.30	250.	95.93	245.	96.28	240.	96.70
230.	97.48	225.	97.76	220.	98.11	215.	98.60	210.	98.81
200.	99.02	195.	99.09	190.	99.16	185.	99.30	180.	99.51
170.	99.65	165.	99.86	160.	99.93	155.	100.00	150.	100.00
140.	100.00	135.	100.00	130.	100.00	125.	100.00	120.	100.00
110.	100.00	105.	100.00	100.	100.00	95.	100.00	90.	100.00
80.	100.00	75.	100.00	70.	100.00	65.	100.00	60.	100.00
50.	100.00	45.	100.00	40.	100.00	35.	100.00	30.	100.00
20.	100.00	15.	100.00	10.	100.00	5.	100.00		

MICROFILMED
JUN 12 1958

ST. MARIES RIVER AT LOTUS (1921-66)

12415000

FLOW DURATION TABLE FOR STATION 12415000 FROM 1 JUN TO 30 JUN

FLOW	PERCENT = / +	PERCENT = / +	FLOW	PERCENT = / +	PERCENT = / +	FLOW	PERCENT = / +	PERCENT = / +	FLOW	PERCENT = / +	PERCENT = / +
1650.	0.94	1550.	1.30	1450.	1.52	1350.	2.03	1250.	2.61	1150.	3.33
1050.	5.00	950.	6.59	850.	8.62	750.	11.52	650.	15.36	640.	15.87
630.	16.23	620.	16.45	610.	17.03	600.	17.46	590.	18.55	580.	18.84
570.	19.42	560.	20.07	550.	20.58	540.	21.16	530.	22.25	520.	23.04
510.	23.91	500.	24.08	490.	25.29	480.	25.87	470.	26.52	460.	27.39
450.	28.26	440.	29.64	430.	30.22	420.	31.23	410.	32.75	400.	33.84
390.	35.65	380.	37.17	370.	38.26	360.	39.57	350.	41.67	340.	43.33
330.	45.36	320.	47.46	310.	49.78	300.	51.96	290.	54.28	280.	56.45
270.	60.51	260.	62.03	250.	64.57	240.	65.36	230.	66.59	225.	67.75
230.	69.20	225.	70.22	220.	71.45	215.	72.46	210.	73.77	205.	75.65
200.	76.52	195.	78.12	190.	80.22	185.	81.59	180.	83.41	175.	84.57
170.	85.43	165.	86.52	160.	87.61	155.	88.55	150.	89.35	145.	90.58
140.	91.67	135.	92.83	130.	93.70	125.	94.28	120.	94.71	115.	95.22
110.	95.94	105.	96.88	100.	97.61	95.	98.12	90.	98.70	85.	99.20
80.	99.42	75.	99.57	70.	99.86	65.	100.00	60.	100.00	55.	100.00
50.	100.00	45.	100.00	40.	100.00	35.	100.00	30.	100.00	25.	100.00
20.	100.00	15.	100.00	10.	100.00	5.	100.00				

FLOW DURATION TABLE FOR STATION 12415000 FROM 1 JUL TO 31 JUL

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1650.	0.00	1550.	0.00	1450.	0.00	1350.	0.00	1250.	0.00	1150.	0.00				
1050.	0.00	950.	0.07	850.	0.07	750.	0.07	650.	0.14	640.	0.14				
630.	0.14	620.	0.14	610.	0.14	600.	0.14	590.	0.21	580.	0.21				
570.	0.28	560.	0.35	550.	0.35	540.	0.35	530.	0.42	520.	0.42				
510.	0.42	500.	0.49	490.	0.49	480.	0.49	470.	0.56	460.	0.56				
450.	0.63	440.	0.84	430.	0.91	420.	0.98	410.	0.98	400.	1.12				
390.	1.26	380.	1.33	370.	1.47	360.	1.82	350.	2.03	340.	2.10				
330.	2.17	320.	2.31	310.	3.23	300.	3.44	290.	3.86	280.	4.21				
270.	4.70	260.	4.98	250.	5.68	245.	5.89	240.	6.31	235.	6.66				
230.	7.08	225.	7.57	220.	8.20	215.	8.84	210.	9.82	205.	11.15				
200.	12.27	195.	12.69	190.	13.60	185.	14.45	180.	15.50	175.	17.11				
170.	18.09	165.	19.35	160.	21.11	155.	22.93	150.	25.25	145.	26.72				
140.	28.54	135.	31.35	130.	33.66	125.	37.10	120.	40.39	115.	43.48				
110.	48.60	105.	52.38	100.	56.17	95.	61.08	90.	65.57	85.	71.04				
80.	75.67	75.	80.36	70.	85.13	65.	88.36	60.	91.30	55.	94.32				
50.	96.77	45.	97.97	40.	99.02	35.	99.65	30.	100.00	25.	100.00				
20.	100.00	15.	100.00	10.	100.00	5.	100.00								

MICROFILMED
JUL 12 1968

ST. MARIES RIVER AT LOTUS (1921-66)

12415000

FLOW DURATION TABLE FOR STATION 12415000 FROM 1 AUG TO 31 AUG

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1650.	0.00	1550.	0.00	1450.	0.00	1350.	0.00	1250.	0.00
1050.	0.00	950.	0.00	850.	0.00	750.	0.00	650.	0.00
630.	0.00	620.	0.00	610.	0.00	600.	0.00	590.	0.00
570.	0.00	560.	0.00	550.	0.00	540.	0.00	530.	0.00
510.	0.00	500.	0.00	490.	0.07	480.	0.07	470.	0.07
450.	0.07	440.	0.07	430.	0.07	420.	0.07	410.	0.14
390.	0.21	380.	0.21	370.	0.21	360.	0.21	350.	0.21
330.	0.21	320.	0.28	310.	0.28	300.	0.28	290.	0.35
270.	0.56	260.	0.56	250.	0.63	245.	0.77	240.	0.77
230.	0.91	225.	0.98	220.	1.05	215.	1.05	210.	1.05
200.	1.19	195.	1.33	190.	1.47	185.	1.61	180.	1.75
170.	1.89	165.	2.10	160.	2.31	155.	2.52	150.	2.73
140.	3.72	135.	4.14	130.	4.63	125.	4.91	120.	5.54
110.	7.29	105.	8.42	100.	9.40	95.	12.20	90.	14.10
80.	20.90	75.	27.63	70.	36.04	65.	44.81	60.	54.84
50.	74.12	45.	82.47	40.	87.59	35.	94.67	30.	98.53
20.	100.00	15.	100.00	10.	100.00	5.	100.00		

MICROFILMED

JUL 12 1968

ST. MARIES RIVER AT LOTUS (1921-66)

12415000

FLOW DURATION TABLE FOR STATION 12415000 FROM 1 SEP TO 30 SEP

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1650.	0.00	1550.	0.00	1450.	0.00	1350.	0.00	1250.	0.00	1150.	0.00	640.	0.00	580.	0.00
1050.	0.00	950.	0.00	850.	0.00	750.	0.00	650.	0.00	590.	0.00	520.	0.00	460.	0.00
630.	0.00	620.	0.00	610.	0.00	600.	0.00	590.	0.00	530.	0.00	470.	0.00	400.	0.00
570.	0.00	560.	0.00	550.	0.00	540.	0.00	530.	0.00	470.	0.00	410.	0.00	340.	0.29
510.	0.00	500.	0.00	490.	0.00	480.	0.00	470.	0.00	410.	0.00	350.	0.22	280.	0.87
450.	0.00	440.	0.00	430.	0.00	420.	0.00	410.	0.00	350.	0.22	290.	0.87	235.	1.59
390.	0.00	380.	0.14	370.	0.14	360.	0.22	350.	0.22	290.	0.87	240.	1.52	205.	2.03
330.	0.29	320.	0.43	310.	0.58	300.	0.80	290.	0.87	240.	1.52	210.	1.96	175.	2.61
270.	0.94	260.	1.16	250.	1.30	245.	1.38	240.	1.52	210.	1.96	180.	2.39	145.	4.20
230.	1.59	225.	1.67	220.	1.74	215.	1.96	210.	1.96	180.	2.39	150.	4.13	115.	7.54
200.	2.03	195.	2.03	190.	2.17	185.	2.17	180.	2.39	150.	4.13	120.	6.67	85.	18.33
170.	2.68	165.	2.90	160.	3.33	155.	3.55	150.	4.13	120.	6.67	90.	15.87	55.	51.96
140.	4.35	135.	4.93	130.	5.65	125.	6.01	120.	6.67	90.	15.87	60.	44.64	25.	99.42
110.	8.41	105.	9.57	100.	10.87	95.	13.70	90.	15.87	60.	44.64	30.	99.35		
80.	22.75	75.	28.48	70.	33.62	65.	38.77	60.	44.64	30.	99.35				
50.	67.54	45.	81.67	40.	89.28	35.	95.29	30.	99.35						
20.	100.00	15.	100.00	10.	100.00	5.	100.00								

MICROFILMED

JUL 12 1968

STATION ST. MARIES RIVER AT LOTUS (1921-66) 12415000
FLOW DURATION TABLE

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	***** DAILY FLOW DATA *****			
						AVERAGE	COUNT	0.90	EXCEEDANCE FREQUENCY
									0.75 0.50 0.25 0.10
JAN	1	32.	1931	2410.	1934	393.		65.	140. 200. 452. 1300.
JAN	2	32.	1931	2240.	1934	370.		65.	140. 180. 640. 988.
JAN	3	32.	1931	2940.	1934	402.		65.	140. 199. 470. 1350.
JAN	4	35.	1937	5090.	1934	424.		65.	140. 200. 441. 951.
JAN	5	30.	1937	3740.	1934	427.		55.	150. 205. 458. 1210.
JAN	6	30.	1937	3130.	1934	431.		80.	140. 220. 600. 1160.
JAN	7	30.	1937	7500.	1948	576.		70.	130. 215. 640. 1340.
JAN	8	22.	1930	5280.	1948	534.		70.	130. 200. 700. 1170.
JAN	9	26.	1930	2430.	1948	419.		80.	130. 200. 620. 1490.
JAN	10	22.	1930	2660.	1959	371.		80.	140. 175. 430. 1160.
JAN	11	20.	1930	4060.	1959	399.		70.	130. 190. 392. 1160.
JAN	12	21.	1930	3780.	1959	401.		70.	130. 200. 380. 1000.
JAN	13	22.	1930	2490.	1959	398.		70.	130. 190. 440. 1690.
JAN	14	23.	1930	2000.	1928	374.		70.	130. 194. 500. 1130.
JAN	15	21.	1930	2000.	1928	383.		62.	130. 200. 490. 1240.
JAN	16	19.	1930	1630.	1938	345.		60.	130. 190. 460. 1030.
JAN	17	18.	1930	1270.	1953	334.		60.	130. 180. 480. 1150.
JAN	18	20.	1930	2320.	1953	369.		60.	130. 180. 480. 1100.
JAN	19	22.	1930	2760.	1953	377.		60.	120. 175. 450. 1120.
JAN	20	20.	1930	2410.	1934	388.		70.	116. 175. 450. 1100.
JAN	21	19.	1930	2580.	1934	371.		68.	110. 175. 450. 902.
JAN	22	18.	1930	3530.	1934	378.		66.	120. 190. 450. 1090.
JAN	23	18.	1930	6620.	1934	476.		60.	100. 200. 480. 977.
JAN	24	18.	1930	6240.	1959	574.		56.	110. 225. 527. 1400.
JAN	25	19.	1930	4330.	1959	567.		55.	120. 250. 620. 2280.
JAN	26	20.	1930	4000.	1947	531.		55.	120. 250. 550. 1900.
JAN	27	21.	1930	3100.	1959	477.		58.	120. 230. 550. 1420.
JAN	28	24.	1930	2700.	1959	420.		65.	110. 230. 550. 1100.
JAN	29	27.	1930	6000.	1965	572.		70.	120. 240. 560. 1800.
JAN	30	26.	1929	4700.	1965	519.		70.	110. 238. 559. 1360.
JAN	31	34.	1929	3800.	1965	493.		70.	110. 225. 527. 1300.

STATION ST. MARIES RIVER AT LOTUS (1921-66) 12415000
FLOW DURATION TABLE

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	***** DAILY FLOW DATA *****			EXCEEDANCE FREQUENCY		
						AVERAGE	COUNT		0.75	0.50	0.25
FEB	1	35.	1937	3000.	1925	523.		75.	100.	250.	695.
FEB	2	35.	1937	3000.	1925	570.		70.	100.	250.	780.
FEB	3	34.	1930	3000.	1925	553.		75.	100.	330.	788.
FEB	4	35.	1937	3440.	1953	604.		75.	130.	320.	900.
FEB	5	35.	1937	3000.	1925	582.		75.	125.	320.	1000.
FEB	6	30.	1937	3000.	1925	612.		75.	160.	324.	950.
FEB	7	27.	1929	3000.	1925	659.		75.	160.	416.	1050.
FEB	8	24.	1929	2800.	1926	603.		75.	160.	416.	900.
FEB	9	26.	1929	1980.	1926	601.		75.	160.	390.	940.
FEB	10	27.	1929	5750.	1961	752.		75.	160.	390.	976.
FEB	11	29.	1929	8500.	1951	822.		70.	150.	410.	900.
FEB	12	25.	1929	7000.	1951	702.		70.	150.	408.	884.
FEB	13	26.	1929	3000.	1951	601.		70.	155.	375.	885.
FEB	14	25.	1929	2300.	1954	569.		70.	150.	384.	705.
FEB	15	29.	1929	2220.	1947	527.		70.	155.	350.	620.
FEB	16	29.	1929	2610.	1961	518.		80.	180.	330.	652.
FEB	17	28.	1929	1840.	1947	501.		90.	181.	380.	680.
FEB	18	26.	1929	1800.	1950	533.		100.	160.	374.	710.
FEB	19	32.	1929	1680.	1958	525.		100.	155.	400.	800.
FEB	20	34.	1929	2090.	1958	558.		100.	150.	357.	800.
FEB	21	32.	1929	4450.	1961	666.		91.	170.	420.	745.
FEB	22	35.	1929	7470.	1961	729.		100.	200.	350.	892.
FEB	23	43.	1929	3450.	1961	668.		100.	200.	350.	960.
FEB	24	44.	1929	3500.	1950	682.		100.	194.	398.	902.
FEB	25	43.	1929	6000.	1950	768.		108.	180.	390.	1160.
FEB	26	32.	1929	8110.	1948	951.		115.	220.	400.	1010.
FEB	27	33.	1929	4630.	1948	855.		110.	220.	413.	1160.
FEB	28	33.	1929	3000.	1932	738.		110.	200.	455.	1070.
FEB	29	100.	1944	3460.	1940	1005.		210.	240.	500.	2780.

STATION ST. MARIES RIVER AT LOTUS (1921-66) 12415000
 FLOW DURATION TABLE

				***** DAILY FLOW DATA *****				EXCEEDANCE FREQUENCY			
MON	DAY	MINIMUM	YEAR	MAXIMUM	AVERAGE	COUNT		0.75	0.50	0.25	0.10
MAR	1	50.	1922	3160.	736.	1940	110.	199.	662.	1200.	1570.
MAR	2	50.	1922	2410.	744.	1934	108.	216.	666.	1120.	1870.
MAR	3	50.	1922	2410.	711.	1934	110.	210.	716.	1120.	1600.
MAR	4	50.	1922	2840.	715.	1950	110.	220.	654.	1130.	1700.
MAR	5	50.	1922	3630.	706.	1950	110.	250.	550.	1030.	1650.
MAR	6	50.	1922	3410.	697.	1950	129.	245.	516.	1000.	1680.
MAR	7	50.	1922	2260.	659.	1950	150.	250.	500.	1100.	1500.
MAR	8	50.	1922	3780.	704.	1940	160.	268.	522.	1100.	1560.
MAR	9	50.	1922	2700.	750.	1940	160.	350.	556.	1200.	1820.
MAR	10	50.	1922	3520.	842.	1954	206.	330.	600.	1320.	1820.
MAR	11	50.	1922	4620.	822.	1928	200.	372.	600.	1300.	1710.
MAR	12	50.	1922	3990.	787.	1928	283.	372.	607.	1160.	1700.
MAR	13	50.	1922	4330.	849.	1935	206.	370.	600.	1100.	2280.
MAR	14	50.	1922	3070.	830.	1935	260.	357.	669.	1130.	2050.
MAR	15	50.	1922	3260.	783.	1938	300.	350.	584.	1050.	2150.
MAR	16	90.	1922	3670.	809.	1938	300.	351.	640.	1110.	1530.
MAR	17	90.	1922	5010.	982.	1921	292.	355.	818.	1030.	2180.
MAR	18	90.	1922	7710.	1063.	1921	327.	410.	710.	1080.	2010.
MAR	19	90.	1922	3990.	1004.	1921	324.	436.	698.	1300.	2950.
MAR	20	90.	1922	3670.	974.	1949	327.	410.	790.	1500.	2120.
MAR	21	90.	1922	3250.	999.	1949	305.	410.	794.	1540.	1970.
MAR	22	90.	1922	2730.	1057.	1949	300.	539.	825.	1690.	2060.
MAR	23	90.	1922	3370.	1014.	1928	327.	500.	868.	1520.	2120.
MAR	24	90.	1922	3370.	1014.	1928	340.	498.	884.	1480.	2000.
MAR	25	90.	1922	2980.	1151.	1939	329.	635.	1080.	1560.	2460.
MAR	26	90.	1922	3460.	1167.	1939	292.	728.	1100.	1620.	2500.
MAR	27	90.	1922	4370.	1200.	1962	292.	628.	1060.	1700.	2430.
MAR	28	90.	1922	3320.	1249.	1960	314.	775.	1100.	1800.	2270.
MAR	29	90.	1922	3500.	1328.	1932	357.	785.	1200.	1900.	2990.
MAR	30	90.	1922	5000.	1429.	1960	374.	805.	1260.	2080.	3170.
MAR	31	90.	1922	4840.	1518.	1928	466.	760.	1270.	2250.	2980.

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STATION ST. MARIES RIVER AT LOTUS (1921-66) 12415000
FLOW DURATION TABLE

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	***** DAILY FLOW DATA *****				EXCEEDANCE FREQUENCY			
						AVERAGE	COUNT			0.75	0.50	0.25	0.10
APR	1	272.	1936	5630.	1943	1729.		556.		805.	1520.	2430.	3990.
APR	2	267.	1936	6080.	1950	1759.		522.		868.	1620.	2290.	3420.
APR	3	247.	1936	3950.	1923	1621.		517.		895.	1540.	2410.	2990.
APR	4	229.	1936	3570.	1932	1566.		564.		985.	1580.	2210.	2610.
APR	5	208.	1936	3420.	1925	1561.		564.		1070.	1500.	2260.	2490.
APR	6	229.	1936	3850.	1925	1669.		604.		1100.	1450.	2380.	3380.
APR	7	219.	1929	6420.	1962	1666.		637.		985.	1410.	2240.	3260.
APR	8	102.	1929	3850.	1962	1605.		745.		987.	1540.	2080.	2970.
APR	9	230.	1929	3230.	1949	1529.		835.		1080.	1510.	2030.	2360.
APR	10	235.	1929	2920.	1949	1508.		850.		1110.	1550.	1980.	2410.
APR	11	256.	1929	3580.	1956	1551.		814.		1030.	1400.	2100.	2560.
APR	12	274.	1929	4090.	1956	1595.		969.		1080.	1360.	2000.	2970.
APR	13	343.	1929	4120.	1956	1775.		945.		1070.	1480.	2310.	3570.
APR	14	380.	1941	5080.	1954	1878.		935.		1130.	1430.	2700.	3990.
APR	15	340.	1941	6370.	1937	1955.		890.		1180.	1670.	2880.	3410.
APR	16	313.	1941	5070.	1956	1886.		850.		1080.	1680.	2580.	3700.
APR	17	302.	1941	4900.	1948	1900.		760.		1080.	1580.	2830.	3880.
APR	18	281.	1941	7980.	1938	1981.		750.		1030.	1430.	3070.	3670.
APR	19	262.	1941	6000.	1965	1927.		720.		975.	1500.	2800.	4130.
APR	20	257.	1941	11000.	1965	1980.		659.		985.	1520.	2780.	3780.
APR	21	252.	1941	7000.	1965	1916.		672.		930.	1650.	2620.	3750.
APR	22	247.	1941	5500.	1965	1889.		658.		886.	1520.	2730.	4280.
APR	23	238.	1941	4700.	1965	1750.		600.		1010.	1590.	2550.	3190.
APR	24	224.	1941	4000.	1965	1617.		600.		1010.	1500.	2060.	3330.
APR	25	224.	1941	3530.	1933	1532.		663.		1010.	1510.	1830.	3030.
APR	26	215.	1941	3530.	1933	1528.		635.		835.	1440.	2180.	3160.
APR	27	215.	1941	3740.	1933	1508.		680.		835.	1400.	2080.	2900.
APR	28	215.	1941	3740.	1933	1482.		657.		940.	1300.	1970.	3040.
APR	29	215.	1941	3590.	1949	1503.		720.		905.	1380.	2090.	2870.
APR	30	220.	1941	3200.	1949	1444.		600.		925.	1310.	2050.	2430.

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STATION	ST. MARIES RIVER AT LOTUS (1921-66)	12415000
FLOW DURATION TABLE		

***** DAILY FLOW DATA *****
AVERAGE COUNT

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	EXCEEDANCE FREQUENCY				
								0.90	0.75	0.50	0.25	
MAY	1	228.	1941	2580.	1933	1385.		592.	880.	1390.	2010.	2370.
MAY	2	257.	1941	3520.	1949	1396.		603.	884.	1400.	1840.	2350.
MAY	3	266.	1941	4060.	1949	1353.		592.	878.	1330.	1730.	2100.
MAY	4	291.	1941	2970.	1932	1344.		657.	902.	1320.	1700.	2200.
MAY	5	345.	1941	4200.	1932	1342.		614.	965.	1220.	1790.	2050.
MAY	6	413.	1934	3170.	1932	1288.		614.	884.	1210.	1710.	2120.
MAY	7	380.	1934	2600.	1932	1234.		532.	850.	1190.	1580.	2160.
MAY	8	387.	1934	3630.	1948	1276.		478.	850.	1220.	1540.	2240.
MAY	9	336.	1944	4430.	1956	1262.		478.	842.	1150.	1530.	2240.
MAY	10	319.	1944	3850.	1948	1210.		509.	785.	1110.	1560.	2300.
MAY	11	286.	1944	3100.	1956	1186.		478.	760.	1070.	1520.	2340.
MAY	12	286.	1944	2890.	1948	1145.		470.	682.	993.	1420.	2320.
MAY	13	265.	1944	3330.	1950	1136.		470.	745.	985.	1390.	2250.
MAY	14	272.	1934	3630.	1950	1113.		481.	730.	982.	1440.	2120.
MAY	15	253.	1934	3350.	1950	1066.		458.	700.	965.	1320.	1970.
MAY	16	244.	1934	2880.	1950	1039.		435.	657.	970.	1410.	1920.
MAY	17	239.	1934	2590.	1950	1045.		416.	728.	966.	1370.	2220.
MAY	18	219.	1930	2610.	1964	1013.		391.	573.	912.	1340.	2210.
MAY	19	219.	1930	2560.	1964	969.		362.	573.	859.	1260.	1980.
MAY	20	213.	1934	7430.	1957	1061.		354.	532.	835.	1220.	2020.
MAY	21	205.	1934	7620.	1957	1064.		347.	532.	805.	1260.	2330.
MAY	22	198.	1934	4270.	1957	1005.		329.	541.	777.	1320.	2140.
MAY	23	190.	1934	5510.	1948	961.		317.	480.	718.	1020.	1790.
MAY	24	182.	1934	6410.	1948	936.		307.	494.	745.	1010.	1660.
MAY	25	182.	1934	4350.	1948	854.		290.	458.	698.	1210.	1830.
MAY	26	182.	1934	3460.	1948	794.		275.	412.	666.	1130.	1430.
MAY	27	175.	1934	3060.	1948	772.		262.	350.	660.	1090.	1420.
MAY	28	169.	1934	2760.	1948	716.		249.	374.	623.	1030.	1360.
MAY	29	166.	1934	3440.	1948	694.		230.	351.	607.	980.	1300.
MAY	30	163.	1926	3140.	1948	663.		223.	343.	545.	895.	1220.
MAY	31	157.	1926	2420.	1948	620.		226.	338.	530.	832.	1220.

STATION		ST. MARIES RIVER AT LOTUS (1921-66)				12415000					
FLOW DURATION TABLE											
***** DAILY FLOW DATA *****											
DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	*****				
							0.90	0.75	0.50		
1	JUN	152.	1926	2120.	1948	620.	224.	354.	525.	784.	1230.
2	JUN	144.	1926	3030.	1923	624.	230.	340.	511.	737.	1160.
3	JUN	137.	1926	2550.	1923	603.	230.	350.	511.	716.	1160.
4	JUN	134.	1926	2060.	1948	579.	230.	337.	471.	710.	1110.
5	JUN	132.	1926	1750.	1948	538.	194.	322.	462.	739.	1060.
6	JUN	129.	1926	1510.	1948	525.	194.	306.	428.	709.	1050.
7	JUN	123.	1931	1290.	1948	517.	209.	303.	442.	773.	960.
8	JUN	112.	1926	1700.	1964	552.	219.	279.	426.	818.	1180.
9	JUN	112.	1926	2240.	1933	557.	198.	282.	418.	826.	1320.
10	JUN	110.	1926	1640.	1927	506.	198.	305.	398.	728.	951.
11	JUN	108.	1926	1360.	1933	470.	175.	294.	380.	593.	1100.
12	JUN	108.	1931	1160.	1927	437.	175.	273.	357.	543.	1050.
13	JUN	104.	1926	1420.	1950	422.	158.	238.	346.	541.	993.
14	JUN	98.	1926	2180.	1950	417.	142.	226.	324.	532.	884.
15	JUN	102.	1931	1850.	1950	389.	168.	230.	308.	491.	780.
16	JUN	102.	1931	1600.	1950	403.	155.	240.	329.	555.	800.
17	JUN	104.	1940	1440.	1950	386.	141.	230.	318.	501.	782.
18	JUN	101.	1940	1480.	1950	357.	164.	225.	281.	426.	690.
19	JUN	98.	1940	1260.	1950	340.	159.	232.	275.	397.	641.
20	JUN	89.	1940	1060.	1950	323.	151.	223.	275.	398.	587.
21	JUN	86.	1940	1010.	1950	313.	151.	220.	262.	389.	576.
22	JUN	86.	1940	994.	1950	297.	148.	210.	260.	357.	531.
23	JUN	86.	1940	922.	1950	278.	147.	199.	245.	332.	466.
24	JUN	81.	1940	850.	1943	263.	131.	185.	227.	325.	430.
25	JUN	73.	1940	1280.	1950	270.	124.	191.	218.	311.	558.
26	JUN	73.	1940	1020.	1950	250.	135.	172.	207.	288.	382.
27	JUN	73.	1940	842.	1950	247.	139.	167.	208.	292.	482.
28	JUN	71.	1940	746.	1950	234.	152.	152.	194.	275.	476.
29	JUN	66.	1940	874.	1941	237.	129.	148.	190.	320.	406.
30	JUN	66.	1940	625.	1950	222.	109.	152.	193.	275.	396.

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ST. MARIES RIVER AT LOTUS (1921-66)

FLOW DURATION TABLE

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	***** DAILY FLOW DATA *****				EXCEEDANCE FREQUENCY		
						AVERAGE	COUNT			0.75	0.50	0.25
JUL	1	66.	1940	574.	1950	202.		107.		136.	176.	249.
JUL	2	63.	1940	530.	1950	189.		99.		129.	164.	226.
JUL	3	61.	1940	477.	1950	182.		96.		131.	160.	235.
JUL	4	59.	1940	448.	1950	175.		96.		131.	157.	218.
JUL	5	59.	1940	409.	1950	172.		88.		126.	151.	215.
JUL	6	54.	1940	382.	1950	162.		88.		121.	144.	190.
JUL	7	52.	1940	596.	1955	163.		80.		120.	140.	199.
JUL	8	52.	1940	564.	1955	159.		78.		115.	143.	189.
JUL	9	52.	1940	441.	1955	149.		76.		110.	136.	189.
JUL	10	52.	1940	435.	1955	145.		80.		110.	129.	176.
JUL	11	50.	1940	394.	1955	139.		82.		104.	124.	166.
JUL	12	48.	1940	423.	1955	134.		77.		100.	120.	158.
JUL	13	45.	1940	366.	1955	128.		73.		101.	115.	157.
JUL	14	41.	1940	320.	1955	122.		70.		96.	113.	150.
JUL	15	41.	1940	290.	1955	118.		65.		90.	109.	139.
JUL	16	41.	1940	276.	1964	118.		60.		88.	106.	136.
JUL	17	41.	1940	319.	1942	114.		60.		85.	101.	129.
JUL	18	43.	1940	255.	1942	109.		60.		85.	99.	126.
JUL	19	44.	1931	214.	1955	106.		66.		84.	98.	126.
JUL	20	41.	1940	300.	1948	106.		66.		81.	96.	125.
JUL	21	41.	1940	400.	1948	105.		63.		77.	94.	123.
JUL	22	39.	1940	210.	1948	98.		60.		74.	89.	124.
JUL	23	39.	1940	179.	1950	94.		57.		73.	88.	113.
JUL	24	36.	1940	171.	1950	91.		56.		71.	85.	112.
JUL	25	34.	1940	164.	1950	88.		55.		70.	85.	112.
JUL	26	34.	1940	161.	1950	86.		55.		68.	83.	105.
JUL	27	35.	1931	154.	1950	85.		56.		71.	81.	104.
JUL	28	34.	1931	440.	1948	92.		55.		68.	82.	102.
JUL	29	32.	1931	1000.	1948	101.		51.		68.	82.	97.
JUL	30	32.	1931	723.	1948	94.		49.		66.	78.	92.
JUL	31	36.	1931	506.	1948	87.		47.		62.	74.	91.

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STATION ST. MARIES RIVER AT LOTUS (1921-66) 12415000
FLOW DURATION TABLE

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	***** DAILY FLOW DATA *****			EXCEEDANCE FREQUENCY		
						AVERAGE	COUNT		0.75	0.50	0.25
AUG	1	35.	1931	419.	1948	83.	47.	61.	73.	91.	129.
AUG	2	34.	1931	492.	1948	85.	47.	61.	74.	88.	144.
AUG	3	32.	1931	394.	1948	82.	47.	59.	73.	89.	133.
AUG	4	31.	1931	329.	1948	79.	47.	54.	73.	89.	115.
AUG	5	30.	1931	290.	1948	76.	46.	53.	69.	88.	113.
AUG	6	30.	1931	259.	1948	74.	46.	53.	67.	89.	110.
AUG	7	30.	1931	249.	1948	73.	46.	52.	66.	89.	112.
AUG	8	31.	1931	230.	1948	70.	44.	52.	65.	86.	96.
AUG	9	31.	1931	207.	1948	68.	44.	50.	65.	82.	95.
AUG	10	30.	1931	226.	1948	68.	43.	50.	64.	80.	95.
AUG	11	29.	1931	270.	1948	68.	43.	50.	62.	78.	95.
AUG	12	27.	1931	221.	1948	66.	41.	48.	62.	79.	92.
AUG	13	26.	1931	194.	1948	66.	41.	48.	61.	76.	105.
AUG	14	25.	1931	190.	1948	65.	42.	54.	60.	76.	102.
AUG	15	25.	1931	186.	1948	64.	42.	51.	61.	75.	95.
AUG	16	24.	1931	165.	1948	64.	39.	51.	60.	73.	102.
AUG	17	24.	1931	151.	1948	62.	39.	50.	58.	70.	97.
AUG	18	24.	1931	147.	1948	60.	37.	50.	57.	69.	88.
AUG	19	24.	1931	136.	1948	62.	39.	49.	60.	73.	92.
AUG	20	23.	1931	282.	1965	70.	36.	49.	58.	81.	145.
AUG	21	23.	1931	287.	1954	70.	37.	50.	56.	71.	133.
AUG	22	23.	1931	166.	1965	64.	36.	49.	56.	70.	118.
AUG	23	23.	1931	196.	1965	63.	35.	50.	56.	70.	97.
AUG	24	23.	1931	157.	1965	63.	36.	48.	55.	76.	114.
AUG	25	23.	1931	199.	1948	66.	36.	48.	54.	75.	140.
AUG	26	23.	1931	249.	1965	66.	37.	46.	56.	74.	121.
AUG	27	22.	1931	180.	1956	66.	38.	49.	56.	74.	134.
AUG	28	21.	1931	186.	1964	67.	36.	48.	60.	75.	140.
AUG	29	24.	1931	201.	1964	64.	37.	47.	58.	79.	118.
AUG	30	24.	1931	137.	1964	61.	37.	45.	56.	71.	115.
AUG	31	24.	1931	122.	1926	62.	36.	45.	62.	71.	112.

UNRECORDED
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STATION ST. MARIES RIVER AT LOTUS (1921-66) 12415000
FLOW DURATION TABLE

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	***** DAILY FLOW DATA *****		EXCEEDANCE FREQUENCY		
						AVERAGE	COUNT	0.75	0.50	0.25
SEP	1	23.	1931	270.	1926	67.	36.	46.	59.	74.
SEP	2	23.	1931	168.	1927	64.	36.	44.	56.	71.
SEP	3	23.	1931	157.	1964	61.	34.	45.	56.	73.
SEP	4	22.	1931	139.	1964	60.	35.	44.	55.	75.
SEP	5	22.	1931	131.	1941	61.	36.	44.	56.	79.
SEP	6	22.	1931	194.	1959	65.	36.	46.	56.	86.
SEP	7	23.	1931	216.	1921	66.	36.	46.	57.	82.
SEP	8	24.	1931	132.	1926	62.	41.	45.	56.	79.
SEP	9	30.	1944	266.	1938	64.	41.	46.	55.	76.
SEP	10	30.	1944	164.	1938	63.	39.	49.	56.	79.
SEP	11	30.	1944	315.	1927	67.	39.	49.	56.	76.
SEP	12	30.	1944	380.	1927	67.	39.	48.	54.	72.
SEP	13	30.	1944	328.	1927	67.	39.	48.	58.	73.
SEP	14	30.	1944	380.	1927	69.	42.	49.	57.	76.
SEP	15	30.	1944	315.	1927	74.	45.	51.	62.	76.
SEP	16	30.	1929	240.	1927	75.	45.	51.	57.	86.
SEP	17	30.	1929	226.	1947	73.	44.	51.	56.	92.
SEP	18	30.	1929	182.	1954	68.	45.	49.	54.	92.
SEP	19	30.	1929	161.	1954	66.	44.	49.	53.	84.
SEP	20	30.	1929	266.	1921	70.	45.	48.	54.	81.
SEP	21	30.	1929	346.	1921	72.	45.	48.	55.	82.
SEP	22	33.	1929	301.	1921	73.	47.	48.	56.	89.
SEP	23	34.	1939	324.	1921	77.	44.	49.	55.	93.
SEP	24	34.	1939	301.	1921	72.	43.	48.	56.	84.
SEP	25	32.	1939	253.	1921	68.	41.	47.	58.	85.
SEP	26	32.	1939	249.	1921	71.	40.	46.	58.	81.
SEP	27	32.	1939	255.	1959	73.	40.	46.	56.	81.
SEP	28	32.	1939	364.	1959	75.	45.	47.	60.	83.
SEP	29	32.	1939	264.	1959	76.	44.	49.	58.	81.
SEP	30	32.	1939	293.	1927	73.	44.	49.	58.	80.

SEP 12 1968

STATION ST. MARIES RIVER AT LOTUS (1921-66) 12415000
FLOW DURATION TABLE

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	***** DAILY FLOW DATA *****		EXCEEDANCE FREQUENCY		
						AVERAGE	COUNT	0.75	0.50	0.10
OCT	1	34.	1939	245.	1927	75.		50.	62.	80.
OCT	2	35.	1931	227.	1951	75.	44.	51.	67.	80.
OCT	3	35.	1931	251.	1951	83.	45.	53.	68.	93.
OCT	4	34.	1931	1220.	1927	112.	45.	54.	64.	111.
OCT	5	38.	1929	870.	1927	105.	46.	55.	65.	110.
OCT	6	39.	1929	780.	1927	100.	48.	56.	66.	107.
OCT	7	39.	1929	570.	1927	88.	50.	56.	64.	104.
OCT	8	41.	1929	394.	1927	91.	48.	52.	71.	108.
OCT	9	42.	1929	367.	1927	102.	46.	51.	71.	120.
OCT	10	43.	1939	880.	1955	107.	46.	51.	71.	108.
OCT	11	42.	1931	755.	1955	110.	46.	52.	68.	119.
OCT	12	42.	1931	516.	1959	110.	46.	55.	71.	108.
OCT	13	40.	1931	328.	1927	103.	44.	54.	76.	120.
OCT	14	40.	1931	360.	1927	97.	47.	54.	75.	109.
OCT	15	38.	1931	304.	1927	96.	48.	54.	72.	102.
OCT	16	38.	1931	283.	1921	93.	48.	54.	69.	127.
OCT	17	37.	1931	275.	1921	96.	49.	55.	71.	120.
OCT	18	40.	1931	572.	1947	100.	48.	56.	72.	111.
OCT	19	42.	1931	485.	1947	99.	48.	56.	70.	110.
OCT	20	42.	1931	579.	1947	109.	49.	61.	76.	131.
OCT	21	42.	1931	514.	1947	112.	50.	61.	76.	131.
OCT	22	42.	1936	550.	1947	115.	50.	59.	80.	168.
OCT	23	41.	1929	488.	1951	121.	51.	64.	83.	128.
OCT	24	39.	1929	666.	1951	121.	51.	63.	80.	128.
OCT	25	39.	1929	380.	1927	113.	53.	63.	80.	120.
OCT	26	39.	1929	852.	1934	125.	54.	66.	79.	152.
OCT	27	45.	1929	346.	1921	118.	56.	71.	91.	168.
OCT	28	46.	1936	416.	1921	120.	61.	70.	94.	168.
OCT	29	42.	1944	690.	1933	144.	63.	70.	90.	150.
OCT	30	42.	1944	690.	1933	147.	56.	70.	89.	158.
OCT	31	33.	1935	490.	1933	128.	54.	68.	86.	171.

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STATION ST. MARIES RIVER AT LOTUS (1921-66) 12415000
FLOW DURATION TABLE

		***** DAILY FLOW DATA *****				EXCEEDANCE FREQUENCY							
		AVERAGE		COUNT					0.90	0.75	0.50	0.25	0.10
MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR								
NOV	1	33.	1935	690.	1933	137.	56.	66.	92.	147.	316.		
NOV	2	33.	1936	645.	1933	140.	56.	70.	95.	180.	301.		
NOV	3	21.	1936	2080.	1933	172.	54.	64.	96.	190.	350.		
NOV	4	49.	1952	1230.	1933	179.	54.	68.	100.	200.	325.		
NOV	5	49.	1930	2370.	1927	200.	56.	69.	96.	192.	450.		
NOV	6	48.	1930	2870.	1927	195.	52.	69.	98.	184.	390.		
NOV	7	46.	1930	2370.	1927	195.	58.	76.	101.	213.	420.		
NOV	8	30.	1936	2360.	1947	207.	60.	80.	98.	188.	330.		
NOV	9	25.	1936	1170.	1947	183.	59.	76.	100.	223.	327.		
NOV	10	39.	1929	1220.	1927	181.	61.	86.	120.	244.	364.		
NOV	11	30.	1929	1010.	1927	173.	64.	88.	116.	179.	286.		
NOV	12	27.	1929	870.	1927	166.	65.	88.	121.	168.	371.		
NOV	13	35.	1929	915.	1927	196.	62.	82.	110.	206.	602.		
NOV	14	35.	1936	930.	1932	204.	60.	76.	120.	240.	633.		
NOV	15	39.	1929	2210.	1927	221.	60.	80.	131.	270.	542.		
NOV	16	50.	1936	1770.	1927	220.	69.	76.	140.	200.	640.		
NOV	17	21.	1961	1580.	1927	221.	64.	82.	150.	250.	445.		
NOV	18	33.	1929	1220.	1927	226.	50.	80.	159.	324.	476.		
NOV	19	28.	1929	1270.	1946	223.	50.	92.	134.	260.	500.		
NOV	20	20.	1929	1010.	1927	215.	53.	82.	134.	280.	552.		
NOV	21	16.	1929	1220.	1927	238.	50.	76.	129.	306.	700.		
NOV	22	20.	1929	1180.	1959	238.	60.	76.	140.	305.	676.		
NOV	23	17.	1929	2760.	1959	277.	51.	76.	156.	290.	633.		
NOV	24	28.	1929	2070.	1959	350.	58.	80.	166.	490.	1110.		
NOV	25	30.	1952	5800.	1927	494.	55.	85.	157.	514.	1660.		
NOV	26	24.	1952	4670.	1927	477.	45.	78.	174.	558.	1600.		
NOV	27	18.	1952	3420.	1927	412.	47.	80.	183.	480.	1310.		
NOV	28	15.	1952	3230.	1927	384.	45.	87.	188.	488.	1360.		
NOV	29	20.	1952	3610.	1927	377.	45.	80.	170.	412.	1220.		
NOV	30	25.	1936	2860.	1926	380.	49.	80.	161.	577.	819.		

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JUL 12 1964

STATION ST. MARIES RIVER AT LOTUS (1921-66) 12415000
FLOW DURATION TABLE

***** DAILY FLOW DATA *****				EXCEEDANCE FREQUENCY							
AVERAGE				COUNT	0.90	0.75	0.50	0.25	0.10		
MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR						
DEC	1	25.	1936	2870.	1927	418.	40.	90.	193.	432.	1690.
DEC	2	30.	1936	3810.	1927	456.	50.	113.	205.	361.	1420.
DEC	3	26.	1929	3810.	1927	473.	43.	115.	240.	460.	1580.
DEC	4	22.	1929	3050.	1927	390.	40.	119.	226.	388.	1280.
DEC	5	24.	1928	2530.	1927	318.	44.	109.	188.	398.	880.
DEC	6	30.	1929	1910.	1927	330.	45.	117.	230.	476.	870.
DEC	7	34.	1929	4850.	1933	412.	52.	106.	241.	486.	1040.
DEC	8	40.	1930	1630.	1933	284.	71.	106.	190.	458.	638.
DEC	9	40.	1930	2760.	1933	283.	81.	110.	180.	334.	518.
DEC	10	40.	1930	7170.	1933	389.	80.	109.	197.	322.	520.
DEC	11	30.	1931	5580.	1933	404.	62.	100.	198.	400.	915.
DEC	12	30.	1931	3740.	1933	470.	60.	96.	195.	400.	1550.
DEC	13	30.	1931	3740.	1933	420.	55.	100.	189.	360.	1170.
DEC	14	30.	1931	2170.	1946	333.	71.	103.	169.	445.	840.
DEC	15	30.	1931	7710.	1946	450.	69.	104.	171.	450.	800.
DEC	16	40.	1944	3130.	1946	332.	65.	86.	170.	415.	600.
DEC	17	40.	1944	1480.	1946	304.	59.	80.	160.	458.	821.
DEC	18	40.	1935	2580.	1933	380.	50.	90.	170.	450.	1300.
DEC	19	40.	1935	5830.	1933	468.	60.	90.	190.	548.	1440.
DEC	20	40.	1935	5580.	1933	516.	60.	90.	182.	563.	1500.
DEC	21	40.	1935	6350.	1933	554.	58.	100.	210.	522.	1380.
DEC	22	40.	1935	10900.	1933	763.	56.	96.	200.	600.	1500.
DEC	23	40.	1944	15000.	1964	958.	54.	96.	250.	485.	1780.
DEC	24	32.	1930	8000.	1964	653.	51.	102.	200.	486.	1850.
DEC	25	32.	1930	3950.	1933	463.	46.	105.	200.	497.	1330.
DEC	26	32.	1930	2940.	1933	389.	70.	105.	200.	440.	1200.
DEC	27	32.	1930	2240.	1933	371.	74.	105.	201.	410.	1180.
DEC	28	32.	1930	2000.	1933	366.	80.	120.	200.	440.	1300.
DEC	29	32.	1930	2500.	1945	375.	80.	120.	200.	413.	1000.
DEC	30	32.	1930	2700.	1920	423.	70.	120.	195.	440.	1500.
DEC	31	32.	1930	2580.	1933	430.	80.	130.	190.	460.	1730.

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JUL 12 1964

ST. MARIES RIVER NR SANTA (1966-90)

12414900

MONTH	YEAR	***** MONTHLY FLOW DATA *****				***** YEARLY FLOW DATA *****			
		MAXIMUM	DAY	MINIMUM	DAY	MAXIMUM	DAY	MINIMUM	DAY
OCT	1965	105.	20	55.	31				
NOV	1965	150.	23	52.	3				
DEC	1965	118.	9	37.	18				
JAN	1966	560.	7	56.	3				
FEB	1966	174.	6	98.	1				
MAR	1966	1340.	31	105.	4				
APR	1966	1400.	1	423.	29				
MAY	1966	804.	6	240.	26				
JUN	1966	265.	4	110.	30				
JUL	1966	125.	4	52.	31				
AUG	1966	81.	27	36.	20				
SEP	1966	49.	1	38.	8	1400.	1 APR	36.	20 AUG
OCT	1966	115.	24	36.	11			227.	
NOV	1966	332.	16	35.	4				365
DEC	1966	500.	14	83.	9				
JAN	1967	950.	30	108.	1				
FEB	1967	611.	1	200.	24				
MAR	1967	1090.	24	220.	7				
APR	1967	892.	30	436.	2				
MAY	1967	1730.	11	600.	31				
JUN	1967	616.	4	202.	30				
JUL	1967	194.	4	66.	31				
AUG	1967	64.	1	39.	30				
SEP	1967	106.	12	37.	2	1730.	11 MAY	35.	4 NOV
OCT	1967	189.	28	41.	10			316.	
NOV	1967	168.	11	27.	27				365
DEC	1967	165.	26	36.	1				
JAN	1968	200.	24	88.	15				
FEB	1968	6260.	20	120.	1				
MAR	1968	920.	5	294.	22				
APR	1968	545.	2	235.	25				
MAY	1968	323.	15	214.	31				
JUN	1968	235.	3	105.	28				
JUL	1968	119.	13	55.	31				
AUG	1968	110.	16	49.	12				
SEP	1968	257.	18	44.	11				
OCT	1968	286.	12	68.	3				
NOV	1968	550.	12	100.	7				
DEC	1968	270.	4	65.	30				
JAN	1969	2200.	7	110.	1				
FEB	1969	300.	1	146.	27				
MAR	1969	1600.	31	140.	10				
APR	1969	2400.	24	1200.	2				
MAY	1969	1570.	11	470.	29				
JUN	1969	560.	1	162.	21				
JUL	1969	164.	1	75.	31				
AUG	1969	75.	1	51.	28				
SEP	1969	86.	21	45.	17				
OCT	1969	126.	2	52.	19				
NOV	1969	105.	5	33.	27				
						2400.	24 APR	45.	17 SEP
								421.	
									365
						6260.	20 FEB	27.	27 NOV
								243.	
									366

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JUN 12 1998

ST. MARIES RIVER NR SANTA (1966-90)

12414900

MONTH	YEAR	***** MONTHLY FLOW DATA *****				***** YEARLY FLOW DATA *****							
		MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT	MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT
FEB	1974	1230.	1	363.	24	586.	28						
MAR	1974	3380.	31	374.	9	926.	31						
APR	1974	2440.	1	1270.	5	1672.	30						
MAY	1974	2010.	1	956.	20	1406.	31						
JUN	1974	1740.	6	342.	30	1012.	30						
JUL	1974	324.	1	98.	31	188.	31						
AUG	1974	120.	3	60.	29	76.	31						
SEP	1974	76.	11	57.	5	60.	30						
OCT	1974	62.	8	56.	24	59.	31						
NOV	1974	192.	21	60.	1	85.	30						
DEC	1974	147.	21	53.	30	77.	31						
JAN	1975	1080.	19	54.	1	185.	31						
FEB	1975	611.	14	110.	6	207.	28						
MAR	1975	884.	3	210.	28	403.	31						
APR	1975	1570.	25	202.	1	777.	30						
MAY	1975	2670.	15	763.	27	1406.	31						
JUN	1975	1230.	3	247.	30	563.	30						
JUL	1975	236.	1	92.	29	153.	31						
AUG	1975	391.	24	73.	16	103.	31						
SEP	1975	104.	1	62.	26	72.	30						
OCT	1975	203.	31	60.	3	96.	31						
NOV	1975	235.	16	86.	19	128.	30						
DEC	1975	1090.	4	110.	1	388.	31						
JAN	1976	1700.	16	180.	14	458.	31						
FEB	1976	630.	28	180.	5	367.	29						
MAR	1976	1050.	19	280.	4	485.	31						
APR	1976	2650.	12	723.	2	1533.	30						
MAY	1976	2300.	11	517.	30	1178.	31						
JUN	1976	619.	17	229.	30	369.	30						
JUL	1976	223.	1	91.	29	143.	31						
AUG	1976	150.	3	74.	31	93.	31						
SEP	1976	231.	24	68.	15	82.	30						
OCT	1976	110.	26	66.	19	74.	31						
NOV	1976	104.	2	39.	28	70.	30						
DEC	1976	110.	27	52.	1	77.	31						
JAN	1977	170.	20	75.	7	105.	31						
FEB	1977	205.	22	94.	28	133.	28						
MAR	1977	432.	9	91.	5	153.	31						
APR	1977	654.	9	143.	3	332.	30						
MAY	1977	559.	20	240.	16	344.	31						
JUN	1977	264.	2	78.	30	152.	30						
JUL	1977	113.	26	47.	31	67.	31						
AUG	1977	86.	27	34.	18	45.	31						
SEP	1977	110.	29	38.	14	55.	30						
OCT	1977	152.	31	47.	20	64.	31						
NOV	1977	466.	26	37.	22	139.	30						
DEC	1977	2880.	14	178.	31	701.	31						
JAN	1978	537.	9	94.	1	334.	31						
FEB	1978	1310.	8	180.	2	483.	28						
MAR	1978	1230.	24	321.	3	722.	31						

ST. MARIES RIVER NR SANTA (1966-90)

12414900

MONTH	YEAR	***** MONTHLY FLOW DATA *****				COUNT	***** YEARLY FLOW DATA *****			
		MAXIMUM	DAY	MINIMUM	DAY		MAXIMUM	DAY	MINIMUM	DAY
APR	1978	1330.	2	371.	25	30				
MAY	1978	661.	17	325.	31	31				
JUN	1978	305.	1	132.	28	30				
JUL	1978	260.	8	78.	31	31				
AUG	1978	131.	16	63.	11	31				
SEP	1978	123.	8	58.	27	30	2880.	14 DEC	37.	22 NOV
OCT	1978	59.	1	47.	27	31			333.	365
NOV	1978	72.	4	33.	12	30				
DEC	1978	71.	11	27.	31	31				
JAN	1979	55.	25	29.	1	31				
FEB	1979	690.	14	39.	1	28				
MAR	1979	1140.	7	215.	4	31				
APR	1979	1610.	30	356.	4	30				
MAY	1979	5210.	6	400.	31	31				
JUN	1979	370.	1	113.	30	30				
JUL	1979	177.	2	54.	31	31				
AUG	1979	97.	16	44.	11	31				
SEP	1979	74.	1	38.	30	30	5210.	6 MAY	27.	31 DEC
OCT	1979	147.	20	39.	1	31			313.	365
NOV	1979	127.	18	25.	29	30				
DEC	1979	363.	5	46.	1	31				
JAN	1980	532.	16	60.	7	31				
FEB	1980	908.	29	98.	15	29				
MAR	1980	769.	4	240.	28	31				
APR	1980	833.	15	220.	3	30				
MAY	1980	1330.	26	236.	24	31				
JUN	1980	1040.	13	191.	30	30				
JUL	1980	189.	3	76.	31	31				
AUG	1980	110.	19	60.	26	31				
SEP	1980	127.	3	54.	30	30	1330.	26 MAY	25.	29 NOV
OCT	1980	85.	15	49.	10	31			237.	366
NOV	1980	294.	22	53.	1	30				
DEC	1980	3230.	26	66.	8	31				
JAN	1981	759.	24	130.	18	31				
FEB	1981	3230.	17	58.	10	28				
MAR	1981	614.	31	240.	15	31				
APR	1981	1200.	1	404.	8	30				
MAY	1981	988.	1	348.	14	31				
JUN	1981	662.	9	235.	30	30				
JUL	1981	390.	7	99.	31	31				
AUG	1981	96.	1	59.	28	31				
SEP	1981	97.	28	49.	19	30	3230.	26 DEC	49.	10 OCT
OCT	1981	120.	8	54.	22	31			317.	365
NOV	1981	264.	18	56.	10	30				
DEC	1981	1170.	6	90.	1	31				
JAN	1982	900.	26	95.	12	31				
FEB	1982	5500.	21	180.	5	28				
MAR	1982	2390.	10	550.	23	31				
APR	1982	3290.	12	404.	10	30				
MAY	1982	1610.	3	508.	31	31				

MICROFILMED

JUL 12 1992

ST. MARIES RIVER NR SANTA (1966-90)

12414900

MONTH	YEAR	***** MONTHLY FLOW DATA *****			***** YEARLY FLOW DATA *****		
		MAXIMUM	DAY	MINIMUM	DAY	MINIMUM	DAY
JUN	1982	562.	5	221.	30	365.	30
JUL	1982	252.	2	98.	30	158.	31
AUG	1982	105.	4	55.	28	76.	31
SEP	1982	133.	12	50.	8	65.	30
OCT	1982	126.	27	55.	15	79.	31
NOV	1982	267.	19	48.	15	121.	30
DEC	1982	812.	4	100.	31	236.	31
JAN	1983	1620.	8	95.	1	468.	31
FEB	1983	2890.	19	190.	7	806.	28
MAR	1983	1920.	6	415.	29	1083.	31
APR	1983	1190.	1	313.	17	535.	30
MAY	1983	891.	8	396.	5	562.	31
JUN	1983	458.	1	187.	26	276.	30
JUL	1983	289.	3	120.	31	183.	31
AUG	1983	130.	2	77.	31	98.	31
SEP	1983	183.	11	66.	30	85.	30
OCT	1983	139.	23	62.	7	74.	31
NOV	1983	627.	17	76.	1	280.	30
DEC	1983	698.	11	115.	3	210.	31
JAN	1984	2160.	26	140.	1	472.	31
FEB	1984	1120.	14	272.	27	421.	29
MAR	1984	2470.	15	301.	1	1156.	31
APR	1984	1640.	17	541.	30	1001.	30
MAY	1984	1290.	24	534.	1	868.	31
JUN	1984	1040.	9	335.	30	652.	30
JUL	1984	301.	1	93.	31	168.	31
AUG	1984	162.	23	58.	19	76.	31
SEP	1984	112.	21	56.	19	73.	30
OCT	1984	200.	26	53.	8	79.	31
NOV	1984	461.	3	76.	1	227.	30
DEC	1984	339.	10	85.	5	161.	31
JAN	1985	120.	8	102.	31	112.	31
FEB	1985	607.	27	98.	2	284.	28
MAR	1985	674.	24	232.	9	388.	31
APR	1985	3180.	11	611.	27	1543.	30
MAY	1985	1680.	3	372.	29	801.	31
JUN	1985	1300.	7	150.	30	394.	30
JUL	1985	144.	1	66.	30	95.	31
AUG	1985	108.	2	48.	31	68.	31
SEP	1985	250.	17	48.	1	91.	30
OCT	1985	352.	25	59.	5	92.	31
NOV	1985	253.	2	50.	26	120.	30
DEC	1985	64.	7	51.	24	57.	31
JAN	1986	420.	31	52.	14	131.	31
FEB	1986	2370.	25	282.	22	750.	28
MAR	1986	2530.	8	685.	23	1136.	31
APR	1986	1060.	1	382.	30	563.	30
MAY	1986	667.	4	295.	31	395.	31
JUN	1986	274.	1	97.	28	154.	30
JUL	1986	171.	5	59.	3	88.	31
		*****			*****		
		MAXIMUM	DAY	MINIMUM	DAY	AVERAGE	COUNT
		5500.	21 FEB	50.	8 SEP	495.	365
		2890.	19 FEB	48.	15 NOV	376.	365
		2470.	15 MAR	56.	19 SEP	454.	366
		3180.	11 APR	48.	31 AUG	352.	365

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JUL 12 1988

ST. MARIES RIVER NR SANTA (1966-90)

12414900

MONTH	YEAR	***** MONTHLY FLOW DATA *****				***** YEARLY FLOW DATA *****			
		MAXIMUM	DAY	MINIMUM	DAY	MAXIMUM	DAY	MINIMUM	DAY
AUG	1986	80.	31	34.	29				
SEP	1986	210.	30	44.	8	2530.	8 MAR	34.	29 AUG
OCT	1986	152.	1	51.	24			297.	
NOV	1986	456.	28	41.	10				365
DEC	1986	187.	1	58.	11				
JAN	1987	185.	31	62.	19				
FEB	1987	1950.	2	91.	27				
MAR	1987	1580.	4	118.	1				
APR	1987	753.	11	276.	1				
MAY	1987	599.	1	158.	30				
JUN	1987	282.	1	80.	30				
JUL	1987	211.	23	62.	16				
AUG	1987	73.	16	39.	31				
SEP	1987	40.	1	33.	24	1950.	2 FEB	33.	24 SEP
OCT	1987	38.	21	34.	1			208.	365
NOV	1987	76.	14	31.	30				
DEC	1987	336.	10	42.	27				
JAN	1988	541.	16	39.	5				
FEB	1988	410.	15	110.	2				
MAR	1988	2310.	27	170.	17				
APR	1988	1230.	3	300.	28				
MAY	1988	399.	6	185.	28				
JUN	1988	305.	2	92.	25				
JUL	1988	190.	14	52.	30				
AUG	1988	57.	3	34.	31				
SEP	1988	77.	28	32.	7	2310.	27 MAR	31.	30 NOV
OCT	1988	95.	17	43.	13			182.	366
NOV	1988	530.	23	47.	1				
DEC	1988	225.	13	56.	26				
JAN	1989	342.	19	77.	11				
FEB	1989	214.	24	69.	4				
MAR	1989	1100.	29	155.	3				
APR	1989	2050.	22	720.	4				
MAY	1989	1140.	3	377.	22				
JUN	1989	517.	2	132.	30				
JUL	1989	133.	1	63.	31				
AUG	1989	181.	24	55.	7				
SEP	1989	115.	19	54.	16				
OCT	1989	170.	22	54.	19				
NOV	1989	282.	7	62.	2				
DEC	1989	553.	6	82.	1				
JAN	1990	2500.	8	69.	3				
FEB	1990	2110.	11	124.	5				
MAR	1990	1250.	21	452.	2				
APR	1990	1670.	3	898.	27				
MAY	1990	3240.	30	616.	28				
JUN	1990	5380.	2	241.	30				
JUL	1990	228.	1	103.	23				

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ST. MARIES RIVER NR SANTA (1966-90)

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***** MEAN DAILY FLOW BY MONTH *****

MONTH	MAXIMUM	YEAR	DAY	MINIMUM	YEAR	DAY	AVERAGE	COUNT
OCT	352.	1985	25	34.	1987	1	71.	775
NOV	1110.	1973	16	25.	1979	29	121.	750
DEC	3230.	1980	26	27.	1978	31	203.	774
JAN	9120.	1974	16	29.	1979	1	338.	775
FEB	6260.	1968	20	39.	1979	1	470.	706
MAR	5120.	1972	14	91.	1977	5	686.	775
APR	3290.	1982	12	143.	1977	3	891.	750
MAY	5210.	1979	6	158.	1987	30	803.	775
JUN	5380.	1990	2	78.	1977	30	383.	750
JUL	390.	1981	7	41.	1973	31	124.	768
AUG	391.	1975	24	33.	1973	23	67.	744
SEP	257.	1968	18	32.	1988	7	65.	720

***** YEARLY FLOW DATA *****

MAXIMUM	YE	AR	MINIMUM	YEAR	AVERAGE	COUNT
9120.	1974	25.	1979	353.		9062

***** MEAN MONTHLY FLOW DATA *****

MONTH	MAXIMUM	YEAR	MINIMUM	YEAR
OCT	132.	1968	36.	1987
NOV	280.	1983	46.	1987
DEC	701.	1977	55.	1978
JAN	1637.	1974	48.	1979
FEB	1387.	1982	125.	1973
MAR	2166.	1972	153.	1977
APR	1672.	1974	289.	1973
MAY	1609.	1972	265.	1968
JUN	1012.	1974	131.	1973
JUL	188.	1974	57.	1973
AUG	103.	1975	38.	1973
SEP	91.	1985	36.	1987

***** MEAN ANNUAL FLOW DATA *****

MAXIMUM	YEAR	MINIMUM	YEAR
711.	1974	134.	1977

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[illegible]

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JUN 12 1968

SUMMARY HYDROGRAPH DATA

IDAHO DEPARTMENT OF WATER RESOURCES

12414900

ST. MARIES RIVER NR SANTA (1966-90)

FLOW DURATION TABLE FOR STATION 12414900 FROM 1 NOV TO 30 NOV

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1870.	0.00	1770.	0.00	1720.	0.00	1670.	0.00	1620.	0.00	1570.	0.00	1570.	0.00
1520.	0.00	1470.	0.00	1420.	0.00	1370.	0.00	1320.	0.00	1270.	0.00	1270.	0.00
1220.	0.00	1170.	0.00	1120.	0.00	1070.	0.13	1020.	0.13	970.	0.13	970.	0.13
920.	0.13	870.	0.13	820.	0.13	770.	0.27	720.	0.27	670.	0.27	670.	0.27
620.	0.40	570.	0.53	520.	1.07	470.	1.33	420.	2.40	370.	3.33	370.	3.33
320.	4.93	270.	6.53	260.	7.60	250.	8.67	240.	9.07	230.	10.00	230.	10.00
220.	10.67	210.	11.60	200.	13.47	190.	15.20	180.	16.27	170.	18.27	170.	18.27
165.	19.07	160.	20.40	155.	21.07	150.	23.47	145.	24.13	140.	26.13	140.	26.13
135.	27.73	130.	28.93	125.	30.13	120.	32.00	115.	34.53	110.	36.67	110.	36.67
105.	40.00	100.	43.60	95.	46.93	90.	50.40	85.	52.67	80.	58.00	80.	58.00
75.	63.20	70.	67.60	65.	71.60	60.	76.80	55.	83.60	50.	89.47	50.	89.47
45.	92.40	40.	94.67	35.	98.27	30.	99.47	25.	100.00	20.	100.00	20.	100.00

MICROFILMED

JUN 12 1998

ST. MARIES RIVER NR SANTA (1966-90)

12414900

FLOW DURATION TABLE FOR STATION 12414900 FROM 1 DEC TO 31 DEC

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1870.	0.65	1770.	0.65	1720.	0.78	1670.	0.78	1620.	0.78	1570.	0.78
1520.	1.03	1470.	1.03	1420.	1.03	1370.	1.16	1320.	1.29	1270.	1.29
1220.	1.29	1170.	1.55	1120.	1.81	1070.	2.20	1020.	2.45	970.	2.71
920.	3.10	870.	3.23	820.	3.88	770.	4.13	720.	4.78	670.	5.30
620.	5.94	570.	6.59	520.	7.88	470.	8.79	420.	10.59	370.	12.27
320.	14.34	270.	17.05	260.	17.70	250.	18.22	240.	19.12	230.	19.77
220.	20.41	210.	21.83	200.	23.39	190.	25.32	180.	27.00	170.	28.81
165.	29.72	160.	31.14	155.	32.69	150.	34.88	145.	35.92	140.	38.76
135.	41.21	130.	43.54	125.	45.22	120.	48.32	115.	51.29	110.	53.62
105.	55.56	100.	58.91	95.	61.76	90.	64.99	85.	67.31	80.	71.06
75.	74.29	70.	78.68	65.	82.56	60.	86.95	55.	92.25	50.	95.48
45.	97.80	40.	99.10	35.	99.61	30.	99.74	25.	100.00	20.	100.00

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12414900

FROM 1 JAN TO 31 JAN

[illegible]

MICROFILMED
JUN 12 1998

12414900

FROM 1 FEB TO 28 FEB

[illegible]

MICROFILMED
JUN 12 1998

12414900

[illegible]

MICROFILMED
JUL 12 1998

ST. MARIES RIVER NR SANTA (1966-90)

12414900

FLOW DURATION TABLE FOR STATION 12414900 FROM 1 APR TO 30 APR

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1870.	5.60	1770.	6.53	1720.	7.07	1670.	8.00	1620.	9.20	1570.	10.80	1520.	12.53	1470.	13.73
1520.	12.53	1470.	13.73	1420.	15.73	1370.	19.07	1320.	21.20	1270.	23.47	1220.	25.87	1170.	28.13
1220.	25.87	1170.	28.13	1120.	30.13	1070.	32.40	1020.	35.07	970.	37.73	920.	40.53	870.	42.93
920.	40.53	870.	42.93	820.	46.00	770.	49.47	720.	52.53	670.	55.33	620.	59.07	570.	63.07
620.	59.07	570.	63.07	520.	67.33	470.	73.60	420.	80.93	370.	86.80	320.	90.00	270.	94.93
320.	90.00	270.	94.93	260.	95.60	250.	96.53	240.	97.60	230.	98.67	220.	99.20	210.	99.20
220.	99.20	210.	99.20	200.	99.47	190.	99.47	180.	99.47	170.	99.47	165.	99.47	160.	99.60
165.	99.47	160.	99.60	155.	99.60	150.	99.87	145.	99.87	140.	100.00	135.	100.00	130.	100.00
135.	100.00	130.	100.00	125.	100.00	120.	100.00	115.	100.00	110.	100.00	105.	100.00	100.	100.00
105.	100.00	100.	100.00	95.	100.00	90.	100.00	85.	100.00	80.	100.00	75.	100.00	70.	100.00
75.	100.00	70.	100.00	65.	100.00	60.	100.00	55.	100.00	50.	100.00	45.	100.00	40.	100.00
45.	100.00	40.	100.00	35.	100.00	30.	100.00	25.	100.00	20.	100.00				

MICROFILM
JUN 12 1966

ST. MARIES RIVER NR SANTA (1966-90)

12414900

FLOW DURATION TABLE FOR STATION 12414900 FROM 1 MAY TO 31 MAY

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1870.	4.52	1770.	5.03	1720.	5.81	1670.	6.45	1620.	7.23	1570.	8.52
1520.	9.29	1470.	11.48	1420.	12.39	1370.	14.06	1320.	14.71	1270.	18.71
1220.	20.00	1170.	22.32	1120.	24.13	1070.	27.35	1020.	30.06	970.	33.55
920.	36.39	870.	38.97	820.	40.77	770.	42.45	720.	45.55	670.	48.65
620.	52.00	570.	56.00	520.	60.65	470.	65.55	420.	70.45	370.	75.35
320.	80.90	270.	89.94	260.	91.23	250.	93.16	240.	94.97	230.	96.00
220.	96.77	210.	97.29	200.	97.94	190.	98.58	180.	99.23	170.	99.48
165.	99.61	160.	99.74	155.	100.00	150.	100.00	145.	100.00	140.	100.00
135.	100.00	130.	100.00	125.	100.00	120.	100.00	115.	100.00	110.	100.00
105.	100.00	100.	100.00	95.	100.00	90.	100.00	85.	100.00	80.	100.00
75.	100.00	70.	100.00	65.	100.00	60.	100.00	55.	100.00	50.	100.00
45.	100.00	40.	100.00	35.	100.00	30.	100.00	25.	100.00	20.	100.00

MICROFILMED
JUN 12 1988

12414900

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1870.	0.53	1770.	0.53	1720.	0.67	1670.	0.93	1620.	0.93	1570.	0.93
1520.	0.93	1470.	1.07	1420.	1.07	1370.	1.07	1320.	1.33	1270.	2.00
1220.	2.93	1170.	3.87	1120.	4.27	1070.	4.67	1020.	5.20	970.	5.73
920.	6.00	870.	7.20	820.	8.40	770.	9.87	720.	11.07	670.	12.27
620.	14.13	570.	16.00	520.	18.80	470.	23.20	420.	28.27	370.	36.40
320.	44.27	270.	52.93	260.	55.07	250.	57.47	240.	59.73	230.	62.53
220.	64.13	210.	66.53	200.	69.20	190.	71.60	180.	74.13	170.	76.53
165.	77.73	160.	79.07	155.	79.87	150.	81.60	145.	83.20	140.	85.87
135.	86.93	130.	88.80	125.	90.13	120.	92.00	115.	92.80	110.	94.80
105.	95.73	100.	96.93	95.	98.00	90.	98.67	85.	99.07	80.	99.87
75.	100.00	70.	100.00	65.	100.00	60.	100.00	55.	100.00	50.	100.00
45.	100.00	40.	100.00	35.	100.00	30.	100.00	25.	100.00	20.	100.00

MICROFILM
JUN 12 1938

ST. MARIES RIVER NR SANTA (1966-90)

12414900

FLOW DURATION TABLE FOR STATION 12414900 FROM 1 SEP TO 30 SEP

FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +	FLOW	PERCENT = / +
1870.	0.00	1770.	0.00	1720.	0.00	1670.	0.00	1620.	0.00	1570.	0.00
1520.	0.00	1470.	0.00	1420.	0.00	1370.	0.00	1320.	0.00	1270.	0.00
1220.	0.00	1170.	0.00	1120.	0.00	1070.	0.00	1020.	0.00	970.	0.00
920.	0.00	870.	0.00	820.	0.00	770.	0.00	720.	0.00	670.	0.00
620.	0.00	570.	0.00	520.	0.00	470.	0.00	420.	0.00	370.	0.00
320.	0.00	270.	0.00	260.	0.00	250.	0.28	240.	0.28	230.	0.56
220.	0.56	210.	0.69	200.	0.83	190.	0.83	180.	0.97	170.	1.11
165.	1.25	160.	1.25	155.	1.25	150.	1.25	145.	1.39	140.	1.39
135.	1.39	130.	2.22	125.	2.64	120.	3.33	115.	4.31	110.	5.28
105.	6.53	100.	7.92	95.	9.86	90.	11.81	85.	14.17	80.	18.19
75.	23.06	70.	30.42	65.	41.39	60.	53.19	55.	65.56	50.	71.94
45.	78.61	40.	85.83	35.	97.22	30.	100.00	25.	100.00	20.	100.00

MICROFILMED
JUN 12 1986

STATION ST. MARIES RIVER NR SANTA (1966-90) 12414900
FLOW DURATION TABLE

***** DAILY FLOW DATA *****

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	EXCEEDANCE FREQUENCY			
								0.75	0.50	0.25	0.10
JAN	1	29.	1979	648.	1981	132.		78.	108.	150.	263.
JAN	2	35.	1979	499.	1981	127.		81.	110.	150.	270.
JAN	3	38.	1979	409.	1981	126.		84.	115.	165.	250.
JAN	4	40.	1988	600.	1969	146.		81.	113.	180.	348.
JAN	5	39.	1988	1000.	1969	184.		88.	110.	250.	562.
JAN	6	41.	1988	1700.	1969	263.		84.	115.	285.	1270.
JAN	7	43.	1988	2200.	1969	343.		80.	120.	451.	1330.
JAN	8	43.	1988	2500.	1990	380.		79.	120.	400.	1820.
JAN	9	42.	1988	1540.	1990	301.		76.	118.	450.	1300.
JAN	10	41.	1988	2070.	1990	294.		78.	118.	420.	1010.
JAN	11	41.	1988	993.	1990	227.		77.	121.	352.	800.
JAN	12	43.	1988	658.	1969	198.		89.	154.	328.	653.
JAN	13	47.	1988	620.	1969	201.		96.	165.	311.	500.
JAN	14	52.	1988	1080.	1974	270.		99.	180.	306.	900.
JAN	15	53.	1979	6110.	1974	514.		102.	260.	526.	800.
JAN	16	54.	1979	9120.	1974	707.		110.	292.	541.	1700.
JAN	17	54.	1979	6600.	1974	579.		133.	225.	460.	1390.
JAN	18	54.	1979	5300.	1974	502.		130.	249.	500.	1130.
JAN	19	54.	1979	3700.	1974	448.		145.	250.	470.	1080.
JAN	20	54.	1979	2580.	1974	429.		156.	255.	463.	1310.
JAN	21	54.	1979	4220.	1972	504.		150.	240.	598.	1810.
JAN	22	54.	1979	2540.	1972	401.		144.	238.	486.	1480.
JAN	23	54.	1979	1560.	1970	366.		149.	221.	404.	1420.
JAN	24	54.	1979	1590.	1970	368.		160.	233.	432.	1320.
JAN	25	55.	1979	1520.	1970	362.		150.	248.	454.	1270.
JAN	26	55.	1979	2160.	1984	416.		140.	257.	560.	1220.
JAN	27	53.	1979	1490.	1984	401.		130.	255.	560.	1170.
JAN	28	45.	1979	1130.	1974	342.		130.	243.	540.	1080.
JAN	29	42.	1979	1100.	1974	313.		140.	236.	500.	903.
JAN	30	40.	1979	1080.	1974	317.		150.	260.	409.	950.
JAN	31	39.	1979	1300.	1971	333.		140.	264.	420.	892.

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STATION ST. MARIES RIVER NR SANTA (1966-90) 12414900
FLOW DURATION TABLE

				***** DAILY FLOW DATA *****			
				AVERAGE	COUNT	0.90	
MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR		
FEB	1	39.	1979	1270.	1971	365.	100.
FEB	2	40.	1979	1950.	1987	367.	98.
FEB	3	42.	1979	1260.	1987	325.	102.
FEB	4	43.	1979	1000.	1974	294.	110.
FEB	5	46.	1979	908.	1974	282.	110.
FEB	6	48.	1979	906.	1978	282.	100.
FEB	7	52.	1979	1070.	1978	278.	110.
FEB	8	60.	1979	1310.	1978	270.	115.
FEB	9	78.	1979	1030.	1978	251.	120.
FEB	10	58.	1981	822.	1978	273.	130.
FEB	11	128.	1981	2110.	1990	342.	137.
FEB	12	121.	1980	1400.	1990	315.	140.
FEB	13	117.	1980	910.	1990	364.	140.
FEB	14	110.	1980	1120.	1984	431.	140.
FEB	15	98.	1980	2800.	1982	500.	130.
FEB	16	98.	1980	3220.	1981	614.	125.
FEB	17	99.	1980	3600.	1982	697.	125.
FEB	18	114.	1973	2900.	1982	656.	141.
FEB	19	110.	1973	3860.	1968	769.	145.
FEB	20	110.	1973	6260.	1968	864.	150.
FEB	21	104.	1973	5500.	1982	738.	150.
FEB	22	106.	1973	3690.	1982	610.	155.
FEB	23	116.	1973	2360.	1968	500.	140.
FEB	24	112.	1973	2360.	1968	528.	140.
FEB	25	104.	1987	2370.	1986	514.	140.
FEB	26	95.	1987	2050.	1986	499.	160.
FEB	27	91.	1987	1720.	1986	505.	146.
FEB	28	94.	1977	3900.	1972	583.	148.
FEB	29	237.	1988	3320.	1972	1017.	283.
				0.75		0.50	
				120.	240.	600.	1230.
				130.	211.	540.	1050.
				125.	200.	515.	832.
				141.	202.	435.	690.
				124.	198.	440.	610.
				148.	194.	435.	696.
				138.	190.	414.	588.
				148.	190.	369.	515.
				152.	185.	317.	515.
				145.	200.	400.	797.
				152.	246.	365.	830.
				158.	250.	386.	724.
				190.	305.	558.	830.
				227.	378.	628.	976.
				250.	373.	587.	1050.
				240.	395.	581.	3100.
				240.	333.	844.	3230.
				230.	337.	700.	2840.
				229.	376.	984.	2890.
				200.	371.	730.	4450.
				180.	353.	723.	3500.
				180.	305.	520.	3190.
				190.	328.	460.	2120.
				200.	346.	698.	2000.
				203.	378.	688.	1580.
				210.	390.	616.	1580.
				190.	409.	607.	1400.
				228.	450.	630.	1400.
				495.	860.	3320.	3320.

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STATION ST. MARIES RIVER NR SANTA (1966-90) 12414900
FLOW DURATION TABLE

***** DAILY FLOW DATA *****

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	EXCEEDANCE FREQUENCY				
								0.75	0.50	0.25	0.10	
MAR	1	106.	1977	1960.	1972	518.		280.	419.	735.	1300.	
MAR	2	113.	1977	1580.	1982	539.		291.	452.	730.	1420.	
MAR	3	101.	1977	1280.	1982	536.		310.	441.	884.	1260.	
MAR	4	96.	1977	1580.	1987	539.		280.	384.	830.	1240.	
MAR	5	91.	1977	1890.	1983	548.		272.	380.	920.	1240.	
MAR	6	96.	1977	1920.	1983	590.		240.	406.	912.	1730.	
MAR	7	125.	1977	1840.	1986	618.		290.	460.	820.	1720.	
MAR	8	160.	1969	2530.	1986	638.		339.	458.	921.	1770.	
MAR	9	150.	1969	2260.	1986	673.		374.	496.	900.	1790.	
MAR	10	140.	1969	2390.	1982	698.		382.	485.	892.	1860.	
MAR	11	150.	1969	2360.	1982	757.		406.	631.	952.	2020.	
MAR	12	160.	1969	2950.	1972	765.		350.	561.	1090.	1990.	
MAR	13	141.	1977	3540.	1972	775.		339.	591.	1130.	1880.	
MAR	14	125.	1977	5120.	1972	835.		295.	540.	1160.	1970.	
MAR	15	111.	1977	3360.	1972	752.		338.	530.	1000.	2470.	
MAR	16	109.	1977	3090.	1972	698.		356.	511.	862.	1870.	
MAR	17	109.	1977	3880.	1972	770.		453.	620.	960.	1620.	
MAR	18	101.	1977	4300.	1972	755.		438.	600.	802.	1360.	
MAR	19	104.	1977	4000.	1972	740.		410.	662.	778.	1270.	
MAR	20	96.	1977	3040.	1972	673.		380.	594.	728.	1380.	
MAR	21	101.	1977	2440.	1972	669.		350.	586.	750.	2220.	
MAR	22	101.	1977	2400.	1984	658.		350.	556.	748.	2200.	
MAR	23	141.	1977	2710.	1972	664.		346.	550.	830.	1860.	
MAR	24	150.	1977	2260.	1972	668.		354.	612.	857.	1530.	
MAR	25	137.	1977	1870.	1972	637.		350.	613.	815.	1260.	
MAR	26	137.	1977	1430.	1972	669.		437.	705.	955.	1220.	
MAR	27	208.	1977	2310.	1988	748.		410.	710.	1050.	1250.	
MAR	28	205.	1977	2010.	1974	750.		424.	875.	1060.	1150.	
MAR	29	164.	1977	2240.	1974	752.		415.	824.	1060.	1300.	
MAR	30	139.	1977	2260.	1974	799.		515.	759.	1160.	1700.	
MAR	31	152.	1977	3380.	1974	843.		475.	741.	1120.	1600.	

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STATION ST. MARIES RIVER NR SANTA (1966-90) 12414900
FLOW DURATION TABLE

***** DAILY FLOW DATA *****

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	EXCEEDANCE FREQUENCY			
								0.75	0.50	0.25	0.10
APR	1	152.	1977	2440.	1974	817.		491.	746.	1200.	1400.
APR	2	152.	1977	2240.	1974	807.		436.	730.	1200.	1660.
APR	3	143.	1977	1780.	1974	805.		478.	740.	1230.	1670.
APR	4	164.	1977	1680.	1969	784.		490.	720.	1080.	1630.
APR	5	252.	1973	1830.	1969	764.		514.	725.	1220.	1480.
APR	6	265.	1973	2230.	1969	870.		515.	752.	1300.	2020.
APR	7	269.	1973	2470.	1972	946.		496.	921.	1380.	1910.
APR	8	272.	1973	1930.	1972	931.		562.	754.	1500.	1880.
APR	9	272.	1973	2580.	1976	958.		582.	706.	1410.	1950.
APR	10	272.	1973	2590.	1976	959.		495.	1050.	1310.	2180.
APR	11	272.	1973	3180.	1985	993.		530.	1020.	1250.	2430.
APR	12	286.	1973	3290.	1982	1074.		575.	872.	1320.	2950.
APR	13	309.	1973	2870.	1982	1024.		513.	914.	1380.	2590.
APR	14	324.	1973	2980.	1982	1005.		520.	847.	1530.	2370.
APR	15	298.	1973	2530.	1985	996.		489.	865.	1450.	2330.
APR	16	314.	1983	2610.	1985	986.		490.	970.	1410.	1980.
APR	17	310.	1968	2400.	1985	960.		515.	937.	1430.	1730.
APR	18	290.	1977	1950.	1985	913.		505.	855.	1520.	1840.
APR	19	253.	1977	1950.	1969	843.		455.	778.	1120.	1680.
APR	20	233.	1977	1880.	1969	828.		466.	837.	1240.	1770.
APR	21	227.	1977	1970.	1989	803.		439.	795.	1030.	1600.
APR	22	240.	1977	2050.	1989	799.		475.	794.	1050.	1900.
APR	23	249.	1968	2200.	1969	839.		450.	927.	1110.	1760.
APR	24	246.	1968	2400.	1969	920.		470.	952.	1260.	2130.
APR	25	235.	1968	2370.	1974	911.		515.	865.	1390.	1600.
APR	26	252.	1968	2310.	1974	860.		550.	792.	1270.	1410.
APR	27	246.	1968	2020.	1974	810.		537.	708.	1260.	1380.
APR	28	235.	1968	1980.	1974	843.		503.	764.	1230.	1470.
APR	29	246.	1968	1720.	1974	848.		450.	850.	1280.	1690.
APR	30	248.	1973	1770.	1974	841.		486.	847.	1290.	1610.

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FLOW DURATION TABLE

***** DAILY FLOW DATA *****

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	0.90	0.75	0.50	FREQUENCY	0.25	0.10
MAY	1	236.	1973	2010.	1974	848.		356.	520.	855.	1290.	1290.	1520.
MAY	2	226.	1973	1880.	1974	891.		349.	506.	829.	1430.	1430.	1750.
MAY	3	230.	1973	1750.	1971	931.		422.	485.	1000.	1450.	1450.	1680.
MAY	4	270.	1968	1980.	1971	946.		394.	495.	1000.	1460.	1460.	1620.
MAY	5	280.	1968	3220.	1979	977.		366.	443.	955.	1290.	1290.	1930.
MAY	6	259.	1973	5210.	1979	1058.		339.	518.	991.	1400.	1400.	1870.
MAY	7	248.	1973	3580.	1979	995.		323.	479.	970.	1390.	1390.	1940.
MAY	8	249.	1968	2210.	1979	951.		334.	446.	1080.	1420.	1420.	2000.
MAY	9	242.	1968	2310.	1972	938.		324.	415.	1000.	1500.	1500.	1980.
MAY	10	242.	1968	2170.	1972	947.		321.	431.	967.	1480.	1480.	1880.
MAY	11	246.	1968	2350.	1975	954.		367.	386.	885.	1480.	1480.	2300.
MAY	12	260.	1968	2390.	1975	895.		302.	404.	750.	1420.	1420.	1850.
MAY	13	270.	1968	2060.	1975	845.		301.	392.	686.	1380.	1380.	1950.
MAY	14	257.	1977	2170.	1972	836.		286.	388.	724.	1290.	1290.	2150.
MAY	15	256.	1987	2670.	1975	853.		294.	396.	688.	1170.	1170.	2360.
MAY	16	234.	1987	2420.	1975	835.		280.	423.	767.	1100.	1100.	2230.
MAY	17	209.	1987	2190.	1972	800.		283.	360.	903.	1090.	1090.	1970.
MAY	18	219.	1987	2060.	1972	782.		284.	404.	810.	1210.	1210.	1750.
MAY	19	199.	1987	1610.	1972	732.		272.	404.	800.	1160.	1160.	1610.
MAY	20	189.	1987	1530.	1972	721.		252.	430.	747.	1140.	1140.	1300.
MAY	21	182.	1987	1520.	1972	688.		269.	427.	710.	1010.	1010.	1290.
MAY	22	175.	1987	1640.	1972	686.		242.	377.	685.	1030.	1030.	1290.
MAY	23	166.	1987	1610.	1972	677.		245.	409.	665.	1070.	1070.	1290.
MAY	24	159.	1987	1380.	1972	646.		236.	372.	650.	1030.	1030.	1290.
MAY	25	194.	1987	1260.	1974	617.		256.	344.	628.	884.	884.	1170.
MAY	26	199.	1988	1400.	1974	633.		269.	415.	608.	862.	862.	1330.
MAY	27	186.	1987	1480.	1974	609.		240.	396.	575.	820.	820.	1280.
MAY	28	174.	1987	1480.	1974	585.		245.	398.	595.	762.	762.	1080.
MAY	29	163.	1987	3210.	1990	669.		252.	366.	535.	847.	847.	1400.
MAY	30	158.	1987	3240.	1990	699.		240.	359.	562.	988.	988.	1320.
MAY	31	182.	1973	1870.	1990	620.		268.	325.	544.	932.	932.	1240.

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FLOW DURATION TABLE

***** DAILY FLOW DATA *****

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	EXCEEDANCE FREQUENCY			
								0.75	0.50	0.25	0.10
JUN	1	180.	1973	2230.	1990	598.		305.	482.	834.	1200.
JUN	2	175.	1973	5380.	1990	726.		305.	479.	815.	1300.
JUN	3	177.	1973	3840.	1990	642.		292.	444.	722.	1300.
JUN	4	167.	1973	2530.	1990	568.		291.	425.	680.	1350.
JUN	5	152.	1973	1710.	1990	538.		288.	407.	722.	1700.
JUN	6	142.	1973	1740.	1974	511.		290.	424.	672.	1330.
JUN	7	145.	1987	1500.	1974	510.		276.	380.	796.	1300.
JUN	8	145.	1987	1300.	1974	485.		266.	400.	737.	1160.
JUN	9	144.	1987	1180.	1974	459.		255.	382.	672.	1040.
JUN	10	136.	1987	1120.	1974	420.		250.	379.	622.	891.
JUN	11	127.	1987	1130.	1974	405.		231.	363.	559.	828.
JUN	12	121.	1987	1180.	1974	384.		216.	359.	531.	784.
JUN	13	115.	1987	1240.	1974	415.		207.	372.	520.	1040.
JUN	14	110.	1987	1240.	1974	390.		200.	381.	502.	904.
JUN	15	112.	1987	1250.	1974	398.		192.	344.	609.	1010.
JUN	16	127.	1973	1230.	1974	381.		182.	355.	565.	830.
JUN	17	124.	1987	1190.	1974	370.		180.	352.	580.	652.
JUN	18	113.	1987	1080.	1974	336.		175.	348.	491.	552.
JUN	19	117.	1977	996.	1974	319.		162.	328.	471.	575.
JUN	20	113.	1988	908.	1974	295.		154.	308.	422.	490.
JUN	21	108.	1988	804.	1974	286.		146.	312.	383.	703.
JUN	22	102.	1988	690.	1974	271.		144.	301.	352.	652.
JUN	23	98.	1988	642.	1974	259.		149.	286.	332.	520.
JUN	24	96.	1988	582.	1974	247.		152.	280.	312.	455.
JUN	25	92.	1988	525.	1974	232.		160.	255.	301.	417.
JUN	26	89.	1977	486.	1974	221.		135.	244.	298.	404.
JUN	27	86.	1977	442.	1974	213.		124.	238.	283.	379.
JUN	28	82.	1977	428.	1983	215.		120.	231.	315.	398.
JUN	29	80.	1977	404.	1971	199.		121.	212.	255.	366.
JUN	30	78.	1977	342.	1974	187.		131.	202.	241.	338.

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STATION ST. MARIES RIVER NR SANTA (1966-90) 12414900
FLOW DURATION TABLE

***** DAILY FLOW DATA *****

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	EXCEEDANCE FREQUENCY			
								0.75	0.50	0.25	0.10
JUL	1	76.	1977	324.	1974	178.		131.	191.	230.	301.
JUL	2	75.	1987	304.	1974	176.		129.	188.	223.	288.
JUL	3	59.	1986	291.	1974	168.		122.	188.	224.	289.
JUL	4	70.	1973	267.	1974	163.		116.	181.	212.	260.
JUL	5	68.	1973	267.	1974	164.		124.	171.	207.	249.
JUL	6	67.	1973	288.	1974	160.		121.	162.	200.	252.
JUL	7	67.	1973	390.	1981	157.		106.	189.	206.	258.
JUL	8	65.	1973	267.	1981	152.		101.	150.	202.	260.
JUL	9	63.	1973	230.	1974	142.		95.	144.	192.	216.
JUL	10	62.	1973	299.	1971	141.		91.	156.	185.	235.
JUL	11	59.	1973	285.	1974	140.		102.	149.	175.	256.
JUL	12	59.	1973	232.	1974	132.		95.	136.	166.	223.
JUL	13	57.	1973	212.	1975	132.		96.	138.	172.	208.
JUL	14	56.	1973	241.	1983	134.		94.	150.	182.	195.
JUL	15	57.	1977	210.	1983	126.		91.	139.	170.	182.
JUL	16	54.	1977	204.	1983	118.		89.	122.	153.	176.
JUL	17	53.	1973	184.	1983	115.		96.	126.	144.	166.
JUL	18	52.	1973	169.	1983	112.		89.	120.	140.	158.
JUL	19	51.	1973	169.	1972	112.		93.	116.	141.	159.
JUL	20	52.	1973	165.	1983	106.		85.	111.	133.	162.
JUL	21	54.	1973	209.	1983	105.		80.	105.	129.	175.
JUL	22	55.	1973	188.	1972	101.		75.	102.	128.	163.
JUL	23	52.	1973	211.	1987	100.		75.	103.	122.	151.
JUL	24	49.	1973	146.	1983	94.		74.	104.	119.	137.
JUL	25	48.	1973	144.	1983	92.		69.	90.	115.	133.
JUL	26	46.	1973	140.	1983	91.		70.	90.	113.	127.
JUL	27	45.	1973	134.	1983	87.		70.	85.	110.	120.
JUL	28	43.	1973	131.	1983	84.		65.	84.	107.	124.
JUL	29	43.	1973	152.	1970	83.		62.	81.	102.	127.
JUL	30	42.	1973	123.	1975	81.		62.	78.	100.	122.
JUL	31	41.	1973	120.	1983	78.		60.	76.	99.	112.

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FLOW DURATION TABLE

***** DAILY FLOW DATA *****

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	EXCEEDANCE FREQUENCY			
								0.75	0.50	0.25	0.10
AUG	1	39.	1973	132.	1975	79.		59.	75.	100.	118.
AUG	2	40.	1973	130.	1983	77.		55.	75.	99.	110.
AUG	3	39.	1973	150.	1976	80.		56.	74.	99.	123.
AUG	4	38.	1973	121.	1976	77.		54.	74.	98.	115.
AUG	5	41.	1973	108.	1983	72.		51.	72.	92.	101.
AUG	6	42.	1977	102.	1983	70.		50.	72.	87.	95.
AUG	7	41.	1977	99.	1983	69.		53.	71.	84.	95.
AUG	8	40.	1973	98.	1983	67.		50.	70.	83.	92.
AUG	9	38.	1973	98.	1983	67.		50.	67.	82.	88.
AUG	10	38.	1977	97.	1983	65.		49.	68.	80.	87.
AUG	11	37.	1977	110.	1983	65.		47.	67.	79.	90.
AUG	12	37.	1977	119.	1983	65.		46.	67.	78.	92.
AUG	13	37.	1977	109.	1978	65.		46.	67.	78.	103.
AUG	14	36.	1973	98.	1978	64.		50.	66.	76.	95.
AUG	15	35.	1973	93.	1983	65.		56.	67.	80.	90.
AUG	16	35.	1973	146.	1976	73.		58.	69.	89.	131.
AUG	17	35.	1977	115.	1976	65.		57.	63.	73.	108.
AUG	18	34.	1977	104.	1980	64.		52.	63.	78.	93.
AUG	19	34.	1977	110.	1980	62.		49.	62.	81.	89.
AUG	20	34.	1977	85.	1976	60.		47.	62.	79.	84.
AUG	21	34.	1977	103.	1976	62.		46.	66.	76.	93.
AUG	22	34.	1973	100.	1989	62.		44.	66.	75.	96.
AUG	23	33.	1973	162.	1984	72.		44.	63.	101.	147.
AUG	24	35.	1973	391.	1975	82.		45.	60.	95.	181.
AUG	25	36.	1966	177.	1975	69.		47.	59.	81.	157.
AUG	26	36.	1986	119.	1983	64.		46.	58.	79.	114.
AUG	27	36.	1988	98.	1983	64.		50.	60.	82.	96.
AUG	28	35.	1988	102.	1968	63.		52.	61.	78.	99.
AUG	29	34.	1986	134.	1975	62.		53.	60.	70.	94.
AUG	30	35.	1988	102.	1975	59.		50.	60.	68.	78.
AUG	31	34.	1988	102.	1975	62.		53.	64.	74.	80.

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JUN 12 1988

***** DAILY FLOW DATA *****

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	EXCEEDANCE FREQUENCY	0.75	0.50	0.25	0.10
SEP	1	34.	1988	104.	1975	64.		51.	62.	75.		100.
SEP	2	34.	1988	166.	1971	66.		48.	60.	77.		97.
SEP	3	34.	1988	176.	1971	66.		39.	59.	70.		127.
SEP	4	34.	1988	120.	1971	61.		49.	58.	70.		87.
SEP	5	34.	1988	94.	1970	59.		49.	57.	70.		93.
SEP	6	34.	1988	84.	1985	59.		47.	58.	76.		83.
SEP	7	32.	1988	118.	1970	62.		45.	58.	81.		95.
SEP	8	32.	1988	130.	1970	61.		44.	58.	74.		123.
SEP	9	33.	1988	108.	1978	59.		44.	58.	73.		87.
SEP	10	33.	1988	86.	1978	56.		44.	57.	71.		74.
SEP	11	34.	1988	183.	1983	62.		44.	59.	70.		101.
SEP	12	35.	1973	133.	1982	66.		44.	61.	74.		133.
SEP	13	34.	1973	105.	1982	60.		46.	62.	69.		101.
SEP	14	35.	1973	91.	1983	59.		48.	63.	70.		80.
SEP	15	35.	1988	114.	1968	61.		48.	63.	68.		105.
SEP	16	34.	1988	123.	1985	61.		46.	62.	68.		119.
SEP	17	34.	1988	250.	1985	65.		45.	60.	67.		90.
SEP	18	36.	1988	257.	1988	72.		45.	60.	76.		207.
SEP	19	36.	1987	237.	1968	71.		45.	60.	76.		147.
SEP	20	36.	1987	132.	1968	67.		57.	67.	73.		112.
SEP	21	36.	1987	122.	1968	70.		57.	68.	86.		112.
SEP	22	34.	1987	118.	1968	67.		57.	68.	78.		104.
SEP	23	34.	1987	131.	1976	68.		57.	64.	81.		115.
SEP	24	33.	1987	231.	1976	74.		55.	64.	86.		122.
SEP	25	33.	1987	131.	1972	70.		55.	65.	95.		118.
SEP	26	33.	1987	128.	1971	68.		58.	64.	81.		101.
SEP	27	33.	1987	110.	1971	65.		57.	62.	84.		95.
SEP	28	35.	1987	97.	1981	65.		57.	63.	79.		97.
SEP	29	35.	1987	128.	1986	69.		56.	62.	91.		110.
SEP	30	35.	1987	210.	1986	71.		54.	62.	78.		107.

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JUN 12 1998

STATION ST. MARIES RIVER NR SANTA (1966-90) 12414900
FLOW DURATION TABLE

***** DAILY FLOW DATA *****

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	EXCEEDANCE FREQUENCY			
								0.75	0.50	0.25	0.10
OCT	1	34.	1987	152.	1986	67.		58.	64.	75.	99.
OCT	2	34.	1987	126.	1969	65.		58.	63.	71.	111.
OCT	3	34.	1987	104.	1976	66.		57.	63.	74.	102.
OCT	4	35.	1987	86.	1967	63.		56.	62.	77.	84.
OCT	5	35.	1987	91.	1975	60.		55.	60.	71.	78.
OCT	6	35.	1987	102.	1970	60.		51.	62.	70.	82.
OCT	7	35.	1987	114.	1975	62.		54.	62.	73.	86.
OCT	8	35.	1987	120.	1981	64.		53.	62.	75.	102.
OCT	9	35.	1987	107.	1981	62.		52.	62.	74.	90.
OCT	10	35.	1987	119.	1970	64.		51.	63.	72.	117.
OCT	11	36.	1987	147.	1972	65.		51.	61.	77.	102.
OCT	12	36.	1987	286.	1968	73.		54.	63.	81.	110.
OCT	13	36.	1987	266.	1968	72.		57.	60.	77.	110.
OCT	14	36.	1987	154.	1968	69.		56.	66.	83.	104.
OCT	15	35.	1987	185.	1968	68.		55.	65.	79.	91.
OCT	16	35.	1987	232.	1968	68.		53.	62.	72.	85.
OCT	17	35.	1987	158.	1968	65.		54.	62.	70.	95.
OCT	18	36.	1987	140.	1968	64.		53.	60.	74.	102.
OCT	19	36.	1966	140.	1968	67.		52.	60.	81.	129.
OCT	20	37.	1987	245.	1971	74.		53.	63.	78.	147.
OCT	21	38.	1987	226.	1968	71.		53.	67.	87.	120.
OCT	22	38.	1987	192.	1968	77.		54.	68.	88.	170.
OCT	23	38.	1987	168.	1968	80.		55.	73.	106.	139.
OCT	24	38.	1987	156.	1970	84.		56.	88.	115.	152.
OCT	25	38.	1987	352.	1985	85.		56.	72.	97.	137.
OCT	26	38.	1987	200.	1984	87.		56.	75.	118.	170.
OCT	27	38.	1987	184.	1984	83.		57.	74.	121.	153.
OCT	28	38.	1987	189.	1967	80.		56.	75.	97.	133.
OCT	29	38.	1987	123.	1984	77.		57.	74.	104.	121.
OCT	30	38.	1987	125.	1977	77.		57.	72.	102.	117.
OCT	31	38.	1987	203.	1975	79.		58.	70.	97.	152.

MICRO-LOG
JUN 12 1988

STATION ST. MARIES RIVER NR SANTA (1966-90) 12414900
FLOW DURATION TABLE

***** DAILY FLOW DATA *****

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	EXCEEDANCE FREQUENCY			
								0.75	0.50	0.25	0.10
NOV	1	37.	1966	204.	1985	77.		59.	76.	95.	140.
NOV	2	36.	1966	310.	1984	92.		58.	69.	110.	253.
NOV	3	37.	1966	461.	1984	100.		60.	68.	113.	195.
NOV	4	35.	1966	327.	1984	101.		61.	78.	152.	221.
NOV	5	36.	1966	205.	1972	97.		60.	84.	130.	200.
NOV	6	38.	1987	253.	1982	98.		59.	75.	150.	231.
NOV	7	38.	1987	282.	1989	114.		66.	84.	164.	267.
NOV	8	38.	1987	237.	1980	101.		60.	92.	142.	198.
NOV	9	38.	1987	212.	1968	97.		70.	86.	131.	164.
NOV	10	36.	1978	395.	1973	105.		68.	93.	137.	202.
NOV	11	34.	1978	494.	1983	122.		70.	99.	138.	413.
NOV	12	33.	1978	783.	1973	147.		69.	86.	136.	550.
NOV	13	34.	1978	500.	1973	141.		74.	93.	176.	450.
NOV	14	36.	1978	419.	1984	129.		69.	104.	158.	338.
NOV	15	45.	1978	334.	1973	120.		65.	100.	156.	307.
NOV	16	47.	1978	1110.	1973	157.		68.	101.	160.	338.
NOV	17	53.	1987	627.	1983	147.		76.	102.	168.	582.
NOV	18	41.	1987	555.	1983	132.		75.	107.	144.	310.
NOV	19	46.	1987	450.	1983	121.		78.	91.	150.	267.
NOV	20	41.	1977	435.	1983	114.		73.	90.	133.	209.
NOV	21	38.	1977	409.	1983	126.		81.	103.	166.	268.
NOV	22	37.	1977	400.	1968	139.		74.	119.	204.	314.
NOV	23	49.	1969	540.	1968	139.		68.	109.	182.	530.
NOV	24	47.	1969	420.	1968	137.		72.	105.	168.	420.
NOV	25	44.	1969	352.	1986	143.		79.	125.	200.	350.
NOV	26	30.	1967	466.	1977	133.		83.	118.	191.	254.
NOV	27	27.	1967	294.	1977	116.		76.	106.	154.	259.
NOV	28	26.	1979	456.	1986	122.		73.	110.	170.	236.
NOV	29	25.	1979	396.	1986	134.		66.	100.	170.	360.
NOV	30	26.	1979	390.	1973	125.		66.	96.	176.	339.

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JUN 12 1988

STATION ST. MARIES RIVER NR SANTA (1966-90) 12414900
FLOW DURATION TABLE

***** DAILY FLOW DATA *****

MON	DAY	MINIMUM	YEAR	MAXIMUM	YEAR	AVERAGE	COUNT	EXCEEDANCE FREQUENCY			
								0.90	0.75	0.50	0.25
DEC	1	36.	1967	480.	1973	120.		62.	95.	170.	230.
DEC	2	40.	1967	1730.	1977	198.		89.	120.	159.	660.
DEC	3	46.	1969	1520.	1977	206.		96.	125.	202.	500.
DEC	4	47.	1969	1090.	1975	241.		90.	117.	338.	836.
DEC	5	48.	1969	956.	1975	203.		90.	114.	255.	537.
DEC	6	48.	1978	1170.	1981	216.		100.	152.	256.	553.
DEC	7	41.	1978	683.	1981	200.		90.	130.	214.	558.
DEC	8	49.	1978	1160.	1973	209.		76.	123.	260.	720.
DEC	9	58.	1978	727.	1975	179.		79.	118.	195.	594.
DEC	10	58.	1985	520.	1975	187.		79.	140.	336.	435.
DEC	11	56.	1985	698.	1983	190.		80.	120.	246.	559.
DEC	12	55.	1985	822.	1977	189.		93.	115.	222.	624.
DEC	13	55.	1985	1200.	1977	199.		84.	115.	225.	576.
DEC	14	53.	1987	2880.	1977	273.		72.	130.	210.	510.
DEC	15	50.	1965	2110.	1977	233.		76.	140.	193.	466.
DEC	16	42.	1965	1530.	1977	218.		75.	137.	214.	755.
DEC	17	39.	1965	1380.	1973	211.		73.	130.	185.	1010.
DEC	18	37.	1965	1360.	1973	198.		72.	122.	190.	750.
DEC	19	52.	1965	846.	1973	169.		68.	120.	199.	576.
DEC	20	45.	1987	696.	1973	176.		68.	116.	194.	615.
DEC	21	43.	1987	1080.	1973	214.		69.	142.	261.	920.
DEC	22	48.	1987	1120.	1980	251.		72.	135.	280.	1040.
DEC	23	50.	1987	1020.	1973	217.		75.	130.	178.	988.
DEC	24	46.	1987	853.	1973	187.		80.	135.	195.	690.
DEC	25	44.	1987	2210.	1980	240.		85.	122.	168.	783.
DEC	26	43.	1987	3230.	1980	277.		80.	124.	219.	606.
DEC	27	42.	1987	2040.	1980	235.		75.	115.	172.	846.
DEC	28	39.	1978	1070.	1980	176.		70.	109.	160.	480.
DEC	29	31.	1978	662.	1980	153.		74.	106.	157.	426.
DEC	30	28.	1978	898.	1980	162.		85.	115.	155.	438.
DEC	31	27.	1978	961.	1980	154.		80.	106.	178.	349.

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JUN 12 1988

7/13/97

Glen Saxton
Idaho Water Resources Board
PO Box 83720
Boise, ID 83720

Dear Mr. Saxton,

I am in support of the requested minimums flows for the Clark Fork, Pend Oreille, St. Joe and St. Maries Rivers. The levels of flows are as follows:

St. Joe River- 941 cubic feet per second (cfs) from November 1 to July 31 and 470 cfs from August 1 to October 31. The 36 mile segment starts at the confluence of the St. Joe and Marble Creek, ending at the confluence of the St. Joe and the St. Maries Rivers.

Clark Fork River- 9,335 cfs year round on 8.4 miles starting at Cabinet Gorge Dam running down stream to Lake Pend Oreille.

St. Maries River- 141 cfs from December 1 to July 31 and 65 cfs from August 1 to November 30. The 26 mile reach starts at the confluence of the West and Middle Forks of the St. Maries downstream to the confluence with John Creek.

Pend Oreille River- 10,665 cfs year round on a 2.4 mile reach from Albeni Falls Dam downstream to the Idaho state line.

I am very concerned about the St. Joe River. I fish and raft the river and believe it is one of the last healthy fisheries for West Slope Cutthroat and Bull trout. The minimum flow will protect this fishery wildlife habitat, water quality and aesthetics.

My use of the Clark Fork, St. Maries, and Pend Oreille rivers is limited in Idaho. I float and fish the Clark Fork in Montana on a regular basis. Again these rivers need to have a minimum flow to protect these fisheries, wildlife habitat, water quality and aesthetics.

Having a lesser water right status for minimum flow rights should be corrected by efforts through the Water Resource Board (IWRB). If minimum streamflow laws are to have meaning to protect fish and wildlife values, water quality, and aesthetics these rights should not be subordinate to all other rights. I am asking the IWRB to work toward changing this portion of the law so water rights today will be secure in the future.

I wish to thank the IWRB for there work in protecting the public interest in instream uses of water and continue by make minimum flow rights equal to other water right holders.

Sincerely,



Earl M. Frizzell
Conservation Chairman
North Idaho Fly Casters
2205 Monte Vista
Coeur d'Alene, ID 83814

MICROFILMED

JUN 12 1998

n. 7/14/97

To: ID. Water Resource Board
attn: Glen Saxton (fax 208-327-7866)

Thanks for the opportunity to submit written testimony regarding minimum streamflow requests, which in itself lends credibility to IWRB efforts to protect the overall public interest regarding this important topic before us today. When I lived in St. Maries in the 80's, I started kayaking. Along the St. Joe River, in late afternoons, I saw alot of wildlife coming down to get water, while I quietly floated by. My comments reflect two key river quality issues to me, the outstanding recreational local kayaking and protecting wildlife qualities in the Panhandle area.

The St. Joe River is part of the Wild and Scenic River System, and has national recognition already. Surge appropriations of M.S.F. to include an additional 1000 cfs from April 15 - Jun. 15, plus the 941 cfs from 11/1 - 7/31 and 470 cfs from 8/1 - 10/31. Trout fishing is another important consideration for this particular River. These flows would provide minimum flow necessary for safe boating and protection of wildlife habitat.

The St. Maries kayak river run was the first section of class III paddling I did when there was still snow on the ground. Since it's particularly rocky and such an early run, Surge the IWRB to support proposed flows of 141 cfs from 12/1 - 7/31 and 65 cfs 8/1 - 11/30, while appropriating an additional 650 cfs 4/1 - 5/31 for the early season run.

The Clark Fork would be sustained as early as April with additional 10,000 cfs 4/15 - 7/15, while supporting proposed flows of 9,335 cfs year round starting at the Cabinet Gorge dam downstream into Ft. Pend Oreille.

Regarding this stretch, Surge IWRB to firm up its approach to set limits with WWP thru relicensing regulations to assure compliance with these streamflow requests!

Lastly, Pend Oreille River should be allocated year round to 10,655 cfs from Albeni Falls down to St. These rivers are accessible to me, so out of convenience I tend to be more familiar with them. Remember those flows do NOT necessarily mean OPTIMAL flows desired.

MICROFILMED

JUN 12 1998

1624 Fairmont Lp.

Dear Idaho Water Resource Board members, July 14, 1997

I am writing to encourage you to set appropriate minimum stream flows on all four of the North Idaho rivers being considered. There is ever increasing pressure on our water resources. If we do not act responsibly now while we have the chance then our few remaining healthy rivers will quickly loose there ability to stay healthy. The way we use water will have to change soon.

Please don't back down on the 9,335 cubic feet per second flow request for the Clarks Fork River, with an additional 10000 cfs 4/15- 7/15. WWP should be operating the Cabinet Gorge Damn by Water Board standards with the needs of the river in mind ahead of any company priorities. I enjoy canoeing the Clark Fork Delta which is a flourishing nesting ground for all local duck species. They need your vote to keep those riparian zones in tact.

I have Kayaked and canoed many sections of the St. Joe and the St. Maries rivers. The spring runs are typically early and short. I urge you to support proposed flows; 941 cfs 11/ 1 - 7-31 and 470 cfs from 8/1- 10/31 with an additional 1000 cfs from 4/15-7/15 on the St. Joe. The St. Maries River needs supported flows of 141 cfs from 12/1-7/31 and 65 cfs from 8/1- 11/30, with an additional 650 cfs from 4/1-5/31. Any diversion of these waters would have a big impact on the rivers health and it's recreational viability. The bull trout are already in serious trouble. Other fish species will be threatened if we don't shut the door on water resource abuse.

The proposed streamflows for the Pend Oreille River should be 10655 cfs year round from Albeni Falls Dam downstream to the Id. border . I realize these flows could be improved upon for my particular interest, but I would be satisfied with these MINIMUM flow levels to sustain quality values. Thank you for taking the time to consider my input. I truly believe that healthy water sheds are priceless and therefore should not be for sale.

Sincerely,



Patrick T. Behm

1624 Fairmont Lp.

Coeur d'Alene, ID 83814

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JUN 12 1998



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JUL 08 1997

Department of Water Resources

IDAHO FISH & GAME

600 South Walnut / Box 25
Boise, Idaho 83707-0025

Philip E. Batt, Governor
Stephen P. Mealey, Director

July 7, 1997

Mr. Glen Saxton
Idaho Department of Water Resources
1301 North Orchard Street
Boise, ID 83706

RE: Notice of Appearance for instream flow hearings on the Clark Fork, Pend Oreille,
St. Maries, St. Joe rivers

Dear Mr. Saxton:

The Department of Fish and Game (Department) requests permission to appear as a formal witness at the above referenced hearings scheduled for July 16th and 17th, in Sandpoint and St. Maries, ID. Department personnel will present testimony in favor of the four proposed instream flow applications. Thank you for consideration of our request.

Sincerely,

Cindy Robertson

Cindy Robertson
Staff Fishery Biologist

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JUN 12 1998

Keeping Idaho's Wildlife Heritage
An Equal Opportunity Employer



June 30, 1997

Glen Saxton
Hearing Officer
Idaho Dept of Water Resources
1301 N. Orchard
Boise, ID 83706

RECEIVED

JUL 02 1997

Department of Water Resources

Dear Mr. Saxton:

This letter serves as notice of my intent to formally appear at the minimum streamflow hearings scheduled in North Idaho at Sandpoint on July 16 and St. Maries on July 17. I will be representing Idaho Rivers United and our 1600 members.

Thank you.

Sincerely,

Marti L. Bridges

Marti L. Bridges
Water Policy Director

EXECUTIVE DIRECTOR

Wendy L. Wilson
Boise

BOARD OF DIRECTORS

Gail Ater
Gooding

Diane Bilyeu
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Bill Davidson
Pocatello

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Dr. Charles Pezesnki
Troy

Gerald Sehlke
Idaho Falls

Tom Stuart

Wlodek Szczepanowski

Curtis Webb
Twin Falls

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JUN 12 1998



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. BOX 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

June 27, 1997

Mr. Terrance W. Cundy, Ph.D.
Resource Hydrologist
Potlatch Corporation
P.O. Box 1016
Lewiston, ID 83501-1016

Dear Mr. Cundy:

Your letter to the Director and Mr. Saxton was referred to me. Enclosed with this letter are copies of the water right applications, hydrographs and a copy of the 1975 Tennant Report. The requested flows are based on the Tennant Report with the high flows being 40% of the average annual flow. The low flows are the average monthly flow of the lowest month.

If you have any questions about the applications prior to the July 17 hearing, please call me. I plan to be at the hearing.

Sincerely,

A handwritten signature in cursive script that reads "John Beal".

John Beal, Manager
Water Planning Section

enc

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JUN 12 1998

Potlatch

Potlatch Corporation

P.O. Box 1016
Lewiston, Idaho 83501-1016
Telephone (208) 799-0123

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JUN 25 1997

Department of Water Resources

June 23, 1997

Director of IDWR
Statehouse Mail
Boise, ID 83720
Attn: L. Glen Saxton

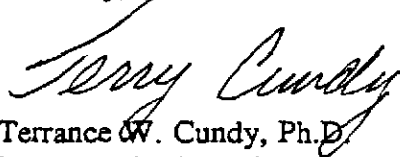
Dear Mr. Saxton,

I recently received a copy of the IDWR notice for in-stream flow claims proposed by IDWR on the St. Maries and St. Joe Rivers in northern Idaho (96-08718, 96-08730).

Will you please send me any information on the basis of these claims? For example, a description (or copy) of the methods and data used to arrive at the flow claims.

Thank you for your time and consideration.

Sincerely,



Terrance W. Cundy, Ph.D.
Resource Hydrologist

208-799-4135
FAX: 208-799-1707
email: twcundy@lewiston.com

MICROFILMED

JUN 12 1998



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

June 11, 1997

**RE: APPLICATIONS FOR MINIMUM STREAM FLOW NOS. 96-08730, 96-08718,
91-07122 and 92-07200**

Dear Interested Parties:

Enclosed is a copy of a legal notice, which announces planned public hearings in connection with the above referenced applications to establish minimum stream flows. The information contained in the notice should be clear and will provide sufficient information for you. Copies of the applications are on file and available for review at the department's Northern Regional Office in Coeur d'Alene, and at the state office in Boise.

You may contact either office if you have questions or require additional information. My direct phone number in Boise is (208) 327-7955. You can contact the Northern Regional Office at (208) 769-1450.

Sincerely,

L. GLEN SAXTON, Chief
Water Allocation Bureau

C: See attached distribution list

MICROFILMED

JUN 12 1998

CLARENCE PARR
IWRB
1009 S RIVER DR
HEYBURN ID 83336

ERVAL RAINEY
IWRB
1319 MATHISON DR
SANDPOINT ID 83864

BOB GRAHAM
IWRB
6808 MARX CT
BONNERS FERRY ID 83805

TERRY T UHLING
IWRB
JR SIMPLOT CO
999 MAIN ST STE 1300
BOISE ID 83707

SEN SHAWN KEOUGH
523 HUMMINGBIRD
SANDPOINT ID 83864

REP JOHN L CAMPBELL
1509 CEDAR ST
SANDPOINT ID 83864

REP JIM STOICHEFF
615 LAKEVIEW
SANDPOINT ID 83864

SEN CLYDE BOATRIGHT
N 17520 WRANGLER RD
RATHDRUM ID 83858

REP HILDE KELLOGG
PO BOX 1479
POST FALLS ID 83854-1479

REP WAYNE R MEYER
E 100 LANCASTER
RATHDRUM ID 83858

SEN GORDON F CROW
10282 HILLVIEW DR
HAYDEN ID 83835-9236

REP JIM CLARK
8665 N CLARKVIEW PL
HAYDEN ID 83835

REP JEFF ALLTUS
2465 UPPER HAYDEN LAKE RD
HAYDEN ID 83835

SEN JACK RIGGS
801 S 11TH
COEUR D ALENE ID 83814

REP LARRY WATSON
59988 SILVER VALLEY RD
WALLACE ID 83874

REP DON PISCHNER
PO BOX 7
COEUR D ALENE ID 83816

SEN LAIRD NOH
3442 ADDISON AVE E
KIMBERLY ID 83341

REP GOLDEN C LINFORD
2120 W 4200 S
REXBURG ID 83440

KOOTENAI TRIBE OF IDAHO
PO BOX 1269
BONNERS FERRY ID 83805

COEUR D ALENE TRIBE OF IDAHO
PO BOX 408
PLUMMER ID 83851

MICROFILMED

JUN 12 1988

NOTICE OF HEARINGS FOR MINIMUM STREAM FLOW APPLICATIONS

Notice is hereby given that on June 15, 1992, the Idaho Water Resource Board filed four (4) applications for permit with the Department of Water Resources (IDWR) to preserve minimum streamflows for the protection of fish and wildlife habitat, aquatic life and recreational values as follows:

Application No. 96-08718

Source: Clark Fork River tributary to Pend Oreille Lake
Reach: 8.4 miles beginning at Cabinet Gorge Dam in the NWSE Section 27, T55N, R3E, B.M. downstream to Lake Pend Oreille in SW1/4 Section 3, T55N, R2E, B.M.
Rate of flow: 9,335 cubic feet per second (cfs) year-round

Application No. 96-08730

Source: Pend Oreille River tributary to Columbia River
Reach: 2.4 miles beginning at Albeni Falls Dam in the NWNW Section 29, T56N, R5W, B.M. downstream to the state line on the west side of Sections 13 and 24, T56N, R6W, B.M.
Rate of flow: 10,655 cfs year-round

Application No. 91-07122

Source: St. Joe River tributary to Coeur d'Alene Lake
Reach: 36 miles beginning at a point in NENENW Sec. 13, T45N, R3E, B.M. at the confluence of the St. Joe River with Marble Creek and ending at the confluence of St. Joe River with the St. Maries River in SENESW Sec. 23, T46N, R2W, B.M.
Rate of flow: 941 cfs from Nov. 1 to July 31, and
470 cfs from August 1 to October 31

Application No. 92-07200

Source: St. Maries River tributary to St. Joe River
Reach: 26 miles beginning at a point in the SWSWNE Section 6, T42N, R2E, B.M. at the confluence of the West and Middle Forks of the St. Maries River downstream to the confluence with John Creek in the SENENW Section 33, T45N, R2W, B.M.
Rate of flow: 141 cfs from December 1 to July 31
65 cfs from August 1 to November 30

MICROFILMED

JUN 12 1998

IDWR will hold public hearings as required in Section 42-1503, Idaho Code, for the purpose of receiving evidence and testimony in regard to the applications as follows:

Applications: 96-08718 and 96-08730
Date and time: July 16, 1997, at 10:00 a.m.
Place: NRCS Federal Building
1500 Hwy 2
Sandpoint, Idaho

Applications: 91-07122 and 92-07200
Date and time: July 17, 1997 at 10:00 a.m.
Place: Washington Water Power
528 College Ave.
St. Maries, Idaho

Any party who wishes to formally appear in the hearings for the purpose of presenting evidence and testimony or cross-examining witnesses should file a notice of appearance with the Director of IDWR, Statehouse Mail, Boise, Idaho 83720, Attn: L. Glen Saxton, five (5) days prior to the hearing. Other parties may informally present their views and comments without filing a notice of appearance. Informal written views and comments may also be submitted to IDWR prior to the hearing.

The hearings 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 IDWR at least (10) days prior to the hearing. The hearing will be conducted by L. Glen Saxton, IDWR, Statehouse Mail, Boise, ID 83720, telephone (208)327-7900

If issued, these permits will be subject to all prior water rights.

Karl J. Dreher
Director, IDWR

MICROFILMED

JUN 12 1998

5/20/93 - Sandpoint (6)
5/24/93 - Coaldale (7)
5/25/93 - Moscow (8)

7/20/93 - St. Maries (5)

7/13/93 = Kernal (6)
7/14/93 - Lewiston (1)

North Idaho
Min 5 Floors.

Water Board
Public Meeting.

MICROFILMED
JUN 12 1998

AFFIDAVIT OF PUBLICATION

State of Idaho

ss.

County of Bonner, Linda Ramsey
being duly sworn, says that he is the General Manager
the PRIEST RIVER TIMES, a weekly newspaper printed and
published at Priest River, Bonner County, Idaho, and has been con-
tinuously and uninterruptedly published in said County during a period
of 78 consecutive weeks prior to the first publication of the annexed
notice for publication, is a newspaper of general circulation made up of
at least eight pages of at least six columns each, printed from type set-
ting or stereotyped forms of at least nineteen and three-fourths inches
width, has at least 1250 bona fide subscribers living within said Bonner
County, and is published at regular weekly intervals. That the annexed
is a true copy of the notice for publication in the case of

#1437 - Public Information Meeting

as it was published in the regular and entire issue of the
said paper for a period of 2 consecutive weeks,
commencing on 12th day of May, 1993
and ending on the 19th day of May, 1993
and that said notice was published in said newspaper.

On this 3rd day of June in the year
of 1993, before me, a Notary Public, personally
appeared _____,

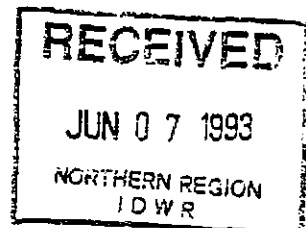
known or identified to me to be the person whose name
subscribed to the within instrument, and being by me first
duly sworn, declared that the statements therein are true,
and acknowledged to me that he executed the same.

Linda Ramsey
Notary Public for Idaho

Residing at Priest River

My commission expires: 12/22/98

MEETING
MINIMUM STREAMFLOWS
The Idaho Water Resource Board
will hold public information meet-
ings on May 24 in the Community
Room at the Kootenai County Exten-
sion Office, 106 E. Dalton Ave.
Coeur d'Alene; and on May 25 in the
Gold room at the Student Union
Building, University of Idaho,
Moscow. Both meetings will begin at
7:00 p.m.
These are part of a series of informa-
tion meetings to be held in north
Idaho addressing minimum stream-
flow applications filed by the Water
Board on the Kootenai, Moyie,
Priest, Pack, Pend Oreille, Clark
Fork, Spokane, Coeur d'Alene, St.
Joe, St. Maries, Clearwater, Selway,
and Lochsa Rivers.
Individuals who may need special
assistance due to a disability should
contact Frank Sherman at the Idaho
Department of Water Resources,
Statehouse, Boise 83720 at least five
days in advance so arrangements
can be made.
#1437 PRT May 12, 19, 1993



MICROFILMED

JUN 12 1998

AFFIDAVIT OF PUBLICATION

State of Idaho

ss.

County of Bonner, Sharon Bennett
 being duly sworn, says that he is the Advertising Rep.
 of the PRIEST RIVER TIMES, a weekly newspaper printed and
 published at Priest River, Bonner County, Idaho, and has been con-
 tinuously and uninterruptedly published in said County during a period
 of 78 consecutive weeks prior to the first publication of the annexed
 notice for publication, is a newspaper of general circulation made up of
 at least eight pages of at least six columns each, printed from typemat-
 er or stereotyped forms of at least nineteen and three-fourths inches
 in width, has at least 1250 bona fide subscribers living within said Bonner
 County, and is published at regular weekly intervals. That the annexed
 is a true copy of the notice for publication in the case of

#1434 - Public Information Meeting

as it was published in the regular and entire issue of the
 said paper for a period of 2 consecutive weeks,
 commencing on 5th day of May, 1993
 and ending on the 12th day of May, 1993
 and that said notice was published in said newspaper.

On this 25th day of May in the year
 of 1993, before me, a Notary Public, personally
 appeared Sharon Bennett,

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.

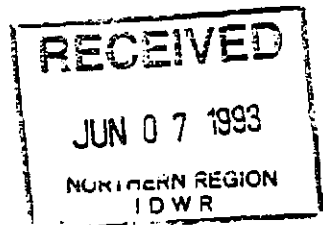
Notary Public for Idaho

Residing at _____

My commission expires: _____

NOTICE OF
 IDAHO WATER RESOURCE
 BOARD PUBLIC
 INFORMATION MEETING
 The Idaho Water Resource Board
 will hold a public information meet-
 ing at 7:30 p.m. at the Edgewater
 Inn, 56 Bridge St., Sandpoint on May
 20, 1993.

This will be the first in a series of
 public information meetings in the
 region addressing minimum stream-
 flow applications filed by the Water
 Board on streams in northern Idaho.
 Of particular interest to residents of
 the Sandpoint area are minimum
 flow applications filed on the Pend
 Oreille, Pack, Clark Fork, Priest,
 Movie, and Kootenai rivers.
 Individuals who may need special
 assistance due to a disability should
 contact Frank Sherman at the Idaho
 Department of Water Resources,
 Statehouse, Boise 83720 at least five
 days in advance so arrangements
 can be made.
 #1434 PRT May 5, 12, 1993



MICROFILMED

JUN 12 1998

Affidavit of Publication

STATE OF IDAHO

County of Benewah, ss.

Cynthia Ann Hammes, being first duly sworn on oath, deposes and says that she is vice president of The Corporation, owner of the St. Maries Gazette Record, a weekly newspaper printed and published at St. Maries, Benewah County, State of Idaho; the St. Maries Gazette Record is a newspaper having general circulation in Benewah County, State of Idaho, and has been continuously and uninterruptedly published in Benewah County, State of Idaho, during a period of more than seventy-eight consecutive weeks prior to the first publication of the notice of advertisement hereon.

That the notice, of which the one hereto attached is a true copy, was published in said newspaper for a period of 2 issues, the first publication being on the 12th day of May, 1993 and the last on the 14th day of May, 1993.

That said newspaper was regularly distributed to its subscribers during the time of the same period; that said notice was published in the regular and entire issue of said paper.

Dated this 28th day of May, 1993
Cynthia Ann Hammes

STATE OF IDAHO
COUNTY OF BENEWAH }

On this 28th day of May, in the year of 1993, before me, a Notary Public, personally appeared Cynthia Ann Hammes, 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 she executed the same.

Sharon D. Blackburn
Notary Public for Idaho
Residing at St. Maries, Id.
My commission expires: Nov 4, 1998

Idaho Water Resource
board sets May 24 meet

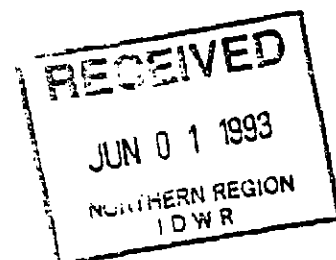
PUBLIC INFORMATION
MEETING

MINIMUM STREAMFLOWS

The Idaho Water Resource Board will hold public information meetings on May 24 in the Community Room at Kootenai County Extension Office, 106 E. Dalton Ave., Coeur d'Alene; and on May 25 in the Gold room at the Student Union Building, University of Idaho, Moscow. Both meetings will begin at 7:00 p.m.

These are part of a series of information meetings to be held in north Idaho addressing minimum streamflow applications filed by the Water Board on the Kootenai, Moyie, Priest, Pack, Pend Oreille, Clark Fork, Spokane, Coeur d'Alene, St. Joe, St. Maries, Clearwater, Selway and Lochsa Rivers.

Individuals who may need special assistance due to a disability should contact Frank Sherman at the Idaho Department of Water Resources, Statehouse, Boise 83720 at least five days in advance so arrangements can be made.
No. 2078 — May 12-19.



MICROFILMED

JUN 12 1998

AFFIDAVIT OF PUBLICATION

State of Idaho

ss.

County of Boundary,

BOB MILLER being first duly sworn on oath
deposes and says that he/she is MANAGER
of the Bonners Ferry Herald, a newspaper printed and
published at Bonners Ferry, Boundary County, Idaho; that
the said newspaper has been continuously and
uninterruptedly published in said Boundary County during
a period of 12 months prior to the first publication of the
hereto attached notice of publication in the case of:

LEGAL# 2476

as it was published in the regular and entire issue of the
said paper for a period of 2 consecutive weeks,
commencing on 5 day of May, 1993
and ending on the 12 day of May, 1993
and that said notice was published in said newspaper.

Dated: 5/13/93

[Signature]
Subscribed and sworn to before me this 14 day
of May, 1993

Kenneth H. Haworth
Notary Public for Idaho

Residing at BONNERS FERRY

My Commission expires: 11/08/97

**NOTICE OF IDAHO
WATER RESOURCE BOARD
PUBLIC INFORMATION
MEETING**

The Idaho Water Resource Board
will hold a public information meet-
ing at 7:30 p.m. at the Edgewater
Inn, 56 Bridge St., Sandpoint on May
20, 1993.

This will be the first in a series of
public information meetings in the
region addressing minimum stream-
flow applications filed by the Water
Board on streams in northern Idaho.

Of particular interest to residents of
the Sandpoint area are minimum
flow applications filed on the Pend
Oreille, Pack, Clark Fork, Priest,
Moyie, and Kootenai rivers.

Individuals who may need special
assistance due to a disability should
contact Frank Sherman at the Idaho
Department of Water Resources,
Statehouse, Boise 83720 at least five
days in advance so arrangements
can be made.

BFH#2476 May 5, 12, 1993

RECEIVED

JUN 04 1993

**NORTHERN REGION
IDWR**

MICROFILMED

JUN 12 1996

AFFIDAVIT OF PUBLICATION

State of Idaho

ss.

County of Bonner,

Tuke Burns being first duly sworn on oath
deposes and says that he/she is Bookkeeper
of the Bonner County Daily Bee, a newspaper printed and
published at Sandpoint, Bonner County, Idaho; that the
said newspaper has been continuously and uninterruptedly
published in said Bonner County during a period of 12
months prior to the first publication of the hereto attached
notice of publication in the case of:

Legal Notice

as it was published in the regular and entire issue of the
said paper for a period of 2 consecutive weeks,
commencing on 6 day of May, 1993
and ending on the 13 day of May, 1993
and that said notice was published in said newspaper.

On this 14 day of May in the year
of 1993, before me, a Notary Public, personally
appeared Tuke Burns,
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.

Karel Mueller
Notary Public for Idaho

Residing at Sandpoint

My commission expires: 5-3-99

NOTICE OF IDAHO WATER RESOURCE BOARD PUBLIC INFORMATION MEETING
The Idaho Water Resource Board will hold a public information meeting on May 20, 1993, at 7:30 p.m. at the Edgewater Inn, 56 Bridge St., Sandpoint, Idaho. The meeting will be the first in a series of public information meetings in the region addressing minimum stream flow applications filed by the Water Board on streams in northern Idaho. Of particular interest to residents of the Sandpoint area are minimum flow applications filed on the Pent Oreille, Pack, Clark Fork, Priest, Moyie, and Kootenai rivers. Individuals who may need special assistance due to a disability should contact Frank Sherman, Idaho Department of Water Resources, Statehouse, Boise 83720 at least five days in advance so arrangements can be made. SNW5393 May 6, 13, 1993

MICROFILMED
JUN 12 1998

5292

TRIBUNE PUBLISHING COMPANY, INC.
The Lewiston Morning Tribune
505 C St., P.O. Box 957
Lewiston, Idaho 83501
(208) 743-9411

Date 05-10-93 INVOICE No. 000309509

Account No. 284770 SAMPLE

Description 69609PUBLI

Times 1 Lines 20

Tab Lines

**LEGAL ADVERTISING
INVOICE**

SOLD TO:

WATER RESOURCES
1301 N. ORCHARD ST.
BOISE
-10 83720

\$ 31.50

NOTICE: This is an invoice of Purchase made by you. Statement will be rendered the first of the month.
Please Retain This Invoice as Your Statement Will Refer To Invoice by No. Only.

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO, ss.
County of Nez Perce

**PUBLIC INFORMATION MEETING
MINIMUM STREAMFLOWS**

The Idaho Water Resource Board will hold public information meetings on May 24 in the Community Room at the Kootenai County Extension Office, 106 E. Dalton Ave., Coeur d'Alene and on May 25 in the Gold room at the Student Union Building, University of Idaho, Moscow. Both meetings will begin at 7:00 p.m.

These are part of a series of information meetings to be held in north Idaho addressing minimum streamflow applications filed by the Water Board on the Kootenai, Moyie, Priest, Pack, Pend Oreille, Clark Fork, Spokane, Coeur d'Alene, St. Joe, St. Maries, Clearwater, Selway, and Lochsa Rivers.

Individuals who may need special assistance due to a disability should contact Frank Sherman at the Idaho Department of Water Resources, Statehouse, Boise 83720 at least five days in advance so arrangements can be made.

Karen J. Lewis being duly sworn, deposes and says, I am the Legal Clerk of the Tribune Publishing Company, a corporation organized and existing under and by virtue of the laws of the State of Idaho, publishers of the LEWISTON MORNING TRIBUNE, a newspaper of general circulation published at Lewiston, Nez Perce County, Idaho; That the said Lewiston Morning Tribune is an established paper and has been published regularly and issued regularly at least once a day for more than 21 consecutive years next immediately preceding the first publication of this notice, and has been so published uninterrupted for said period; that the

PUBLIC INFORMATION MEETING attached hereto and which is made a part of this affidavit was published in the said Lewiston Morning Tribune, 2 time(s). Publication beginning on 051393 or once a WEEK for 2 consecutive WEEKS, the first publication thereof being on the 051393 and the last publication thereof being on the 052093, and said PUBLIC INFORMATION MEETING

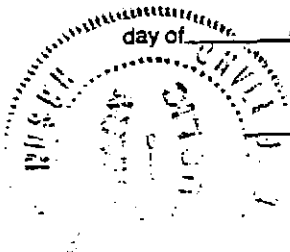
was so published in the regular and entire issue of said newspaper and not in a supplement thereof and was so published in every issue and number of the said paper, during the period and times of publication as set forth above.

Karen J. Lewis

SUBSCRIBED AND SWORN BEFORE ME THIS THE 20 day of MAY 1993

MICROFILMED

JUN 12 1998



Ray Reed
Notary Public in and for the State of Idaho
residing at Lewiston, therein

RECEIVED

MAY 26 1993

Affidavit of Publication

STATE OF IDAHO
County of Latah

ss.

Lorraine Hudson
Legal Clerk

being first duly sworn, on oath,
deposes and says:

That she is the printer of
Moscow-Pullman Daily News, a
newspaper of general circulation,
printed and published daily except
Sunday at Moscow, Latah County,
Idaho, in compliance with Sections
60-106, 60-107, and 60-108 of the
Idaho Code and the amendments
thereto; that the notice of which the
annexed is a full, true and correct
printed copy was published in the
regular and entire issues of said
newspaper and not in a supplement
thereto, upon the following dates:

May 13, 20,
1993

the same being the dates designated
for the publication of said notice.

On this 24 day of May
in the year of 1993, before me, a Notary

Public, personally appeared

Lorraine Hudson

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.

Ann Marie Eble
Notary Public for Idaho

Residing at Moscow ID

My commission expires: 5/11/98

PUBLIC INFORMATION MEETING MINIMUM STREAMFLOWS

The Idaho Water Resource Board
will hold public information meet-
ings on May 24 in the Community
Room at the Kootenai County Exten-
sion Office, 106 E. Dalton Ave., Co-
eur d'Alene; and on May 25 in the
Gold room at the Student Union
Building, University of Idaho, Mos-
cow. Both meetings will begin at
7:00 p.m.

These are part of a series of infor-
mation meetings to be held in north
Idaho addressing minimum stream-
flow applications filed by the Water
Board on the Kootenai, Moyie,
Priest, Pack, Pend Oreille, Clark
Fork, Spokane, Coeur d'Alene, St.
Joe, St. Maries, Clearwater, Selway,
and Lochsa Rivers.

Individuals who may need special
assistance due to a disability should
contact Frank Sherman at the Idaho
Department of Water Resources,
Statehouse, Boise 83720 at least five
days in advance so arrangements
can be made.

May 13, 20, 1993

MICROFILMED

JUN 12 1998

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO, }
County of Kootenai, } ss.

Keri Alexander being first duly sworn
upon oath deposes and says:

1. I am now and at all times hereinafter mentioned was a citizen of the United States, resident of the State of Idaho, over the age of twenty-one years and not a party of the above entitled action.

2. I am now and at all times hereinafter mentioned was the printer (principal clerk) of the "Coeur d'Alene Press," a newspaper printed and published daily except Sunday in Coeur d'Alene, Kootenai County, Idaho, and having a general circulation in said county.

3. The legal notice

of which the annexed is a printed copy, was published in the regular Thurs.
issue of said newspaper for 2 consecutive weeks
commencing on the 13th day of May, 1993, and
ending on the 20th day of May, 1993, and such
publication was made as often during said period as said daily
newspaper was regularly issued.

4. That said newspaper has been continuously and uninterruptedly published in said Kootenai County, during a period of more than seventy-eight consecutive weeks immediately prior to the first publication of said notice.

Keri Alexander

Subscribed and sworn to before me this 20th day of May,
1993

Roserta Manley
Notary Public for the State of Idaho,
residing at Coeur d'Alene, Idaho.

MICROFILMED

JUN 12 1998

ROBERTA MANLEY 9-5-99
My commission expires

PUBLIC INFORMATION MEETING MINIMUM STREAMFLOWS

The Idaho Water Resource Board will hold public information meetings on May 24 in the Community Room at the Kootenai County Extension Office, 106 E. Dalton Ave., Coeur d'Alene; and on May 25 in the Gold Room at the Student Union Building, University of Idaho, Moscow. Both meetings will begin at 7:00 p.m.

These are part of a series of information meetings to be held in north Idaho addressing minimum streamflow applications filed by the Water Board on the Kootenai, Moyie, Priest, Pack, Pend Oreille, Clark Fork, Spokane, Coeur d'Alene, St. Joe, St. Maries, Clearwater, Selway, and Lochsa Rivers.

Individuals who may need special assistance due to a disability should contact Frank Sherman at the Idaho Department of Water Resources, Statehouse, Boise 83720 at least five days in advance so arrangements can be made.

Legal 329
May 13, 20, 1993

RECEIVED

MAY 26 1993

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO, }
County of Kootenai, } ss.

Keri Alexander

being first duly sworn

upon oath deposes and says:

1. I am now and at all times hereinafter mentioned was a citizen of the United States, resident of the State of Idaho, over the age of twenty-one years and not a party of the above entitled action.

2. I am now and at all times hereinafter mentioned was the printer (principal clerk) of the "Coeur d'Alene Press," a newspaper printed and published daily except Sunday in Coeur d'Alene, Kootenai County, Idaho, and having a general circulation in said county.

3. The *legal notice*

of which the annexed is a printed copy, was published in the regular *Thurs.* issue of said newspaper for *2* consecutive *weeks* commencing on the *6th* day of *May*, 19*93*, and ending on the *13th* day of *May*, 19*93*, and such publication was made as often during said period as said *daily* newspaper was regularly issued.

4. That said newspaper has been continuously and uninterruptedly published in said Kootenai County, during a period of more than seventy-eight consecutive weeks immediately prior to the first publication of said notice.

Keri Alexander

Subscribed and sworn to before me this *13th* day of *May*, 19*93*.

Roberta Stanley
Notary Public for the State of Idaho,
residing at Coeur d'Alene, Idaho.

NOTARY PUBLIC *2-5-99*

NOTICE OF IDAHO WATER RESOURCE BOARD PUBLIC INFORMATION MEETING

The Idaho Water Resource Board will hold a public information meeting at 7:30 p.m. at the Edgewater Inn, 56 Bridge St., Sandpoint on May 20, 1993.

This will be the first in a series of public information meetings in the region addressing minimum streamflow applications filed by the Water Board on streams in northern Idaho. Of particular interest to residents of the Sandpoint area are minimum flow applications filed on the Pend Oreille, Pack, Clark Fork, Priest, Moyie, and Kootenai rivers.

Individuals who may need special assistance due to a disability should contact Frank Sherman at the Idaho Department of Water Resources, Statehouse, Boise 83720 at least five days in advance so arrangements can be made.

Legal 278

May 6, 1993

RECEIVED

MAY 17 1993

MICROFILMED

JUN 12 1998

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO)
) ss.
County of Clearwater)

Bonnie M. Bessent

being first duly sworn, on oath, deposes and says:

That I am and at all times herein mentioned have been a citizen of the United States and of the State of Idaho, over 21 years of age, and that I am not a party to nor interested in the above entitled proceeding; that I am and at all times herein mentioned have been the Editor, Foreman, of THE CLEARWATER TRIBUNE; that said Clearwater Tribune is a newspaper of general circulation, printed and published weekly at Orofino, in the County of Clearwater and State of Idaho; that the Clearwater Tribune has been continuously and uninterruptedly published in Clearwater County, Idaho, during the period of seventy-eight consecutive weeks prior to the first publication of attached copy of:

Public Information Meeting

That said Minimum Steamflow

of which the annexed is a full, true and correct printed copy, was published in the regular and entire issue of said newspaper, and not in any supplement thereof, for a full period of one consecutive issues commencing on the 8th day of July 1993 and ending on the 8th day of July 1993

Bonnie M. Bessent

STATE OF IDAHO)
)
COUNTY OF CLEARWATER)

On this 15th day of July in the year of 1993, before me, a Notary Public, personally appeared

Bonnie M. Bessent

known or identified to me to be the person whose name subscribed to the within instrument, and being by me duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same.

Janice A. Finke

Notary Public for Idaho
Resident at Orofino, Idaho
My commission expires:

PUBLIC INFORMATION MEETING

MINIMUM STREAMFLOWS

The Idaho Water Resources Board will hold public information meetings on July 13 in the library of the Kamiah High School, 711 9th Street, Kamiah; on July 14 in the first floor conference room of the State office building, 1118 F. Street, Lewiston; and on July 20 at the Benewah County Courthouse, St. Maries. All three meetings will begin at 7:00 p.m.

These are the final meetings of a series of information meetings being held in north Idaho addressing minimum streamflow applications filed by the Water Board on the Kootenai, Moyie, Priest, Pack, Pend Oreille, Clark Fork, Spokane, Coeur d'Alene, St. Joe, St. Maries, Clearwater, Selway, and Lochsa Rivers.

Individuals who may need special assistance due to a disability should contact John Beal at the Idaho Department of Water Resources, Statehouse, Boise 83720 at least five days in advance so arrangements can be made.

7-8, 93c

MICROFILMED

JUN 12 1998

NEWS RELEASE

Statehouse Mail, Boise, Idaho 83720

Release 93-52

MINIMUM STREAM FLOWS PROPOSED FOR 13 NORTH IDAHO RIVERS

For Immediate Release
Boise, Idaho - May 6, 1993

For More Information:
Dick Larsen, 327-7933

The Idaho Water Resource Board wants to guarantee minimum stream flows in sections of 13 North Idaho rivers and they want to know what residents think about the idea.

The Board has set a series of special public information meetings in the last half of May to outline the proposals and hear from the public.

The Board has filed applications for minimum stream flows in sections of the Kootenai, Moyie, Priest, Pack, Pend Oreille, Clark Fork, Spokane, Coeur d'Alene, St. Joe, St. Maries, Clearwater, Selway, and Lochsa rivers.

The Board feels minimum stream flows are necessary to preserve fisheries, recreation, and aesthetic values on the 13 rivers. If the Board decides to continue the approval process, the Idaho Department of Water Resources will schedule public hearings on the proposals later this year. Minimum stream flows also must be approved by the state legislature before they can go into effect.

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-more-more-

JUN 12 1993

Minimum Stream Flows - Page 2

The first public information meeting is set for May 20 at 7:30 at the Edgewater Inn in Sandpoint. A second meeting will be held May 24 at 7 p.m. in the Kootenai County Extension Office, 106 E. Dalton Ave, in Coeur d'Alene. A third meeting will be held May 25 at 7 p.m. in the Student Union Building on the University of Idaho campus in Moscow.

Minimum stream flows are ones in which water is not diverted and used but must remain in the river channel. Minimum stream flows apply to unappropriated water, i.e., water not used by an established water right. Existing prior water rights or permits with an earlier priority date must be satisfied before minimum stream flows are honored.

Individuals who want to attend the meeting and who may need special assistance due to a disability should contact Frank Sherman, Idaho Department of Water Resources in Boise, at least five days in advance so arrangements can be made. Sherman's phone number is 327-7985.

-30-30-30-

MICROFILMED

JUN 12 1988

Water Right Number - 92-07200

Prefix Translation:

WATER RIGHT

Old (D) Number -

*** C - CURRENT OWNER ***
IDAHO WATER RESOURCE BOARD

1 - STATEHOUSE
2 -
3 -

City- BOISE
Phone - 208-327-7910

State- ID Zip- 83720

Priority Date - +
06/15/1992

Region - +
18 NORTHERN

Stage - +
A - APPLICATION

Status - +

Source - +
ST MARIES RIVER

Tributary - +
ST JOE RIVER

Twn	Rng	Sec	Tract	Lot	Rflg	County	Point of Diversion	Stream Index (Blank if no Index Code)
42N	02E	6	SM SM NE		B	(79) SHOSHONE		
45N	02W	33	SE NE NW		E	(9) BENEWAH		

Code	Description	Period From	Period To	Water Use	Diversion Rate	Diversion Volume
34 -	MINIMUM INSTREAM FLOW	12/01	07/31		141.000	
34 -	MINIMUM INSTREAM FLOW	08/01	11/30		65.000	
Total Div. Rate - +		Total Div. Volume - +		Total Div. Capacity - +		
				141.000		

Twn	Rng	Sec	Tract	Lot	Acres	Place of Use	Description	County
Diversion Means -								
Non-Irrigation Use -								
Other Rights for Same Use -								

Remarks -
The affected reach is approximately 26 miles long.
Minimum instream flow use is for the protection of fish and wildlife habitat, aquatic life, and recreational values.
Instream flow downstream from the confluence of the West and Middle Forks of the St. Maries River to the confluence of John Creek.

Old Water Right Numbers -
No Old Water Right Numbers found.

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WATER RIGHT

- - Conditions of Approval - -
No Conditions of Approval found.

Decree Defendant - - - +

Decree Dat
00/00/0000

- - -Comments- -
No Comments Found

CPA

Water Rights Dates and Flags Area

Proof Due Date	-	00/00/0000	Field Exam Made	-	00/00/0000	Field Exam Fee	-
Approved/Denied	-	00/00/0000	Tested Date	-	00/00/0000	Swan Falls	-
Proof Made Date	-	00/00/0000	Hearing Date	-	00/00/0000	Temporary Right	-
Exam to S.O. Date	-	00/00/0000	Verified Date	-	00/00/0000	DLE/Carey Act	-
Order Show Cause	-	00/00/0000	Receipt Number	-		Water District	-
Licensed Date	-	00/00/0000	Appl Received	-	06/15/1992	Transfer/Amended	-
Decree Date	-	00/00/0000	Presumption Flag	-			-

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