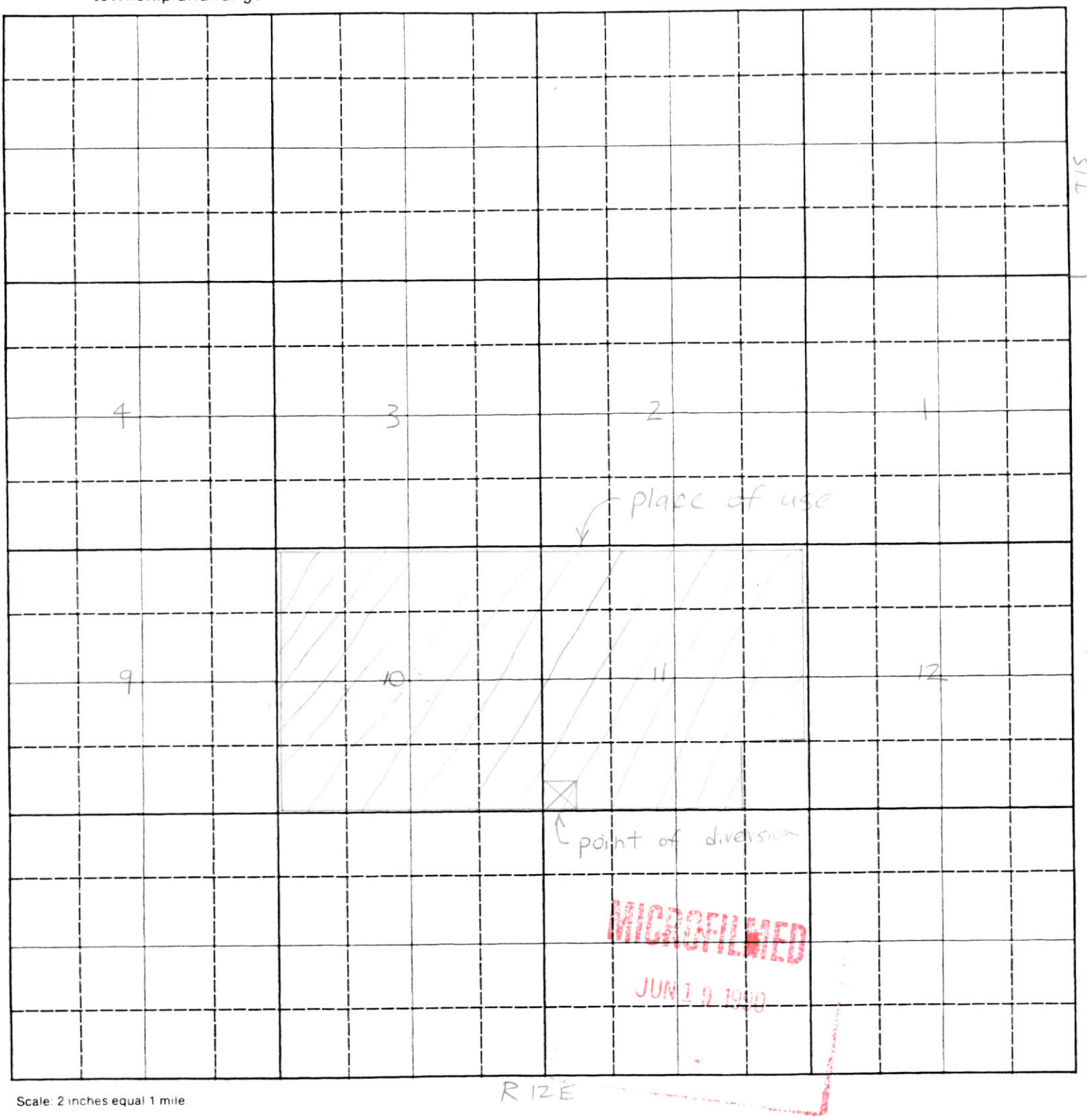
13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.

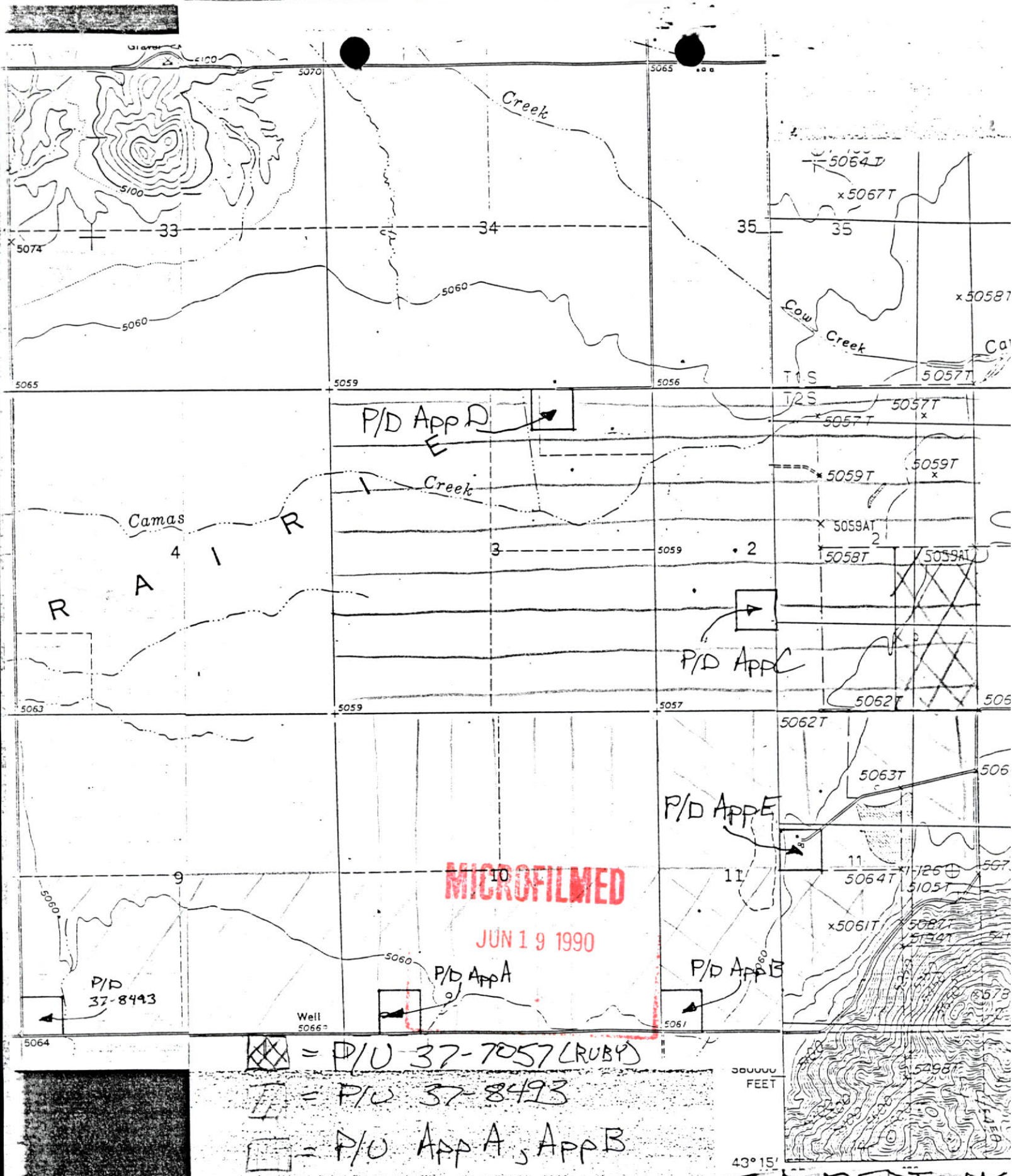


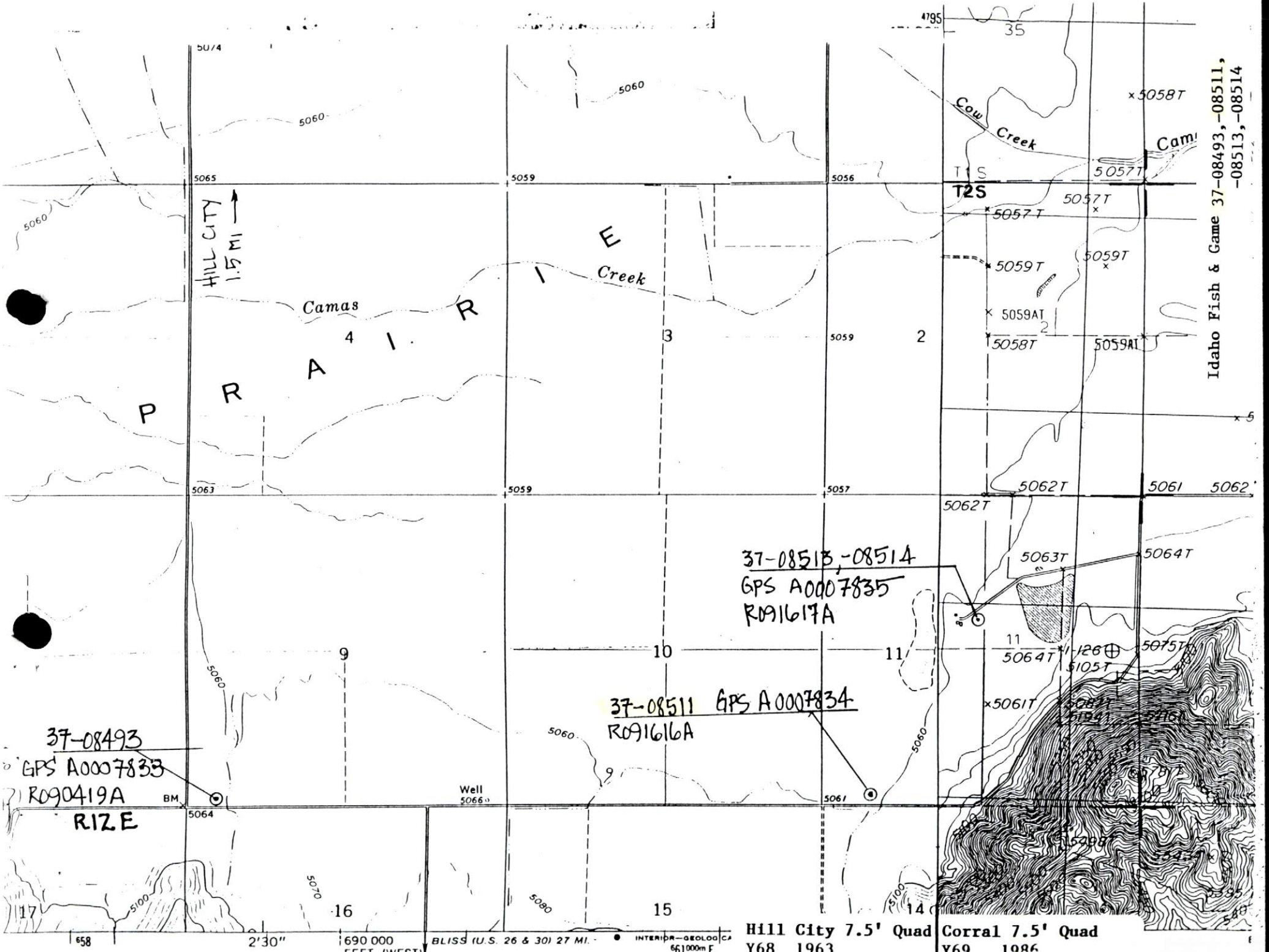
MICROFILMED
JUN 19 1990

Scale: 2 inches equal 1 mile

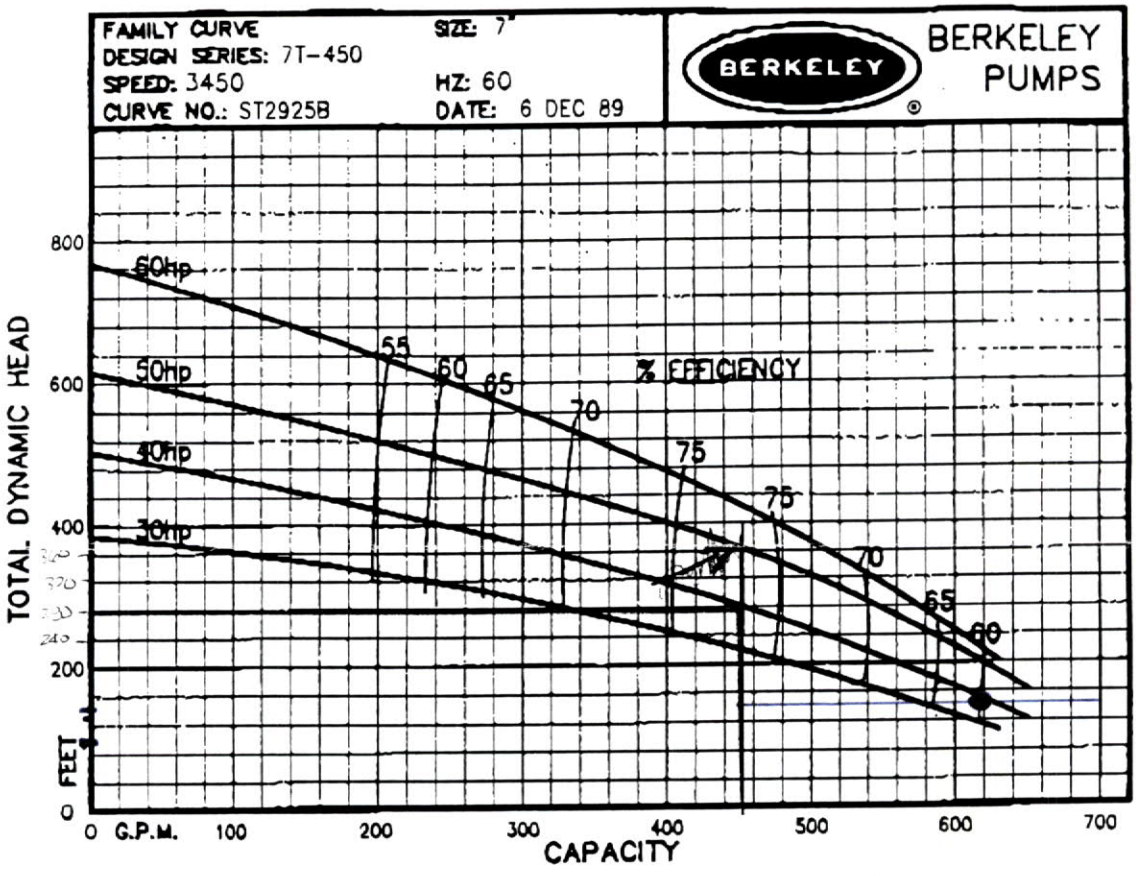
BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

(Applicant)


Creek
Camas Creek
Cow Creek
P/D App D
P/D App C
P/D App E
P/D App A
P/D App B
P/D 37-8493
Well
5064
5065
5059
5056
5063
5057
5062T
5063T
5064T
5061T
5059T
5058T
5057T
5064I
5067T
5074
5060
5100
T1S
T2S
33
34
35
3
2
9
10
11
4
R
A
I
R
E
MICROFILMED
JUN 19 1990
= P/U 37-7057 (RUBY)
= P/U 37-8493
= P/U App A, App B
= P/U App C, App D
= P/U App E
FEET
43° 15'
FOR DEPT US
IDF&G Application
Summary
37-08511


Idaho Fish & Game 37-08493,-08511, -08513,-08514
HILL CITY 1.5 mi
PRAIRIE
Camas Creek
Cow Creek
T1S
T2S
37-08513,-08514
GPS A0007835
R091617A
37-08511 GPS A0007834
R091616A
37-08493
GPS A0007833
R090419A
RIZE
BM 5064
Well 5066
5061
5060
5059
5057
5056
5065
5063
5062T
5064T
5063T
5061T
5059T
5058T
5057T
5059AT
5075T
5105T
5126
5100
5070
5080
35
4
3
2
9
10
11
16
15
14
17
2'30"
690 000 FEET (WEST)
BLISS (U.S. 26 & 30) 27 MI.
INTERIOR—GEOLOGICAL
Hill City 7.5' Quad
Y68 1963
Corral 7.5' Quad
Y69 1986

Submersible Turbine Model 7T-450



third well

SWSWSW 1/4 Sec 11

600 gpm = 1.33 cfs

TDH = LIFT + PSI(2.31)
= 20 + 60(2.31)
= 160'

Specifications

CURVE No. ST2925B

LIQUID END WEIGHTS

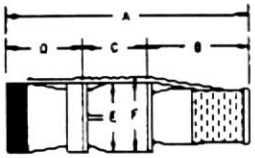
DESCRIPTION	WEIGHT LBS.	HP RATING	MOTOR FLANGE
ONE STAGE L.E.	59.3	30–60	6"
ONE STAGE L.E.			
ONE STAGE L.E.			
EACH ADDED STAGE	25.5	ALL	ALL

IMPELLER DATA

TYPE: ENCLOSED EYE AREA 8.19 Sq. In.
THRUST CONSTANT K 2.47 Lbs./Ft of HEAD.

HP	IMPELLER No.	STAGES	IMPELLER Dia.
60	M08288	8	5.38" @ 34° (4.31")
50	M01996	6	5.38" @ 20° (4.69")
40	M08290	5	5.38" @ 25° (4.58")
30	M08288	4	5.38" @ 34° (4.31")

OUTLINE DIMENSIONS



A– ONE STAGE LIQUID END LENGTH
B– SUCTION CONNECTION LENGTH
C– STAGE LENGTH
D– DISCHARGE CONNECTION LENGTH
E– BOWL DIAMETER
F– DIAMETER ACROSS LEAD GUARD

BOWL DATA

BOWL No. 106688 PUMP SHAFT Dia. 1"
TYPE: THREADED DISCHARGE SIZE 6" NPT(MALE)
5" NPT(FEMALE)

NOTE: For each additional stage add 'C'

A	B	C	D	E	F	HP RATING	MOTOR FLANGE
19.94	10.94	8.50	2.50	8.50	8.94	30–60	6"

APW0516

DEPT OF FISH & GAME

PUMP CURVE PER WELL

37-0851 1

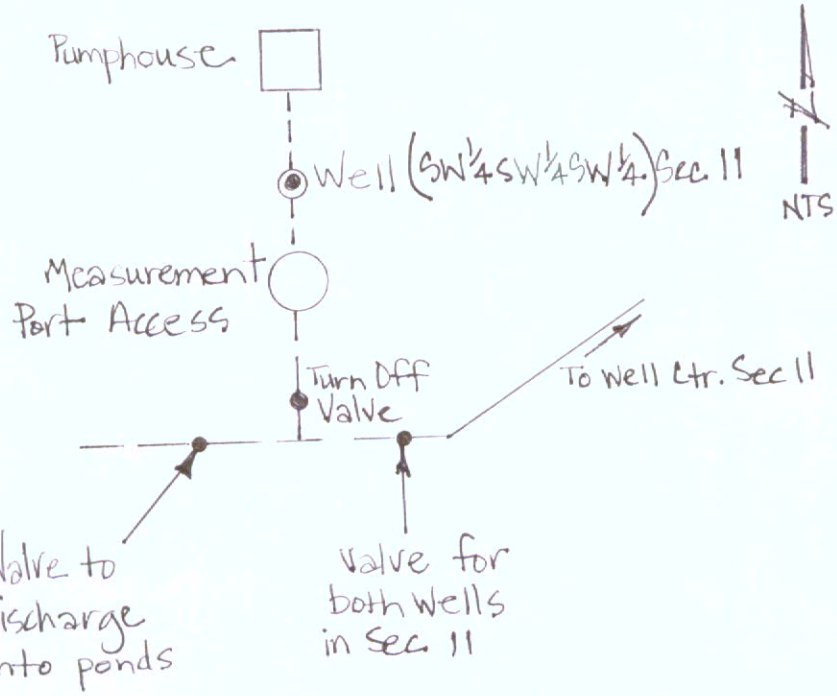


Information from pumphouse:
40 HP Submersible 3PH

The angle irons exist because subsidence occurred after well construction

PHOTOS LOOKING N'LY





State of Idaho
Dept of Fish & Game
37-0511

































































F+G #8

WATER RESOURCES OF CAMAS PRAIRIE, SOUTH-CENTRAL IDAHO

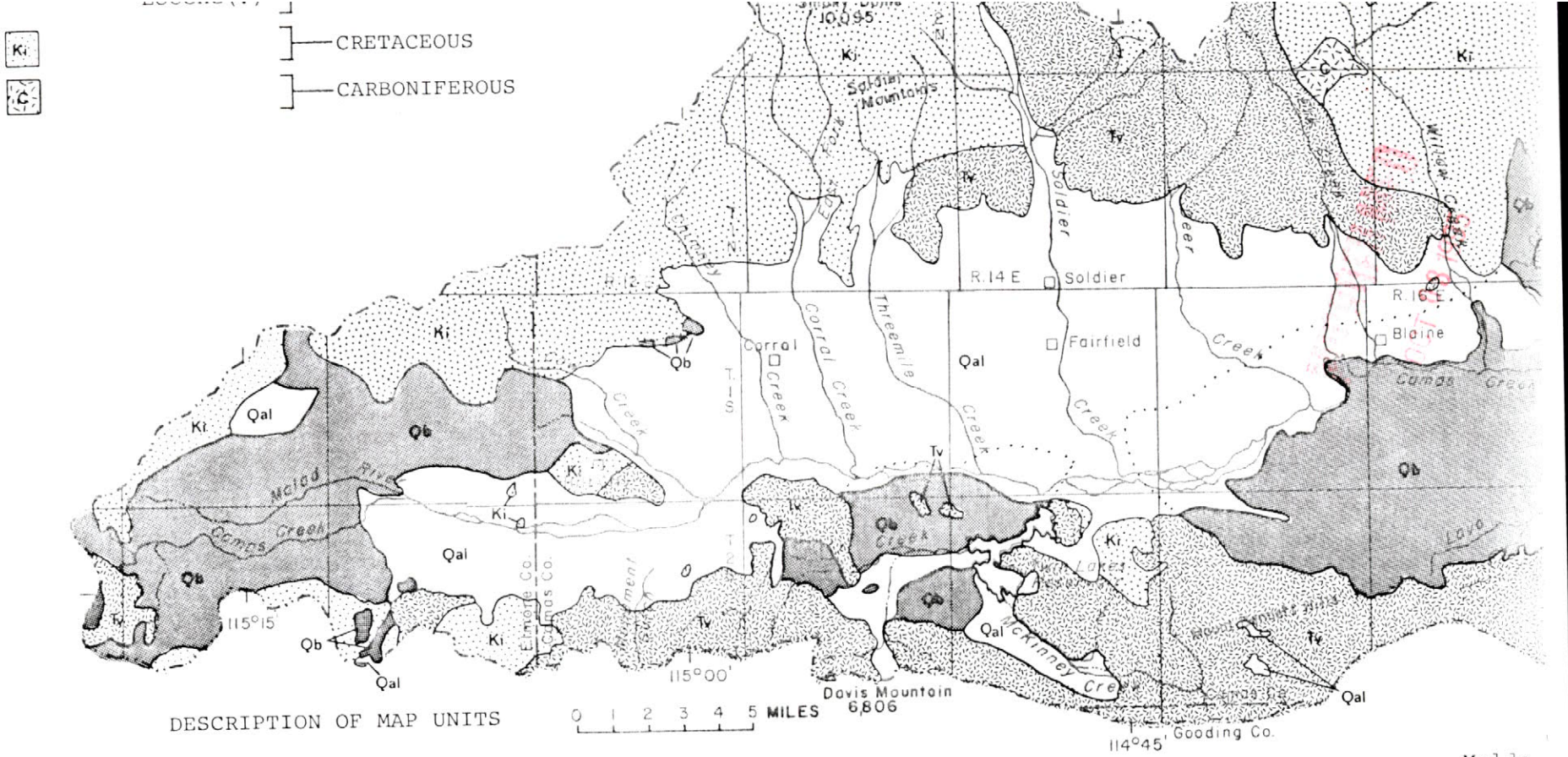
U.S. GEOLOGICAL SURVEY

Water-Resources Investigations 78-82
Open-File Report

Prepared in cooperation with the
Idaho Department of Water Resources



DEC 12 1989



DESCRIPTION OF MAP UNITS

Qal — VALLEY-FILL DEPOSITS - unconsolidated clay, silt, sand, and gravel

Qb — BASALT OF THE BRUNEAU FORMATION - gray to black vesicular basalt

Tv — TERTIARY VOLCANIC ROCKS - tuffs and flows of variable lithology, ranging from rhyolite to andesite

Ki — IDAHO BATHOLITH - quartz monzonite and granodiorite

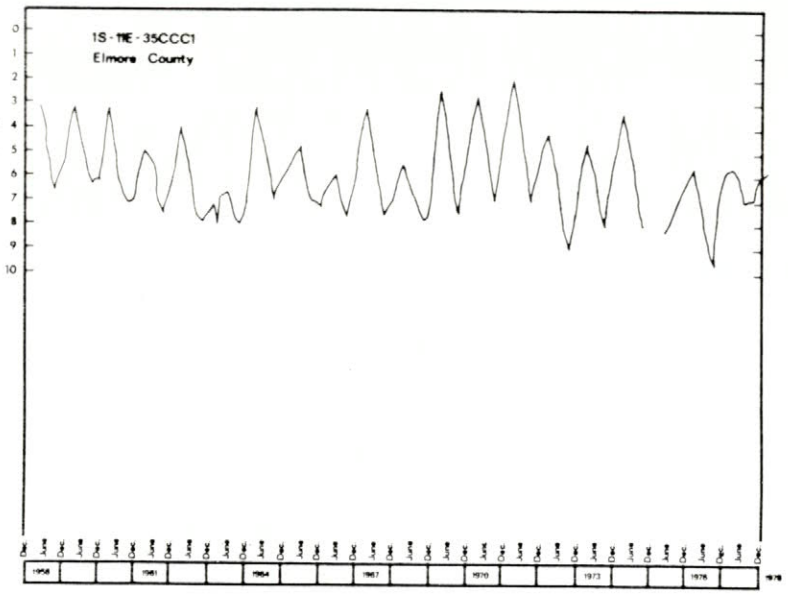
C — SEDIMENTARY ROCKS - chiefly calcareous

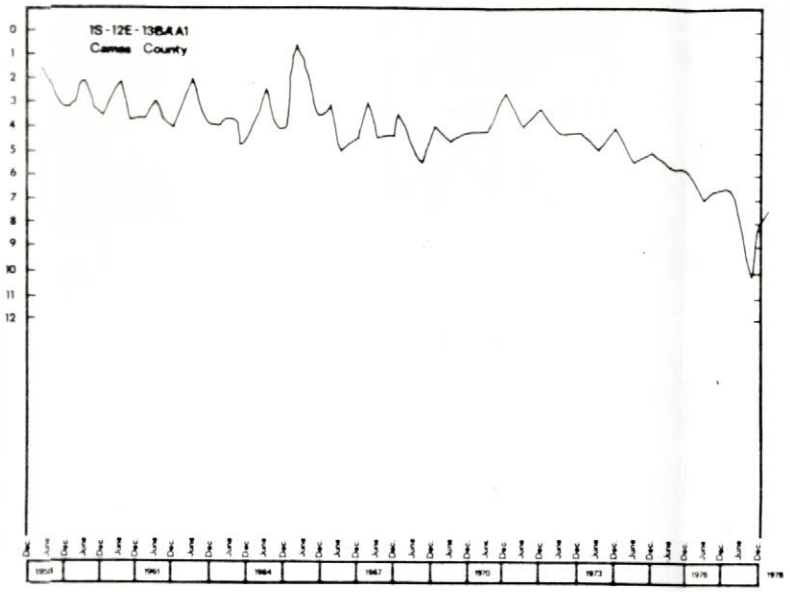
——— Contact

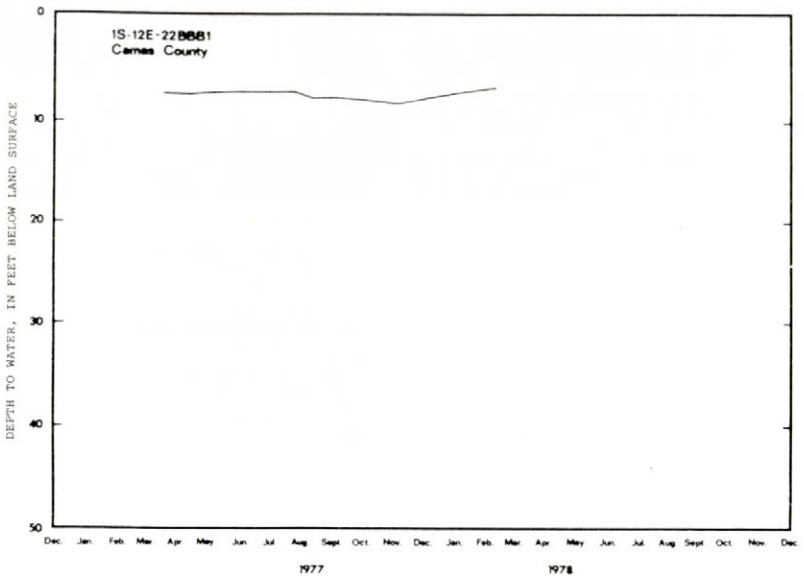
. . . . . Buried margin of basalt of the Bruneau Formation

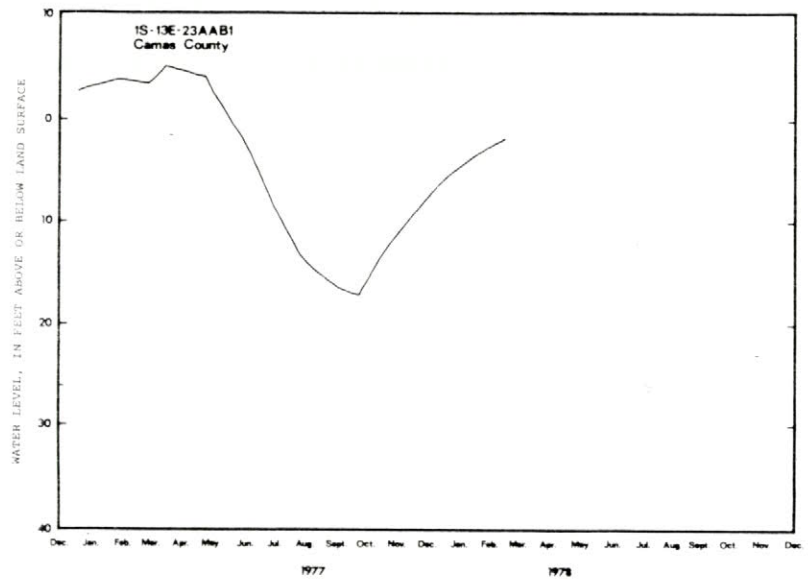
—— — — Drainage-basin divide

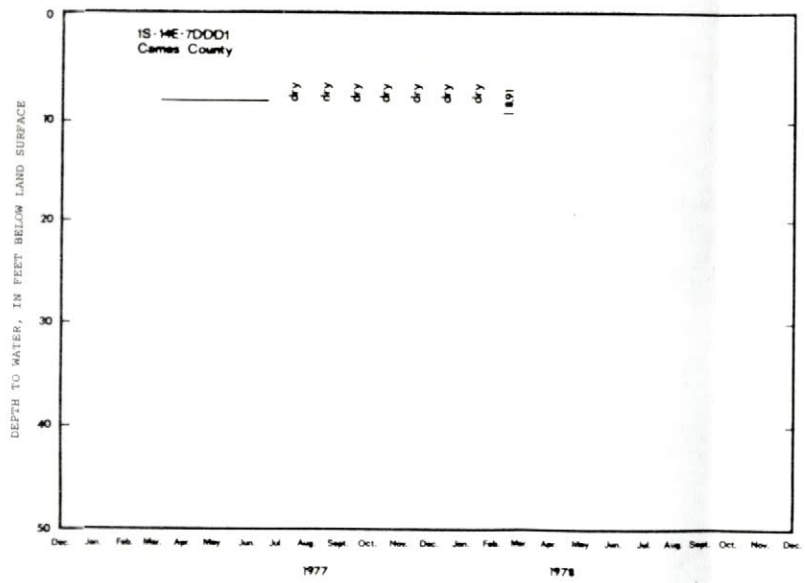
GENERALIZED GEOLOGY AND BURIED MARGIN OF BASALT OF THE BRUNEAU FORMATION

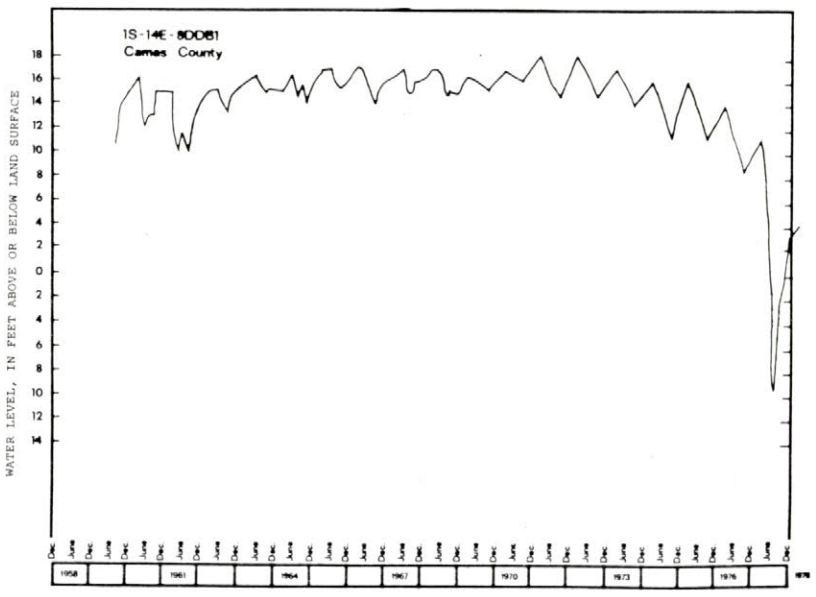


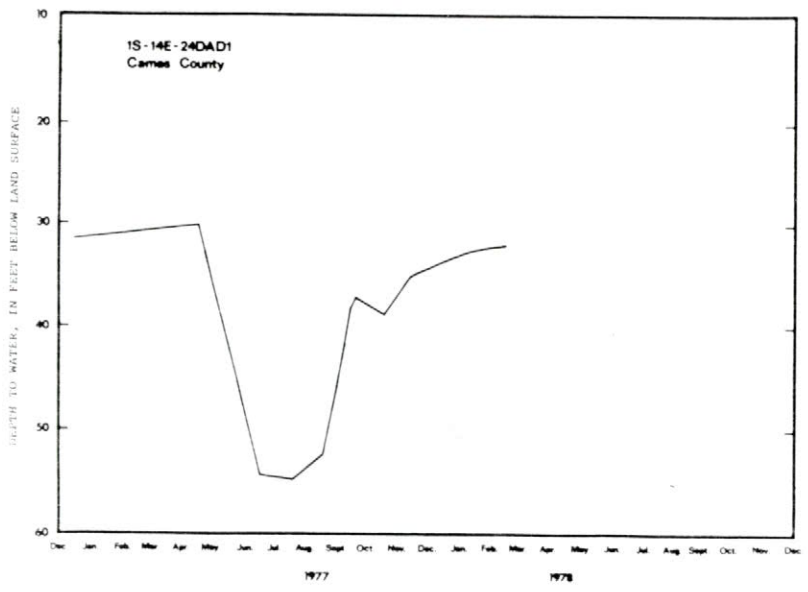


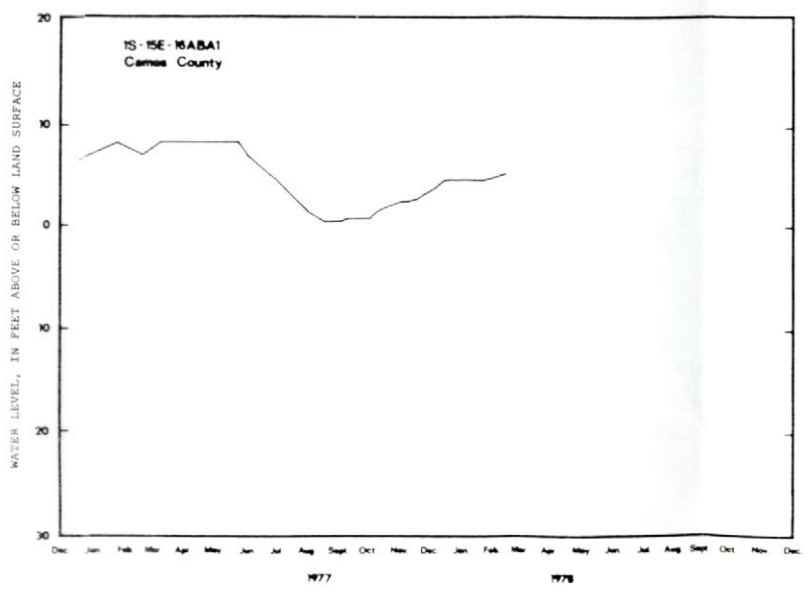


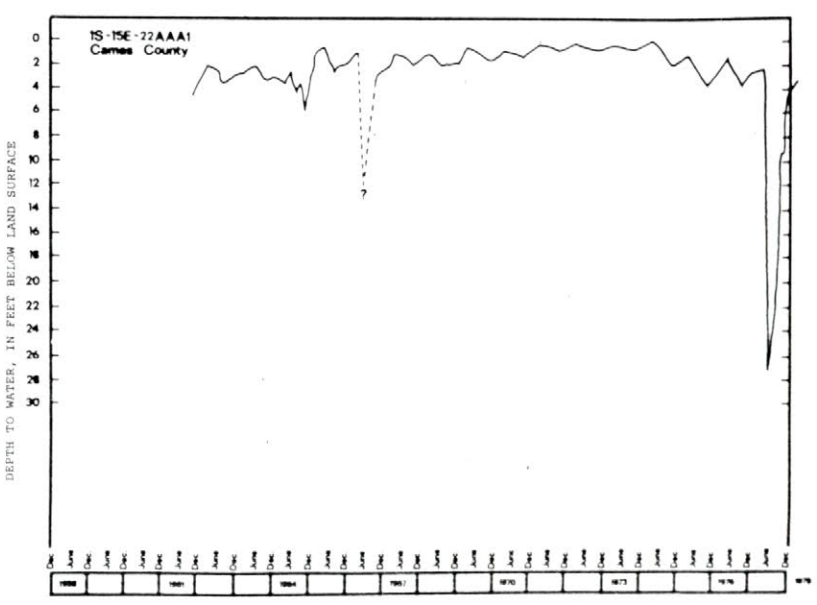










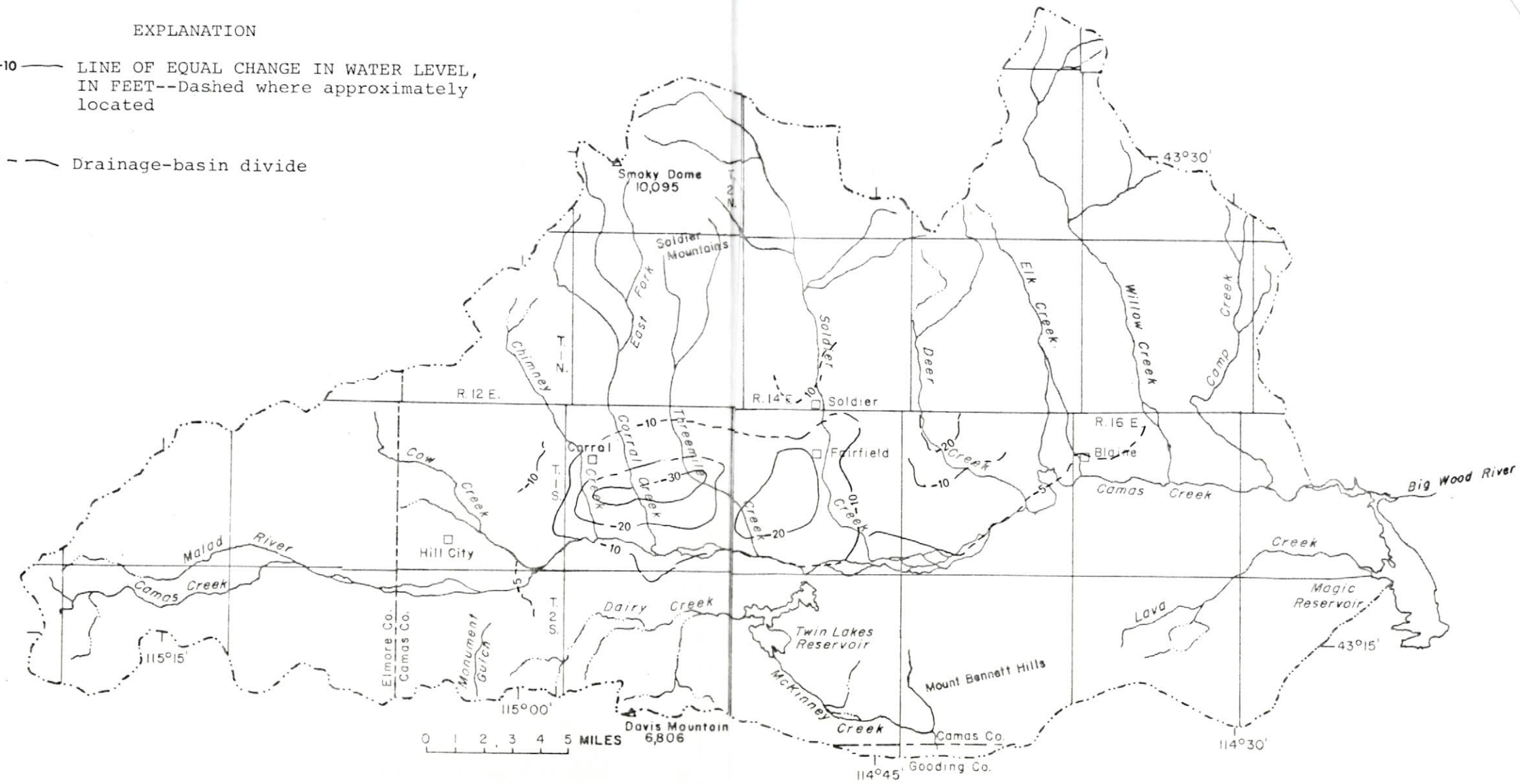


HYDROGRAPHS OF WELLS

EXPLANATION

—— -10 —— LINE OF EQUAL CHANGE IN WATER LEVEL, IN FEET--Dashed where approximately located

—— — — — Drainage-basin divide



DECLINES IN THE POTENTIOMETRIC SURFACE, SEPTEMBER 1957 TO SEPTEMBER 1977

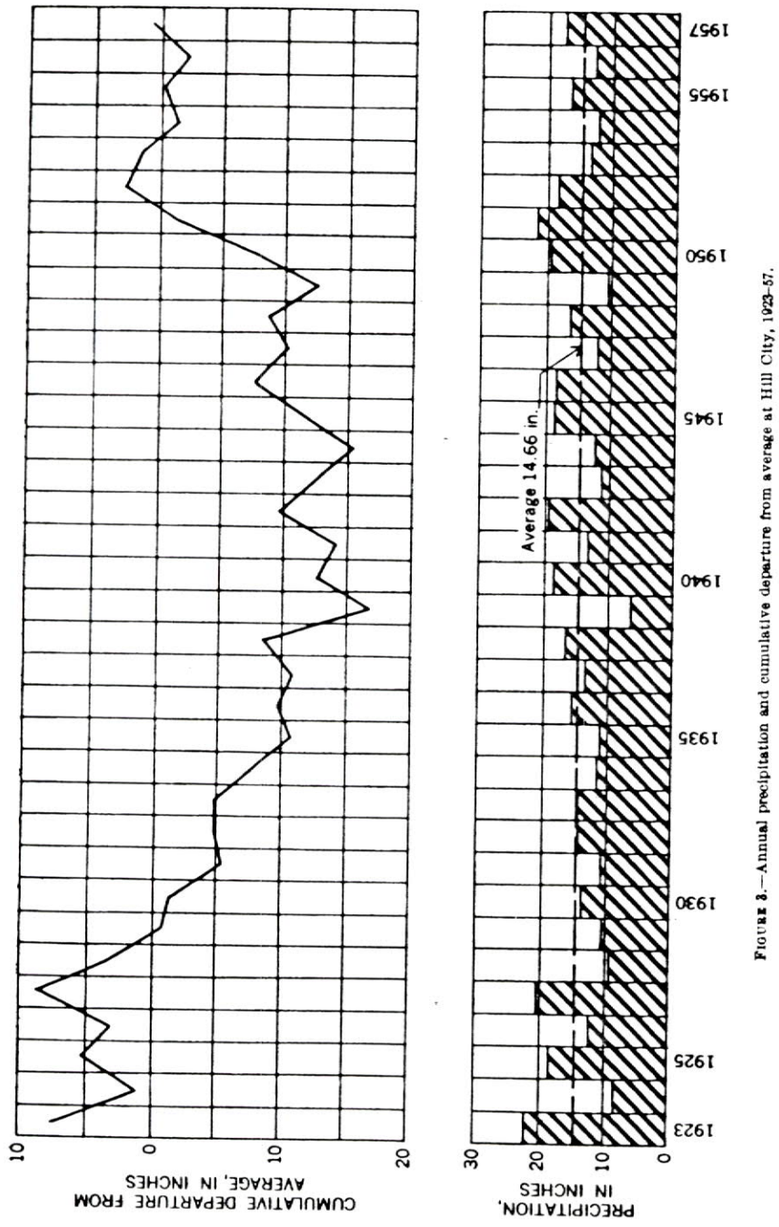


FIGURE 3.—Annual precipitation and cumulative departure from average at Hill City, 1923–57.

tion the data given in the
annual precipitation on t
17 inches.

The annual precipitati
the cumulative departur
the same period are sho
City are considered repre
est annual precipitation
year 1939, and the highe
downward slope of the
16-year period 1928–44,
below average and that
was 15.53 inches. The
1944 through 1957, indic

The annual precipitati
the period 1910–47 is sho
13.45 inches in 1928, and
graph of the cumulative
tion shows that in genera
1928–39 was below aver
10 inches. Precipitation

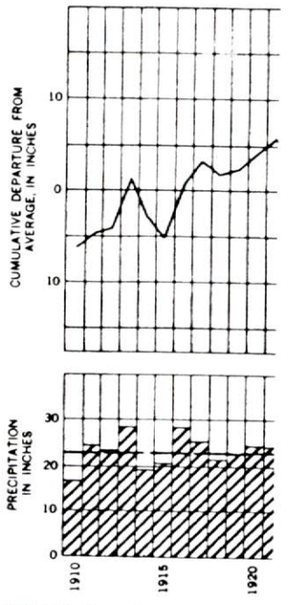


FIGURE 4.—Annual precipitation and

UNCLASSIFIED
OCT 03 1935

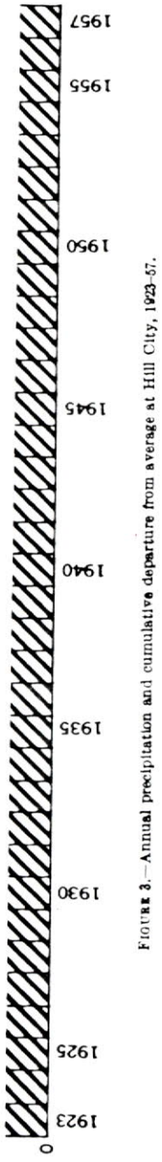


FIGURE 3.—Annual precipitation and cumulative departure from average at Hill City, 1923–57.

d

tion the data given in the table and topographic influences, the average annual precipitation on the area under study is estimated to be about 17 inches.

The annual precipitation at Hill City for the period 1923–57 and the cumulative departures from the normal annual precipitation for the same period are shown in figure 3. Climatic conditions at Hill City are considered representative for much of the prairie. The lowest annual precipitation at Hill City was 6.67 inches, recorded for the year 1939, and the highest was 22.17 inches measured in 1923. The downward slope of the graph of cumulative departure, during the 16-year period 1928–44, shows that in general the precipitation was below average and that the accumulated deficiency of precipitation was 15.53 inches. The slope of the graph is generally upward from 1944 through 1957, indicating a period of above-average precipitation.

The annual precipitation at the Soldier Creek Ranger Station for the period 1910–47 is shown in figure 4. The lowest precipitation was 13.45 inches in 1928, and the highest was 34.02 inches in 1927. The graph of the cumulative departure from the mean annual precipitation shows that in general the precipitation during the 12-year period 1928–39 was below average; the accumulated deficiency was about 10 inches. Precipitation during the period 1940–46 was above normal.



FIGURE 4.—Annual precipitation and cumulative departure from average at Soldier Creek Ranger Station, 1910–47.

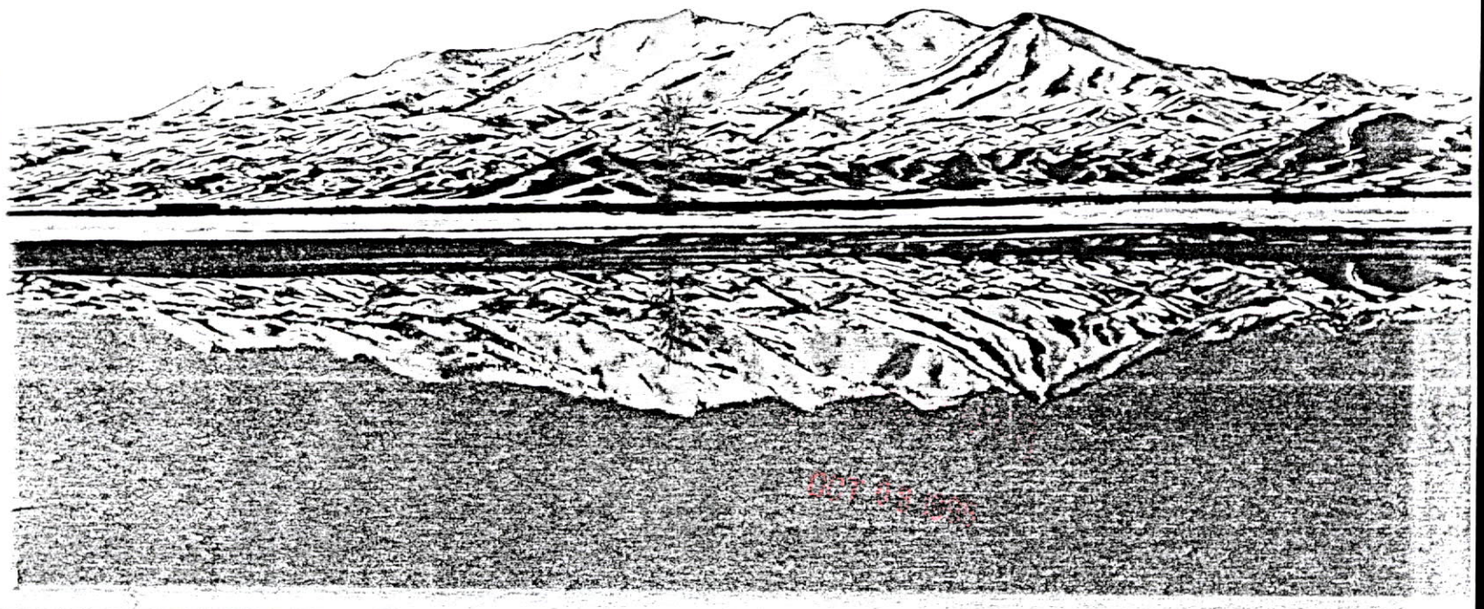
OCT 03 1995

F+G #12
Admitted

Soil Survey of

Camas County Area Idaho

United States Department of Agriculture, Soil Conservation Service
in cooperation with
United States Department of Agriculture, Science and Education Administration
United States Department of the Interior, Bureau of Land Management
University of Idaho College of Agriculture, Idaho Agricultural Experiment Station



BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF PERMIT NO. 37-08511	)	
	)	**ORDER OF**
IN THE NAME OF IDAHO DEPT. OF FISH & GAME	)	**REINSTATEMENT**
	)	

WHEREAS, the Department issued the above-captioned permit with the condition that proof of construction of works and application of water to beneficial use (proof of beneficial use) be submitted on or before June 1, 1995; and,

WHEREAS, the Department notified the permit holder on March 31, 1995, by certified mail that proof was due and instructed the permit holder of the steps to be taken to submit the proof of beneficial use; and,

WHEREAS, the Department notified the permit holder on June 12, 1995, that the permit had lapsed for failure to submit an acceptable proof of beneficial use or extension of time; and,

WHEREAS, Section 42-218a, Idaho Code, provides that a permit may be reinstated upon a showing of reasonable cause within sixty days of the date of the notice of lapsing; and,

WHEREAS, the permit holder has provided a reasonable showing why the permit should be reinstated by submitting an acceptable proof of beneficial use on July 5, 1995;

IT IS, THEREFORE, HEREBY ORDERED that Permit No. 37-08511 is **REINSTATED** with an advance in priority to June 6, 1989.

DATED this 26th day of September, 1995.

L. Glen Saxton

L. GLEN SAXTON
Chief, Water Allocation Bureau

OCT 03 1995

Form No. 217
7/94

RECEIVED
JUL 05 1995

FOR OFFICE USE ONLY
Amt. of Fee $: 100.00
Receipt No. 5018259
Receipt By: QE Clinton
Date Receipted: 7-5-95

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED
JUL 6 1995
Department of Water Resources

Department of Water Resources
Southern Region

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. 37-8511 Telephone No. 208/334-3730

2. Name(s) of Permit Holder(s): Idaho State Dept. of Fish and Game

3. Mailing Address: 600 S. Walnut, P.O. Box 25, Boise, ID 83707

4. Source of Water: Groundwater If **GROUNDWATER** (well), Date Drilled: mo. 8 / yr. 91

   a. Well Driller: Todd Knie Well Drilling Drilling Permit Number: 37 - 93 - C - 0103

   b. ***OPTIONAL:***
   Pump Horsepower: 40 Pressure (psi): _____ Dynamic pumping level (ft): 260

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: Wildlife Habitat

6. Total rate of diversion and/or volume for which proof is submitted: 1.0 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 ____
   Has the measuring device been installed? Yes ____ **or** No ____

   Flow Measurement Port: Is a flow measurement port required? Yes ____ **or** No ____
   Has the measurement port been installed? Yes ____ **or** No ____

8. Fee Enclosed: $ 100.00 (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: Terry Gregory Telephone Number: 208/764-2489

   Address: P.O. Box 128, Hill City, ID 83337

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: _____ Chief - Engineering Date: _____
(include your title, if on behalf of company of organization)

OCT 03 1995

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATIONS TO APPROPRIATE WATER NOS. 37-08511, 37-08513, 37-08514 AND 37-08526 IN THE NAME OF THE IDAHO DEPARTMENT OF FISH AND GAME	ORDER ADOPTING PROPOSED MEMORANDUM DECISION AND ORDER

A Proposed Memorandum Decision and Order in the above-captioned matter has been issued and a copy served on the parties;

WHEREAS, more than fifteen days have passed since the service of the Proposed Memorandum Decision and Order; and,

WHEREAS, no exception to that Proposed Memorandum Decision and Order has been received;

IT IS, THEREFORE, HEREBY ORDERED that said Proposed Memorandum Decision and Order be adopted and issued as the Final Decision and Order and proof of construction of works and application of water to beneficial use shall be submitted on or before June 1, 1995.

Dated this 6TH day of JUNE, 1990.

R. KEITH HIGGINSON
Director

MICROFILMED

JUN 19 1990

CERTIFICATE OF MAILING

I hereby certify that on the 11th day of June, 1990, I mailed a true and correct copy, postage prepaid, of the Order Adopting Proposed Memorandum Decision and Order to the following individuals:

Steve Goddard
Box 25
Boise, ID 83707

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

Gwinn Rice
Box 131
Hill City, ID 83337

Cecil D. Hobdey
125 Fifth Avenue West
P.O. Box 176
Gooding, ID 83330

Jennifer Seifert

JENNIFER SEIFERT
Clerical Assistant

MICROFILMED
JUN 19 1990

BEFORE THE DIRECTOR OF THE DEPARTMENT

OF WATER RESOURCES OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATIONS TO APPROPRIATE WATER NOS. 37-08511, 37-08513, 37-08514 AND 37-08526 IN THE NAME OF THE IDAHO DEPARTMENT OF FISH AND GAME

ORDER ISSUING PROPOSED MEMORANDUM DECISION

R. Keith Higginson, Director of the Department of Water Resources, having reviewed the attached proposed decision prepared by his appointee, Gary Spackman, who conducted the hearing or who has read the record in the this case, hereby approves the same as a proposed decision pursuant to Idaho Code, Sec. 67-5211.

Each party to these proceedings who appeared at the hearing is given the opportunity, pursuant to Idaho Code, Sec. 42-1701A and 67-5211, to file exceptions to the proposed decision and to present briefs and oral arguments. If no timely and proper exceptions are received, an order by the Director will be entered adopting the proposed decision as his final decision.

I.
EXCEPTIONS

A. To be considered by the Director, exceptions must:

1. be received by the Director on or before the 15th day following the day of service of this Order and the proposed decision,

2. specifically identify the portions of the proposed decision to which exceptions are made and specifically state the grounds for those exceptions, and

3. be sent to each of the parties who appeared or their attorneys.

II.
BRIEFS

A. Any briefs in support of exceptions to the proposed decision shall be filed with the Director at the same time that party's exceptions are filed with the Director.

B. All response briefs to the exceptions must be filed with the Director within 15 days after the exceptions were served upon the responding party.

MICROFILMED

JUN 19 1990

III.

A. No oral arguments before the Director on the proposed decision will be held unless specifically requested by a party filing exceptions to the proposed decision and unless that request is filed with the Director concurrently with the filing of that party's exception.

B. If oral arguments have been properly requested by a party filing exceptions, any other party, upon reasonable notice to the Director, shall have the right to present oral argument in response to the exceptions filed.

C. Oral arguments before the Director on exceptions to the proposed decision shall be heard at the discretion of the Director, pursuant to Idaho Code, Sec. 42-1701A. If oral arguments are to be heard, the Director will, within a reasonable time, notify each party of the place, date and hour the oral arguments will take place and of the period of time allocated for the arguments of this case. Unless the Director orders otherwise, all oral arguments shall be heard in Boise, Idaho.

IV.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests oral arguments and other matters filed with the Director in connection with the proposed decision shall be served on all other parties to these proceedings in accordance with Rule 7.2.

V.

FINAL DECISION

Following the submission of all exceptions, briefs and oral arguments, if they are heard, the Director shall issue a final decision adopting, modifying or rejecting and replacing the proposed decision. Copies of the decision and order shall be served on all parties.

Dated this 17th day of May, 1990.

R. KEITH HIGGINSON
Director

BEFORE THE DIRECTOR OF THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATIONS TO APPROPRIATE WATER NOS. 37-08511, 37-08513, 37-08514 AND 37-08526 IN THE NAME OF THE IDAHO DEPARTMENT OF FISH AND GAME	PROPOSED MEMORANDUM DECISION AND ORDER

Protests having been filed against applications to appropriate water nos. 37-08511, 37-08513, 37-08414 and 37-08526, and a hearing having been conducted, the hearing officer, as a representative of the Director of the Department of Water Resources, finds, concludes and orders as follows:

FINDINGS OF FACT

1. On May 3, 1989, the Idaho Department of Fish and Game (Fish & Game) filed five applications to appropriate ground water with the Department of Water Resources (Department). Each of the applications proposed drilling of a well, and the diversion of 1.0 cubic foot per second (cfs) into a series of small ponds for wildlife habitat purposes. The applications were numbered 37-08510 through 37-08514.

2. On May 16, 1989, Fish & Game filed another application to appropriate water with the Department. This application proposed storage of 220 acre-feet of water in the same waterfowl potholes proposed by the earlier applications. The source of water, however, was listed as both ground water and an unnamed

MAILED
JUN 19 1990

stream (surface run-off) which was tributary to Camas Creek. The application was numbered 37-8526.

3. Applications for permit no. 37-08510 through 37-08514 were advertised in The Snowshoe, Fairfield, Idaho, on June 7 and 14, 1989. Protests against the first applications were timely filed by Gwinn Rice, and C. Lee Barron, represented by John Arkoosh, attorney at law.

4. Application for permit no. 37-08526 was advertised in The Snowshoe, Fairfield, Idaho, on July 19 and 26, 1989. Protests against application for permit no. 37-08526 were timely filed by the Big Wood Canal Company, and by C. Lee Barron, again represented by John Arkoosh, attorney at law.

5. On July 20, 1989, Fish & Game filed an amended application form pertaining to application no. 37-08526. The only discernible difference between the earlier application and the amended application was that the surface water source had been removed from the application, and Fish & Game had added a phrase in remarks which stated that it believed "a surface water right to fill the excavated ponds is not required because diffuse surface waters will be collected." This amended application was advertised in The Snowshoe, Fairfield, Idaho, on September 6 and 13, 1989.

6. A hearing was conducted to resolve the protests on February 13, 1989. The applicant was represented by Steven Goddard, Deputy Attorney General. Gwinn Rice appeared representing himself. C. Lee Barron appeared through his attorney, John Arkoosh. Big Wood Canal Company did not appear.

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The records of the Department show that the Big Wood Canal Company was properly notified of the hearing.

7. At the hearing, Fish & Game presented a letter from Cecil Hobdey, attorney for Big Wood Canal Company, which conditionally withdrew the protest of Big Wood Canal Company if Fish & Game would consent to certain conditions. These conditions were modified by Fish & Game, and Mr. Goddard represented that Mr. Hobdey had stipulated to the amendments. The purported agreement read as follows:

a. That no pond will be developed in an area where there is a discernible and defined channel of Camas Creek or a tributary thereof.

b. No new banks or dikes will be created which would impound run-off water above the existing ground levels. This would not apply to ponds filled from ground water sources.

8. The Department requested and received a consent from Mr. Hobdey after the hearing which stipulated to the modifications by Fish & Game.

9. A question arose during the hearing regarding the intent of amended application no. 37-08526. Fish & Game clarified that the amended application sought the appropriation of surface water, or water defined as diffuse water by Mr. Goddard, and did not seek appropriation of groundwater.

10. Normally an application which changes the source of water from surface water to ground water, and which is advertised as a ground water appropriation, would have to be re-advertised. In this case, however, the original application was advertised as both a ground water and surface water application.

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protestants responded to the application which included both sources. Therefore, the surface water application was properly advertised, and the public was granted an opportunity to protest the surface water proposal. Furthermore, both protestants to application no. 37-08526 responded to the combined surface-ground water application, not the subsequent ground water notice pursuant to the amended application.

11. Prior to the hearing, Fish & Game withdrew applications for permit nos. 37-08510 and 37-08512.

12. Big Wood Canal Company relies on flood water flows from Camas Creek and other tributaries to the Big Wood River to fill Magic Reservoir.

13. Mr. Barron owns an interest in water right no. 37-2801, which authorizes diversion of 6.0 cfs from Camas Creek. The point of diversion is downstream from the proposed Fish & Game project. Mr. Barron expressed an interest in selling his surface water right to Fish & Game, assuming that Fish & Game would transfer it upstream for use on its property.

14. Fish & Game proposes to construct approximately 40 depressions or shallow ponds of between two and ten acres in size located randomly throughout Sections 2, 3, 10 and 11, Township 2 South, Range 12 East, Boise Meridian. These ponds will be from two to five feet deep, and will cumulatively hold a volume of 220 acre-feet.

15. The ponds will be built by scooping depressions out of the ground, and placing the excavated material in mounds that will create islands for nesting waterfowl.

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16. The excavated material is not intended to create dikes that will hold water above its normal elevation, or above the existing elevation of the land.

17. Once constructed, the ponds will collect spring snowmelt waters which now impound on Fish & Game property. These snowmelt waters pond on the Fish & Game property until early summer, when the waters recede, and the area dries up. The excavated ponds proposed by Fish & Game will retain water as the surface water dries up.

18. Shortly after snowmelt, the standing water on the Fish & Game property exits from the property through some culverts located east of the property underneath Wolf Road. Water only flows through these culverts for a short period of time, however, after which the upstream water ponds on the Fish & Game property until it either evaporates or percolates into the ground in early summer.

19. If the banks of the ponds do not form dikes, and islands are constructed with the excavated material, parcels of land which were once flooded will now be exposed, resulting in a smaller surface area, and evaporation will be reduced. Water will also gather more quickly in the depressions, exposing more land. In other words, the construction that is proposed will cause greater undulation of the land, concentrating the water.

20. It is true that concentration of water in the depressions will result in exposure of water to the atmosphere for a longer period of time. The additional evaporation resulting from the longer surface exposure will be offset by

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reduced evaporation because of a reduction in the total water surface area as the flood waters begin to recede.

21. Test holes dug by Fish & Game show that, in the middle and late summer months, the water table underneath its property drops to levels of seven feet or more, and the depressions formed would not hold water through the entire summer. Fish & Game desires to supplement the surface water held in the depressions with ground water diverted from the three wells proposed by applications nos. 37-08511, 37-08513 and 37-08514.

22. Fish & Game proposes to divert water from an artesian aquifer which underlies its property. Phillip Jeppson, an engineer employed by Fish & Game, testified that withdrawal of water from the artesian aquifer, and subsequent seepage from the shallow ponds to the water table would improve the water supply for the shallow aquifer. The withdrawal would, however, reduce artesian pressures.

23. The hearing officer took notice of a report prepared by the United States Geological Survey titled Water Resources of Camas Prairie South-Central Idaho, U.S. Geological Survey Open File Report No. 78-82 (1978) (Hereinafter referred to as "The Report"). The Report states that ground water generally flows east in the direction that Camas Creek flows. It also states that there are two ground water aquifers, a shallow surface aquifer and a deep artesian aquifer. The Report also states that at least a portion of the artesian aquifer is contained in an underground basalt strata. Camas Creek intercepts the water

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bearing basalt strata near Blaine, Idaho, and the basalt aquifer contributes to flows of Camas Creek.

24. Mr. Jeppson testified that existing wells in the immediate area of the proposed wells intercept a basalt strata, and that the proposed wells would also intercept a basalt strata.

25. The Report contains a map on Page 9, which depicts the underground buried margin of the basalt formation. The location of the Fish & Game wells does not fall within boundaries of the defined basalt formation. The map identifies the underground composition as valley filled deposits of clay, silt, and gravel.

26. The conflict between testimony and information contained in The Report cannot be readily reconciled. The Report establishes, however, that the basalt does not continuously underlie the valley floor. Water in the strata sought to be tapped by Fish & Game travels underground in an easterly direction, but its relationship to Camas Creek is not clear.

27. The location where Camas Creek intercepts the water bearing basalt strata is approximately 25-30 miles east of the proposed well locations. A patchwork of basalts, volcanic rocks, and deposits of clay, silt, sand and gravel extend throughout the reach. Although ground water may flow generally in an easterly direction, the only ground water The Report finds directly tributary to Camas Creek is the basalt strata intercepted by Camas Creek. Other ground water may never surface but contribute water to the larger Snake River Plain Aquifer by underflow.

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28. Historical data contained in Fish & Game Exhibit No. 1 shows that increased pumping in the Camas Prairie Valley has not significantly reduced flow rates in Camas Creek. The reduction in the flows of Camas Creek may be insignificant when compared to the actual amounts of water withdrawn.

29. Water right 37-2801, in which Barron has an ownership interest, authorizes diversion of 6.0 cfs from points of diversion located in Sections 30 and 31, T1S, R14E, approximately 8 to 10 miles downstream from the proposed points of diversion.

30. The point of diversion is located within a reach of Camas Creek which loses water to the shallow aquifer, and is approximately 8 to 10 miles upstream from the point where Camas Creek intercepts the basalt aquifer.

31. The wells proposed by Fish & Game will divert water from a confined artesian aquifer primarily for a non-consumptive use, minus evaporation and some evapotranspiration by pond-side plants sustained by continued water availability.

32. Much of the water diverted will seep into the shallow aquifer, probably maintaining the shallow aquifer at a higher level.

33. The addition of water to the shallow aquifer should reduce losses in Camas Creek and increase the water supply for water right no. 37-2801.

34. Water right 37-2801 will not be injured by the development proposed by these applications.

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35. The location of the proposed ground water diversion to the gaining reach of Camas Creek is too remote to lead to a conclusion that the proposed wells will deplete surface water downstream.

36. Rice is concerned about the possible effect of these proposals on his ground water rights. All of Rice's wells are located at least two and one half to three miles away from the proposed Fish & Game wells. Phil Jeppson reviewed Rice's well logs, and well logs of wells located near the Fish & Game property, and concluded that Fish & Game would be tapping a different aquifer than the aquifer intercepted by Rice's wells, and that the proposed wells would not interfere with Rice's wells.

37. The proposed wells will not be located in the same strata as Rice's wells. There is probably some hydrologic connection between the water Rice diverts and the water Fish & Game proposes to divert, but there is sufficient water to satisfy Rice's water rights and the diversion sought by Fish & Game. The Fish & Game wells should not locally interfere with the Rice wells, both because of the distance between the wells and the interception of a different water bearing strata.

38. The proposed ground water diversions fall within an area defined by the Water Appropriation Rules and Regulations as a trust water area. A trust water area is a ground water area from which ground water ultimately discharges to the Snake River between Milner Dam and Swan Falls Dam.

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39. The statutes, Department rules and regulations, and agreements which have been ratified by the legislature of the state, state that the Department can approve applications that will not cause a significant reduction in flows of the Snake River near Murphy, Idaho. A significant reduction is defined as a reduction of the flow at Murphy gauge by more than two acre-feet per day.

40. The parties concur that the proposed ground water diversions will not result in depletion of flows at Murphy gauge of more than two acre-feet per day.

41. Fish & Game presented sufficient information to show that there were financial resources to complete the project.

42. Fish & Game submitted sufficient information to show that the applications are not filed for speculation or delay.

43. Fish & Game presented information to show that the local public was generally in favor of the project, and that the project was of high priority to Fish & Game because of loss of wetland nesting habitat. Gwinn Rice testified that some residents of the local area were concerned about the impacts of the project, and that others did not care.

CONCLUSIONS OF LAW

1. The applications to appropriate water filed by Fish & Game must be reviewed by the Department against five criteria contained in Idaho Code § 42-203A(5) which states in part as follows:

> The director of the department of water resources shall find and determine from the evidence presented to what use or uses the water sought to be appropriated can be and are intended to be applied. In all applications whether

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protested or not protested, where the proposed use is such (a) that it will reduce the quantity of water under existing water rights, or (b) that the water supply itself is insufficient for the purpose for which it is sought to be appropriated, or (c) where it appears to the satisfaction of the department that such application is not made in good faith, is made for delay or speculative purposes, or (d) that the applicant has not sufficient financial resources with which to complete the work involved therein, or (e) that it will conflict with local public interest, where the local public interest is defined as the affairs of the people in the area directly affected by the proposed use; the director of the department of water resources may reject such application and refuse issuance of a permit therefor, or may partially approve and grant a permit for a smaller quantity of water than applied for, or may grant a permit upon conditions.

2. Rule 4,4,2,1. states that the "applicant shall bear the initial burden of coming forward with evidence for the evaluation of criteria (a) through (d) of Section 42-203A(5) Idaho Code . . .."

3. Rule 4,4,2,2. of the Water Appropriation Rules and Regulations states that both the applicant and protestant have the burden of coming forward with evidence regarding public interest of which they are each most cognizant.

4. Rule 4,4,3. states that the applicant bears the ultimate burden of persuasion for all criteria considered under Idaho Code § 42-203A.

5. The local public interest criterion of Idaho Code, Sec. 42-203A(5) is defined by Rule 5,1,5. of the Water Appropriation Rules and Regulations to include:

> The effect the project will have on the economy of the local area affected by the proposed use as determined by the employment opportunities, both long and short term, revenue changes to various sectors of the economy, short and long term, and the stability of revenue and employment gains;
>
> The effect the project will have on recreation, fish and wildlife resources in the local public area affected by the proposed use;

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Compliance with applicable air, water, hazardous substance standards, and compliance with planning and zoning ordinances of local or state government jurisdiction.

6. Rule 4,5,3,2,1. of the Water Appropriation Rules and Regulations requires submittal of detailed information about required peak and average diversion rates, use periods, annual water volume, and consumptive use. Rule 4,5,3. only requires submittal of information for applications proposing diversion in excess of 5.0 cfs or storage of 500 acre-feet.

7. Shokal v. Dunn, 109 Idaho 330, 707 P.2d, 441 (1985) requires submittal of sufficiently detailed plans to reflect a project's impacts and implications and to apprise the public of the efficacy of the proposed use. Shokal also states that "the design plan for a proposed facility depends on the nature of the facility, the complexity of the proposal and the extent of the proposed appropriation's impact on the local area."

8. The schematic drawing on the applications for permit, and approximate location of the ponds and wells was sufficient to satisfy the test of Shokal. In this case, variation in the exact location of each pond and networking the ponds with pipes and ditches will not substantially change the net effect of the project. Although the interties between the ponds may be complex once pumping starts, the use by wildlife is a natural use as opposed to an intensive, industrialized use of water. The use will not cause an obvious risk to the environment or pose a direct and immediate harm to local residents.

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9. Fish & Game has alleged that the water proposed to be collected in the excavated ponds is diffuse water, and is private, not public water. Fish & Game further argues that use of the water is not subject to the appropriation process, and earlier priority rights. While the Department recognizes that this doctrine has long been an appendage to the laws of appropriation, modern day analysis of the hydrologic relationship between surface and ground water and the ultimate effect on downstream water users may result in the rejection or very narrow application of the diffuse water concept. In this case, however, the Department need not address the diffuse water issue.

10. The testimony of the applicant established that these applications to appropriate water were not filed for purposes of delay or speculation, and that Fish & Game has sufficient financial resources to construct the project.

11. Fish & Game established that there is a local public interest and a general public interest in the development of the project proposed by these applications. Statements by Mr. Rice about local public interest showed, at best, ambivalence toward the project. The local public interest criterion was satisfied.

12. The primary controversy in this matter arose over injury to other water users and adequacy of the water supply.

13. Sufficient testimony and evidence distinguishing the strata intercepted by Rice's well and the strata that will be intercepted by Fish & Game to show that Rice will not be injured by withdrawal of water from the proposed Fish & Game wells. The

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distance between Rice's wells and the proposed Fish & Game wells will prevent local interference.

14. Retention of spring flood water in excavated ponds will not result in injury to other appropriators.

15. Diversion of ground water as proposed will not injure downstream surface water users.

16. The Department must review the applications under the mandates of Idaho Code § 42-203C which reads in pertinent part:

> If an applicant intends to appropriate water which is held in trust by the state of Idaho . . . the Director shall consider, prior to approval of the application, the criteria established in Section 42-203A, Idaho Code, and whether the proposed use, individually or cumulatively with other existing uses, or uses reasonably likely to exist twelve (12) months of the proposed use would significantly reduce the amount of trust water available to the holder of a water right use for power production . . . .

17. "Significant reduction" has been defined as a diversion of water which will reduce the flow of the Snake River at Murphy gauge by more than two acre-feet per day.

18. Development proposed by these applications will not cause a significant reduction in the flow of the Snake River at Murphy gauge.

ORDER

IT IS HEREBY ORDERED that applications for permit to appropriate water nos. 37-08526, 37-08511, 37-08513 and 37-08514 are APPROVED, subject to the following conditions:

1. No ponds shall be developed in an area where there is a discernible and defined channel of Camas Creek or a tributary thereof.

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2. No new banks or dikes will be created which will impound run-off water above the existing ground level. This condition does apply to ponds filled from ground water sources. Ponds cannot retain water above the elevation of the natural land surface.

3. Diversion of water under this permit may, in the future, be subject to the control of the watermaster of District #37, Big Wood River, if the Department determines that water diverted must be regulated to protect prior rights.

IT IS FURTHER ORDERED that applications nos. 37-08511, 37-08513 and 37-08514 shall also be conditioned as follows:

1. Any license issued by IDWR pursuant to the permit or portion thereof for the use of trust water is subject to a term review of 20 years after the date of this approval to determine the availability of water for the use and to re-evaluate the public interest at the end of the term.

2. Diversion and use of water under this permit is subject to an annual use fee if rules are subsequently promulgated which provide for the submittal of the fee.

Dated this 17th day of May, 1990.

Gary Spackman

GARY SPACKMAN, Hearing Officer
Department of Water Resources

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CERTIFICATE OF MAILING

I hereby certify that on the 18th day of May, 1990, I mailed a true and correct copy of this letter from Cecil D. Hobdey, postage prepaid, to the following individuals:

Steve Goddard, Attorney at Law
Box 25
Boise, ID 83707

John Arkoosh
Attorney at Law
P.O. Box 32
Gooding, ID 83330

Gwinn Rice
Box 131
Hill City, ID 83337

Cecil D. Hobdey
125 Fifth Avenue West
P.O. Box 176
Gooding, ID 83330

Jennifer Seifert

JENNIFER SEIFERT
Clerical Assistant

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JUN 15 1990

BEFORE THE DIRECTOR OF THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATIONS TO APPROPRIATE WATER NOS. 37-08511, 37-08513, 37-08514 AND 37-08526 IN THE NAME OF THE IDAHO STATE FISH AND GAME DEPARTMENT	SUMMARY ORDER FOR BRIEFING AND SUBMITTAL INFORMATION

A hearing having been held, and the hearing officer having determined that additional time for briefing and submittal of information is required,

IT IS HEREBY ORDERED that the parties may submit any factual information relating to a report distributed by the hearing officer at the hearing entitled Water Resources of Camas Prairie, South-Central Idaho, U.S. Geological Survey Open File Report No. 78-82 (1978) on or before March 15, 1990. Any rebuttal to submittal by the parties shall be submitted prior to March 30, 1990.

IT IS FURTHER ORDERED any briefs regarding legal issues raised at the hearing shall be submitted to the Department prior to March 15, 1990, and any rebuttal briefs to original briefs must be submitted to the Department on or prior to March 30, 1990.

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Dated this 26th day of February, 1990.

Gary Spackman
GARY SPACKMAN, Hearing Officer
Department of Water Resources

CERTIFICATE OF MAILING

I hereby certify that on the 27th day of February, 1990, I mailed a true and correct copy of the Summary Order For Briefing and Submittal Information, postage prepaid, to the following individuals:

Cecil Hobdey
Attorney at Law
125 Fifth Avenue West
P.O. Box 176
Gooding, ID 83330

Gwinn Rice
Box 131
Hill City, ID 83337

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

Steve Goddard
Box 251
Boise, ID 83707

Jennifer Seifert
JENNIFER SEIFERT
Clerical Assistant

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App B

Form 202
6/85

Ident. No. 37- 08511

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 Department of Fish and Game Phone 334-3730

   Post office address 600 South Walnut Street, P. O. Box 25, Boise, ID 83707

2. Source of water supply Groundwater which is a tributary of _____

3. Location of point of diversion is SW ¼ of SW ¼ of SW ¼, Govt. Lot _____

   Sec. 11 Township 2 S. Range 12 E. B.M. Camas County; additional

   points of diversion if any: _____

4. Water will be used for the following purposes:

   Amount 1 cfs (cfs or acre-feet per annum) for Wildlife Habitat purposes from May 1 to Nov. 15 (both dates inclusive)

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

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

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

5. Total quantity to be appropriated is (a) 1 cfs (cubic feet per second) and/or (b) 390 (acre feet per annum)

6. Proposed diverting works:

   a. Description of ditches, flumes, pumps, headgates, etc. An approx. 25 hp vertical turbine pump would be used with a combination of open ditches and piping to convey the water to ponds.

   b. Height of storage dam NA 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 approx. 14 inches; proposed depth of well is approx. 300 feet.

   d. Is ground water with a temperature of greater than 90° F being sought? NO

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*).

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

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

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; show name of municipality. _____

d. Domestic; show number of households. _____

e. Other; describe fully. Wildlife Provide nesting, rearing and feeding habitat for migratory waterfowl.

9. Description of place of use:

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

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

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
2 S.	12 E.	10	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	
2 S.	12 E.	11	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W		

Total number of acres to be irrigated _____

10. Describe any other water rights used for the same purposes as described above. Water right application for Permit #37-08493 and the four concurrent applications submitted with this one.

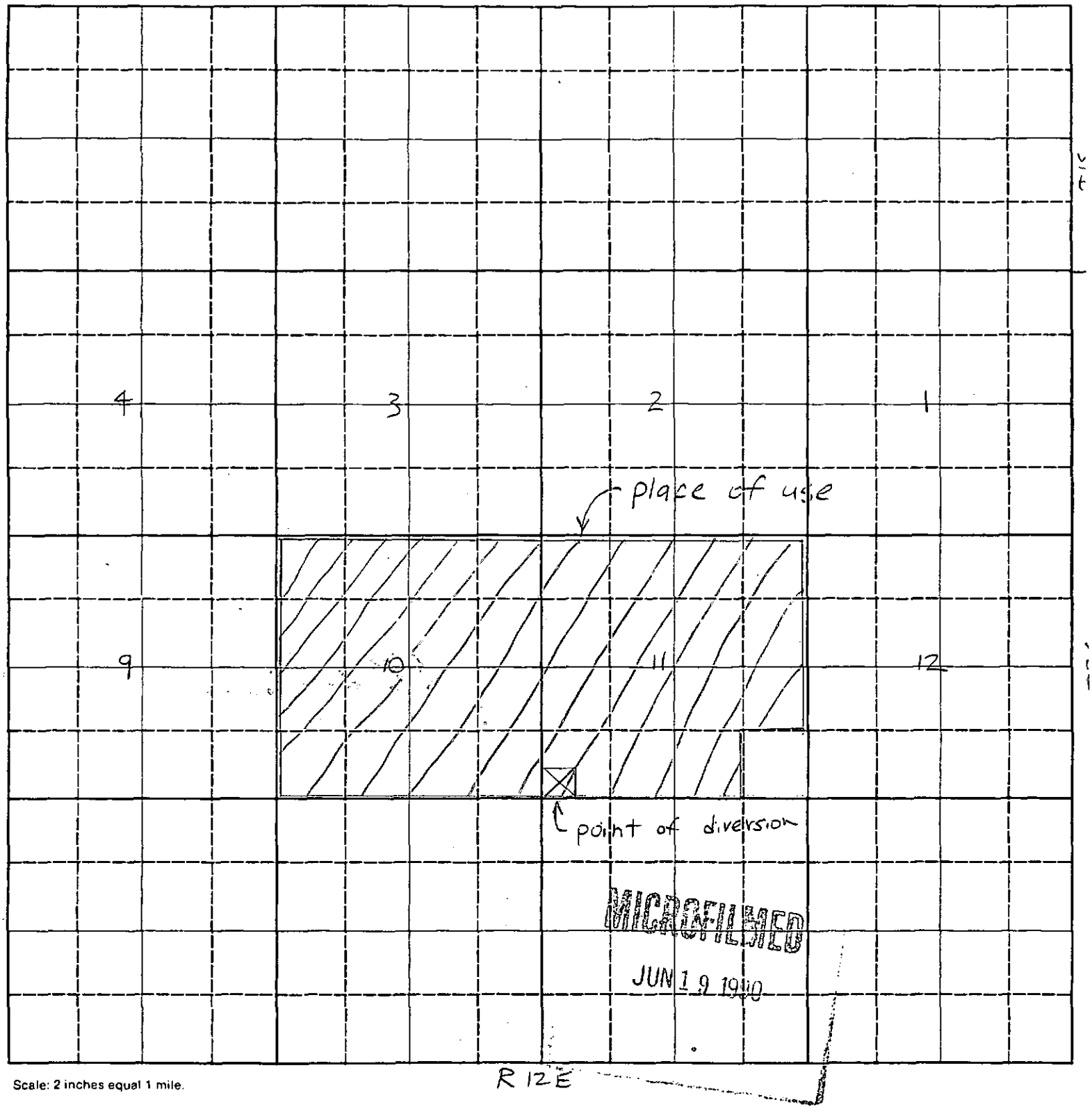
11. a. Who owns the property at the point of diversion? Idaho Department of Fish and Game

b. Who owns the land to be irrigated or place of use? Idaho Department of Fish and Game

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. _____

12. Remarks: This water will be used to fill excavated, shallow ponds after the water table starts to lower.

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



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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.

(Applicant)

Received by LG Date 5-3-89 Time 11:00 AM Preliminary check by attached

Fee $ 45.00 Receipted by TJK # 5007019 Date 5-5-89

Publication prepared by M. Baldwin Date 5/31/89 Published in the Snowshoe

Publication approved Lloyd R Page Date 6-21-89

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 37-8511, and said application is hereby APPROVED.

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

   a. SUBJECT TO ALL PRIOR WATER RIGHTS.

   b. Proof of construction of works and application of water to beneficial use shall be submitted on or before June 1, 19 95.

   c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

   d. 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.

   e. Other: Pursuant to the Order Adopting Proposed Memorandum Decision and Order.

Witness my hand this 6th day of June, 1990.

R. Keith Higginson

R. KEITH HIGGINSON
Director

Received by J Stanton Date 7-20-89 Time noon Preliminary check by _____

Fee $ 20.00 Receipted by JS # 5008630 Date 7-21-89

Publication prepared by M. Baldwin Date 8/23/89 Published in The Snowshoe

Publication approved M. Baldwin Date 9/22/89

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 37-08526, and said application is hereby APPROVED.

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

   a. SUBJECT TO ALL PRIOR WATER RIGHTS.

   b. Proof of construction of works and application of water to beneficial use shall be submitted on or before June 1, 19 95.

   c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

   d. 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.

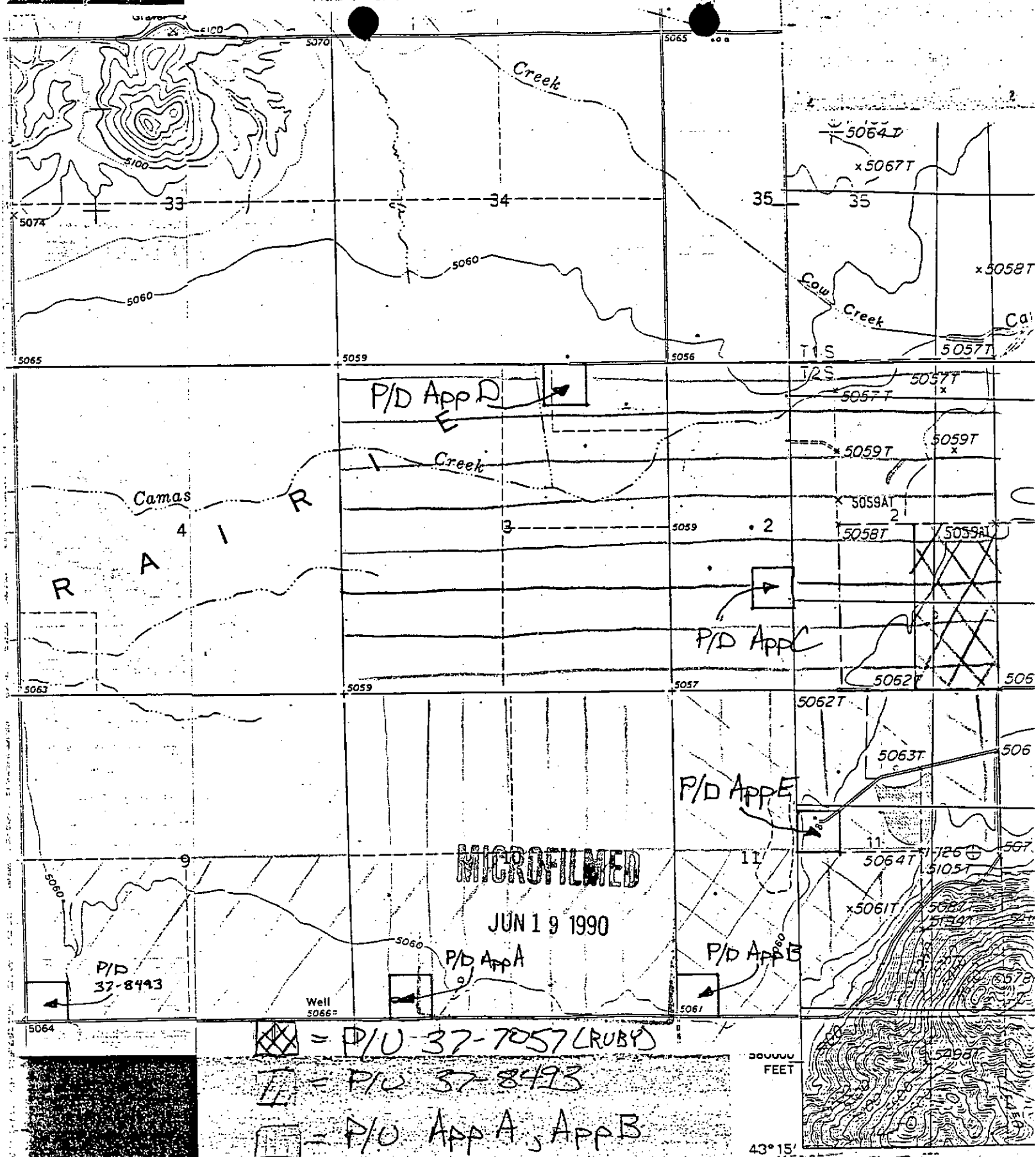
   e. Other: Pursuant to the Order Adopting Proposed Memorandum Decision and Order.

Witness my hand this 6th day of June, 1990.

R. Keith Higginson

R. KEITH HIGGINSON
Director

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JUN 19 1990

= P/U 37-7057 (RUBY)

= P/U 37-8493

= P/U App A, App B

= P/U App C, App D

= P/U App E

FOR DEPT USE

IDF&G Application Summary

37-08511

Legal Notice

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Southern Region
2148 4th Avenue East
Twin Falls, Idaho 83301
(208) 734-3578

NOTICE OF APPLICATION FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

37-08510

STATE OF IDAHO
DEPT. OF FISH & GAME
P.O. BOX 25
BOISE, ID 83707

Source: GROUNDWATER
Diversion Pt: SESWSW Sec 10 T 02S R 12E
Use: WILDLIFE (1.000 CFS)
Date Filed: 5/03/1989
In: T02S R12E S10

	NENE	NWNE	SWNE	SENE
	NENW	NWNW	SWNW	SENW
	NESW	NWSW	SWSW	SESW
	NESE	NWSE	SWSE	SESE
S11	NWNE	SWNE	SENE	NENW
	NWNW	SWNW	SENW	NESW
	NWSW	SWSW	SESW	NESE
	NWSE	SWSE	NENE	

37-08511

STATE OF IDAHO
DEPT. OF FISH & GAME
P.O. BOX 25
BOISE, ID 83707

Source: GROUNDWATER
Diversion Pt: SWSWSW Sec 11 T 02S R 12E
Use: WILDLIFE (1.000 CFS)
Date filed: 5/03/1989
In: T02S R12E S10

	NENE	NWNE	SWNE	SENE
	NENW	NWNW	SWNW	SENW
	NESW	NWSW	SWSW	SESW
	NESE	NWSE	SWSE	SESE
S11	NENE	NWNE	SWNE	SENE
	NENW	NWNW	SWNW	SENW
	NESW	NWSW	SWSW	SESW
	NESE	NWSE	SWSE	

37-08512

STATE OF IDAHO
DEPT. OF FISH & GAME
P.O. BOX 25
BOISE, ID 83707

Source: GROUNDWATER
Diversion Pt: SWNESW Sec 2 T 02S R 12E
Use: WILDLIFE (1.000 CFS)
Date Filed: 5/03/1989
In: T02S R12E S02

	NENE	NWNE	SWNE	SENE
	NENW	NWNW	SWNW	SENW
	NESW	NWSW	SWSW	SESW
	NESE	NWSE	SWSE	SESE
S03	NENE	NWNE	SWNE	SENE
	NENW	NWNW	SWNW	SENW
	NESW	NWSW	SWSW	SESW
	NESE	NWSE	SWSE	SESE

STATE OF IDAHO
DEPT. OF FISH & GAME
P.O. BOX 25
BOISE, ID 83707

JUN 20 1989
Department of Water Resources
Southern Region Office

Source: GROUNDWATER
Diversion Pt: NENWNE Sec 3 T 02S R 12E
Use: WILDLIFE (1.000 CFS)
Date Filed: 5/03/1989
In: T02S R12E S02

	NENE	NWNE	SWNE	SENE
	NENW	NWNW	SWNW	SENW
	NESW	NWSW	SWSW	SESW
	NESE	NWSE	SWSE	SESE
S03	NENE	NWNE	SWNE	SENE
	NENW	NWNW	SWNW	SENW
	NESW	NWSW	SWSW	SESW
	NESE	NWSE	SWSE	SESE

37-08514

STATE OF IDAHO
DEPT. OF FISH & GAME
P.O. BOX 25
BOISE, ID 83707

Source: GROUNDWATER
Diversion Pt: SESENW Sec 11 T 02S R 12E
Use: WILDLIFE (1.000 CFS)
Date Filed: 5/03/1989
In: T02S R12E S11

	NENE	NWNE	SWNE	SENE
	NENW	NWNW	SWNW	SENW
	NESW	NWSW	SWSW	SESW
	NESE	NWSE	SWSE	

The permit(s) will be subject to all prior water rights. Protests may be submitted based of the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 2148 4th Avenue East, Twin Falls, Idaho 83301 on or before JUNE 26, 1989.

R. Keith Higginson, Director

Published 6/07/1989 & 6/14/1989

OK LRP 6-21-89

RECEIVED
JUN 19 1990

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO)
ss.
County of Camas)

Edward Reagan, being first duly sworn, deposes and says that he/she is the designated agent for publisher of the Snowshoe, a newspaper published every week in Fairfield, County of Camas, State of Idaho, that said newspaper has been continuously and uninterruptedly published for a period of seventy-eight consecutive weeks prior to the first publication of the annexed notice, and is a newspaper qualified to publish legal notices as provided by act of the 1919 session of the legislature of the State of Idaho, known as House Bill 145; that the annexed advertisement, a copy of which is hereto attached, was published once each week for 2 consecutive issues in said newspaper proper and not in a supplement; that the date of the first publication of said advertisement was on the 7th day of June, 1989, and the date of the last publication was on the 14th day of June, 1989.

Edward D Reagan

Subscribed and Sworn to before me this 19th day of June, 1989.

Cindy Artemose
Notary Public in and for
The State of Idaho.
Residing at Fairfield.

THE SNOWSHOE
Fairfield, Idaho
Cost of Publication

Number of lines in notice 104
Number of insertions 2
Cost for advertisement $145.60

MICROFILMED
JUN 19 1990

RECEIVED
JUN 20 1989
Department of Water Resources
Southern Region Office

Form 219
6/92

RECEIVED
DEC 0 2 1998
Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 37-08511

1. Owner: DEPT of FISH & GAME Phone No. (208) 334-3730

Current Address: PO BOX 25, BOISE, ID. 83707

2. Accompanied by: TERRY GREGORY EXAM DATE: 16SEPT 1998

Address: _____ Phone No. (208) 764-2489

Relationship to Permit Holder: EMPLOYEE (F&G) CAMAS PRAIRIE CENTENNIAL MARSH

3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-08513, -08514, -08526

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

C. DIVERSION AND DELIVERY SYSTEM

1. **Point(s) of Diversion:**

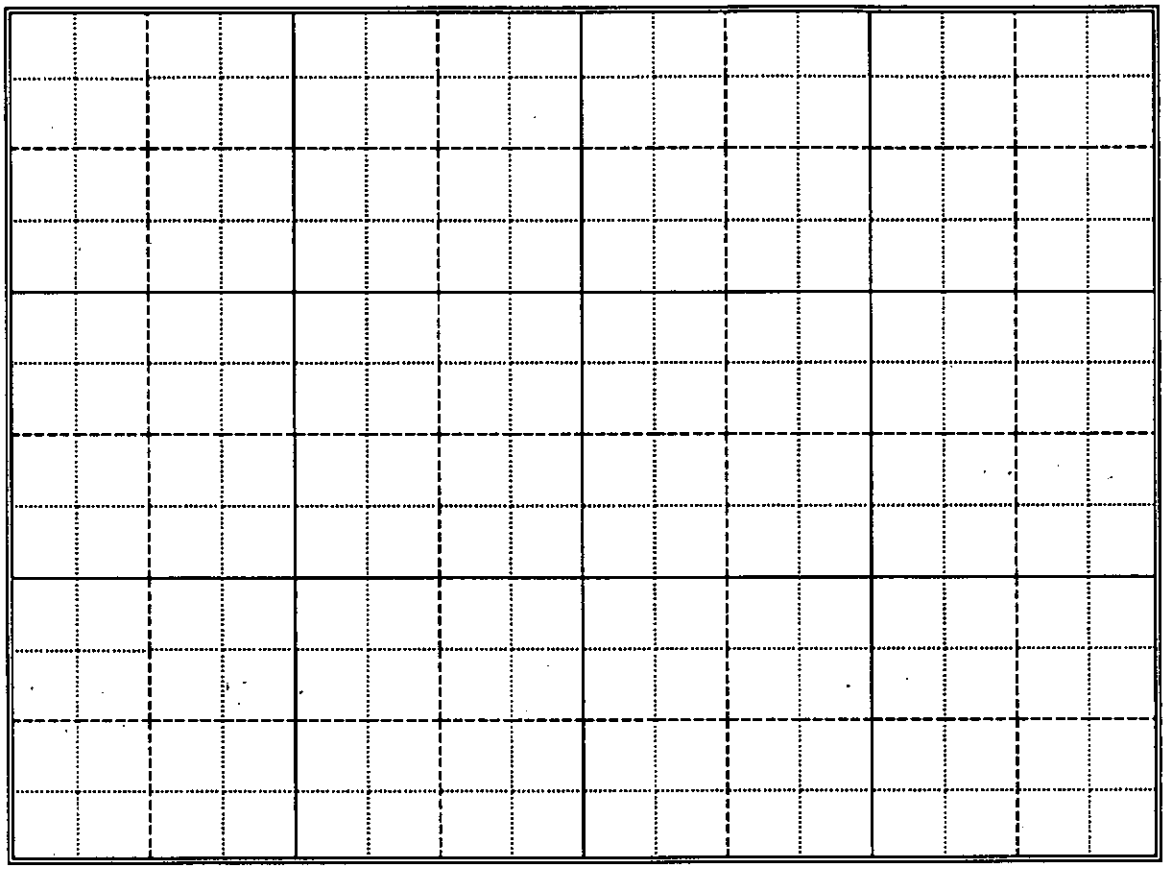
Ident No.	Gov't Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SW	SW	SW	11	02S	12E	CAMAS	GPS A0007834
									FIELD EXAM

2. **Place(s) of Use:** Indicate Method of Determination same as above

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
02S	12E	02									WS W		WS W	WS W	WS W				
"	"	03												WS W	WS W	WS W			
"	"	10	WS W			WS W		WS W		WS W		WS W				WS W		WS W	
"	"	11			WS W					WS W	WS W		WS W						

WS = WILDLIFE STORAGE
W = WILDLIFE

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



Scale: 1" = _____.

✓ Copy of USGS Quadrange Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

✓ Aerial Photo Attached (required for irrigation of 10+ acres)

✓ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
GPS A0007834		40	Submersible		

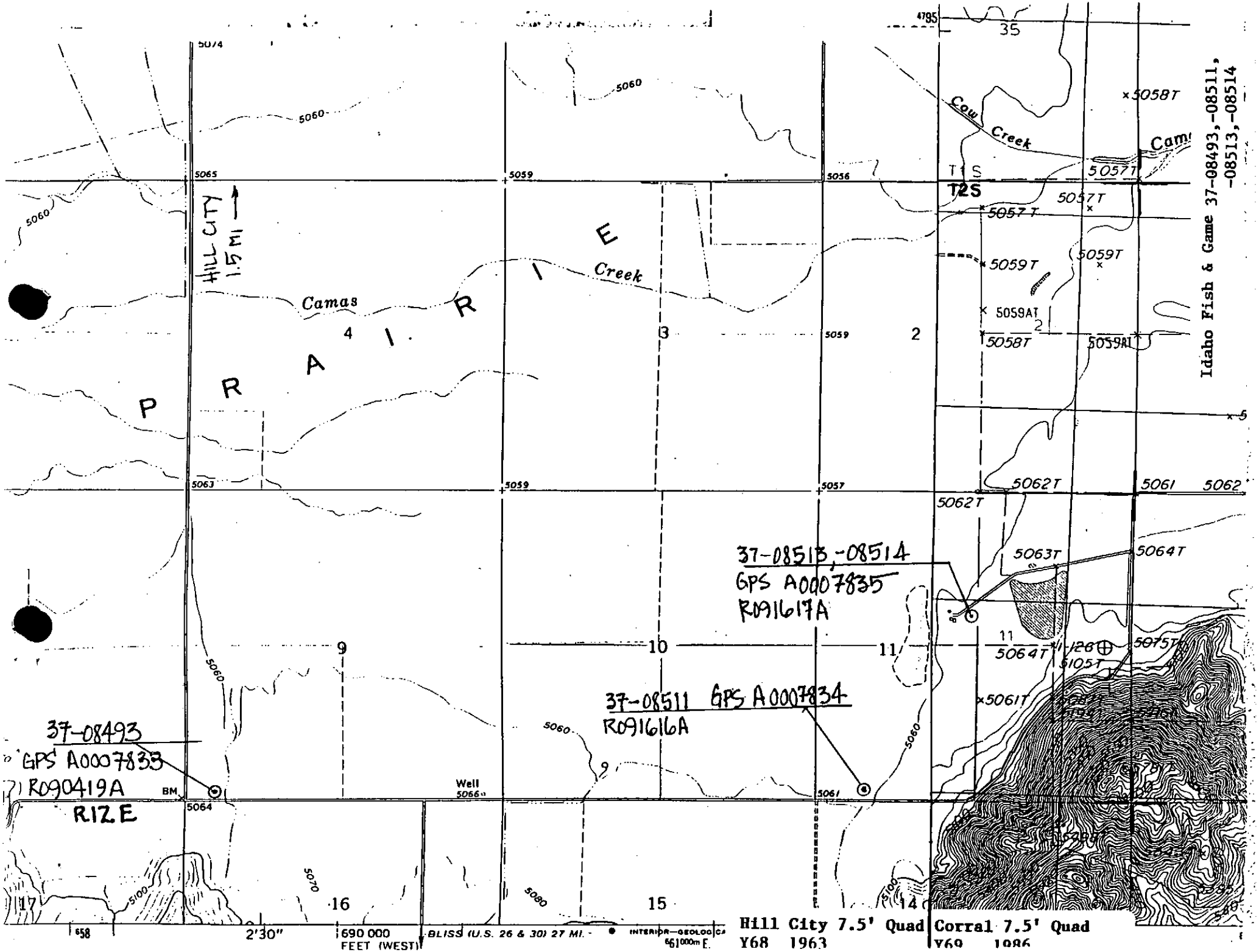
**Code to correspond with No. on map and aerial photo*

D. FLOW MEASUREMENTS

1.

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

2. **Measurements:** POWER RECORDS COMPILATION/ANAYLSIS W/ PUMP CURVE & THEORETICAL


Idaho Fish & Game 37-08493,-08511,
-08513,-08514
HILL CITY
1.5 mi
Camas
Creek
Cow
Creek
T 1 S
T2S
PRAIRIE
37-08513,-08514
GPS A0007835
R091617A
37-08511 GPS A0007834
R091616A
37-08493
GPS A0007833
R090419A
RIZE
Well
5066
BM
5064
BLISS (U.S. 26 & 30) 27 MI.
INTERIOR—GEOLOGICAL
2'30"
690 000
FEET (WEST)
Hill City 7.5' Quad
Y68 1963
Corral 7.5' Quad
Y69 1986

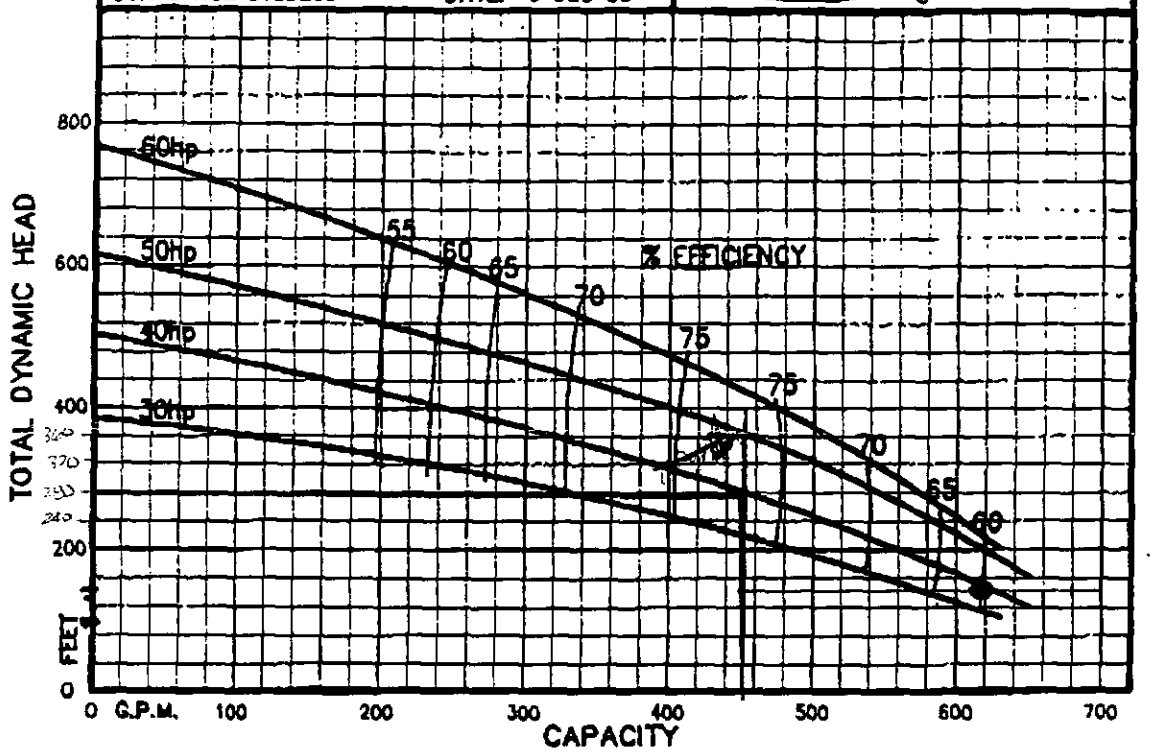
Submersible Turbine Model 7T-450

third well

SWSWSW 1/4 Sec 11

FAMILY CURVE — SIZE: 7"
DESIGN SERIES: 7T-450
SPEED: 3450 — HZ: 60
CURVE NO.: ST2925B — DATE: 6 DEC 89

BERKELEY PUMPS



600 gpm = 1.33 cfs

TDH = LIFT + PSI (2.31)
= 20 + 60 (2.31)
= 160'

Specifications

CURVE No. ST2925B

LIQUID END WEIGHTS

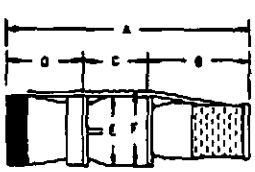
DESCRIPTION	WEIGHT LBS.	HP RATING	MOTOR FLANGE
ONE STAGE L.E.	59.3	30–60	6"
ONE STAGE L.E.			
ONE STAGE L.E.			
EACH ADDED STAGE	25.6	ALL	ALL

IMPELLER DATA

TYPE: ENCLOSED EYE AREA 8.19 Sq. In.
THRUST CONSTANT K 2.47 Lbs./Ft of HEAD.

HP	IMPELLER No.	STAGES	IMPELLER Dia.
60	M08288	8	5.38" @ 34' (4.31")
50	M01896	6	5.38" @ 20' (4.69")
~~40~~	~~M08290~~	~~5~~	~~5.38" @ 25' (4.56")~~
30	M08288	4	5.38" @ 34' (4.31")

OUTLINE DIMENSIONS



A– ONE STAGE LIQUID END LENGTH
B– SUCTION CONNECTION LENGTH
C– STAGE LENGTH
D– DISCHARGE CONNECTION LENGTH
E– BOWL DIAMETER
F– DIAMETER ACROSS LEAD GUARD

BOWL DATA

BOWL No. L06688 PUMP SHAFT Dia. 1"
TYPE: THREADED DISCHARGE SIZE 6"NPT(MALE)
5"NPT(FEMALE)

NOTE: For each additional stage add 'C'

A	B	C	D	E	F	HP RATING	MOTOR FLANGE
19.94	10.94	8.50	2.50	8.50	6.94	30–60	6"

ANR0314

DEPT OF FISH & GAME

PUMP CURVE PER WELL

37-0851 1

GROUNDWATER MEASUREMENT REQUIREMENT ANALYSIS

****

FILE: 37-08511
DATE: October 1998
BY: Satterlee

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8) \times (H.P.) \times (EFF.)}{TDH}$

Q = CFS
H.P. = Total Brake Horsepower of pumping plant (including booster)
EFF. = Pumping plant efficiency (ASSUME 70% OR 0.70)
TDH = total dynamic head = [(LIFT) + (PSI X 2.31)]
LIFT = depth to water in FEET from land surface to pumping water level
PSI = pumping pressure measured in psi near pump (if open discharge assume zero [0])

$$Q = \frac{(8.8)\ (40)\ (0.70)}{[\ (20) + (60 \times 2.31)\ ]} = \frac{246.4}{160.0} = 1.54 \text{ cfs}$$

LIFT FROM:
measurement ( )
owner ( )
area estimate (X)
well logs (X)
Booster (Y) (N)

PSI FROM:
measurement ( )
owner (X) KNOWLEDGE FROM RUNNING WELL 95 & 97
estimate ( )
owner gage ( )

NOTES ON PUMP:
Motor Make, Serial or ID
Pump Make, Serial or ID, rating

REMARKS

ANNUAL VOLUME ANALYSIS

POTENTIAL Acre Feet/Acre/Annum = $\frac{(\text{DAYS IN SEASON}) \times (1.98) \times (Q)}{(\text{RECOMMENDED ACRES IRRIGATED})}$

(season)	(days)
3/15 - 11/15	246
4/1 - 11/1	215
4/15 - 10/15	184
3/1 - 12/1	276

POTENTIAL = $\frac{(\quad) \times (1.98) \times (\quad)}{(\quad)}$

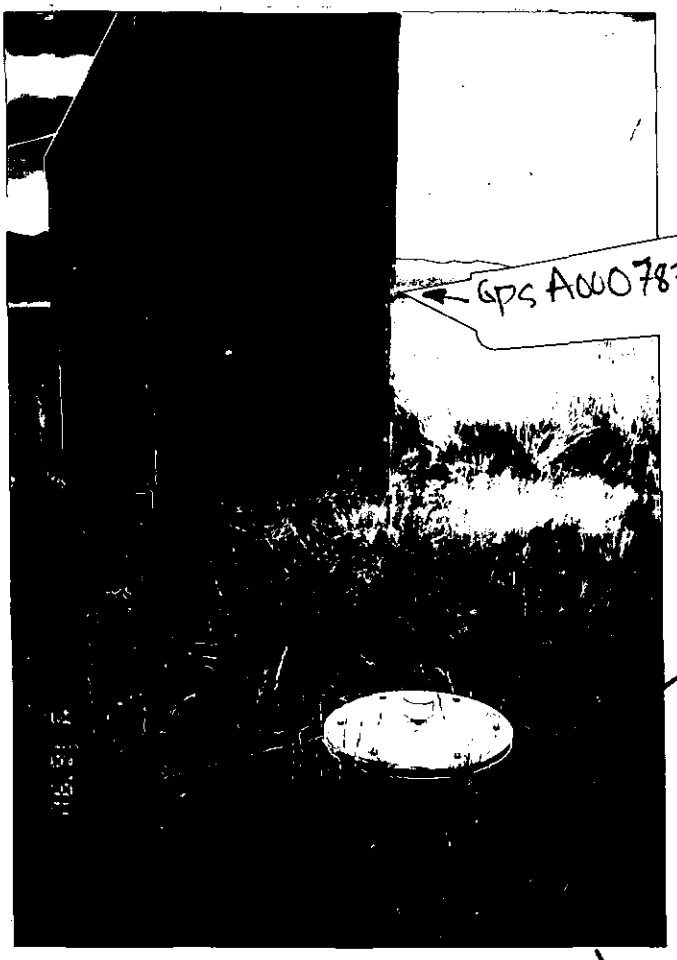
POTENTIAL =

REQUIRED Acre Feet/Acre/Annum =
(AF/Ann/Ac irrigation requirement from chart for area)
NOTE that this is NOT Consumptive use

IF POTENTIAL IS GREATER THAN REQUIRED THEN NO MEASUREMENT NECESSARY

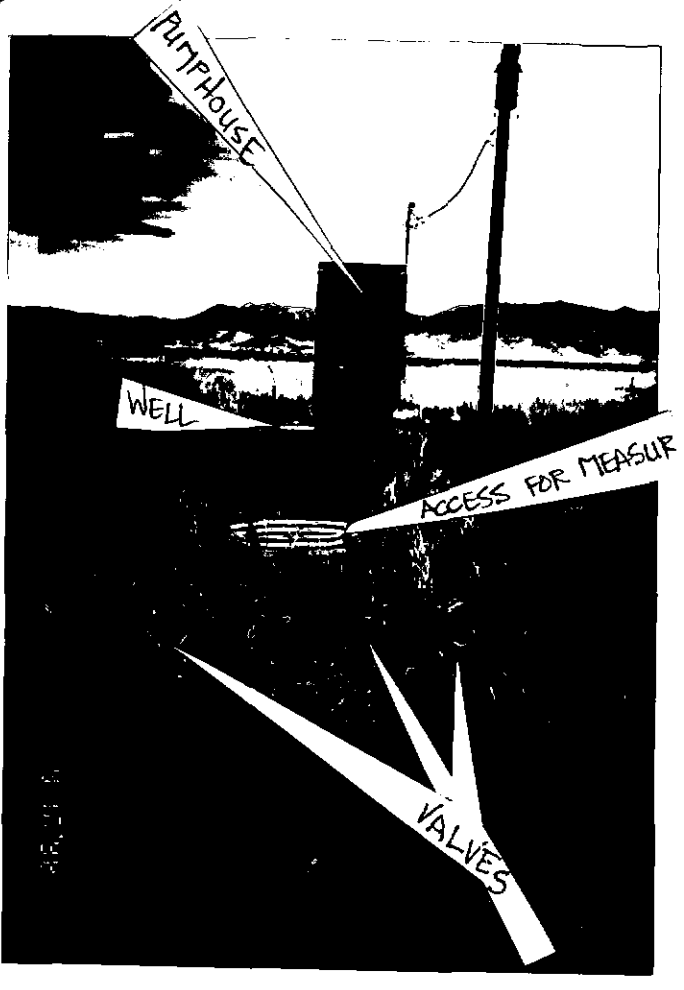
IF POTENTIAL IS LESS THAN REQUIRED THEN MEASUREMENT IS NECESSARY

1/1

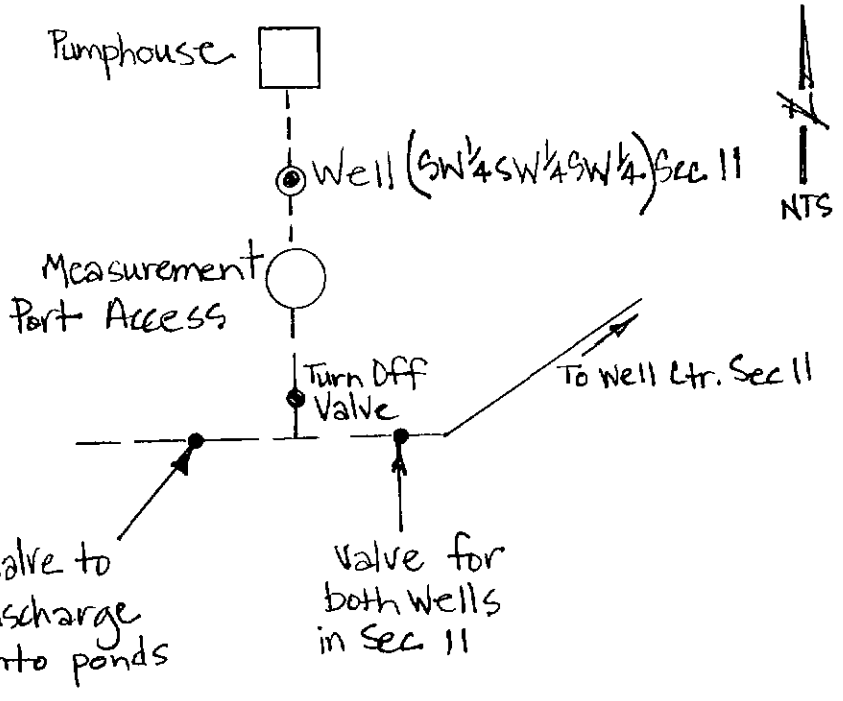


Information from pumphouse
40 HP Submersible 3PH

The angle irons exist because subsidence occurred after well construction



PHOTOS LOOKING N'LY



State of Idaho
Dept of Fish & Game
37-0851 1

37-08511

Date	kwh	kw	hrs	hrs/yr	af/yr
07/10/95	8	13	0.6		
08/09/95	93	30	3.1		
09/08/95	13291	30	443.0		
10/10/95	2175	30	72.5		
				519.2	42.91
08/20/97	8155	15	543.7		
09/19/97	4458	30	148.6		
10/20/97	1787	30	59.6		
				751.8	62.14

PRINT REQUESTED BY BRASS T REQUESTED AT 13:09 09/11/98

ACCT NO-- 2059-001207-0 NAME-- ID DEPT FISH & GAME RATE 24 PAE1
ACCT ST-- INACTIVE COAPP- % TERRY GREGORY TARIFF- PP SPEC ADDR- *
CON/DIS-- 11/10/97 LOCT-- 1085 W 600 S 8950 * CK-5
ACTIVITY- NONE PENDING CITY-- HILL CITY ID 83337
SUBPAGE (MTR-1) 1

METER NO	S	U	T	D	P	F-SCL	CONST	INS/RM/CHG	CURR	PREV	RT-ANNIV	RTE	SEQ	RC
935671366	D	1	2	5	1	96.0	00001	06/27/95	29967	29967	06/95	01	0820	5

	MRC	RCC	READ	DAYS	DEM-KW	BLC-KW	ENERGY-KWH	BILL AMT	RATE
01		BE	11/10/97	21	0	0	0	0.00	24
02	00	0	10/20/97	30	3	0	1,787	67.19	24
03	00	0	09/19/97	30	43	0	4,458	305.03	24
04	00	0	08/20/97	15	43	0	8,155	368.22	24
05		BE	08/05/97	00	0	0	0	0.00	24
06		BE	08/19/96	11	0	0	0	0.00	24
07	00	BE	08/08/96	30	0	0	0	0.00	24
08	00	BE	07/10/96	08	0	0	0	0.00	24
09		BE	07/02/96	00	0	0	0	0.00	24
10		BE	12/08/95	30	0	0	0	0.00	24
11	00	BE	11/08/95	30	0	0	0	0.00	24
12	00	0	10/10/95	30	3	0	2,175	81.78	24
13	00	0	09/08/95	30	44	0	13,291	629.87	24

TRAN CODE OR NAME/PHONE/ACCOUNT/SSN ENTER FOR SUBPAGE

PRINT REQUESTED BY BRASS T REQUESTED AT 13:09 09/11/98

ACCT NO-- 2059-001207-0 NAME-- ID DEPT FISH & GAME RATE 24 PAE1
ACCT ST-- INACTIVE COAPP- % TERRY GREGORY TARIFF- PP SPEC ADDR- *
CON/DIS-- 11/10/97 LOCT-- 1085 W 600 S 8950 * CK-5
ACTIVITY- NONE PENDING CITY-- HILL CITY ID 83337
SUBPAGE (MTR-1) 2

METER NO	S	U	T	D	P	F-SCL	CONST	INS/RM/CHG	CURR	PREV	RT-ANNIV	RTE	SEQ	RC
935671366	D	1	2	5	1	96.0	00001	06/27/95	29967	29967	06/95	01	0820	5

	MRC	RCC	READ	DAYS	DEM-KW	BLC-KW	ENERGY-KWH	BILL AMT	RATE
14	00	0	08/09/95	30	41	0	93	139.61	24
15	00	0	07/10/95	13	29	0	8	42.01	24
16		0	06/27/95	00	0	0	0	0.00	24

TRAN CODE OR NAME PHONE/ACCOUNT/SSN

E. NARRATIVE/REMARKS/COMMENTS

E. NARRATIVE/REMARKS/COMMENTS

FROM: Georgia Satterlee
DATE: 01 October 1998
RE: 37-08511,-08513,-08514

On 16 September 1998, I met with Terry Gregory, who oversees the Camas Prairie Centennial Marsh for the Department of Fish and Game. The permit allows numerous ponds to be filled from wells for wildlife habitat.

The well associated with 37-08511 is located SWSWSW¼ Section 11, T02S, R12E. Terry Gregory says,"...due to the high expense and the late rainy season, the well was not turned on in 1998". However he supplied power records. It appears the well was mostly used in 1995 and in 1997.

The field examination verified 17 ponds (15 small ponds consistent in size and 2 other ponds irregular shaped). The well(s) discharge into a mainline, which then divert into laterals, dumping into ditches that lead into the ponds.

Recommendation for the capacity volume are from actual measurements of all the ponds. A theoretical calculation and a pump curve record shows the capacity of well above permitted rate. Recommend diversion rate as permitted.

<u>"SURFACE" RIGHT 37-08526:</u>

The ponds are excavated below the water table. The permit 37-08526 allows the ponds to be filled, when available, from the high groundwater supply. The accumalative volume when combining 37-08511,-08513,-08514 is 144 acre feet. The volume permitted for 37-08526 is 220 acre feet.

Have conditions of permit approval been met? X yes ___ no

F. FLOW CALCULATIONS

Measured Method:

√ Additional Computation Sheets Attached

√ PUMP CURVE
√ THEORETICAL

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.}$ = (Acres Irrigated) x (Irrigation Requirement) = _____

$V_{D.R.}$ = [Diversion Rate (cfs)] x (Days in Irrigation Season) x 1.9835 = _____

V = Smaller of $V_{I.R.}$ and $V_{D.R.}$ = _____

2. Volume Calculations for Other Uses:

EXAM FEE LIMIT	1.00 cfs
PERMIT RATE	1.00 "
PUMP CURVE	1.33 "
~~THEORETICAL~~	1.54 "
RECOMMENDED	1.00 cfs

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use From	Period of Use To	Rate of Diversion Q (cfs)	ALL PONDS CAPACITY ~~Annual Volume V (afa)~~
WILDLIFE STORAGE	5/1	11/15		144 ac ft
WILDLIFE	"	"	1.00	
		Totals:	1.00	144 ac ft

2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above ___ None
X Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

Field Examiner's Name Georgia Satterlee Date 29 Sept 1998

Reviewer _____ Date _____ SEAL

PERMIT NUMBER	OWNER CODE	NAME & ADDRESS	TWP	RGE	SEC	TRACT	LOT	COUNTY	ACC FLG
37-93-C-0103-000	O	STATE OF IDAHO DEPT OF FISH & GAME PO BOX 25 600 S WALNUT ST BOISE, ID 83720 (208) 334-3730	02S	12E	11	SW SW SW		CAMAS	

Did Not Find Well Log GLS (Sept-98')

Subdivision Well Site Location and Description:
Subdivision Name:
Well Site Address: 3 MILES SOUTH 2 MILES EAST
City, State: HILL CITY, ID

Lot(s):
Block(s):

Geographic Location:
GPS Site ID:
Lat: : : N
Long: : : W
Accuracy Code:

Proposed Use of Well: Other Proposed Casing Diameter: 12 In. Proposed Depth: 200 Ft.
Anticipated Bottom Hole Temperature: 85F or Less

Well Use Comments: PERMIT STATES: WILDLIFE HABITAT
LOG STATES: IRRIGATION WELL

Driller License No: 0417
Firm Name: KNIE WELL DRILLING
Official: MIKE KNIE

Permit Status: Permit

Verbal Issue Date:
Date Received: 07/12/1993
Date Approved: 07/13/1993
Proposed Start Date: 07/12/1993
Extension Date:
Extension Expiration:

Receipt No.	Receipt Date	Fee
C028114	07/12/1993	$ 200.00
	NOT ON FLE	
	NOT ON FLE	
	NOT ON FLE	
	NOT ON FLE	

Specific Conditions: 11. IF ARTESIAN AQUIFERS ARE ENCOUNTERED, PRECAUTIONS SHALL BE TAKEN TO ENSURE THAT FLUIDS FROM THESE AQUIFERS ARE NOT ALLOWED TO MIGRATE OR COMMINGLE WITH AQUIFERS OF SIGNIFICANTLY DIFFERENT HYDROSTATIC PRESSURE, TEMPERATURE OR WATER QUALITY.

Comments: No Comments Found

- WELL DRILLER'S LOG REPORT -

Drilling Permit No: 37-93-C-0103-000 Water Right No: 37-08511
Log Status: Injection Permit No:

Nature of Work: NEW WELL Construction Method: AIR ROTARY Number of Monitor Wells:

WELL DRILLER'S LOG REPORT: Permit No. 37-93-C-0103-000 (cont'd)

Casing Diameter:	12	In.	Static Water Level:	20	Ft.	Actual Start Date:	
Depth of Casing:	99	Ft.	Temperature:		F.	Well Finish Date:	10/08/1993
Total Depth:	325	Ft.	Production Rate:	3.00	GPM	Log Received Date:	02/08/1994
Screen Installed?	No					Certification Date:	10/15/1993
						Field Inspection Date:	Inspector:

Violation Flag:

Well Log Remarks: NO START DATE SHOWN ON THIS LOG.
SURFACE SEAL 100 FT. BENTONITE USED, OVERBORE METHOD.
DRILLER COMMENTS: WILL ABANDON AT TOP OF WELL REPORT.

- AUDIT INFORMATION -

Water Right Number - 37-08511 Prefix Translation: WATER RIGHT Old (D) Number -

*** C - CURRENT OWNER ***
STATE OF IDAHO

1 - DEPT OF FISH & GAME
2 - PO BOX 25
3 -
City- BOISE State- ID Zip- 83707
Phone - 208-334-3730

Priority Date: 06/06/1989
Region: 17 SOUTHERN
Stage: P - PERMIT
Status:
Source: GROUNDWATER
Tributary:

Point of Diversion

Twn	Rng	Sec	Tract	Lot	RFlg	County	Diversion Name	Diversion Rate	Diversion No.
02S	12E	11	SW SW SW			(25) CAMAS			

Water Use

Code	Description	Period From	Period To	Diversion Rate	Diversion Volume
16	WILDLIFE	05/01	11/15	1.000	

Total Div. Rate: 1.000
Total Div. Volume:
Total Div. Capacity:
Total Consumptive Use: 0.0
KW Usage:

Place of Use

Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
02S	12E	10	NE NE			16	WILDLIFE	(25) CAMAS
02S	12E	10	NW NE			16	WILDLIFE	(25) CAMAS
02S	12E	10	SW NE			16	WILDLIFE	(25) CAMAS
02S	12E	10	SE NE			16	WILDLIFE	(25) CAMAS
02S	12E	10	NE NW			16	WILDLIFE	(25) CAMAS
02S	12E	10	NW NW			16	WILDLIFE	(25) CAMAS
02S	12E	10	SW NW			16	WILDLIFE	(25) CAMAS
02S	12E	10	SE NW			16	WILDLIFE	(25) CAMAS
02S	12E	10	NE SW			16	WILDLIFE	(25) CAMAS
02S	12E	10	NW SW			16	WILDLIFE	(25) CAMAS
02S	12E	10	SW SW			16	WILDLIFE	(25) CAMAS
02S	12E	10	SE SW			16	WILDLIFE	(25) CAMAS
02S	12E	10	NE SE			16	WILDLIFE	(25) CAMAS
02S	12E	10	NW SE			16	WILDLIFE	(25) CAMAS
02S	12E	10	SW SE			16	WILDLIFE	(25) CAMAS
02S	12E	10	SE SE			16	WILDLIFE	(25) CAMAS
02S	12E	11	NE NE			16	WILDLIFE	(25) CAMAS
02S	12E	11	NW NE			16	WILDLIFE	(25) CAMAS
02S	12E	11	SW NE			16	WILDLIFE	(25) CAMAS
02S	12E	11	SE NE			16	WILDLIFE	(25) CAMAS
02S	12E	11	NE NW			16	WILDLIFE	(25) CAMAS

Water right number - 37-08511 Prefix Translation: WATER RIGHT

Place of Use

Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
02S	12E	11	NW NW			16	WILDLIFE	(25) CAMAS
02S	12E	11	SW NW			16	WILDLIFE	(25) CAMAS
02S	12E	11	SE NW			16	WILDLIFE	(25) CAMAS
02S	12E	11	NE SW			16	WILDLIFE	(25) CAMAS
02S	12E	11	NW SW			16	WILDLIFE	(25) CAMAS
02S	12E	11	SW SW			16	WILDLIFE	(25) CAMAS
02S	12E	11	SE SW			16	WILDLIFE	(25) CAMAS
02S	12E	11	NE SE			16	WILDLIFE	(25) CAMAS
02S	12E	11	NW SE			16	WILDLIFE	(25) CAMAS
02S	12E	11	SW SE			16	WILDLIFE	(25) CAMAS

Diversion Means -

Non-Irrigation Use -

Other Rights for Same Use -

Remarks

GEN NO PONDS SHALL BE DEVELOPED IN AN AREA WHERE THERE IS A DISCERNIBLE & DEFINED CHANNEL OF CAMAS CREEK OR A TRIBUTARY THEREOF. NO NEW BANKS OF DIKES WILL BE CREATED WHICH WILL IMPOUND RUN-OFF WATER ABOVE THE EXISTING GROUND LEVEL. THIS CONDITION DOES APPLY TO PONDS FILLED FROM GROUNDWATER SOURCES. PONDS CANNOT RETAIN WATER ABOVE THE ELEVATION OF THE NATURAL LAND SURFACE. DIVERSION OF WATER UNDER THIS PERMIT MAY, IN THE FUTURE, BE SUBJECT TO THE CONTROL OF THE WATERMASTER OF DISTRICT #37, BIG WOOD RIVER, IF THE DEPT. DETERMINES THAT WATER DIVERTED MUST BE REGULATED TO PROTECT PRIOR RIGHTS. ANY LICENSE ISSUED BY IDWR PURSUANT TO THE PERMIT OR PORTION THEREOF FOR THE USE OF TRUST WATER IS SUBJECT TO A TERM REVIEW OF 20 YEARS AFTER THE DATE OF THIS APPROVAL TO DETERMINE THE AVAILABILITY OF WATER FOR THE USE & TO RE-EVALUATE THE PUBLIC INTEREST AT THE END OF THE TERM. DIVERSION & USE OF WATER UNDER THIS PERMIT IS SUBJECT TO AN ANNUAL USE FEE IF RULES ARE SUBSEQUENTLY PROMULGATED WHICH PROVIDE FOR THE SUBMITTAL OF THE FEE.

Old Water Right Numbers

No Old Water Right Numbers found.

Conditions of Approval

016 - See remarks for additional conditions of approval.

Decree Plaintiff

Decree Defendant

Decree Date

00/00/0000

Water right number - 37-08511 Prefix Translation: WATER RIGHT

-Comments-

Date: 06/12/1995 User Id: VAULT Subject: Lapse Notice Sent
Lapse Notice Sent
Date: 07/06/1995 User Id: VAULT Subject: Proof of Beneficial Use Rcvd
Proof of Beneficial Use Rcvd

Audit Fields - 05/31/89 BALDWIN 08/10/89 BALDWIN 08/28/89 CURTIS 06/12/90 CURTIS 01/19/92 POST-STD
06/12/95 COMMENTS 07/06/95 COMMENTS 09/25/95 JYARBROU 09/28/95 JYARBROU 02/08/98 CLEARFLD

Water Rights Dates and Flags Area

Proof Due Date	- 06/01/1995	Field Exam Made	- 00/00/0000	Field Exam Fee	- R
Approved/Denied	- 06/06/1990	Protested Date	- 00/00/0000	Swan Falls	- W
Proof Made Date	- 07/05/1995	Hearing Date	- 00/00/0000	Temporary Right	- P
Exam to S.O. Date	- 00/00/0000	Verified Date	- 00/00/0000	DLE/Carey Act	-
Order Show Cause	- 00/00/0000	Receipt Number	- S018259	Water District	-
Licensed Date	- 00/00/0000	Appl Received	- 05/03/1989	Transfer/Amended	-
Presumption Flag	-	Name Connector	-	POU Ownership Flag	- Y
SRBA Decreed Flag	-				

ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE

Permit No. 37-08511 Reviewed by [signature] Date 9-25-95

GENERAL CONSIDERATIONS

Yes Name same as permit?
Yes Address same as permit?
no Proof timely received? Correct Uses? Yes
If not, complete calculation below.

TYPES OF USE

Wildlife

SOURCE OF WATER

_____ Surface water source
✓ Ground water source
Yes Drilling permit required?
Yes Copy in the file? Drilling Permit No. 37-93-C-0103-000
200.00 Amount paid for permit Yes Correct?
Yes Well log in the file?

LICENSE EXAMINATION FEE

Yes Required?
100.00 Amount Submitted
Yes Correct?

MEASURING DEVICE

no Required?
_____ Installed?
_____ Waiver requested?

PRIORITY CALCULATION

Date proof received	7-5-95	186
Date proof due	6-1-95	- 152
No. of days late		= 34
Priority Date	5-3-89	+ 123
New Priority Date	6-6-89	157

> 6/6/89

DEFICIENCIES OR ACTION ITEMS

Reinstate + advance priority to June 6, 1989.
Proof acceptable

DATA ENTRY

New Address _____ Proof Made 7/5/95

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

September 26, 1995

ID DEPT OF FISH & GAME
P O BOX 25
BOISE ID 83707

PROOF ACKNOWLEDGEMENT LETTER

RE: PERMIT NO. 37-08511

Dear Permit Holder:

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

Enclosed is an order reinstating your permit since proof of beneficial use was received after the proof due date. Please note that the priority date has been advanced to June 6, 1989.

The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

If you have questions concerning the field examination, please feel free to contact the SOUTHERN Regional Office in Twin Falls at (208) 736-3033.

Sincerely,

Julie L. Yarbrough

JULIE L. YARBROUGH
Senior Secretary

Enclosure

c: IDWR - Region

MICROFILMED
OCT 03 1995

IDAHO FISH & GAME
600 South Walnut / Box 25
Boise, Idaho 83707-0025

Phil Batt / Governor
Jerry M. Conley / Director

RECEIVED
JUL 6 1995
Department of Water Resources

June 28, 1995

Idaho Department of Water Resources
Southern Region
222 Shoshone St. East
Twin Falls, ID 83301

Re: Proof of Beneficial Use Form and Fee

Enclosed is the Proof of Beneficial Use Form and $100 fee (warrant #153996) for permit No. 37-8511.

If you have any questions, please call me at 208/334-3730.

Sincerely,

Philip G. Jeppson
Chief, Bureau of Engineering

PGJ:rl

Enc.

OCT 03 1995

WARNING

CANCELLED OR LAPSED

This permit has been officially CANCELLED or LAPSED.

Ninety days following the date of official action this file will be DESTROYED.

June 12, 1995

STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83707

LAPSE NOTICE

RE: PERMIT NO. 37-08511

Dear Permit Holder:

You are hereby notified that under the provisions of Section 42-218A, Idaho Code, the above referenced permit has lapsed and is of no further force nor effect. The department provided the proper forms to you in our proof due notice dated March 31, 1995. No further construction or additional development is authorized under this permit unless it is reinstated.

The permit can only be reinstated if you submit an acceptable proof of beneficial use or an acceptable request for extension of time to the department within sixty (60) days of the mailing of this lapse notice. An acceptable proof of beneficial use submittal must include the examination fee or a completed field examination report. A request for extension of time must be accompanied by a fifty dollar ($50.00) fee.

Enclosed again for your use are a proof of beneficial use form and a request for extension of time form. Please note that only one extension of time can be granted unless the project has not been completed because of lack of a necessary approval by a government agency or by litigation which may bring title to the water in question.

L. GLEN SAXTON
Chief, Water Allocation Bureau

Enclosures

Enclosures

RECEIVED
OCT 03 1995

CERTIFICATION OF MAILING

I hereby certify that on 6-12-95 a copy/an original of this document was deposited in the United States mail, postage prepaid addressed to the individual(s) named above.

March 31, 1995

STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83707

PROOF DUE NOTICE

RE: PERMIT NO. 37-08511

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before June 1, 1995. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

JULIE L. YARBROUGH
Senior Secretary

Enclosures

OCT 03 1995

CERTIFIED MAIL
NO. 141972

Form 238-7
6/93

RECEIVED
FEB 10 1994 KT

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

will Abandoned

1. DRILLING PERMIT NO. 37-93-C-0103-000
Other IDWR No. 37-08511

2. OWNER:
Name Idaho Fish & Game
Address Sentinal Road
City Hill City State Id Zip 83337

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

T. 2 S North ☐ or South ☒
R. 11 E East ☒ or West ☐
Sec. 11, SW 1/4 (10 acres) SW 1/4 (40 acres) ____ 1/4 (160 acres)
Gov't Lot ____ County Camas

Address of Well Site 3 miles South 2 miles EAST Hill City ID
(Give at least Direction + Distance to Road or Landmark)

Lot No. ____ Block No. ____ Subd. Name ____

4. PROPOSED USE:
☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	100	48	Over Bore

Was drive shoe seal tested? Yes ☐ No ☒ How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Casting	Liner	Steel	Plastic	Welded	Threaded
12	+1	99	250	X		☒	☐	☒	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

Final location of shoes ____
Top Packer or Headpipe ____ Bottom Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Type ____ Material ____

From	To	Slot Size	Number	Diameter	Tele/Pipe Size	Casting	Liner
						☐	☐
						☐	☐
						☐	☐

OCT 03 1995

10. WELL TESTS:
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Depth	Time
3	260	260	

Temperature of water ____ Was a water analysis done? Yes ☐ No ☐
By whom? ____
Water Quality (odor, etc.) ____
Bottom Hole Temperature ____

11. STATIC WATER LEVEL:
20 ft. below surface Depth artesian flow found ____
Artesian pressure ____ lb. Describe access port ____
Describe Controlling Devices: Well Cap

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	GPM	SWL
17	0	20	CLAY		
14	20	40	SAND CLAY	30	
14	40	80	Blue CLAY		
14	80	90	BLACK SAND	30	
14	90	100	Blue CLAY		
12	100	105	Broken LAVA	60	
12	105	140	LAVA		
12	140	145	Red CINDER		
12	145	150	LAVA		
12	150	155	Red CINDER		
12	155	160	LAVA		
12	160	230	Harder LAVA		
12	230	235	CREVIS LAVA		
12	235	245	Fell in LAVA		
12	245	285	Harder LAVA		
12	285	300	Loose LAVA (green)		
12	300	315	Drilled FAST LAVA		
12	315	318	Hard LAVA		
12	318	325	Brown SAND	300	

RECEIVED
FEB 08 1994
WATER RESOURCES
WESTERN REGION

Date: Started ____ Completed 10-8-93

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name KNIC Well Drilling Firm No. 417
Firm Official Mike Knic Date ____
and
Supervisor or Operator Rod Ransom Date 10-15-93
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 235-1 (6/93)

Drilling Permit No. 37-93-C-0103-000
Water Right Permit No. 37-8511
Injection Permit No. _____

WELL DRILLER: PLEASE COMPLETE FOR VERBALS
IDWR Employee Issuing Verbal: _____
Verbal Issued Date: _____ Time: _____

State of Idaho
Department of Water Resources

APPLICATION FOR DRILLING PERMIT

1. **Applicant (please print):** Idaho Dept. of Fish & Game

2. **Mailing Address:** 600 South Walnut ST. P.O. Box 25, Boise ID 83707

City & State Boise ID Zip Code 83707 Telephone 334-3730

[X] Well Owner [ ] Well Operator [ ] Contractor or Other, specify _____

3. **Proposed Well Location:** Twp. 2S, Rge. 12E, Sec. 11, SW SW 1/4 SW 1/4

Gov't Lot No. _____ County Camas

Street Address of Well Site 3 miles South 2 miles East of Hill City

Lot, block and subdivision _____

4. **Proposed Use of Well:**

[ ] DOMESTIC: The use of water for homes, organization camps, public campgrounds, livestock (1,000 head or less) and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

NON-DOMESTIC: [ ] Irrigation [ ] Municipal [ ] Industrial
[ ] Stock [ ] Test [X] Other wild life habitat
(Over 1,000 Head) (Describe)

[ ] INJECTION

[ ] MONITORING: A well bore schematic and map is required for each blanket permit.
No. of proposed wells: _____

5. **Well Construction Information:**

A. [X] New well [ ] Modify (Deepen or Enlarge) [ ] Replace - See Condition 9

B. Proposed Casing Diameter 12 Proposed Maximum Depth 200

C. Anticipated bottom hole temperature:

[X] 85°F or less (Cold Water Well) [ ] 85°F to 212°F (Low Temp. Geo. Well) [ ] 212° F. or more (Geothermal Well)

JUL 1995

6. **Construction Start Date:** 7-12-93

7. **Anticipated Well Driller:** Knie Well Drilling Driller's Lic. No. 417
NOTE: The actual well driller must be identified prior to drilling.

8. **Applicant's Signature** Mike Knie Date 7-12-93

Title Knie Well Drilling

ACTION OF THE DEPARTMENT OF WATER RESOURCES

This Permit is Approved. Date July 13, 1993.

If approved, this permit authorizes the constuction or modification of a well subject to the following conditions. READ CAREFULLY!

GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.
2. This drilling permit is valid for two (2) months from the above approval date for the start of construction and is valid for one (1) year from the approval date for completion of the well unless an extension has been granted.
3. This permit does not constitute an approval of the District Health Department or the Idaho Department of Health and Welfare which may be required before construction of this well.
4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
5. Approval of this drilling permit does not authorize trespass on the land of another party.
6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.
7. This drilling permit does not represent a right to divert and use the water of the State of Idaho.
8. If a bottom hole temperature of 85° or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the Department immediately.
9. If this permit is for a replacement well, the well being replaced must be abandoned in accordance with Department Rules and Regulations.

SPECIFIC CONDITIONS:

11. If artesian aquifers are encountered, precautions will be taken to ensure that fluids from these aquifers are not allowed to migrate or commingle with aquifers of significantly different hydrostatic pressure, temperature or water quality.

RECEIVED
OCT 03 1995

Signature of Authorized Department Representative: Betty D. Fleenor

Title: Chief, Resource Protection Bureau

Receipt No. C028114 Receipted by jpe Fee 200.00 Date 7/12/93

EXTENSION OF DRILLING PERMIT

Extension approved by _____ Approval Date _____

This extension expires: _____

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

June 11, 1990

Steve Goddard
Box 25
Boise, ID 83707

RE: Permits Nos. 37-8511, 37-8513, 37-8514 and 37-8526

Dear Mr. Goddard:

Please find enclosed a copy of the Order Adopting Proposed Memorandum Decision and Order and a copy of Applications for Permit Nos. 37-8511, 37-8513, 37-8514 and 37-8526.

Any party who disagrees with the decision of the Director may request a rehearing before the Director within twenty (20) days or may appeal to the district court within thirty (30) days from the date this decision is mailed.

Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

Enclosure

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

June 11, 1990

Gwinn Rice
Box 131
Hill City, ID 83337

RE: Permits Nos. 37-8511, 37-8513, 37-8514 and 37-8526

Dear Mr. Rice:

Please find enclosed a copy of the Order Adopting Proposed Memorandum Decision and Order and a copy of Applications for Permit Nos. 37-8511, 37-8513, 37-8514 and 37-8526.

Any party who disagrees with the decision of the Director may request a rehearing before the Director within twenty (20) days or may appeal to the district court within thirty (30) days from the date this decision is mailed.

Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

Enclosure

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

June 11, 1990

Cecil D. Hobdey
125 Fifth Avenue West
P.O. Box 176
Gooding, ID 83330

RE: Permits Nos. 37-8511, 37-8513, 37-8514 and 37-8526

Dear Mr. Hobdey:

Please find enclosed a copy of the Order Adopting Proposed Memorandum Decision and Order and a copy of Applications for Permit Nos. 37-8511, 37-8513, 37-8514 and 37-8526.

Any party who disagrees with the decision of the Director may request a rehearing before the Director within twenty (20) days or may appeal to the district court within thirty (30) days from the date this decision is mailed.

Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

Enclosure

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

June 11, 1990

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

RE: Permits Nos. 37-8511, 37-8513, 37-8514 and 37-8526

Dear Mr. Arkoosh:

Please find enclosed a copy of the Order Adopting Proposed Memorandum Decision and Order and a copy of Applications for Permit Nos. 37-8511, 37-8513, 37-8514 and 37-8526.

Any party who disagrees with the decision of the Director may request a rehearing before the Director within twenty (20) days or may appeal to the district court within thirty (30) days from the date this decision is mailed.

Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

Enclosure

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 18, 1990

Steve Goddard
Box 25
Boise, ID 83707

RE: Applications to Appropriate Water Nos. 37-08511, 37-08513, 37-08514 and 37-08526 in the Name of the Idaho Department of Fish and Game

Dear Mr. Goddard:

Please find enclosed a copy of the Proposed Memorandum Decision and Order and Order Issuing Proposed Memorandum Decision for the above referenced applications.

Any party who disagrees with the Proposed Decision may file exceptions to the decision within fifteen (15) days of service of the Proposed Decision.

Respectfully,

GARY SPACKMAN, Manager
Water Right Permits Section

GS:JS

Enclosure

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 18, 1990

John Arkoosh
Attorney at Law
P.O. Box 32
Gooding, ID 83330

RE: Applications to Appropriate Water Nos. 37-08511, 37-08513, 37-08514 and 37-08526 in the Name of the Idaho Department of Fish and Game

Dear Mr. Arkoosh:

Please find enclosed a copy of the Proposed Memorandum Decision and Order and Order Issuing Proposed Memorandum Decision for the above referenced applications.

Any party who disagrees with the Proposed Decision may file exceptions to the decision within fifteen (15) days of service of the Proposed Decision.

Respectfully,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:JS

Enclosure

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 18, 1990

Cecil D. Hobdey
125 Fifth Avenue West
P.O. Box 176
Gooding, ID 83330

RE: Applications to Appropriate Water Nos. 37-08511, 37-08513, 37-08514 and 37-08526 in the Name of the Idaho Department of Fish and Game

Dear Mr. Hobdey:

Please find enclosed a copy of the Proposed Memorandum Decision and Order and Order Issuing Proposed Memorandum Decision for the above referenced applications.

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Respectfully,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:JS

Enclosure

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 18, 1990

Gwinn Rice
Box 131
Hill City, ID 83337

RE: Applications to Appropriate Water Nos. 37-08511, 37-08513, 37-08514 and 37-08526 in the Name of the Idaho Department of Fish and Game

Dear Mr. Rice:

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Any party who disagrees with the Proposed Decision may file exceptions to the decision within fifteen (15) days of service of the Proposed Decision.

Respectfully,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:JS

Enclosure

UNOFFICIAL FILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 11, 1990

John Arkoosh
Attorney at Law
P.O. Box 32
Gooding, ID 83330

Dear Mr. Arkoosh:

John Arkoosh has represented to me that his client, Mr. Barron, owns an interest in water right no. 37-02801. Enclosed is a summary of the water right as contained in the records of the Department of Water Resources.

Please note that the water right has been split into two pieces by prior transfers. Apparently Rocco Perry, and Perry's predecessor, Ernest Wilson, owned a portion of the water right. The only component of the water right that changed was the point of diversion.

I intend to use the information about the respective points of diversion and the place of use for right no. 37-02801 in reaching a decision regarding Fish & Game applications to appropriate water nos. 37-08511, 37-08513, 37-085114 and 37-08526.

Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

Enclosure

RECEIVED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 11, 1990

Gwinn Rice
Box 131
Hill City, ID 83337

Dear Mr. Rice:

John Arkoosh has represented to me that his client, Mr. Barron, owns an interest in water right no. 37-02801. Enclosed is a summary of the water right as contained in the records of the Department of Water Resources.

Please note that the water right has been split into two pieces by prior transfers. Apparently Rocco Perry, and Perry's predecessor, Ernest Wilson, owned a portion of the water right. The only component of the water right that changed was the point of diversion.

I intend to use the information about the respective points of diversion and the place of use for right no. 37-02801 in reaching a decision regarding Fish & Game applications to appropriate water nos. 37-08511, 37-08513, 37-085114 and 37-08526.

Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

Enclosure

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JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 11, 1990

Steve Goddard, Attorney at Law
Box 25
Boise, ID 83707

Dear Mr. Goddard:

John Arkoosh has represented to me that his client, Mr. Barron, owns an interest in water right no. 37-02801. Enclosed is a summary of the water right as contained in the records of the Department of Water Resources.

Please note that the water right has been split into two pieces by prior transfers. Apparently Rocco Perry, and Perry's predecessor, Ernest Wilson, owned a portion of the water right. The only component of the water right that changed was the point of diversion.

I intend to use the information about the respective points of diversion and the place of use for right no. 37-02801 in reaching a decision regarding Fish & Game applications to appropriate water nos. 37-08511, 37-08513, 37-085114 and 37-08526.

Sincerely,

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1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 11, 1990

Cecil Hobdey
125 Fifth Avenue West
P.O. Box 176
Gooding, ID 83330

Dear Mr. Hobdey:

John Arkoosh has represented to me that his client, Mr. Barron, owns an interest in water right no. 37-02801. Enclosed is a summary of the water right as contained in the records of the Department of Water Resources.

Please note that the water right has been split into two pieces by prior transfers. Apparently Rocco Perry, and Perry's predecessor, Ernest Wilson, owned a portion of the water right. The only component of the water right that changed was the point of diversion.

I intend to use the information about the respective points of diversion and the place of use for right no. 37-02801 in reaching a decision regarding Fish & Game applications to appropriate water nos. 37-08511, 37-08513, 37-085114 and 37-08526.

Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

Enclosure

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JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

April 5, 1990

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

RE: Applications to Appropriate Water Nos. 37-08511, 37-08513, 37-08514, 37-08526; in the Name of the Idaho State Fish and Game Department

Dear John:

In the testimony presented at the hearing and in your post hearing brief you referred to a water right in which your client, Mr. Barrons, owns a property interest. The water is not identified.

This letter is a request that you identify the water right by water right number. Upon receipt of the information, I will distribute an abstract of the water right to the parties. I do not view this information as giving rise to a factual dispute requiring additional testimony.

Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

cc. Steve Goddard
Gwinn Rice

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JUN 20 1990

JOHN C. ARKOOSH
ATTORNEY AT LAW
116 FOURTH AVENUE WEST
P.O. BOX 32
GOODING, IDAHO 83330
(208) 934-8401

March 13, 1990

RECEIVED
MAR 14 1990
Department of Water Resources

Mr. Gary Spackman
Department of Water Resources
1301 North Orchard
Boise, Idaho 83720

Re: Post Hearing Brief Fish and Game Water Applications

Dear Gary,

Please find enclosed the original of my Post Hearing Brief which I am lodging on behalf of Mr. Barron. I have previously faxed a copy of this to you.

If you have any questions or problems, please feel free to contact me.

Sincerely yours,

John C. Arkoosh

JCA\slb
cc. Lee Barron
Gwen Rice
Cecil Hobdey
Steve Goddard

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JUN 20 1990

JOHN C. ARKOOSH
Attorney at Law
116 4th Ave. W.
P.O. Box 32
Gooding, Idaho 83330
(208) 934-8401

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF

STATE OF IDAHO

RECEIVED
MAR 14 1990
Department of Water Resources

IN THE MATTER OF APPLICATIONS FOR PERMITS TO APPROPRIATE WATER NOS. 37-8511, 37-8513, 37-8514 AND 37-8526 IN THE NAME OF THE IDAHO STATE FISH AND GAME DEPARTMENT	BRIEF OF PROTESTANT LEE BARRON
Idaho Department of Fish and Game Applicant Big Wood Canal Company, Lee Barron Gwen Rice Protestants	

The following is submitted as a post hearing brief on behalf of Protestant, Lee Barron, as concerns the above referenced applications for permits to appropriate water.

FACTS

A. The Idaho Department of Fish and Game (hereinafter "Fish and Game" or "the Department") has filed four applications for permits to appropriate water in this matter as follows:

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1. Application for Permit Number 37-8526 is an application to use 220 acre-feet of water per annum for Wildlife Storage from January 1 of each year through December 31. The application states that the source of the water is "ground water, i.e., ponds will be excavated below the water table using the water table for the water supply." The application is not technically one for "ground water" as defined by Idaho Code 42-230, which states that "ground water" is all water under the surface of the ground whatever may be the geological structure in which it is standing or moving." The application is one to appropriate diffuse surface waters. The application goes on to state that:

> "The total of the 220 acre-feet of storage will be during runoff when the excavated ponds are full. As the water table drops, the storage volume will also drop unless a stream water right or pumped groundwater water right is utilized to keep the ponds full. The storage will include up to 40 each excavated ponds with surface areas of 2 acres each, maximum, We believe a surface water right to fill the excavated ponds is not required because <u>diffused surface waters</u> will be collected." (emphasis added)

The application goes on to state that the location of the point of diversion for the proposed right will be all of Sections 2, 3, 10, & 11, T2S, R12EBM, Camas County. The place of use will be 40 ponds as described in the application located within Sections 2, 3, 1, & 11. The application has a map showing the approximate pond locations. The final siting of the ponds was "to be determined by July 1, 1939". No evidence was presented at the hearing in this matter as to the final location of these ponds.

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This application also states that the wildlife benefits of the application to "provide nesting and rearing habitat for migratory waterfowl."

This application will hereinafter be referred to as the "Pond application."

2. Applications for Permits Numbers 37-8511, 37-8513, and 37-8514 are to divert 1 cfs and/or 390 acre feet per annum each from ground water for Wildlife Habitat purposes from May 1 through November 15 of each year. Evidence at the hearing in this matter, however, indicates that this usage would only be in late summer of each year starting sometime, perhaps in July and going on into August and September. Each of these applications proposes an approximate 14 inch in diameter well with an approximate depth of 300 feet. Each of these applications state that "An approx. 25 hp vertical turbine pump would be used with a combination of open ditches and piping to convey the water to ponds.

Application Number 37-8511 shows a diversion point located in the SW1/4SW1/4SW1/4, Section 11, T2S, R12EBM, Camas County, Idaho. It shows the place of use being all of Section 10 and all but 40 acres of Section 11, T2S, R12EBM.

Application Number 37-8513 shows a diversion point located in the NE1/4NW1/4NE1/4, Section 3, T2S, R12EBM, Camas County, Idaho. It shows the place of use being all of Sections 2 & 3, T2S, R12EMB.

Application Number 37-8514 shows a diversion point located in the SE1/4SE1/4NW1/4, Section 11, T2S, R12EMB, Camas County, Idaho. It shows the place of use being all but 40 acres of Section 11,

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T2S, R12EMB.

Each of these applications states that the water right "will be used to fill excavated, shallow ponds after the water table starts to lower. The wildlife benefits provided by these applications will be "nesting, rearing and feeding habitat for migratory waterfowl."

These three applications will hereinafter be referred to as the "Well applications".

B. The evidence presented at the hearing on the above applications indicates a scheme or plan whereby Fish and Game proposes to construct forty pond an acre in size or larger on its Centennial Marsh property located on Camas Prairie, Camas County, Idaho (hereinafter "Marsh"). The Centennial Marsh is located on Camas Creek. Camas Creek flows into the Marsh and flows out of the marsh, down stream, into the Creek at a the Wolfe culvert. The Marsh itself is very flat in topography, as indicated by Fish and Game Exhibit "2" which is a topographic map of the area (hereinafter "map"). The evidence presented by the Department at the hearing indicates that there is no definable channel for Camas Creek within the Marsh proper itself.

The ponds proposed to be constructed by Fish and Game within the Marsh will be used as nesting places and habitat for migratory waterfowl. The dredge from the construction of these ponds would be used to construct islands in the middle of the ponds to be used as nesting places. The idea is to use the surrounding water as a

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barrier against predators, giving young water fowl a chance to mature. The testimony of Everett "Pete" Trader, a long time Hill City resident indicates that the Marsh is subject to a great amount of runoff each spring, which causes flooding in the marsh area and back up the channel of Camas Creek for a considerable distance. The flood waters, flow out of the Marsh at the location of Wolfe culvert as shown on the map, at times flowing over the road where the culvert is located. The blue line on the map shows the limits of the spring flooding. Once the snow pack is melted the flow from the Marsh in to channel of Camas Creek recedes and at some point ceases, leaving standing water in the marsh. This standing water begins to evaporate, and at some point in late summer a vast part of the Marsh are dry. This flooding scenario was witnessed by Terry Gregory, Fish and Games resident manager for the Centennial Marsh during the 1988-89 winter\spring.

Fish and Game's proposal, as Counsel understands it, is that the water to be used under the pond application is the water that would be left naturally in the Marsh after the spring flood. This is the water that would end up in the proposed ponds. Under Fish and Game's agreement with the Big Wood Canal Company no dike or dam would be constructed to keep additional water in the Marsh. Fish and Game is not proposing to take anything more than it already has by reason of natural storage in the Marsh.

Later in the season as water evaporates out of the proposed ponds, it would be replenished from three proposed wells through a series of ditches in pipes. This would take place during July

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and August of each year. Nor evidence was presented at the hearing as to the design, nature, or location of this proposed system of pipes or ditches.

The record shows that Fish and Game has yet to receive a 404 Dredge Permit from the Army Corp. of Engineers, although testimony indicates that the Department has in fact applied for one. No copy of this application has been placed of record.

There are three Protestants in this matter. They are:

a. Gwen Rice, a long time Camas County farmer, who owns approximately 6000 acres, located on Camas Creek, directly upstream from the Centennial Marsh. Mr Rice's property has five irrigation wells, which are presently in place and licensed. These wells have been located on the map and drilling logs for these well have been placed in the record as Fish and Game Exhibit ""9". The testimony of Fish and Games expert, Joel Jeppsen, is that there are two aquifers in the area of Mr. Rice's property in the marsh. The lower or second aquifer, is artesian in nature, and through artesian pressure puts water into the first or top aquifer. It is Fish and Games contention that its three proposed wells would pump from the second, or artesian aquifer. It is Mr. Jeppsen's contention that by the fact that Fish and Game would be pumping from the second aquifer, it's wells would in no way affect or impair Mr. Rice's wells. It is Mr. Jeppsen's testimony that four Mr. Rice's wells pump out of the first aquifer, and only one of Mr Rice's wells pumps from the second or artesian aquifer.

There is also evidence on the record that at some distance

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down stream from the Marsh, the second aquifer surfaces into the channel of Camas Creek. See pages 20-21 of Department of Water Resources/Fish and Game Exhibit "8".

b. The Big Wood Canal Company which owns and operates Magic Dam, into which Camas Creek eventually drains. The Canal Company did not participate in the hearing by reason of an agreement between the Canal Company and Fish and Game which is set out in Fish and Game Exhibit "13".

c. Lee Barron, a long time resident of Camas County, and an owner of a contractual right to purchase an irrigation right located down stream of Camas Creek. This right had at one point been offered for sale to Fish and Game, assuming Department of Water Resource approval as to changes in use and diversion, to be used for the same purposes by the Fish and Game as the proposed applications in the matter. Had Mr. Barron's, contract been purchased the well applications in this matter would probably not be needed and the problems with the pond application set out below would probably not exist. Also the program as proposed by Fish and Game would be, overall, cheaper and more cost effective.

ARGUMENT

I. BURDEN OF PROOF:

That the Department of Fish and Game, as applicant , has the burden of proof, in this matter. First, as to making a basic case, and second as to the ultimate burden of persuasion. Sole exception to this is sub-section e, of Section 42-203A(5) Idaho Code which deals with local public interest. See rule 4,4. Idaho

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Department of Water Resources, Water appropriation rules and regulations, herein after "Rules and Regulations".

See also: Shokel v. Dunn, 109 Id 330, 707 P2d 441 (1985); and Collins Bros. v. Dunn, 114 Id 600, 759 P2d 891 (1988).

II. INJURY TO OTHERS/AVAILABILITY OF WATER:

Under the criteria under sub part (a) of Idaho Code Section 42-203 A (5) The Department of Water Resources , in the granting or denying of an application, must take into consideration whether or not that the proposed water right will reduce the quantity of water available under existing rights.

A. The Big Wood Canal Company:

In its pre hearing brief in this matter, Fish and Game logically and cogently argued that the surface water sought to be appropriated, are "percolating waters" or "private waters". This contention is based on the fact that there is no definable channel on Fish and Game property across which water floods in the springtime and then ponds up after the spring flood. Fish and Game argues in its brief that these waters are "subject to licensing provided in section 42-212, Idaho Code". It is protestants position that this issue of "private waters" is moot or at best a red herring.

First, by their very nature private waters are something of which the State Department of Water Resources has no authority or control over. They belong to the land owner by definition. The Idaho Department of Fish and Game misreads Idaho Code section 42-212 in that it deals, by implication, with the appropriation of

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the marsh, and to use it as a predator barrier for nesting waterfowl. The question that has to be asked, is how do you tell, after the construction of these ponds that you are keeping exactly the amount of water that would naturally be left in the Marsh if the topography of the Marsh should not be disturbed and no more? There is no evidence in the record as to what this amount or water is for one year, or as an average figure over several years. There is no evidence that this information even exists. And even if it did exist, and one were able to regulate with certainty the amount of water to be used in the ponds, the fact that the water is being used in the ponds, means that you are drying up the rest of the Marsh. One can be certain that it's Fish and Games intention to keep the Marsh as wet as possible, since that is environment to provides food and habitat for the bird and animal life which Fish and Game wishes to preserve. It would therefore, be obvious that if Fish and Game retains enough water to keep the marsh wet as it is in its present condition; and also to keep water in the ponds, which are 2 1/2 feet deep or deeper in depth, that it is going be retaining water that would have otherwise naturally ran of down the channel of Camas Creek, where it would be used by the Canal Company or other water right holders. While the canal company might feel that this does not adversely affect It's water right, it does, in fact, adversely impact the water rights of other down stream users.

Rule 4, 5,3,2,1. of the rules and regulations requires that the applicant provide certain information as concerns water

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requirements of the proposed project including but not limited to:

a. The required diversion during the peak use period

b. The average use period.

c. The volume to be diverted per year

d. The period of year that water is required.

e. The volume of water that will be consumptionally used per year.

It is submitted by Protestant that most if not all of this information has not been provided. Particularly information concerning the retention of water once the project has been constructed over and above what would otherwise be normally be retained from the spring runoff, and the consumptive nature of Fish and Game's use, as far as the construction and operation of these ponds are concerned.

B. GWEN RICE;

According to the testimony of Phil Jeppson, the Engineering Supervisor of Fish and Game the water from the well applications will used later in the season to replace water lost out of the ponds, through evaporation or subbing through a system of pipes and ditches. These wells are to be drilled into the second or artesian aquifer. It is Mr. Jeppson's opinion that they will not have any effect Mr. Rice's five wells by the fact that they are to be drilled into the artesian aquifer. The evidence presented at the hearing is that four of Mr Rice's wells are drilled into the top or non-artesian aquifer, and that one of them is drilled into

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the artesian aquifer. Fish and Game claims that the four wells of Mr. Rice's drilled into the top aquifer, by that fact alone, should not in any way be impaired by there proposed wells. This says nothing for the one well of Mr Rice's that is in fact drilled into the second aquifer. The Water Resource's Exhibit, part of which had been put on record by Fish And Game as Exhibit "8", which is entitled Water Resources of Camas Prairie, South Central Idaho, U.S. Geological Survey, Water Resources investigations 78-82, Open File Report, Prepared in cooperation with the Idaho Department of Water Resources, by H. W. Young, dated 1978, concludes at page 18 that:

> "Since 1974, when a significant increase in pumping for irrigation began in Camas Prairie Basin, pressure heads have declined three to twelve feet in parts of the artesian aquifer. At one place, they drilled down nearly twenty five feet in response to 1977 pumping". (Emphasis Added)

It should be noted that the Report says nothing of the number of new wells that have been drilled or what has happened to pumping levels in the sixteen years since this report. The best evidence before the department is that these wells will probably impact Mr. Rice's wells, even if they are plumbed into the artesian aquifer.

That will include Section 42-226 provides in part that,

> "Prior appropriators of underground water shall be protected in the maintenance of reasonable ground water pumping levels as may be established by the director of the Department of Water Resources as herein provided. In determining a reasonable ground water pumping level or levels, the Director of the Department of Water Resources shall consider and protect the thermal and/or artesian pressure values for low temperature go thermal resources and go thermal resources to the extent that he determines such protection as in the public interest." RECEIVED

 JUN 20 1990

In other words Mr. Rice has a statutory expectation that the Fish and Game wells will not adversely impact him. Fish and Game has not brought forth information at the hearing that these wells will in fact not impact him. The best guess from the evidence that is of record is that they will impact Mr Rice's wells. Fish and Game cannot make Mr. Rice any guarantees. As Mr. Jeppson said at the hearing his is "not an exact science". The best that Fish and Game could offer is that they would somehow compensate Mr. Rice or mitigate damages, if in fact their proposed wells did have an impact on Mr Rice's.

C. THIRD PARTIES:

Outside of Mr. Rice's wells, there is absolutely no specific evidence as to who the other water right holders are in Camas Creek, either upstream or downstream. Fish and Game will admit that there are other third party water right holders, although they have not made effort to tell us who they are and how they will be impacted or not. Without this information it is difficult to evaluate the impact of the Water Resource Department granting Fish and Game the permits requested in this matter, on these other third party water rights holders.

For example, there was discussion at the hearing that the artesian aquifer which Fish and Game proposes to pump out of, surfaces at a considerable distance downstream from the Marsh into the channel of Camas Creek. It is Fish and Game's contention that the amount of water that they take out of the aquifer would in

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noway impact downstream water right holders, but how do we know this if we do not know who these water users are, and what their water rights are?

D. TRUST WATERS:

Fish and Game in its February 16, 1990, Posthearing Response Brief, acknowledges that the Centennial Marsh area is part of the Swan Falls "Trust Area". It is alleged however, that "one of the ground water studies at the Camas Prairie area indicate very little ground water reached the Snake River". It should be noted that trust waters are ground or surface waters, and that the waters of Camas Creek eventually end up in the Snake river, via the Wood and Malad Rivers.

Rule 1,5,. of the rules and regulations spells out the location and nature of trust water. Attachment "A" of the rules and regulations entitled Geographic Area From Which Ground Water Is Determined To Be Tributary To The Snake River In The Milner Damn To Swan Falls Dam Reaches, is the map of areas tributary to the Snake River in the Swan Falls Reach. The area of application is located within this Reach.

Rule 2,17. of the rules and regulations defines "trust water" as:

> "That portion of an unsubordinated water right used for Hydropower generation purposes which is access of a minimum stream flow established by state action either with agreement of holder of the Hydropower right as provided by section 42-203B(5), Idaho Code or without an agreement as provided by section 42-203B(3).

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Idaho Code Section 42-203B(5), holds the Swan Falls agrement to be a trust water agreement for purposes of the statute i.e. the contract entered into by the governor and the Idaho Power Company on October 25, 1984". The Idaho Power Hydroelectric right at Swan Falls is 8900 cfs. All amounts over the minimum flows at Murphy Gauge (3900 cfs from April 1 to October 31 and 5600 cfs from November 1 to March 31) are trust waters. See Rule 1,5,1,3., Rules and Regulations.

Rules 1,4,2,1. and 1,4,2,2. require,

> "a determination of whether the proposed use will significantly reduce individually or cumulatively with existing uses and other uses reasonably likely to exist within twelve months of the proposed use, the amount of trust water available to the holder of the water right used for power production that is defined by agreement pursuant to subsection (5) of Section 42-203B, Idaho Code (hereinafter termed significant reduction"). If a significant reduction will not occur, the application may be approved without na evaluation of the public interest criteria of Section 42-203C(2), Idaho Code."

Rule 5,2. of the Rules and Regulations sets out criteria for evaluation as to weather a proposed use of trust water will cause a significant reduction. The criteria that seems to be appropriate in this case is the presumption in for the "Individual test" set out in Rule 5,2,1,1. which provides that:

> "A proposed use will be presumed to not cause a significant reduction if when fully developed and its impact is fully felt, the use will individually reduce the flow of the Snake River measured at Murphy Gauge by not more then two (2) ace-feet per day."

Assuming the following in a idealized pan test:

JUN 20 1990

27,100 gallons in an ac/inch
325,000 gallons in an ac/foot
.25 inches of evaporation per day (counsel understands this to be the normal rate on Camas Prairie)

It can be calculated that there would be an evaporation loss of 6775 gallons per day per acre or a loss of 271,000 gallons per day for forty (40) acres (188.19 gallons per hour). This is a total daily loss of .833 ac/ft per day. If the forty (40) ponds were two acres each in size the loss would be 1.66 ac/ft per day. In any event not enough to trigger the presumption and the trust water evaluation required by the Rules and Regulations or the local public interest criteria of 42-203C.

III. LOCAL PUBLIC INTEREST:

In Shokal v. Dunn, Supra, the Idaho Supreme Court held that:

> "In order to be able to asses a project's impact on the public interest, the project's design must be definite enough to reflect its impacts and implications. . . . . In all cases the plans should b sufficient to generally apprise the public of the efficacy of the proposed use in the planned facility, and of its potential impact." at pages 339-340

It is submitted that the Fish and Game has not provided sufficient information as to the placement and actual operation of the ponds, ditches, and pipes proposed by its applications to determine their "potential impact."

CONCLUSION

The applications of Fish and Game should be denied for the fact that as applicant, it has failed to meet its burden of proof to show that its proposed use will not adversely affect or impact

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JUN 20 1990

other water users. The Department has in fact failed to provide sufficient information at the hearing in order to make these determinations.

Respectfully submitted.

Dated this 13th day of March, 1990.

John C. Arkoosh

CERTIFICATE OF MAILING

I hereby certify that on the 13th day of March, 1990, a true and correct copy of the foregoing document was deposited in the United States Mail in a sealed envelope with postage prepaid and addressed to the following:

Gwen Rice
Fairfield, Idaho

Stephen V. Goddard
Deputy Attorney General
Idaho Department of Fish and GAme
600 South Walnut
Post Office Box 25
Boise, Idaho 83707

Cecil D. Hobdey
Hobdey & Hobdey
125 Fifth Avenue West
Gooding, Idaho 83330

Gary Spackman
Department of Water Resources
1301 North Orchard
Boise, Idaho 83720

John C. Arkoosh

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State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

March 21, 1990

Cecil Hobdey
Attorney at Law
125 Fifth Avenue West
P.O. Box 176
Gooding, ID 83330

RE: Fish and Game Applications to Appropriate Water Nos. 37-08511, 37-08513, 37-08514, 37-08526

Dear Mr. Hobdey:

In speaking to the parties, there has been some expression that an order for briefing and submittal of information was not sent to all of the parties. Although the mailing certificate shows that a copy was mailed to all interested parties, I am enclosing a copy of the order for your reference. I have also enclosed a copy of a letter received from Cecil Hobdey confirming that the letter, listed as Fish and Game Exhibit #13, as amended by Fish and Game, represents the agreement for withdrawal of Big Wood Canal Company's protest.

I plan to adhere to the same briefing and information submittal schedule contained in the order unless one of the parties complains that its position may be prejudiced by adherence. I note from the order that the last date for submittal of materials is March 30, 1990. I will attempt to issue a decision shortly thereafter.

Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

Enclosures

cc. Southern Region

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JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

March 21, 1990

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

RE: Fish and Game Applications to Appropriate Water Nos. 37-08511, 37-08513, 37-08514, 37-08526

Dear Mr. Arkoosh:

In speaking to the parties, there has been some expression that an order for briefing and submittal of information was not sent to all of the parties. Although the mailing certificate shows that a copy was mailed to all interested parties, I am enclosing a copy of the order for your reference. I have also enclosed a copy of a letter received from Cecil Hobdey confirming that the letter, listed as Fish and Game Exhibit #13, as amended by Fish and Game, represents the agreement for withdrawal of Big Wood Canal Company's protest.

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Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

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Enclosures

cc. Southern Region

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JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

March 21, 1990

Gwinn Rice
Box 131
Hill City, ID 83337

RE: Fish and Game Applications to Appropriate Water Nos. 37-08511, 37-08513, 37-08514, 37-08526

Dear Mr. Rice:

In speaking to the parties, there has been some expression that an order for briefing and submittal of information was not sent to all of the parties. Although the mailing certificate shows that a copy was mailed to all interested parties, I am enclosing a copy of the order for your reference. I have also enclosed a copy of a letter received from Cecil Hobdey confirming that the letter, listed as Fish and Game Exhibit #13, as amended by Fish and Game, represents the agreement for withdrawal of Big Wood Canal Company's protest.

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Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

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DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

March 21, 1990

Steve Goddard
Box 251
Boise, ID 83707

RE: Fish and Game Applications to Appropriate Water Nos. 37-08511, 37-08513, 37-08514, 37-08526

Dear Mr. Goddard:

In speaking to the parties, there has been some expression that an order for briefing and submittal of information was not sent to all of the parties. Although the mailing certificate shows that a copy was mailed to all interested parties, I am enclosing a copy of the order for your reference. I have also enclosed a copy of a letter received from Cecil Hobdey confirming that the letter, listed as Fish and Game Exhibit #13, as amended by Fish and Game, represents the agreement for withdrawal of Big Wood Canal Company's protest.

I plan to adhere to the same briefing and information submittal schedule contained in the order unless one of the parties complains that its position may be prejudiced by adherence. I note from the order that the last date for submittal of materials is March 30, 1990. I will attempt to issue a decision shortly thereafter.

Sincerely,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

Enclosures

cc. Southern Region

MICROFILMED
1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

February 27, 1990

Cecil Hobdey
Attorney at Law
125 Fifth Avenue West
P.O. Box 176
Gooding, ID 83330

Dear Mr. Hobdey:

Enclosed is a Summary Order for Briefing and Submittal of Information for applications nos. 37-08511, 37-08513, 37-08514 and 37-08526.

Please note the deadlines to submit any additional information.

Respectfully,

Jennifer Seifert

JENNIFER SEIFERT
Clerical Assistant

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

February 27, 1990

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

Dear Mr. Arkoosh:

Enclosed is a Summary Order for Briefing and Submittal of Information for applications nos. 37-08511, 37-08513, 37-08514 and 37-08526.

Please note the deadlines to submit any additional information.

Respectfully,

Jennifer Seifert

JENNIFER SEIFERT
Clerical Assistant

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

February 27, 1990

Gwinn Rice
Box 131
Hill City, ID 83337

Dear Mr. Rice:

Enclosed is a Summary Order for Briefing and Submittal of Information for applications nos. 37-08511, 37-08513, 37-08514 and 37-08526.

Please note the deadlines to submit any additional information.

Respectfully,

Jennifer Seifert

JENNIFER SEIFERT
Clerical Assistant

MICROFILMED
JUN 2 6 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

February 27, 1990

Steve Goddard
Box 251
Boise, ID 83707

Dear Mr. Goddard:

Enclosed is a Summary Order for Briefing and Submittal of Information for applications nos. 37-08511, 37-08513, 37-08514 and 37-08526.

Please note the deadlines to submit any additional information.

Respectfully,

Jennifer Seifert

JENNIFER SEIFERT
Clerical Assistant

MICROFILMED
JUN 2 0 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

February 27, 1990

Cecil B. Hobdey
Attorney at Law
125 Fifth Avenue West
P.O. Box 176
Gooding, ID 83330

RE: Protest of Big Wood Canal Company to Idaho Department of Fish & Game Water Right Application in the Hill City Area

Dear Mr. Hobdey:

On February 13, 1990, the Department of Water Resources conducted a hearing regarding application to appropriate water no. 37-08526, filed by the Idaho Department of Fish & Game (Fish & Game). Big Wood Canal Company filed a protest to the application. The application proposed the construction of approximately 40 shallow ponds on Fish & Game property to capture surface run-off early in the year, and retain water in the pond after the water has disappeared from the surface.

Big Wood Canal Company was not represented by anyone at the hearing. Steve Goddard, attorney for Fish & Game presented a FAX letter, signed by you, which set forth some conditions for withdrawal of Big Wood Canal Company's protest to Fish & Game's application. The letter was signed by you, but had been amended by Fish & Game to include additional language. Mr. Goddard represented that he had spoken to you about the letter, and the insertion of the additional language, and that you had consented to the language.

I have enclosed a copy of the letter which was submitted as evidence.

Please review the document I have enclosed, and acknowledge by letter that the Big Wood Canal Company consents to the conditions of the protest withdrawal as set forth therein.

RECEIVED
JUN 20 1990

Failure to appear at the hearing jeopardizes the right of the Big Wood Canal Company to formally appear as as party. I am, however, enclosing a copy of a report which I agreed to recognize in reaching a decision. I am also enclosing a copy of an order for briefing and submittal of information. If Big Wood Canal Company desires to submit any additional information to the Department regarding this proposal, would you please do so within the time set forth in the order.

Respectfully,

Gary Spackman

GARY SPACKMAN, Manager
Water Right Permits Section

GS:js

Enclosure

cc. Steve Goddard
John Arkoosh
Gwinn Rice
Southern Region

RECEIVED
JUN 20 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
2148 4th Ave. E.
Twin Falls, Idaho 83301

37-08510-14

Idaho Dept. of Fish & Game
P.O. Box 25
Boise, ID 83707

37-08510-14

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

37-08510-14

Lee Barron
Fairfield,ID 83327

37-08510-14

Gwinn Rice
Box 131
Hill City, ID 83337

37-08510-14

Idaho Dept. of Fish & Game
P.O. Box 25
Boise, ID 83707

37-08510-14

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

37-08510-14

Lee Barron
Fairfield,ID 83327

37-08510-14

Gwinn Rice
Box 131
Mill City, ID 83337

37-08510-14

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

37-08510-14

Idaho Dept. of Fish & Game
P.O. Box 25
Boise, ID 83707

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John C. Arkoosh
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Lee Barron
Fairfield,ID 83327

37-08510-14

Gwinn Rice
Box 131
Mill City, ID 83337

37-08510-14

Idaho Dept. of Fish & Game
P.O. Box 25
Boise, ID 83707

37-08510-14

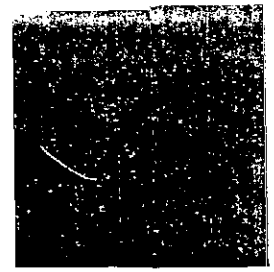
John C. Arkoosh
P.O. Box 32
Gooding, ID 83330

37-08510-14

Lee Barron
Fairfield,ID 83327

37-08510-14

Gwinn Rice
Box 131
Mill City, ID 83337



[redacted]
IDWR 2/1/80

NAME AND ADDRESS OF SENDER

Re: 37-8510-1K

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

Check appropriate block for Registered Mail:
☐ With Postal Insurance
☐ Without Postal Insurance

Affix stamp here if issued as certificate of mailing or for additional copies of this bill.

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FOR REGISTERED, INSURED, C.O.D., CERTIFIED, AND EXPRESS MAIL

Line	Number of Article	Name of Addressee, Street, and Post-Office Address	Postage	Fee	Handling Charge	Act. Value (If Regis.)	Insured Value	Due Sender If C.O.D.	R. R. Fee	S. D. Fee	S. H. Fee	Rest. Del. Fee / Remarks
1	931 ✓	Dd. Fish & Game	.25	.85	.95	2.05						
2	932 ✓	Lee Barron										
3	933 ✓	Dennis Rice										
4	934	John Arkoosh, Atty.										
5	935	Big Wood Canal Co.										
6		Non cert. to Reid Newby										
7												
8												
9												
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15												

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IDAHO DEPT. OF WATER RESOURCE
JUN 2 1980

Total Number of Pieces Listed by Sender	Total Number of Pieces Received at Post Office	POSTMASTER, PER *(Name of receiving employee)*
5		

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, $400 for COD and $400 for Insured Mail. Special handling charges apply only to Third- and Fourth-Class parcels. Special delivery service also includes special handling service.

PS Form 3877, Feb. 1982

FORM MUST BE COMPLETED BY TYPEWRITER, INK OR BALL POINT PEN

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Gwinn Rice
Box 121
Hill City, ID 83337

UNCLAIMED 10-14

JUN 20 1990

4. Article Number

933

Type of Service:

- ☐ Registered
- ☐ Insured
- ☒ Certified
- ☐ COD
- ☐ Express Mail
- ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address

X Gwinn Rice

6. Signature — Agent

X

7. Date of Delivery

5 Feb 90

8. Addressee's Address *(ONLY if requested and fee paid)*

FEB 6 - 1990

Department of Water Resources

PS Form **3811**, Mar. 1988 * U.S.G.P.O. 1988-212-865 **DOMESTIC RETURN RECEIPT**

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in t[illegible]ETURN TO" Space on the reverse side. Failure to [illegible]s will prevent this card from being return[illegible] you. The return receipt fee will provide you the name[illegible]he person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☒ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Idaho Dept. of Fish[illegible]
P.O. Box 25
Boise, ID 83707

[illegible]37-[illegible]
[illegible]FILMED

JUN 20 1990

RECEIVED

4. Article Number
931

Type of Service:
- ☐ Registered
- ☐ Insured
- ☒ Certified
- ☐ COD
- ☐ Express Mail
- ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

FEB 6 - 1990

6. Signature — Agent
X

Department of Water Resources
Southern Region Office

7. Date of Delivery
FEB 5 1990

8. Addressee's Address *(ONLY if requested and fee paid)*

Box 25
Boise 83707

PS Form **3811**, Mar. 1988 * U.S.G.P.O. 1988-212-865 **DOMESTIC RETURN RECEIPT**

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in t[redacted]ETURN TO" Space on the reverse side. Failure to [redacted]is will prevent this card from being return[redacted] you. The return receipt fee will provide you the nam[redacted]he person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☒ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Lee Barron
Fairfield, ID 83327

JUN 2 0 1990

4. Article Number
932

Type of Service:
- ☐ Registered
- ☒ Certified
- ☐ Express Mail
- ☐ Insured
- ☐ COD
- ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Address
X Lee Barron

6. Signature – Agent
X

7. Date of Delivery
2-6-90

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Mar. 1988 * U.S.G.P.O. 1988-212-865 **DOMESTIC RETURN RECEIPT**

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

DEPARTMENT OF WATER RESOURCES
2148 4th AVENUE EAST
TWIN FALLS, IDAHO 83301

SPOKANE, WA
PM
06 FEB 1990
RECEIVED
FEB 8 - 1990
RECEIVED
JUN 20 1990
Department of Water Resources
Southern Region Office
U.S.MAIL
PENALTY FOR PRIVATE USE, $300

UNITED STATES POSTAL SERVICE

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Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

JUN 2 0 1990



PENALTY FOR PRIVATE USE, $300

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

DEPARTMENT OF WATER RESOURCES
2148 4th AVENUE EAST
TWIN FALLS, IDAHO 83301

UNITED STATES P[redacted]L SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

MICROFILMED

JUN 2 0 1990

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

DEPARTMENT OF WATER RESOURCES
2148 4th AVENUE EAST
TWIN FALLS, IDAHO 83301

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATIONS FOR PERMIT TO APPROPRIATE WATER NO. 37-8511, 37-8513, AND 37-8514	NOTICE OF HEARING
Idaho Department of Fish and Game Applicant	SOURCE: Groundwater COUNTY: Camas
Lee Barron, Gwinn Rice Protestants	

On May 3, 1989, the Idaho Department of Fish and Game, applicant, filed with the Department of Water Resources an application to appropriate the public waters of the State of Idaho. On June 26, 1989, the Department received a protest against the approval of said application from Lee Barron via his attorney, John Arkoosh. A protest was also received from Gwinn Rice and subsequently withdrawn, but reinstated at a pre-hearing conference held on November 9, 1989.

The Department has set the matter for hearing for **Tuesday, February 13, 1990 at 10:00 AM, at the Fish and Game Region 4 office, 868 East Main, Jerome.**

The hearing will be held in accordance with chapter 2, Title 42 of the Idaho Code and the adopted Rules of Practice and Procedure of the Department of Water Resources. Opportunity shall be afforded to all parties to respond and present evidence and argument on all issues involved.

Dated this 1 day of February, 1990.

Loren O. Holmes
Southern Region Manager

MAILED

JUN 20 1990

CONFERENCE AND HEARING PROCEDURE

IN THE MATTER OF A PROTESTED APPLICATION FOR PERMIT

In accordance with IDAHO CODE, Section 42-203, the following issues are involved in the consideration of the application and protest(s):

1) Will the proposed use reduce the quantity of water under existing rights?

2) Is the proposed water supply insufficient for the purposes intended?

3) Is the application made in good faith or for delay or speculative purposes?

4) Has the applicant sufficient financial resources with which to complete the proposed project?

5) Will the proposed use conflict with the local public interest?

PROCEDURE

The procedure normally followed by the department in arriving at a decision on the issues which must be considered is to first hold a conference in the matter and then, if necessary, hold a hearing. If a hearing is held a written decision is issued based on the hearing record.

CONFERENCE

Preliminary to holding a hearing, a pre-hearing conference is held to to familiarize the department and the parties with the matter and to determine if a resolution of the protest(s) is possible without the need for a hearing.

At the conference the department may formulate and simplify the issues, obtain admissions of fact and of documents which will avoid unnecessary proof, arrange for the exchange of proposed exhibits or prepared expert testimony prior to the hearing, limit the number of witnesses, consolidate the examination of witnesses, and advise the parties of the procedure which will be followed at any subsequent hearing.

HEARING

Any party may request in writing five (5) days before any hearing that the oral proceedings thereof be taken in the form of stenographic notes at the expense of the requesting party. Any party may have such stenographic notes of the oral proceedings, or part thereof, transcribed at his own expense. A taped record of the proceedings will be maintained for the appeal period.

If the hearing is conducted by a hearing officer appointed by the Director, rather than the Director himself, a proposed decision will be issued and the parties will be afforded the opportunity to file exceptions to the proposed decision and present briefs and oral arguments to the Director prior to the issuance of a final decision by the Director. This procedure is required by IDAHO CODE, Section 42-1701A.

The parties by written stipulation, may waive their right to a proposed decision, however, the failure of either party to waive a proposed decision will not predjudice the director's review of a party's evidence and arguments. However, such a waiver will shorten the decision making process and may expedite substantially the issuance of a final decision. Whether compliance with Section 42-1701A is waived will not affect a party's right to petition for a rehearing of the final decision pursuant to rule 11 of the Department's Rules of Practice and Procedure or affect a party's right to appeal the final decision to the District Court.

WATERMARKED

Under the provisions of the IDAHO CODE, Sections 42-1701A and 67-5215, any court review of the department's decision on appeal shall be confined to the record created before the department.

JUN 20 1990

EFFECT OF FAILURE TO APPEAR AT A CONFERENCE OR HEARING

Failure to appear at the time and place set for a conference or hearing by the applicant or protestant(s) may allow the department to dismiss without predjudice the protest(s) or the application. Any and all cost incurred by reason of such non-appearance may be assessed against such non-appearing parties.

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

18-Jan-1990

Lee Barron
Fairfield,ID 83327

Re: Idaho Fish & Game Department applications 37-8510 thru 8514 and 37-8526

Dear Mr. Barron:

This office is tentatively scheduling the matter of the Department of Fish & Game Hill City Marsh applications for hearing on February 13, 1990 with time set aside to continue hearing on February 14 if needed.

Please be advised that applications 37-8510 and 37-8512 which proposed diversions within Sections 10 and 2 of Township 2S Range 12E have been withdrawn by the applicant and will not be further considered.

We expect to mail formal hearing notices setting the time and place for hearing on about January 31, 1990.

If you have any questions or if this office can be of assistance in this matter, please let us know.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

CC: John C. Arkoosh
P.O. Box 32
Gooding, ID 83330

MICROFILMED
JUN 2 0 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

18-Jan-1990

Richard M. Oneida, Manager
Big Wood Canal Co.
P.O. Box C
Shoshone, ID 83352

Re: Idaho Fish & Game Department applications 37-8510 thru 8514 and 37-8526

Dear Dick:

This office is tentatively scheduling the matter of the Department of Fish & Game Hill City Marsh applications for hearing on February 13, 1990 with time set aside to continue hearing on February 14 if needed.

Please be advised that applications 37-8510 and 37-8512 which proposed diversions within Sections 10 and 2 of Township 2S Range 12E have been withdrawn by the applicant and will not be further considered.

We expect to mail formal hearing notices setting the time and place for hearing on about January 31, 1990.

If you have any questions or if this office can be of assistance in this matter, please let us know.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

18-Jan-1990

Gwinn Rice
Box 131
Hill City, ID 83337

Re: Idaho Fish & Game Department applications 37-8510 thru 8514 and 37-8526

Dear Mr. Rice:

This office is tentatively scheduling the matter of the Department of Fish & Game Hill City Marsh applications for hearing on February 13, 1990 with time set aside to continue hearing on February 14 if needed.

Please be advised that applications 37-8510 and 37-8512 which proposed diversions within Sections 10 and 2 of Township 2S Range 12E have been withdrawn by the applicant and will not be further considered.

We expect to mail formal hearing notices setting the time and place for hearing on about January 31, 1990.

If you have any questions or if this office can be of assistance in this matter, please let us know.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

MICROFILMED
JUN 2 0 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

18-Jan-1990

Steve Goddard, Deputy Attorney General
Idaho Dept. of Fish & Game
P.O. Box 25
Boise, ID 83707

Re: Hill City Marsh applications 37-8510 thru 14 and 37-8526

Dear Mr. Goddard:

This office is tentatively scheduling the matter of the Hill City Marsh applications for hearing on February 13, 1990 with time set aside to continue hearing on February 14 if needed.

The withdrawal of applications 37-8510 and 37-8512 which proposed diversions within Sections 10 and 2 of Township 2S Range 12E is acknowledged. These applications will not be further considered.

We expect to mail formal hearing notices setting the time and place for hearing on about January 31, 1990.

If you have any questions or if this office can be of assistance in this matter, please let us know.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

18-Jan-1990

Phillip G. Jeppson, Engineering Supervisor
Idaho Dept. of Fish & Game
P.O. Box 25
Boise, ID 83707

Re: Hill City Marsh applications 37-8510 thru 14 and 37-8526

Dear Mr. Jeppson:

This office is tentatively scheduling the matter of the Hill City Marsh applications for hearing on February 13, 1990 with time set aside to continue hearing on February 14 if needed.

The withdrawal of applications 37-8510 and 37-8512 which proposed diversions within Sections 10 and 2 of Township 2S Range 12E is acknowledged. These applications will not be further considered.

We expect to mail formal hearing notices setting the time and place for hearing on about January 31, 1990.

If you have any questions or if this office can be of assistance in this matter, please let us know.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

FILMED
JUN 20 1990

MEMORANDUM

DATE: 13-Nov-1989

FROM: Loren Holmes

TO: Files 37-8510 thru 37-8514

SUBJECT: Outcome of pre-hearing conference on 11/9/89

The conference was held in conjunction with conference on application 37-8526 also filed by Fish & Game.

Lee Barron was not present, having advised the office that, due to a death in his family, he would not be able to attend. He was somewhat represented by Gwinn Rice, who had filed and withdrawn a protest.

Mr. Rice expressed the position that Fish & Game should aquire water from existing rights (by purchase or lease from himself or Mr. Barron) rather than place additional burden on the resource with new rights.

On finding that Fish & Game proposed drilling a series of new deep wells, Mr. Rice requested that his protest be reinstated. There was no objection from Fish & Game.

Mr. Rice expressed the concern that the use of the proposed wells may reduce groundwater levels and thus affect the availability of water to existing groundwater rights.

Fish & Game requested that hearing on these applications and application 37-8526 be set for the same time frame to reduce travel.

Hearing was tentatively scheduled for January 1989.

MICROFILMED

JUN 2 0 1990

Re: Applications 37-8510 thru 37-8514 and 37-8526, Idaho Dept. of Fish & Game

Place: Twin Falls

Date: 09-Nov-1989

Conference held by: Loren Holmes

ROSTER OF ATTENDANCE

NAME	ADDRESS	REPRESENTING
Lowell Rice	Box 131 Hill City Idaho	Self
Steve Goddard	Box 25, Boise, Id.	Idaho Fish and Game
Dick Oneida	Box C, Shoshone, Id.	Big Wood Canal Co.
Grant S Christensen	Box 25 Boise, Id	Idaho Dept Fish + Game
PHIL JEPPSON	Box 25, Boise, Id	"
Terry Gregory	PO Box 128 Hill City Id	IFG
Dale Turnipseed	Box 428 Jerome Id	Id. Dept. of Fish & Game

MICROFILMED

JUN 20 1990

FOR REGISTERED, INSURED, C.O.D., CERTIFIED, AND EXPRESS MAIL

NAME AND ADDRESS OF SENDER ▶ IDWR 10-24-89

Indicate type of mail
☐ Registered
☐ Insured
☐ COD
☐ Certified ☐ Express Mail

Check appropriate block for Registered Mail:
☐ With Postal Insurance
☐ Without Postal Insurance

Affix stamp here if issued as certificate of mailing or for additional copies of this bill.

POSTMARK AND DATE OF RECEIPT

Line	Number of Article	Name of Addressee, Street, and Post-Office Address	Postage	Fee	Handling Charge	Act. Value (If Regis.)	Insured Value	Due Sender If C.O.D.	R. R. Fee	S. D. Fee	S. H. Fee	Rest. Del. Fee / Remarks
1	883	Millard, David R 47-7971	25	85	95	205						
2	884	Longlois, Jeff 47-7971	25	85		205						
3	885	Twin Falls County 47-8217	25			205						
4	886	Braga, Earl L + Gleada C 47-8217	25			205						
5	887	Rice, Gwinn 37-8510-14	25			205						
6	888	Id. Dept. of Fish & Game 37-8510-14	45			225						
7	889	Barron, Lee 37-8510-14	45			225						
8	890	Oneida, Richard M 37-8526	25			205						
9												
10	John C	Arkoosh Uncertified										
11												
12												
13												
14												
15												

RECEIVED JUN 2 1990

Total Number of Pieces Listed by Sender	Total Number of Pieces Received at Post Office	POSTMASTER, PER *(Name of receiving employee)*
8		

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, $400 for COD and $400 for Insured Mail. Special handling charges apply only to Third- and Fourth-Class parcels. Special delivery service also includes special handling service.

FORM MUST BE COMPLETED BY TYPEWRITER, INK OR BALL POINT PEN

PS Form 3877, Feb. 1982

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-445-138

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATIONS FOR PERMIT TO APPROPRIATE WATER NO. 37-8510, 37-8511, 37-8512, 37-8513, 37-8514	NOTICE OF PRE-HEARING CONFERENCE
Idaho Department of Fish and Game Applicant Lee Barron Protestant	SOURCE: Groundwater COUNTY: Camas

On May 3, 1989, the Idaho Department of Fish and Game, applicant, filed with the Department of Water Resources an application to appropriate the public waters of the State of Idaho. On June 26, 1989, the Department received a protest against the approval of said application from Lee Barron via his attorney, John Arkoosh. A protest was also received from Gwinn Rice and subsequently withdrawn.

The Department has set the matter of protest for conference for Thursday, November 9, 1989, at 10:00 AM, at the Health & Welfare Mental Health Center, 823 Harrison St. N, Twin Falls.

The purpose of the conference is to formulate and simplify the issues, obtain admissions of fact and of documents which will avoid unnecessary proof, arrange for the exchange of proposed exhibits or prepared expert testimony prior to the hearing, limit the number of witnesses, consolidate the examination of witnesses, and advise the parties of the procedure which will be followed at any subsequent hearing.

The conference will be held in accordance with chapter 2, Title 42 of the Idaho Code and the adopted Rules of Practice and Procedure of the Department of Water Resources. Opportunity shall be afforded to all parties to respond and present evidence and argument on all issues involved.

Dated this 23 day of October, 1989.

MICROFILMED
JUN 20 1990

Loren O. Holmes
Southern Region Manager

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

October 11, 1989

Lee Barron
Fairfield,ID 83327

Re: Application for permit No. 37-8510 thru 37-8514 and
Application 37-8526, Fish & Game, Hill City Marsh Project

Dear Mr. Barron:

Due to a scheduling conflict, the date for pre-hearing conference on the Hill City Marsh applications is being rescheduled to November 9, 1989 in Twin Falls. Notices formally setting the conference time and place will be mailed about October 23.

If you will not be available on this date, please advise this office prior to formal setting.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

CC:John C. Arkoosh
P.O. Box 32
Gooding, ID 83330

MICROFILMED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

October 11, 1989

Steve Goddard
Idaho Dept. of Fish & Game
P.O. Box 25
Boise, ID 83707

Re: Application for permit No. 37-8510 thru 37-8514 and
Application 37-8526, Fish & Game, Hill City Marsh Project

Dear Mr. Goddard:

Due to a scheduling conflict, the date for pre-hearing conference on the Hill City Marsh applications is being rescheduled to November 9, 1989 in Twin Falls. Notices formally setting the conference time and place will be mailed about October 23.

If you will not be available on this date, please advise this office prior to formal setting.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

MICROFILMED
JUN 2 0 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

October 11, 1989

Richard M. Oneida, Manager
Big Wood Canal Co.
P.O. Box C
Shoshone, ID 83352

Re: Application for permit No. 37-8510 thru 37-8514 and
Application 37-8526, Fish & Game, Hill City Marsh Project

Dear Mr. Oneida:

Due to a scheduling conflict, the date for pre-hearing conference on the Hill City Marsh applications is being rescheduled to November 9, 1989 in Twin Falls. Notices formally setting the conference time and place will be mailed about October 23.

If you will not be available on this date, please advise this office prior to formal setting.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

MICROFILMED
JUN 2 0 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

October 4, 1989

Idaho Dept. of Fish & Game
P.O. Box 25
Boise, ID 83707

Re: Applications for permit No. 37-08510 thru 37-08514,
Idaho Dept. of Fish & Game

Gentlemen:

Please be advised that Mr. Gwinn Rice has withdrawn his protest against the application. We have received no response from Mr. Lee Barron, the other protestant.

This office is tentatively scheduling the matter of protests for a pre-hearing conference for November 2, 1989 in Twin Falls. Notices formally setting the conference time and place will be mailed about October 16.

The purpose of the conference will be to familiarize the department and the parties with the issues and to provide a forum for possible resolution of the matter.

If you will not be available on this date, please advise this office prior to formal setting.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

RECEIVED
JUN 2 0 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

October 4, 1989

Lee Barron
Fairfield,ID 83327

Re: Applications for permit No. 37-08510 thru 37-08514,
Idaho Dept. of Fish & Game

Dear Mr. Barron:

This office is tentatively scheduling the matter of protests for a pre-hearing conference for November 2, 1989 in Twin Falls. Notices formally setting the conference time and place will be mailed about October 16.

The purpose of the conference will be to familiarize the department and the parties with the issues and to provide a forum for possible resolution of the matter.

If you will not be available on this date, please advise this office prior to formal setting.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

CC: John C. Arkoosh
P.O. Box 32
Gooding, ID 83330

JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

October 4, 1989

Gwinn Rice
Box 131
Hill City, ID 83337

Re: Applications for permit No. 37-08510 thru 37-08514,
Idaho Dept. of Fish & Game

Dear Mr. Rice:

The Department acknowledges the withdrawal of your protest against the above referenced applications.

Your withdrawal concludes the matter of your protest. We will now proceed with processing the application with no further contact with you.

Very Truly yours,

Loren O. Holmes, P. E.
Southern Region Manager

MICROFILMED
JUN 20 1990

Hill City, Idaho
August 22, 1989

Department of Water Resources
2148 4th Ave. East
Twin Falls, Idaho 83301

RECEIVED
AUG 24 1989
Department of Water Resources
Southern Region Office

Dear Mr. Holmes:

In regard to application for Permit No. 37-08510, 37-08511, 37-08512, 37-08513, 37-08514

I have talked with Terry Gregory who is in charge of the Camas Centennial Marsh in question. He assured me that their use of water would not in any way reduce my quantity of water.

I appreciate your interest in the matter and trust there will be no further reason to protest.

Sincerely Yours,

Gwinn Rice

Gwinn Rice
Box 131
Hill City, Idaho 83337

GR/LR

RECEIVED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East. Twin Falls. Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

Phil Jeppson
Idaho Dept. of Fish & Game
P. O. Box 25
Boise, ID
83707

August 16, 1989

RE: Applications for Permit 37-08510 thru 37-08514, Hill City Marsh Project

Dear Phil;

Your attention is directed to Rule 3,1,1 of our Rules and Regulations for Water Appropriation dated October, 1986. Briefly, the rule states that it is illegal to divert water or to construct diverting works until an application for permit has been approved by this Department. This rule applies to all potential appropriators of surface water. Early approval of drilling permits for groundwater appropriators is possible on a case-by-case basis. Construction of the proposed wildlife ponds before the above-referenced permits are approved is clearly in volation of this rule. Since all of these applications have been protested, it will be some time before final action on these filings can be taken.

Thank you for your inquiry into this matter. If you have further questions, please feel free to contact this office.

Sincerely,

James E. Stanton

James E. Stanton
Sr. Water Resource Agent

JUN 2 0 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

04-Aug-1989

Idaho Dept. of Fish & Game
P.O. Box 25
Boise, ID 83707

Re: Application for Permit No. 37-8510, 37-8511, 37-8512, 37-8513, 37-8514

Gentlemen:

Enclosed are copies of protests filed against the issuance of a permit pursuant to your above referenced application. The Department suggests you contact the protestants directly in an effort to determine the nature of the protest and to attempt to resolve the protest.

If yo do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, IDAHO CODE):

1) Will the proposed use reduce the quantity of water under existing rights?

2) Is the proposed water supply insufficient for the purposes intended?

3) Is the application made in good faith or for delay or speculative purposes?

4) Has the applicant sufficient financial resources with which to complete the project?

5) Will the proposed use conflict with the local public interest?

If you have any questions or if this office can be of further assistance, please feel free to contact us.

Very truly yours,

Loren O. Holmes, P.E.
Southern Region Manager

RECEIVED
JUN 20 1990

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

04-Aug-1989

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

Re: Application for Permit No. 37-08510, 37-08511, 37-08512, 37-08513, 37-08514

Dear Mr. Arkoosh:

The protest on behalf of Lee Barron against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, IDAHO CODE):

1) Will the proposed use reduce the quantity of water under existing rights?

2) Is the proposed water supply insufficient for the purposes intended?

3) Is the application made in good faith or for delay or speculative purposes?

4) Has the applicant sufficient financial resources with which to complete the project?

5) Will the proposed use conflict with the local public interest?
If this office can be of further assistance, please contact us.

Very truly yours,

Loren O. Holmes, P.E.
Southern Region Manager

MICROFILMED
JUN 20 1990

cc: Lee Barron

State of Idaho
DEPARTMENT OF WATER RESOURCES
Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

04-Aug-1989

Gwinn Rice
Box 131
Hill City, ID 83337

Re: Application for Permit No. 37-08510, 37-08511, 37-08512, 37-08513, 37-08514

Dear Mr. Rice:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, IDAHO CODE):

1) Will the proposed use reduce the quantity of water under existing rights?

2) Is the proposed water supply insufficient for the purposes intended?

3) Is the application made in good faith or for delay or speculative purposes?

4) Has the applicant sufficient financial resources with which to complete the project?

5) Will the proposed use conflict with the local public interest?

If this office can be of further assistance, please contact us.

Very truly yours,

Loren O. Holmes, P.E.
Southern Region Manager

RECEIVED
JUN 20 1990

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

RECEIVED
JUN 26 1989
Department of Water Resources
Southern Region Office

June 23, 1989

Director
Department of Water Resources
2148 4th Ave E.
Twin Falls, Idaho 83301

RE: Protest of Water Applications: #37-08510, 37-08511, 37-08512, 37-08513, 37-08514

Dear Sir:

Please be informed that I represent Mr. Lee Barron, Fairfield, Idaho. I am writing on Mr. Barron's behalf to protest the above listed applications based on the criteria set out in 42-203A and 42-203C of the Idaho Code.

Please address all further correspondence concerning this matter to Mr. Barron at the above address.

Sincerely Yours

John C. Arkoosh

MICROFILMED
JUN 20 1990

RECEIVED
JUN 22 1989
Department of Water Resources
Southern Region Office

Hill City, Idaho
June 21, 1989

R. Keith Higginson
Director, Dept of Water Resources
2148 4th Avenue East
Twin Falls, Idaho 83301

Re: Applications for permit nos.: 37-08510, 37-08511, 37-08512, 37-08513 and 37-08514 in the name of State of Idaho, Dept. of Fish and Game.

Dear Mr. Higginson:

This letter is a protest against applications for permit nos. 37-08610, 37-08511, 37-08512, 37-08513, and 37-08514 filed by the State of Idaho, Dept. of Fish and Game. This protest is filed on the basis that: (1) The proposed diversions would reduce the quantity of water under existing rights; (2) The water supply is insufficient for the purpose for which it is sought to be appropriated; and (3) the proposed use will conflict with the local public interest.

Respectfully,

Gwinn Rice

[illegible] FILMED
JUN 20 1990

37-08511

STATE OF IDAHO
DEPT. OF FISH & GAME
P.O. BOX 25
BOISE, ID 83707

Source: GROUNDWATER

Diversion Pt: SWSWSW Sec 11 T 02S R 12E

Use: WILDLIFE (1.000 CFS)

Date Filed: 5/03/1989

In: T02S R12E S10	NENE	NWNE	SWNE	SENE
	NENW	NWNW	SWNW	SENW
	NESW	NWSW	SWSW	SESW
	NESE	NWSE	SWSE	SESE
S11	NENE	NWNE	SWNE	SENE
	NENW	NWNW	SWNW	SENW
	NESW	NWSW	SWSW	SESW
	NESE	NWSE	SWSE	

MICROFILMED
JUN 20 1990

The permit(s) will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 2148 4th Avenue East, Twin Falls, Idaho 83301 on or before JUNE 26, 1989.

R. Keith Higginson, Director

Published 6/07/1989 & 6/14/1989

FILMED
JUN 2 0 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Southern Region
2148 4th Avenue East
Twin Falls, ID 83301
(208)734-3578

MAY 31, 1989

THE SNOWSHOE
BOX 360
FAIRFIELD, ID 83327

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before JUNE 26, 1989.

Yours truly,

Mary Baldwin
Secretary/Office Coordinator

Enclosure

RECEIVED
JUN 20 1990

NOTICE OF APPLICATION FOR WATER RIGHT

The Following application(s) have been filed to appropriate the public waters of the State of Idaho:

2

MICROFILMED
JUN 20 1990

31-May-1989

Idaho Fish & Game
P.O. Box 25
Boise, ID 83707

Re: Application for Permit No. 37-8510, 37-8511, 37-8512, 37-8513, 37-8514

Dear Applicant (s):

The Department of Water Resources acknowledges receipt of your water right applications for permit. The applications have been assigned the above referenced identification numbers. Please refer to these numbers in all further correspondence.

This office will be advertising the applications in the The Snowshoe on 6/7 & 6/14/89. A period of ten days following the second publication will be allowed for the submittal of protests.

If an application is protested you will be sent a copy of the protest. The protest must be resolved before the application is approved or denied. If the protest is not resolved voluntarily, this Department will conduct a conference and/or hearing on the matter.

If the application is not protested, it will be forwarded to our State Office in about five weeks. State office personnel will conduct a complete review prior to final processing of the application and will notify you of the outcome of this review. When a permit is issued, you will be sent a copy. A typical processing time for an unprotested application is about eight weeks.

Please feel free to contact this office if you have any questions regarding this procedure.

Very truly yours,

Douglas Jones, E. I. T.
Water Resources Engineer

DJ:MB

MICROFILMED
JUN 20 1990

IDAHO FISH & GAME
600 South Walnut / Box 25
Boise, Idaho 83707

May 2, 1989

Idaho Department of Water Resources
Southern Region
2148 4th Avenue East
Twin Falls, ID 83301

Gentlemen:

Enclosed are five separate Applications for Permit to Appropriate the Public Waters of the State of Idaho, together with the application fees in the amount of $225.

Sincerely,

Philip G. Jeppson
Engineering Supervisor
Bureau of Engineering

PGJ:Q

Encs.

MICROFILMED
JUN 20 1990

RECEIVED
MAY 3 1989
Department of Water Resources
Southern Region Office

Cecil D. Andrus / Governor
Jerry M. Conley / Director

37-08511

App B

rm No. 202a
87

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT ANALYSIS SHEET

ITIAL REVIEW BY DRS DATE 5/10/89 APPLICATION NUMBER 37-08511

QUIRED INFORMATION

- ☑ Name (If applicant is a corporation or partnership, names must be provided for the director, officers, & other partners.)
- ☑ Address
- ☑ Source (See USGS Quad for names of water sources) — Is This to Magic Res? (See App. Proc. Memo #20)
- ☑ Point of Diversion (10 acres for spring, lot & block descriptions for subdivisions, local name, flow and/or volume)
- ☑ County
- ☑ Quantity (flow and/or volume)
- ☑ Period of Use — WATER District _____
- ☑ Nature of proposed use (Include description of use.)
- ☑ Description of diverting works
- ☑ Time required for beneficial use of water
- ☑ Place of use or acres irrigated
- ☑ Map
- ☐ Signature (If applicant is corp. partnership, or minicipality, title of signator is required)
- ☑ Fee
- ☑ Yes ☐ No* In form to receipt

DDITIONAL INFORMATION

- ☐ Overlapping place of use (Describe source & relationship to present application on the back.)
- ☐ Overlapping point of diversion
- ☐ Yes ☑ No Field check required
  Field check by _____
- ☐ Yes ☑ No Field report attached
- ☐ Yes ☑ No Critical groundwater area
- ☐ Yes ☑ No Groundwater management area
- ☐ Yes ☑ No Send dam safety information
- ☐ Yes ☑ No Send power requirement letter
- ☐ Yes ☑ No Send fish farm requirement letter
- ☐ Yes ☑ No Power residency affidavit
- ☐ Yes ☑ No Power efficiency form
- ☑ Yes ☐ No Within trustwater boundary (If yes, attach trust water supplementary analysis sheet.)
- ☐ Yes ☑ No Diversion greater than 5 cfs or 500 acre ft. (If yes, attach large diversion supplementary analysis sheet.)
- ☐ See reverse side for additional information

REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT _____

_____

_____ Date Requested _____

ESSING ☑Yes ☐No In f[illegible]n for advertising
☐Yes ☑No Statewide advertising
☑Yes ☐No Fee amount, receipt date & No. recorded on application

D COPIES TO ☐Idaho Dept. of Health & Welfare ☐U.S. BLM, District _____
☐Idaho Dept. of Fish & Game, Region ___ ☐U.S. Forest Service, Forest _____
☐Idaho Dept. of Lands ☐Water District # _____
☐Adjudication Bureau Unit ☐Other _____

AL REGIONAL PROCESSING REVIEW

☐Yes ☐No Affidavit of publication received
☐Yes ☐No Application published correctly. If not, record action taken.

_____

_____

☐Yes ☐No Publication dates & paper, recorded on application
☐Yes ☐No Protests received
Final date for protest _____
☐Yes ☐No Protests, dates, resolution of protest, recorded on application
☐Yes ☐No Recommendations attached
☐Yes ☐No Measuring device required
☐Yes ☐No Access port required
☐Yes ☐No Will water be delivered by watermaster? If yes, what Dist. _____
☐Yes ☐No Special conditions of approval or cover letter below. _____

_____ ☐See below for additional information

Date of priority recommended _____
By _____ Date _____

TATE OFFICE REVIEW _____

_____

_____ ☐See below for additional information

By _____ Date _____

DDITIONAL INFORMATION

_____

_____

_____

_____

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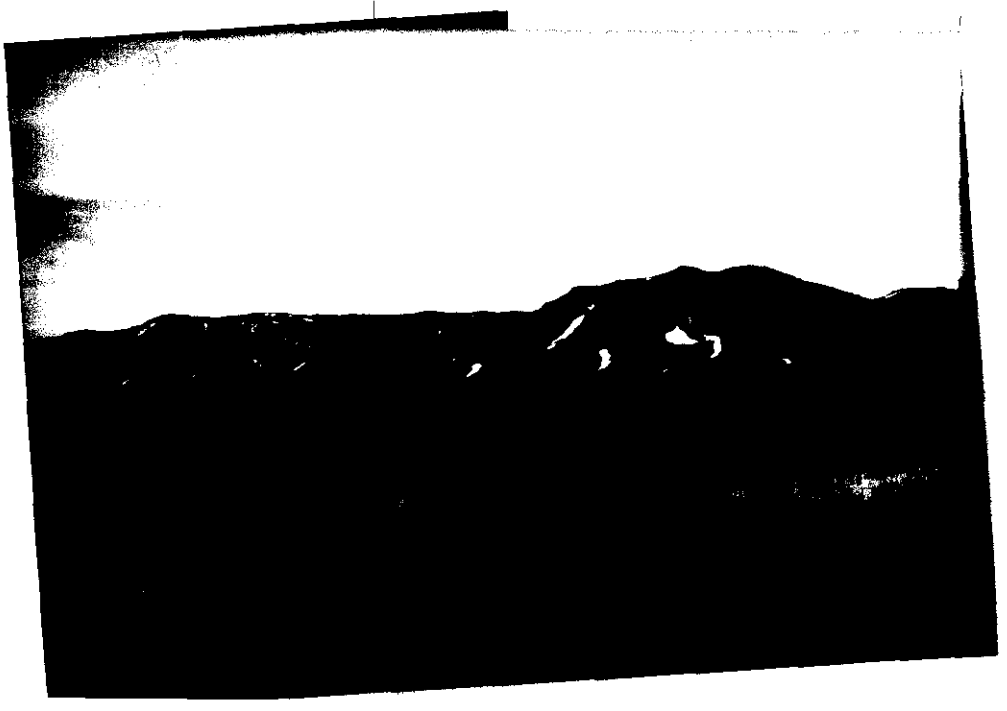
_____



P_2 - 15 Look SE from end of plowed field E of HQ

4/20/89

7-A



P_2-16 Looking S from Planned field E of HQ

4/20/89

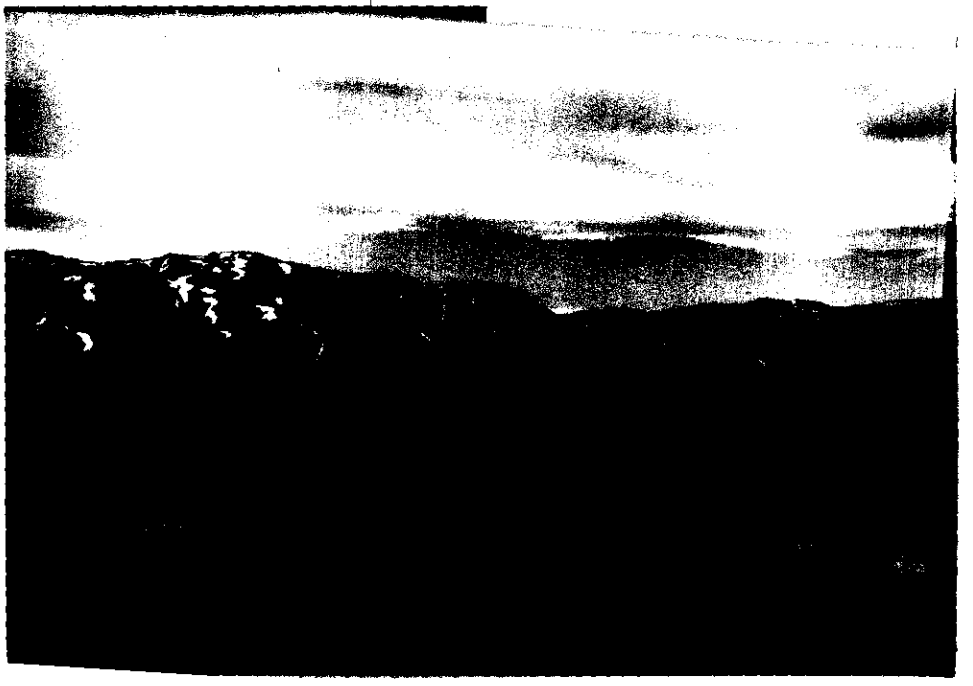
7-B



P2-17 Looking S + W from end of plowed field E of HQ

4/20/89

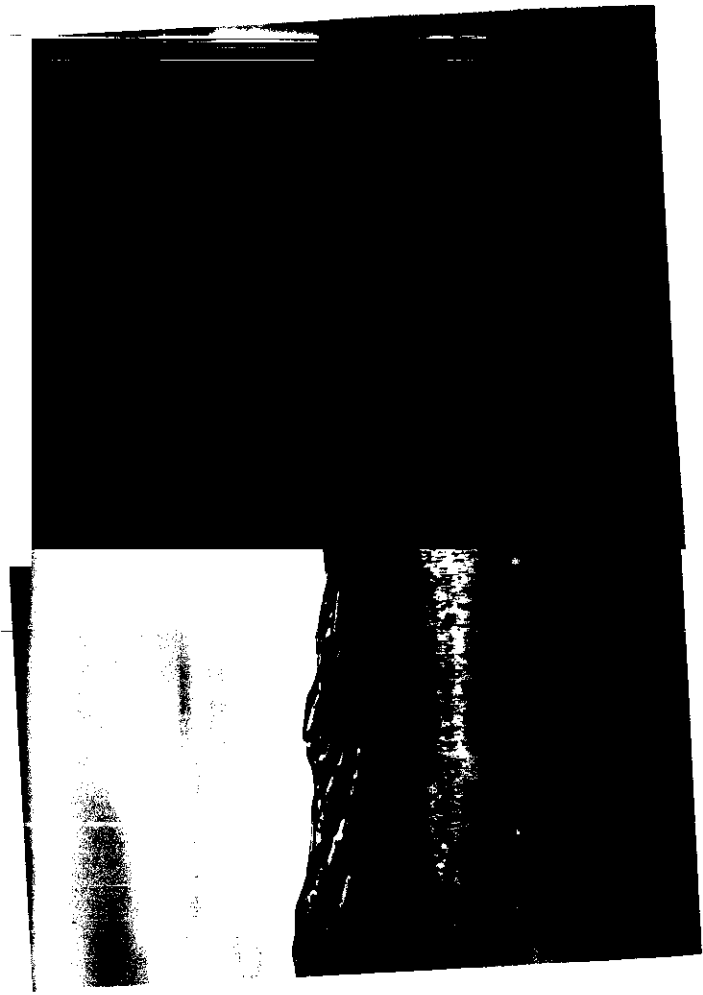
7-C



P_2 - 18 onto Looking S at road of HQ marsh 1/4 mile E

4/20/89

7-D



P2-20 Looking farther
SW of road across marsh.

4/20/89

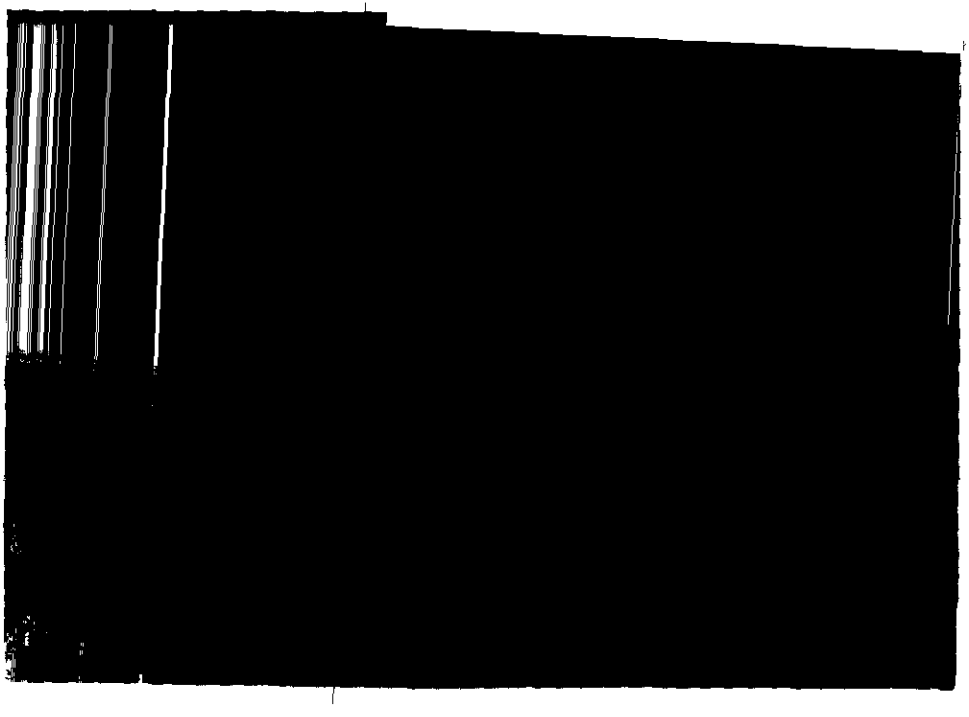
7-E



P2-21 Looking Farther W

4/20/89

7-F



P_3-13 Looking SE off road
1/4 mile east of HQ

5/17/89

7-G



P_3-14 Looking farther W. than P_3-13

5/7/89

7-H



P_3 - 15 Farther W than P_3 - 14

5/17/89

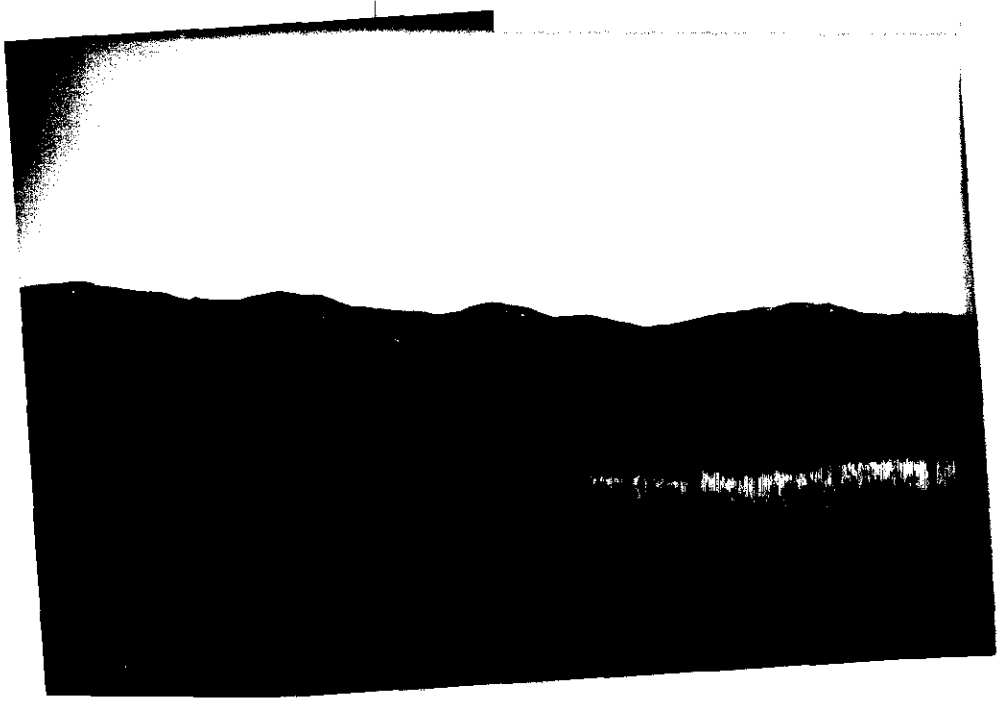
7-I



P_3-16 Farther W than P_3-15

5/17/89

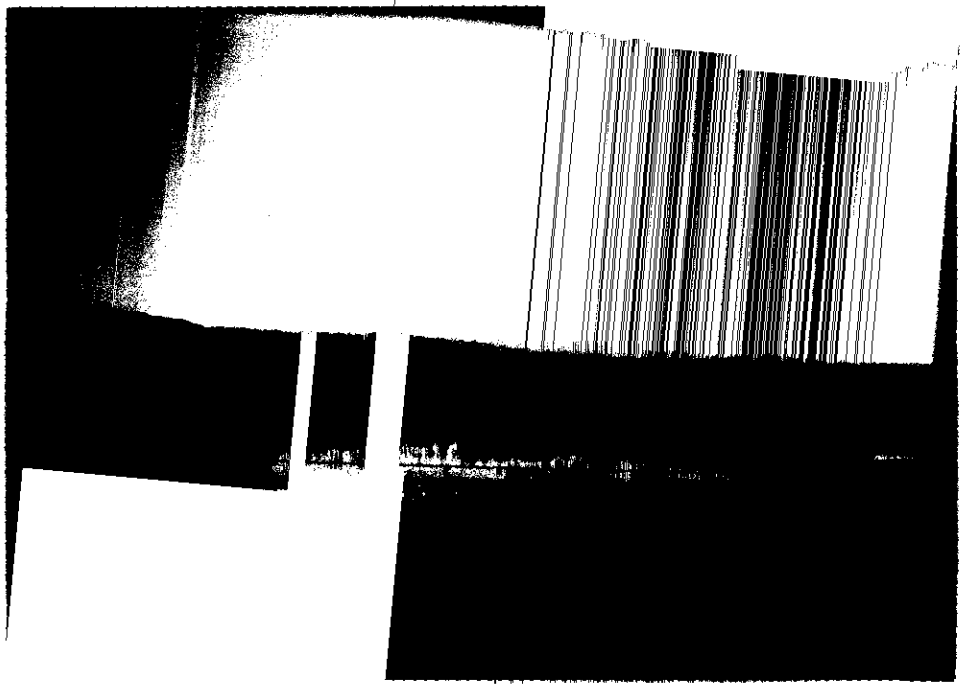
7-J



P_3-17 Farther W than P_3-16

5/17/89

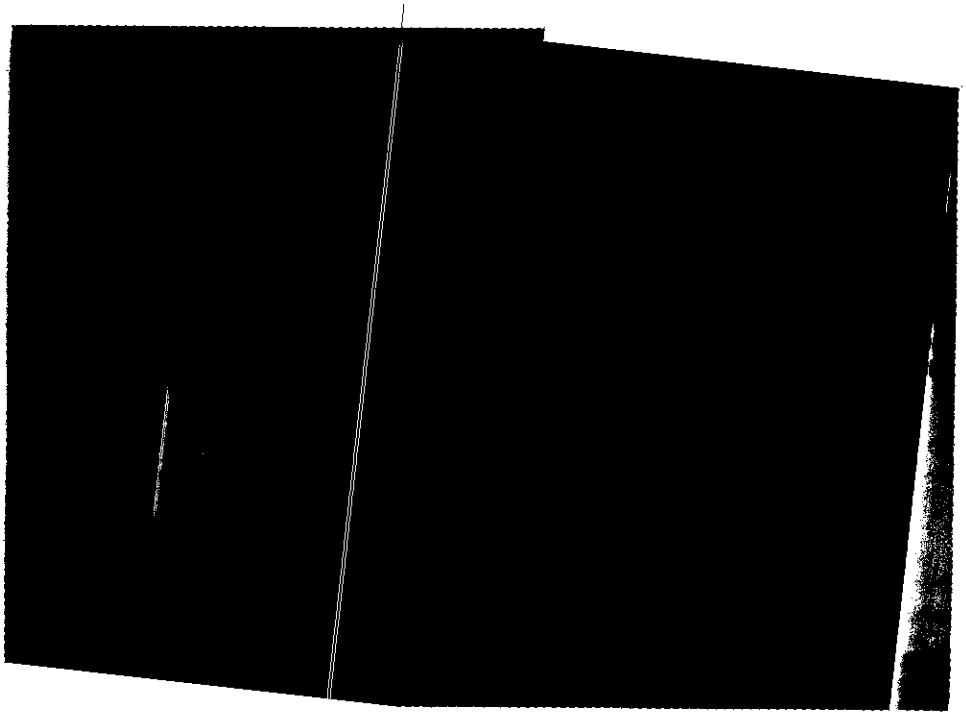
7-K



P_3- 18 Farther W than P_3-17

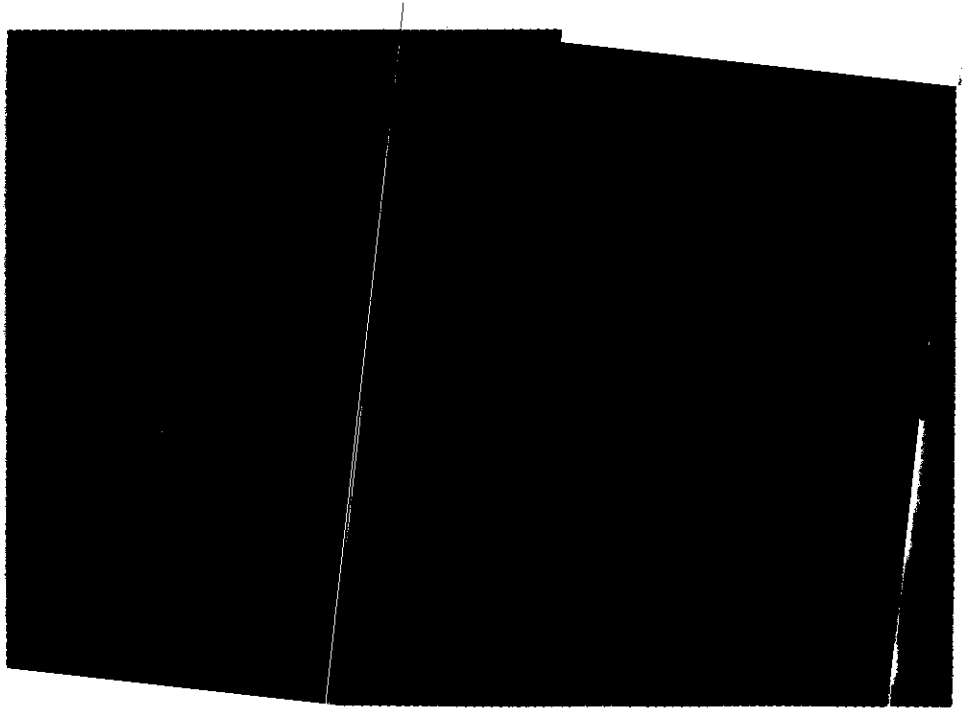
5/17/89

7-L



4/20/89 Looking N at HQ from Olson Road just west of Petricks.

5A

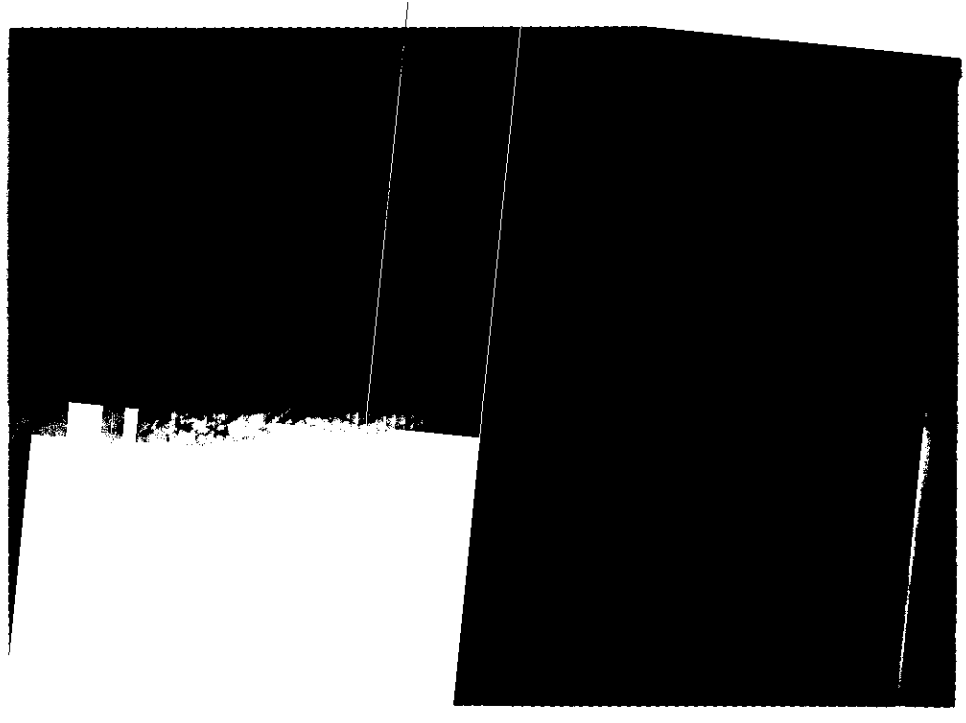


1/2 - 2

4/20/89

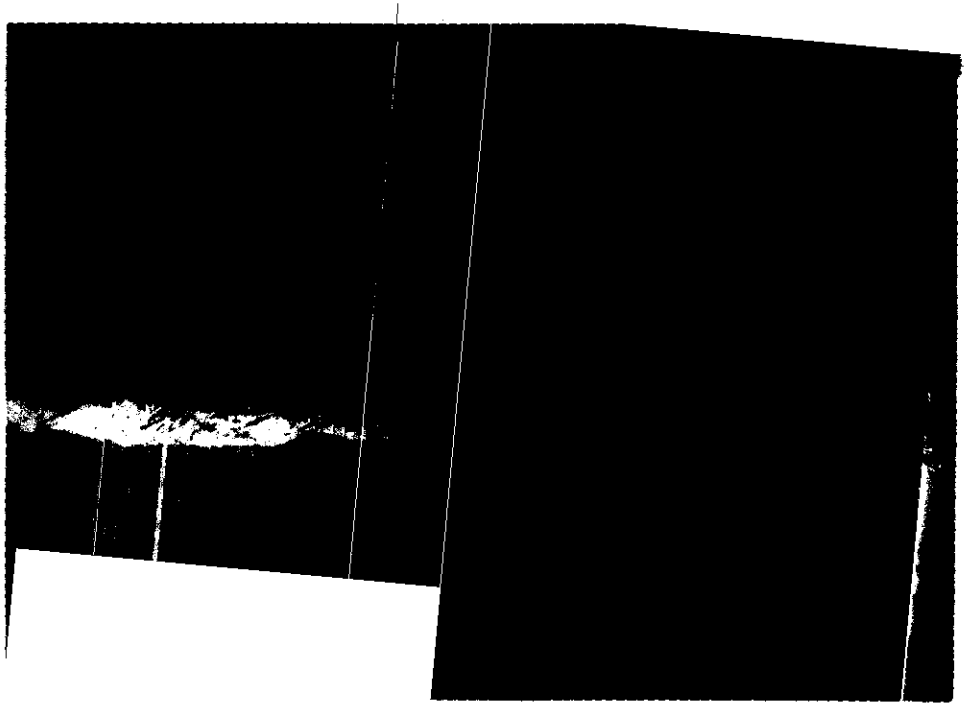
Looking N at Petricks

5 - B



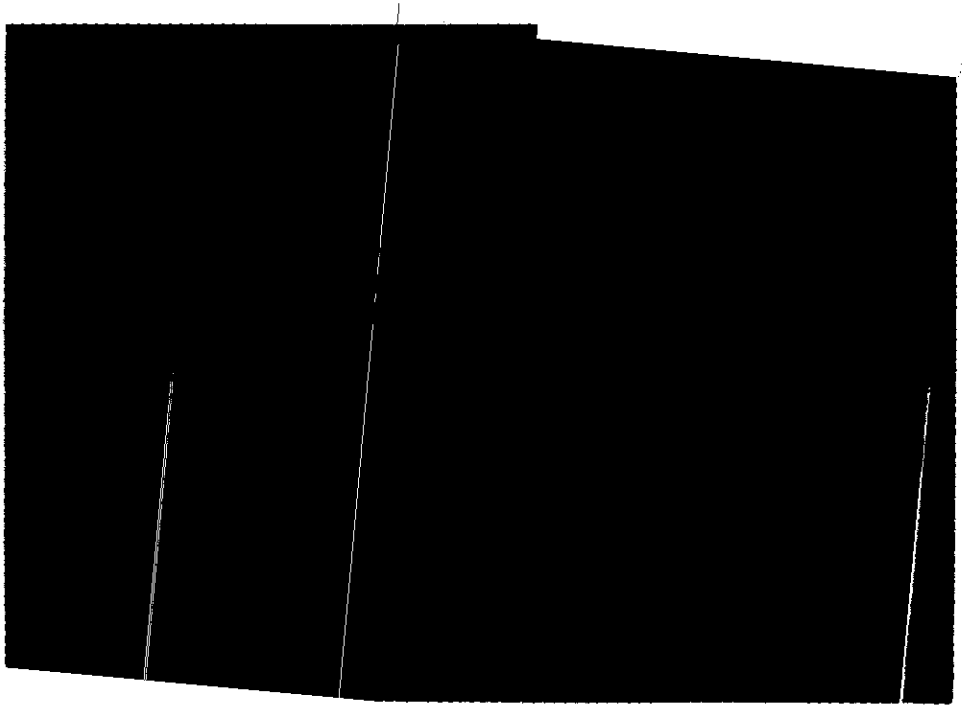
'2 3 Looking N. at Petricks

5-C



$P_2 - 5$ Looking north across Wolf.

5-D



1'2 - 6 Looking west
Drain ditch at Ruby's

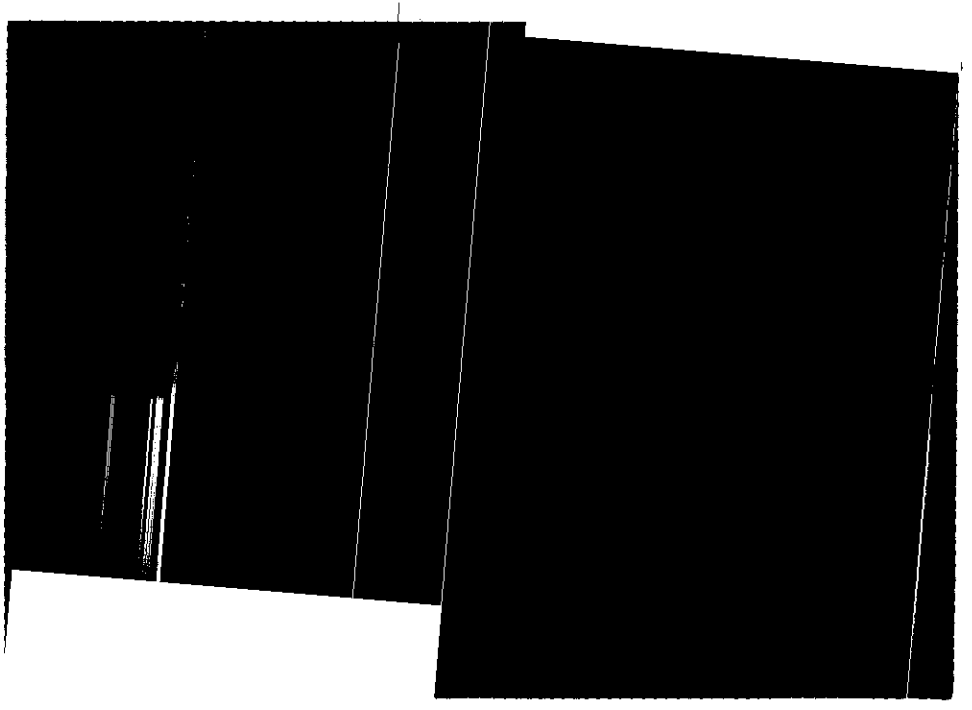
5-E



P_2-7 ~~Lo~~ Ruby Dike

→ N

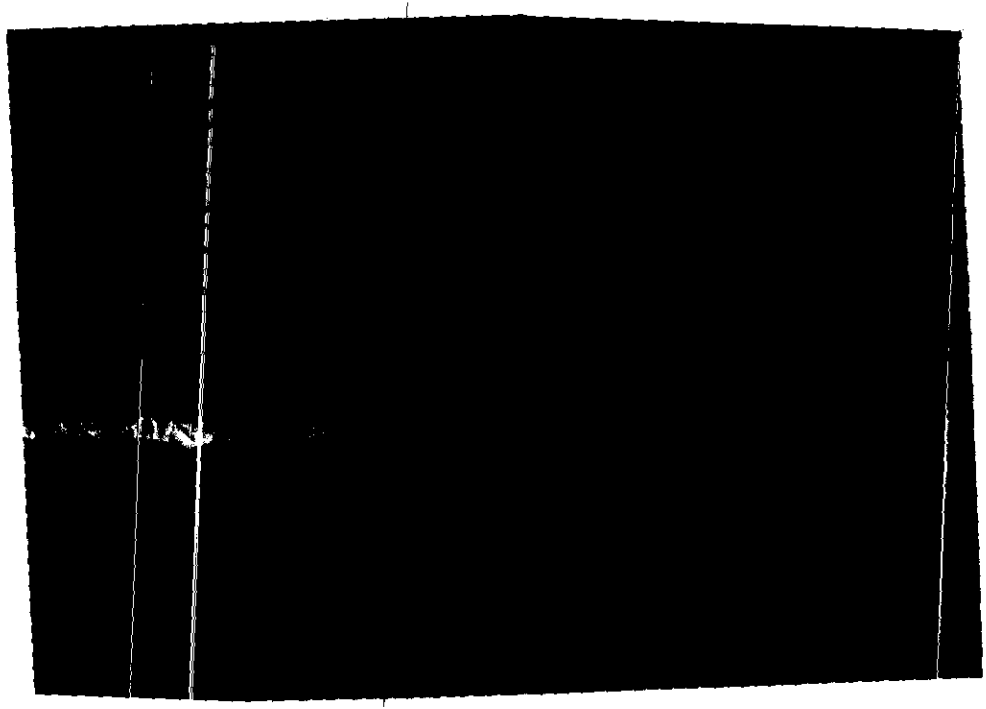
5-1=



$P_3 - 10$ Farther E than $P_3 - 9$

5-G 5/17/89

1-6 5-G



P_3-11 Farther E than. P_3-10

5/17/89.

5-H

F+G 5-H



P_3-12 Farther ϵ than P_3-11.

5/17/89.

5.I

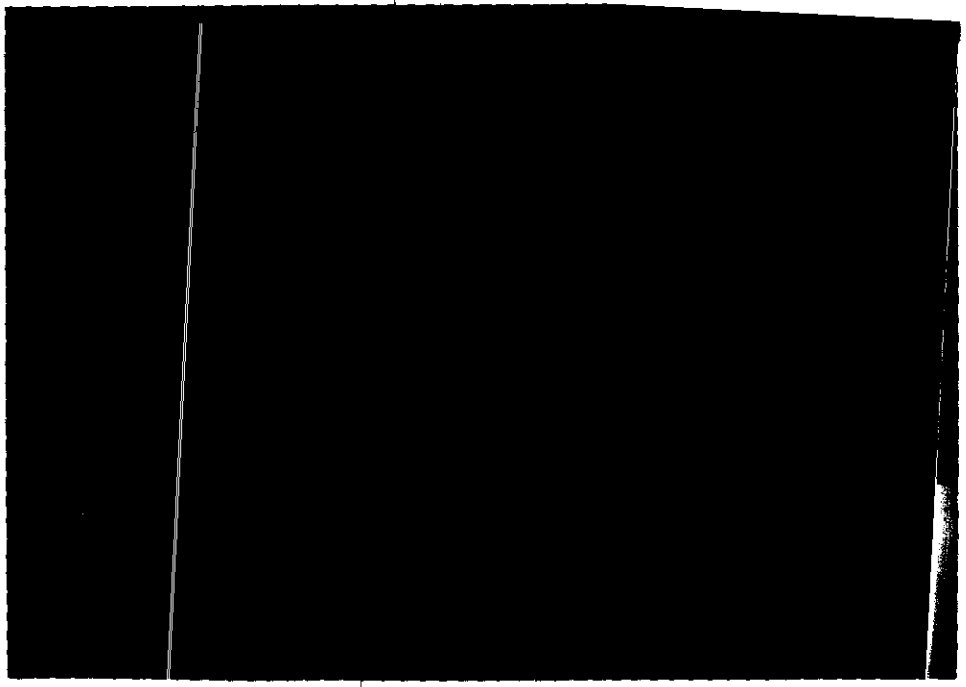
F+C 5-I



P3-4 → W. down lig drain ditch on S. end of Ruby Purchase 5/17/89

5-J

FIG 5-J

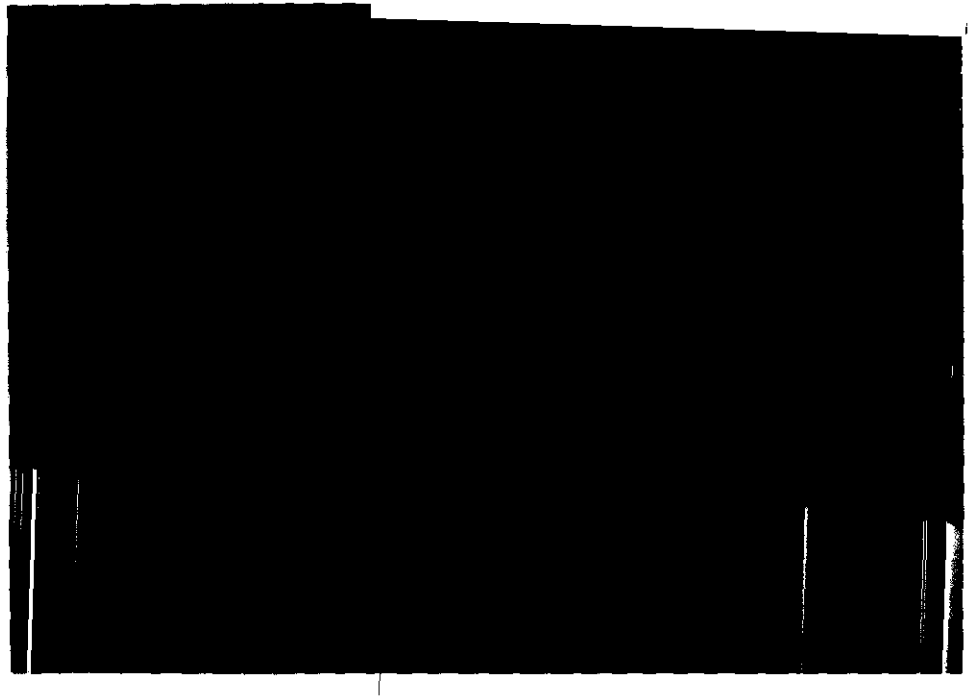


$P_3 - 3$ Curve of Road at Rubys Place showing water level on stake.

5/17/89

5-K

F & G 5 - K

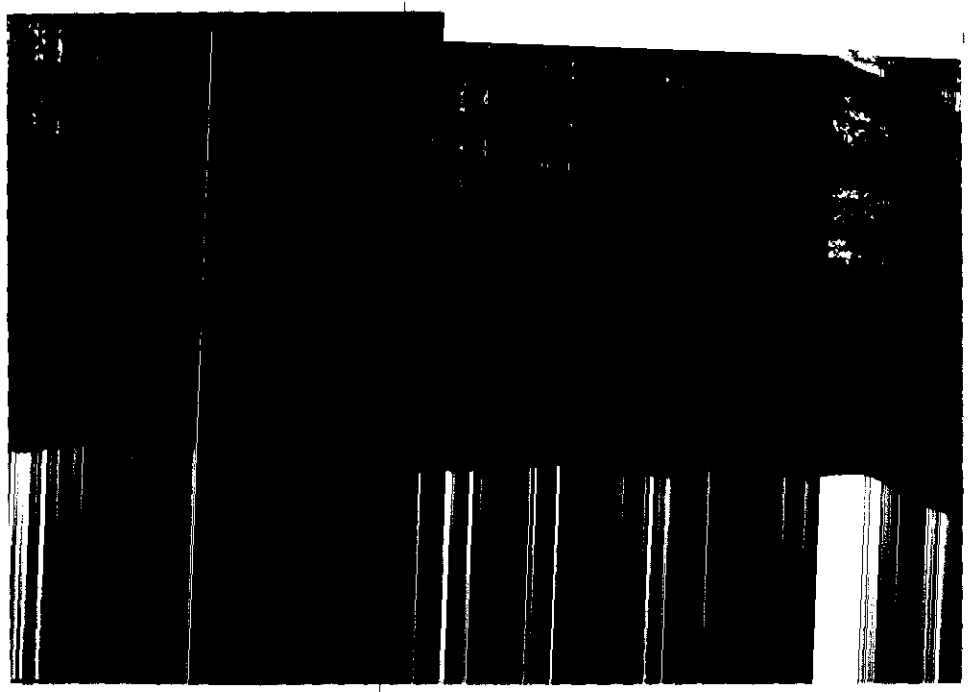


P16 Looking SW of Petrucks

7/19/89

5-L

F+C 5-L



P15 Looking SSW of Petrick's at Pond

7/19/89

5-M

F+G 5-M



P17 N arm of Pond W. of Petricks 7/19/89

5-N

F+G 5-N

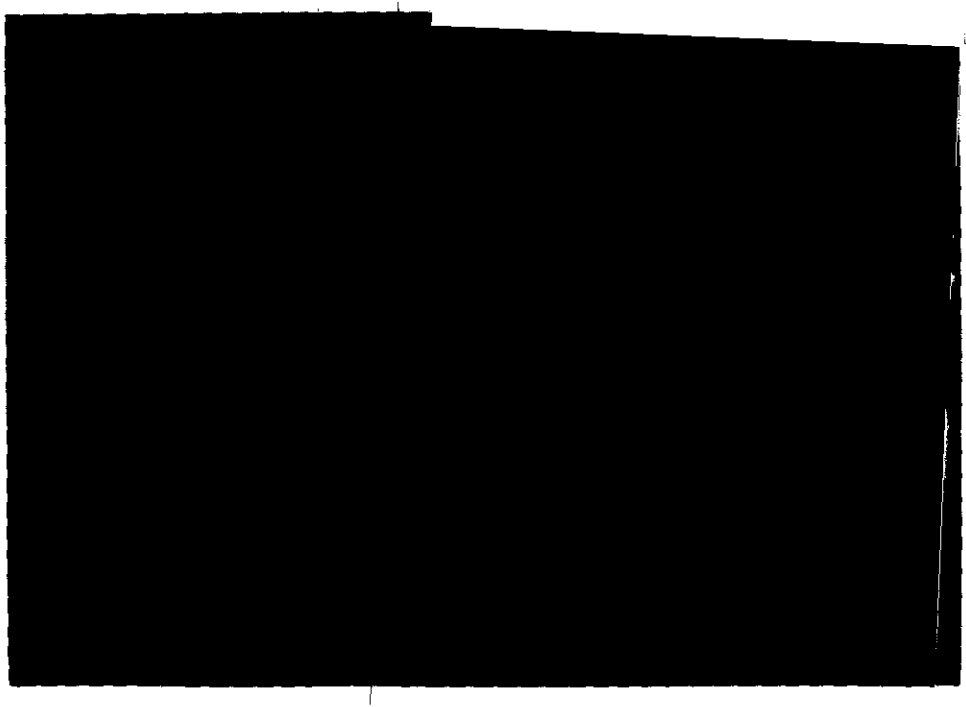


$P_{18} \rightarrow$ W down drain at bend of road N. of Petricks

7/19/89

5-0

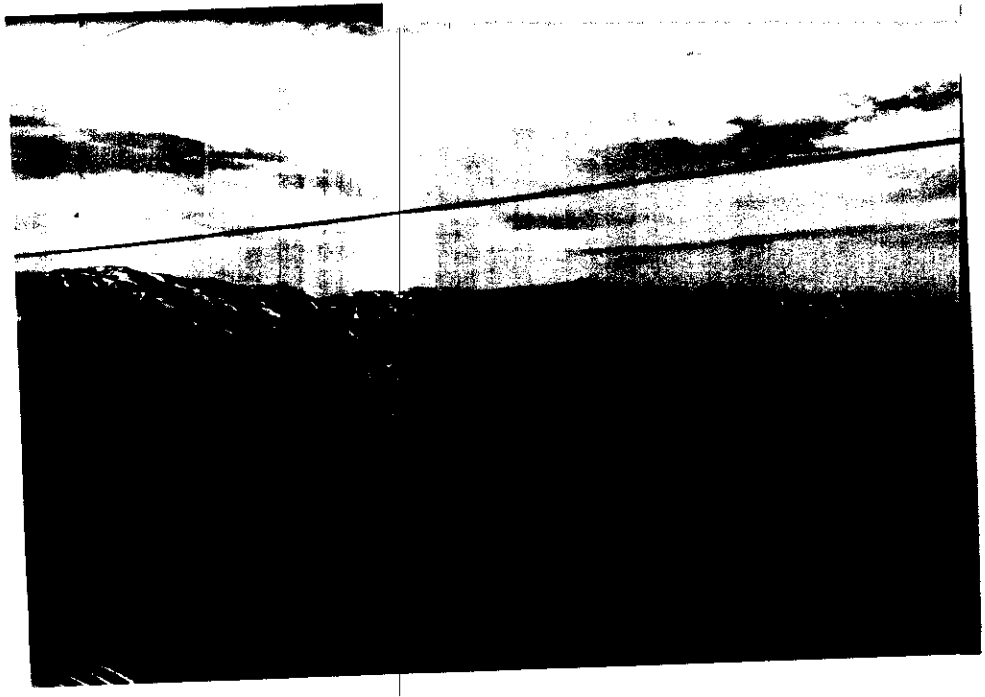
F+G 5-0



P14 Canada Hesse on
dwg N. of Petrie's
Road.

5-P

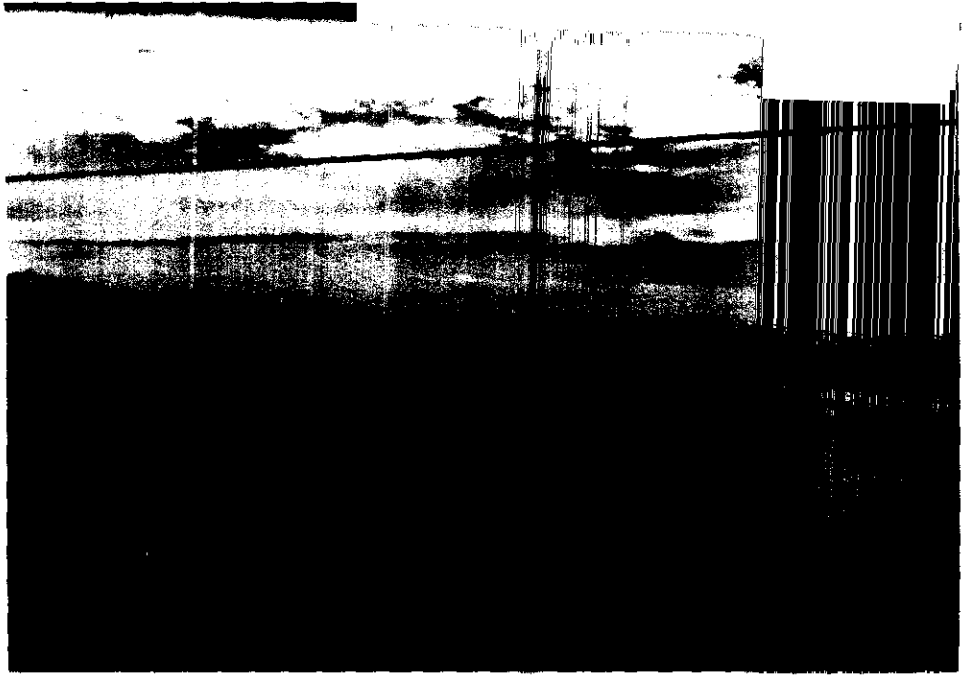
F & G 5-P



P_2-8 at culverts → w

4/20/89

F + G 6A



$P_2 - 9$ at culvert → W

4/20/89

F & G 6-B



$D_3 - 1 \rightarrow$ W from big culverts.

5/17/89

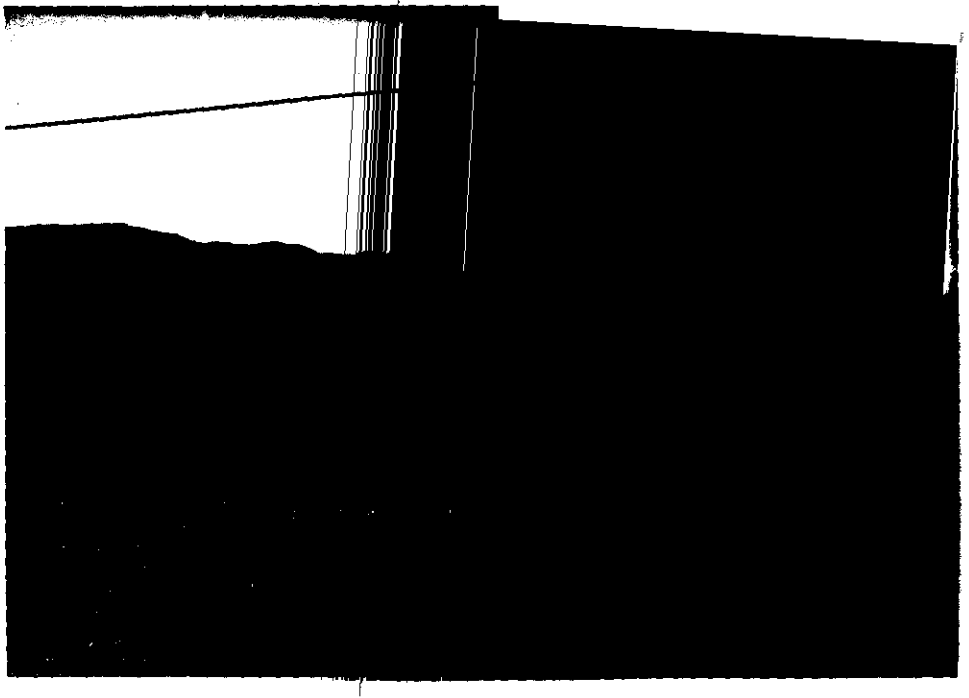
F+G 6-C



$P_3 - 2$ Looking at water level at culverts

5/17/89.

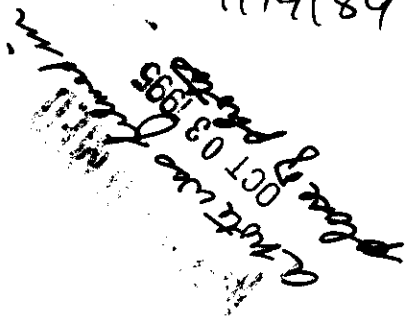
F & G 6-D



$P_{1,9} \rightarrow w$ at large currents

E of area.

7/19/89



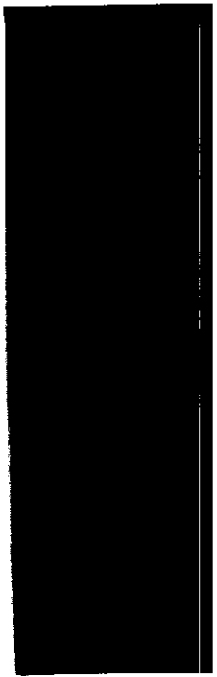
F & G 6 E



P1 - 18 Looking E from Hill City Road near Corral.

4/20/89

F&G 4-A



P1-14 Looking SE off north end of Bill City road.

4/20/89

Fig 4-B

P1-19 Looking NE at junction of Hill City + Olson roads.

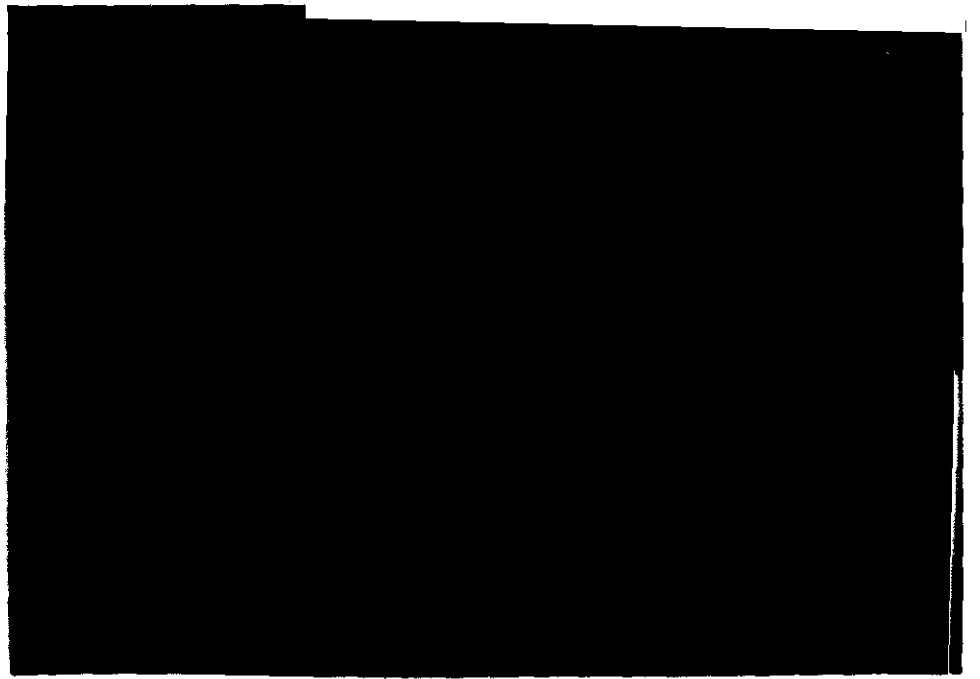
4/20/89

F+G 4-C

P_2 - 8 → E at second culvert north of gateposts.

5/17/89

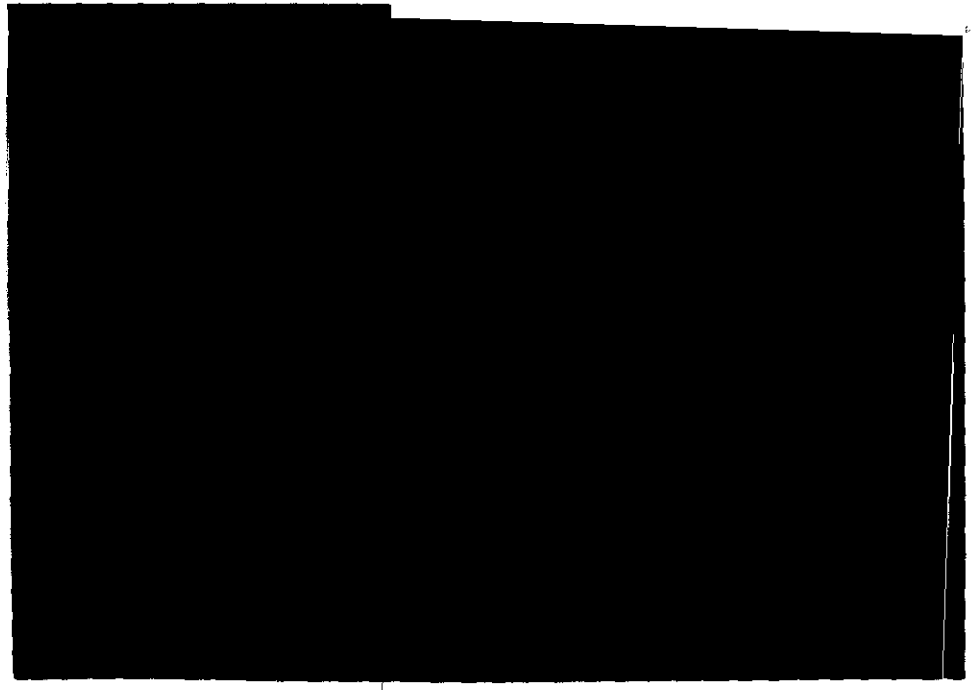
F & G 4 - D



P_2-6 → E at culvert 100 M
N of gatepost.

5/17/89

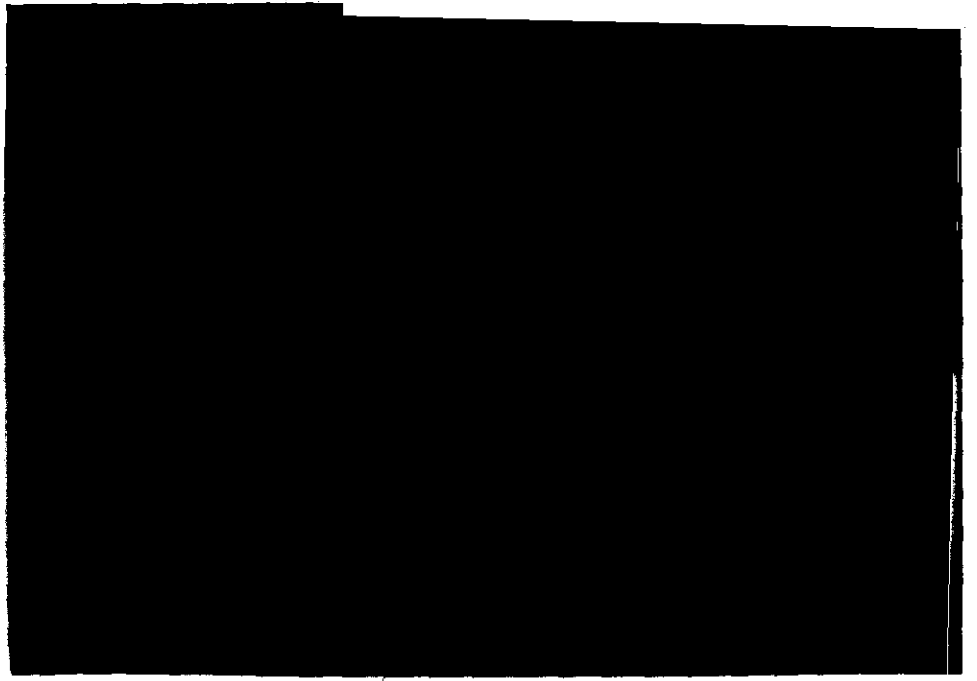
F & G 4-E



$P_2 - 10 \rightarrow E$ toward HQ
north of Corral.

5/17/89

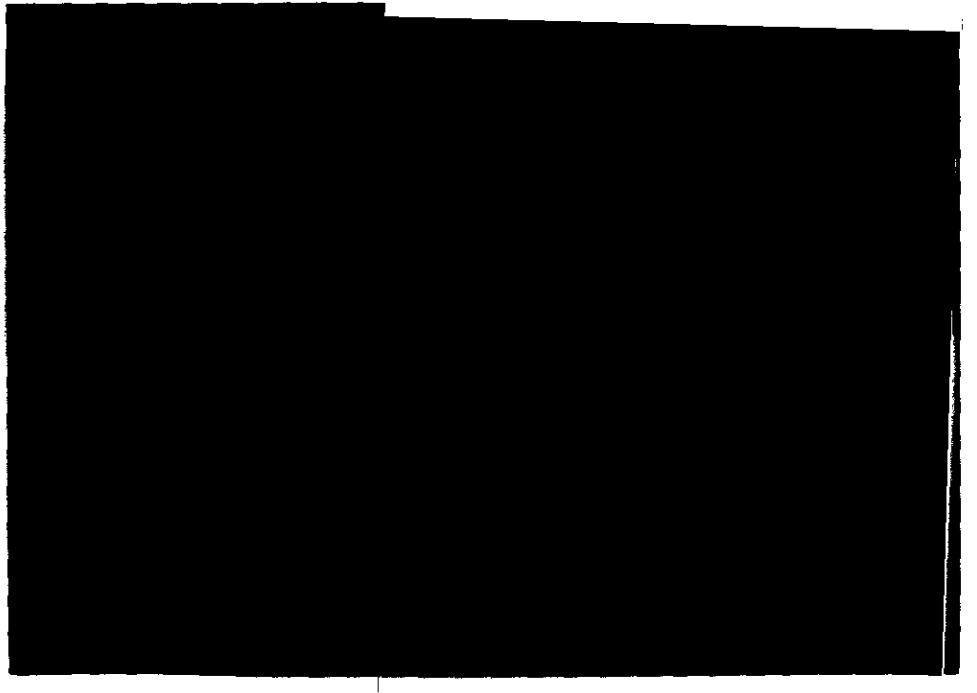
F + G 4-GF



$P_2 \rightarrow 4 \leftrightarrow E$ at gateposts on Hill City Road

5/17/89

F+C 4 - ~~8~~

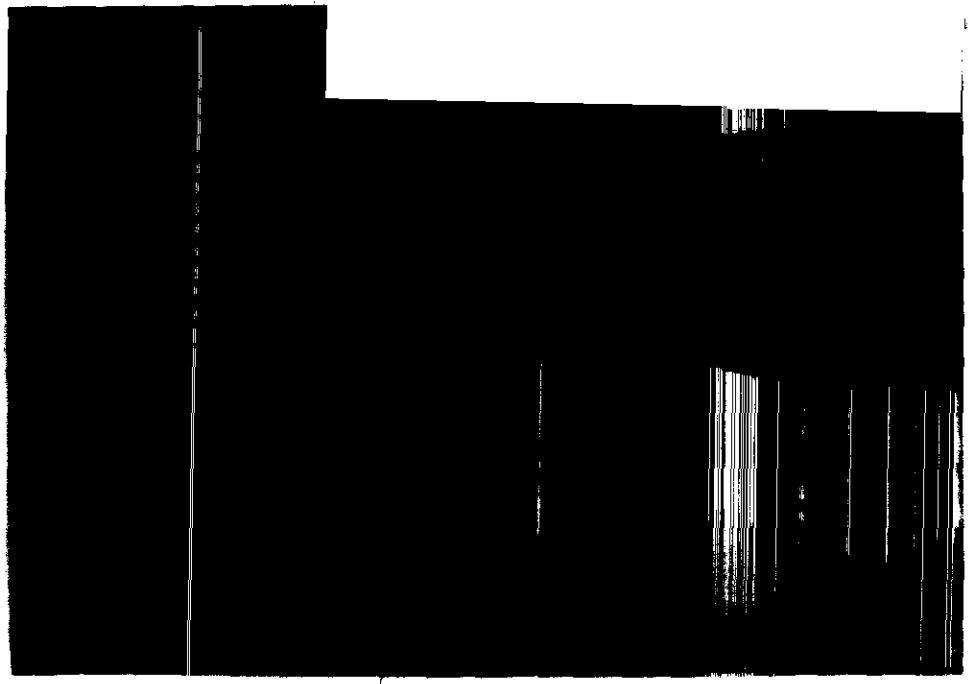


$P_2 - 2 \rightarrow E$ from S. culvert

Hill City Road

5/17/89

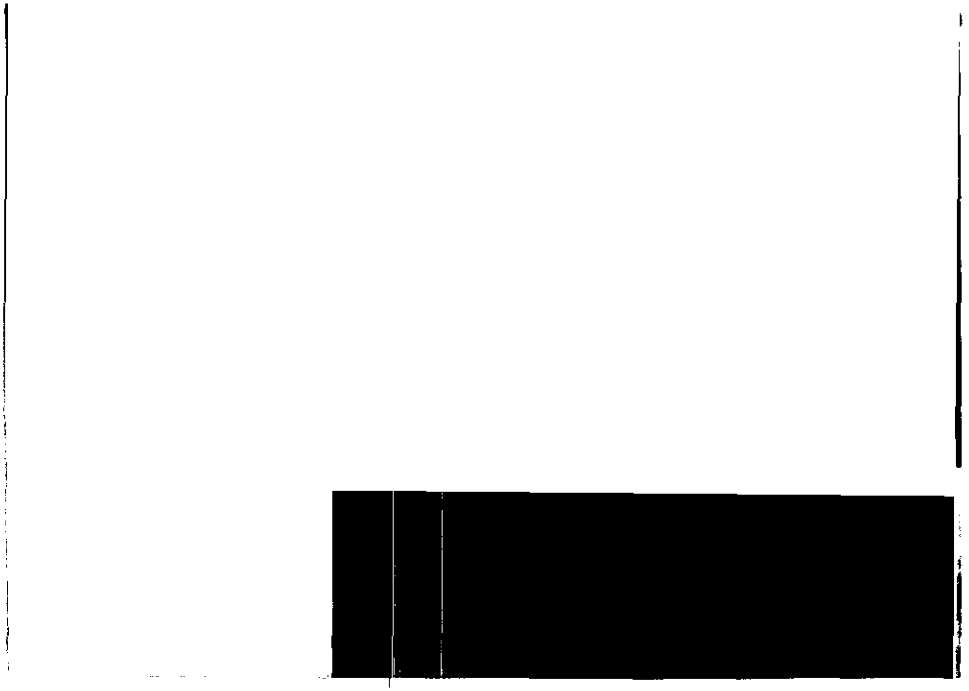
F to G 4-#



$P_{12} \rightarrow E$ at culvert 250 m
N. of canal.

7/19/89

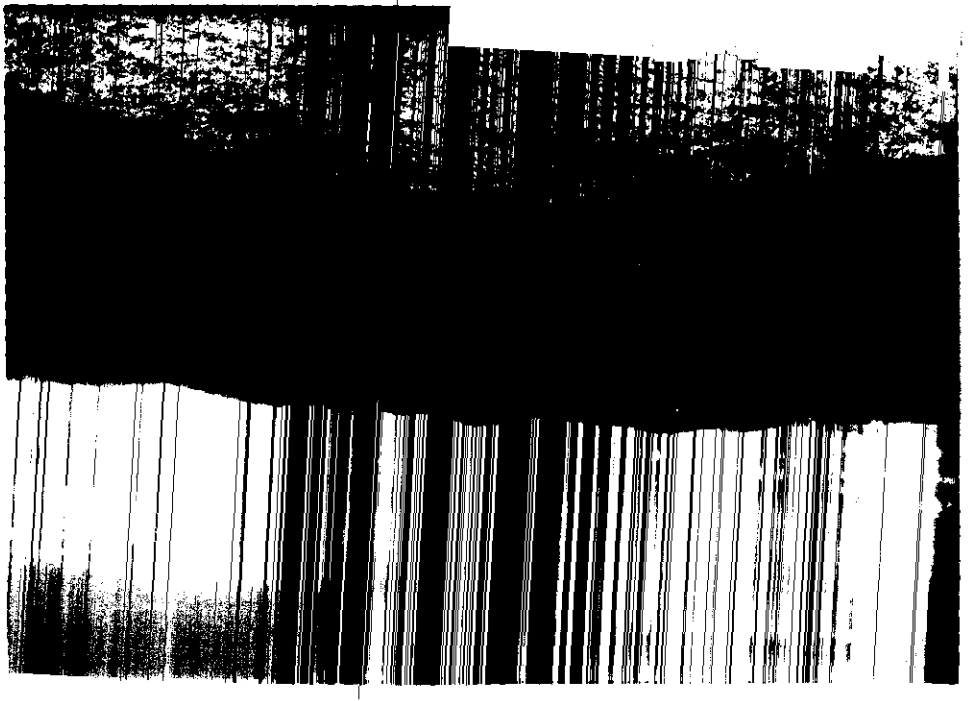
F + G 4.1



$P_{10} \rightarrow E$ at culvert 150 m
N of corral

7/19/89

F + G 4-5



Pa → E at 4th culvert from S. 100 m S. of corral

7/19/89.

Ft G 4-K



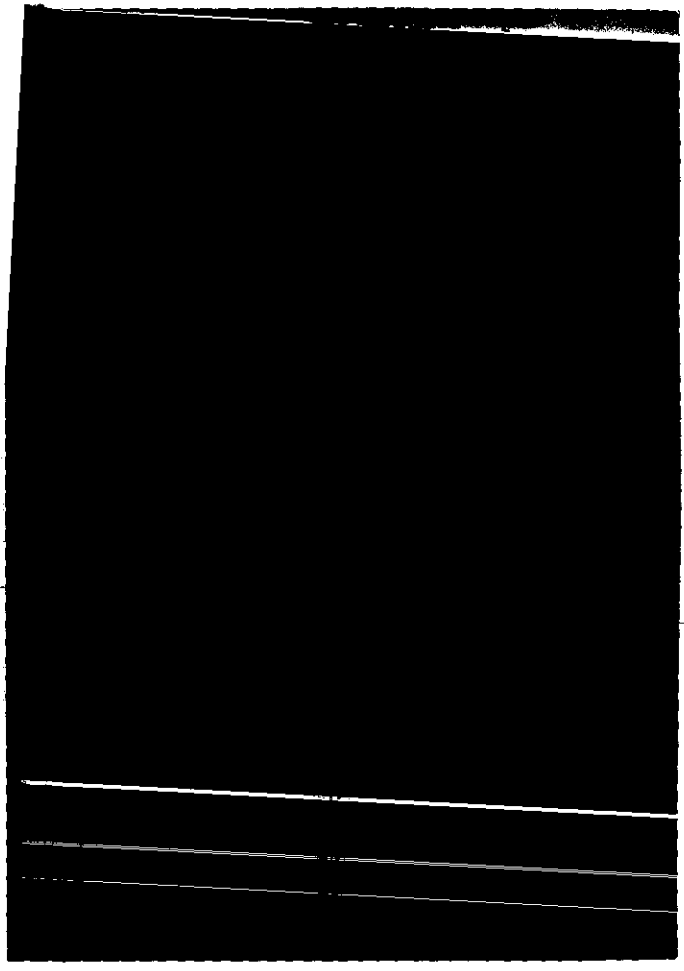
$P_5 \rightarrow E$ Hill City Road at first culvert heading north ~~at~~ old gate post.

7/19/89

F & G 4-L

$P_8 \rightarrow E$ at 3rd culvert from S. on Hill City Road.

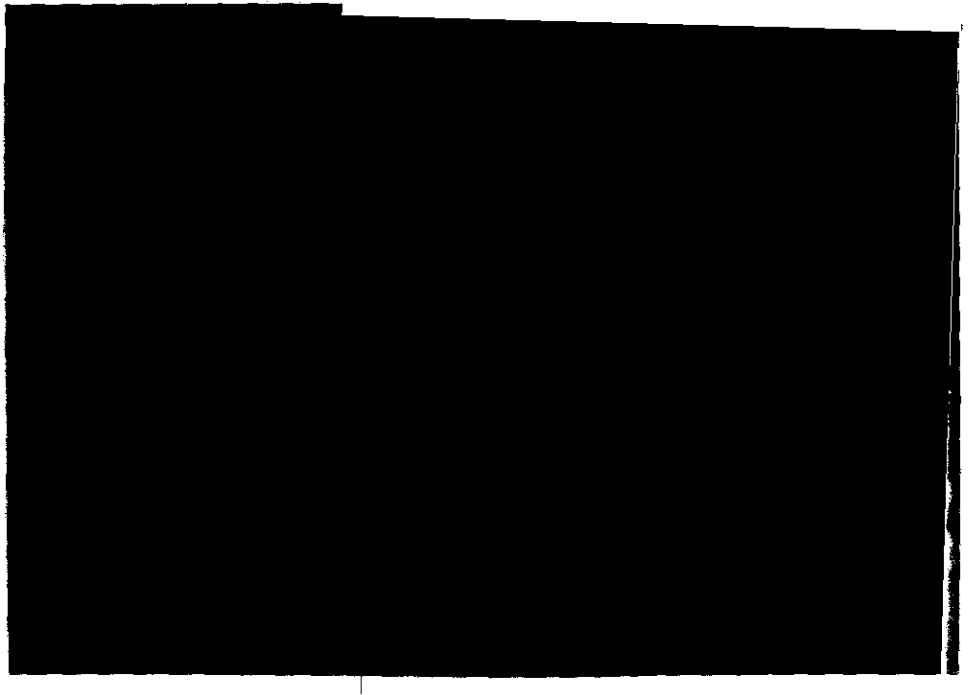
F & G 4-M.



P1 - 13 Looking SW off n. end of Hill City Road.

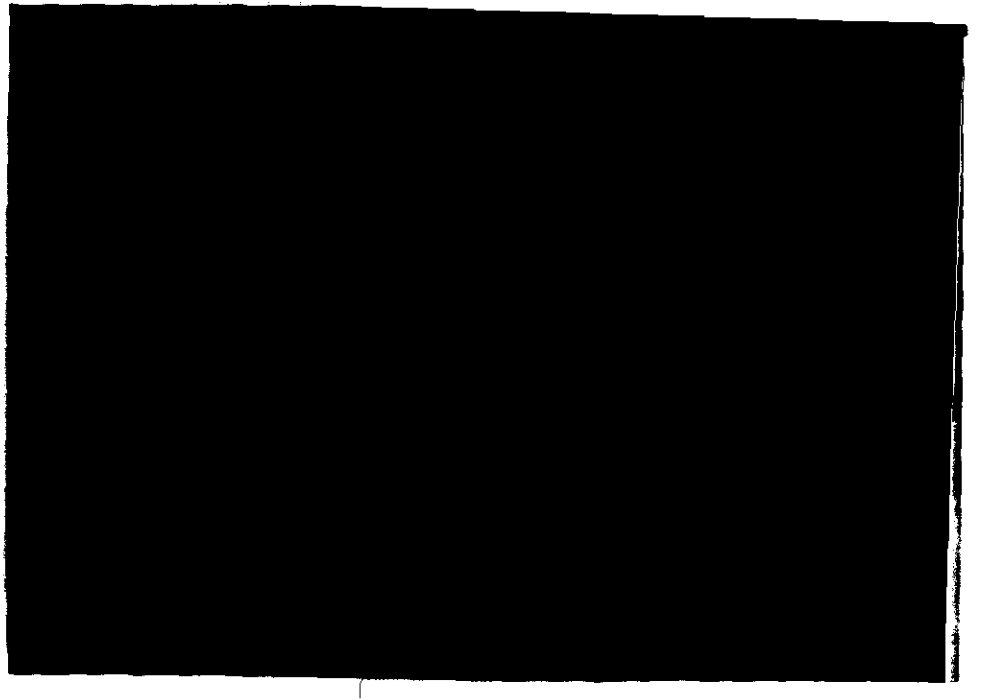
Fig 3A

4/20/89



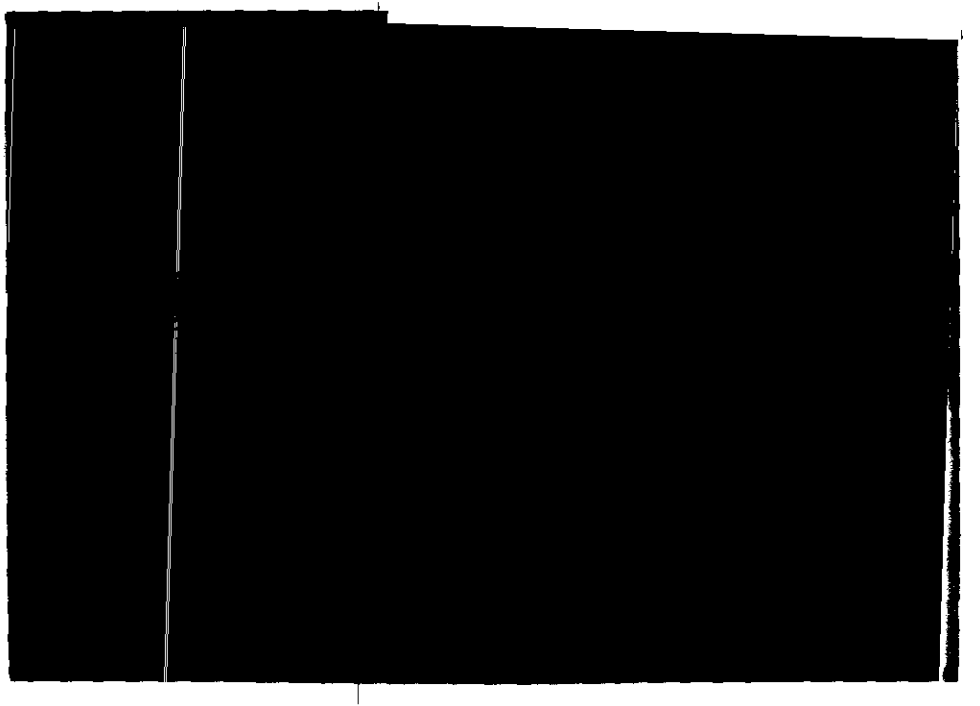
P. 17 - Looking W from Hill City Road by corral.

F + G 3B 4/20/89



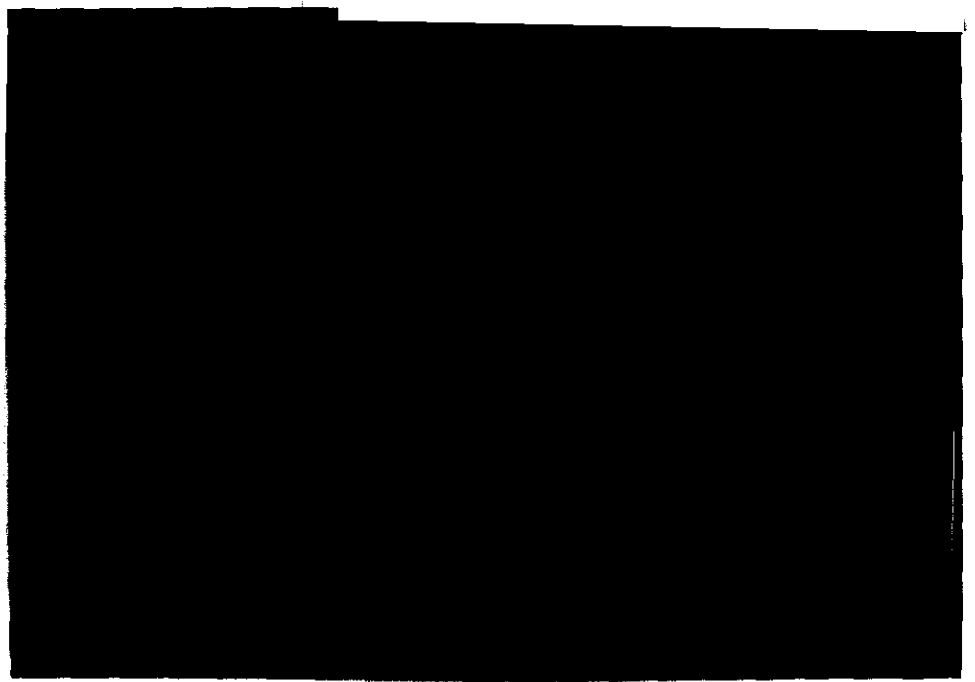
P 16 Looking W from Hill City Road.

F + G 3 C 4/20/89



P1 - 9 Looking SW [redacted] off Hill
City road by S. bridge

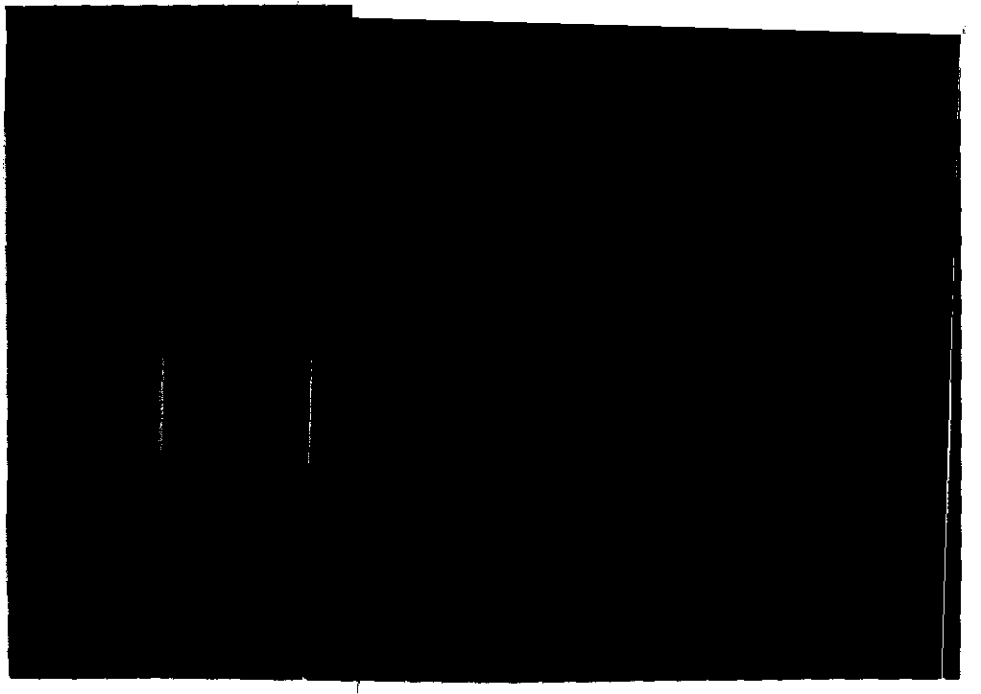
F & C 3 D 4/20/89



$P_2 - 3 \rightarrow w$ at gatepost culverts

5/17/89

F & G 3 E



$P_2 - 7 \rightarrow$ w at ~~second~~ current N.
of gateposts.

5/17/89

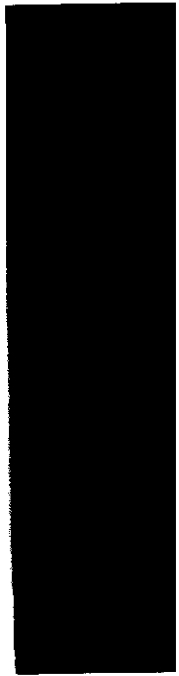
F + G 3 F



P_2 – 11 Canada geese nesting in rockpile W of Hill City Road

5/17/89

F + G 3 G



P_2-12 → W of Hill City road near N. end of road.

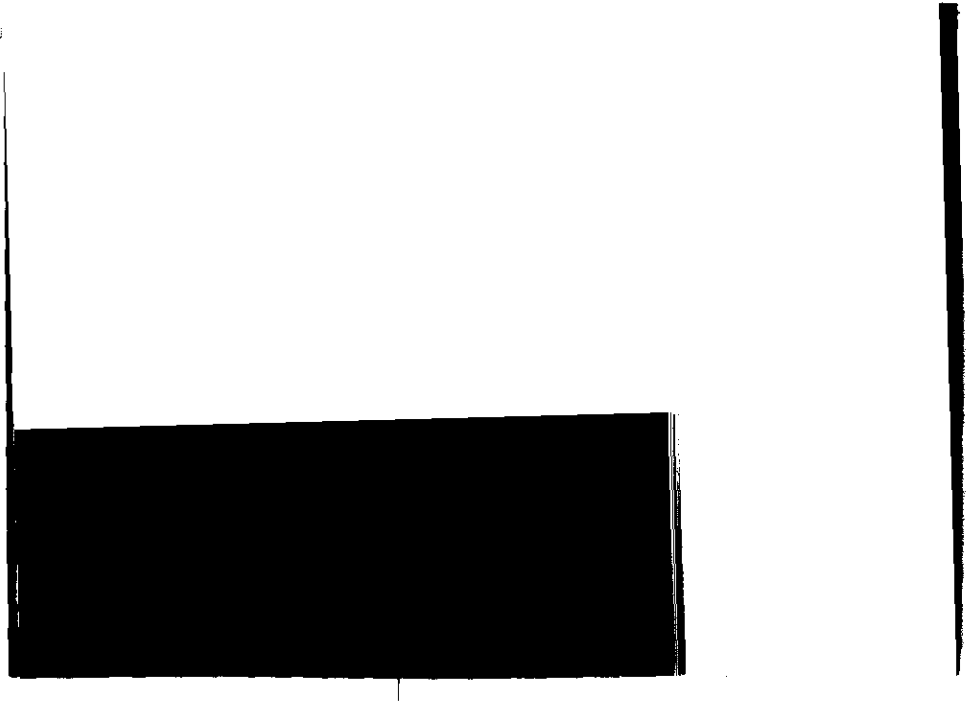
F+G 3 H



P_2 - 14 → W at north end of Hill City road.

5/17/89

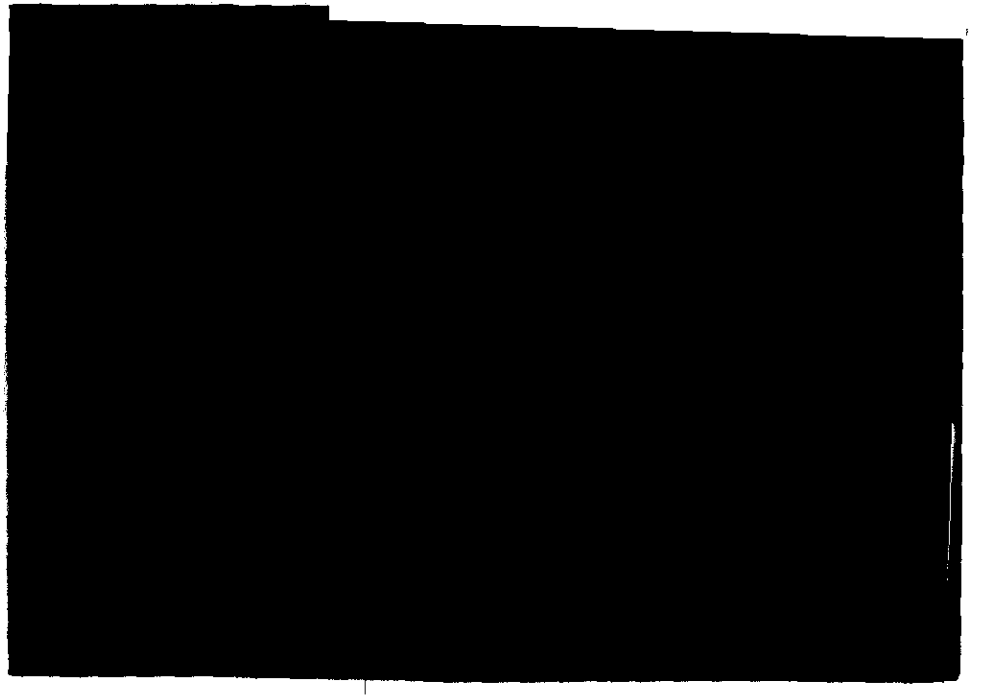
F + G 3 I.



P_6 → W Hill City Road
First culvert from S
at old gate post.

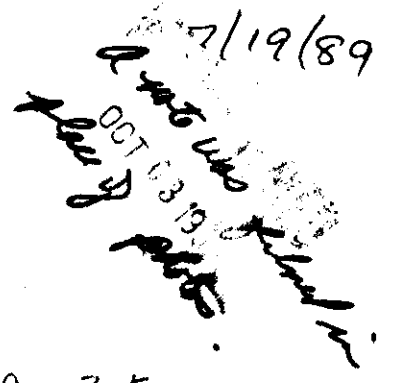
7/19/89

Ft G 3J



~~B-F-O~~ of

$P_7 \rightarrow W$ at ~~second~~ culvert from S on Hill City Rd.



F & G 3 K

7/29/88

ATTN:
Steve Goddard

Subject: CAMAS CR. & Big Wood R. data

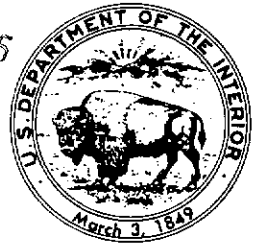
FROM: Chief, Hydro Records Unit

U.S. GEOLOGICAL SURVEY
Water Resources Division
230 Collins Road
Boise, ID 83702

Lin Douglas

This informational material
is being sent in reply to
your recent request.

OCT 03 1995



AUG 1 1988

Sincerely,

For: Edward L Young

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	37	e34	31	32	39	37	147	307	81	---	---
2	49	43	e42	e29	32	36	36	145	310	76	---	---
3	47	46	e40	e28	e31	34	46	131	277	71	---	---
4	47	44	39	e32	e30	31	58	103	347	66	---	---
5	45	43	37	34	29	31	54	108	557	---	---	---
6	46	43	37	34	29	31	56	114	612	---	---	---
7	45	49	40	35	29	30	59	123	492	---	---	---
8	43	44	34	35	29	29	66	118	411	---	---	---
9	42	43	33	35	34	28	82	108	331	---	---	---
10	41	43	42	36	38	28	111	98	289	---	---	---
11	42	41	40	40	46	27	114	92	287	---	---	---
12	42	40	34	37	50	27	118	91	277	---	---	---
13	43	44	29	41	43	26	123	103	271	---	---	---
14	42	43	e25	43	33	25	134	136	246	---	---	---
15	40	40	e26	42	35	26	139	145	250	---	---	---
16	39	40	e29	40	35	27	150	152	257	---	---	---
17	39	39	e35	40	31	27	156	232	258	---	---	---
18	38	37	e33	e34	30	26	164	345	242	---	---	---
19	37	36	e33	e30	29	26	210	300	230	---	---	---
20	37	36	e30	e32	28	27	258	252	221	---	---	---
21	37	37	e34	e32	31	28	336	228	204	---	---	---
22	39	37	e34	e33	39	29	322	239	191	---	---	---
23	39	35	e33	34	39	29	283	287	173	---	---	---
24	39	35	e29	34	37	29	258	319	158	---	---	---
25	38	35	e26	33	35	30	230	395	131	---	---	---
26	38	34	e27	32	35	30	192	426	113	---	---	---
27	36	30	31	32	35	31	173	431	108	---	---	---
28	36	e32	32	32	37	32	160	387	99	---	---	---
29	37	e32	33	33	46	34	154	364	91	---	---	---
30	38	e30	33	33	---	38	149	369	85	---	---	---
31	37	---	32	32	---	35	---	365	---	---	---	---
TOTAL	1269	1168	1036	1068	1007	926	4428	6853	7825	---	---	---
MEAN	40.9	38.9	33.4	34.5	34.7	29.9	148	221	261	---	---	---
MAX	51	49	42	43	50	39	336	431	612	---	---	---
MIN	36	30	25	28	28	25	36	91	85	---	---	---
AC-FT	2520	2320	2050	2120	2000	1340	8780	13590	15520	---	---	---

CAL YR 1987 TOTAL 34269 MEAN 93.9 MAX 781 MIN 25 AC-FT 67970

e Estimated

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	176	150	54	47	45	60	e240	215	127	84	58
2	159	175	146	54	47	47	58	e275	203	132	84	58
3	156	174	144	52	48	53	111	e240	191	136	79	56
4	157	173	144	54	47	65	145	e200	188	128	76	57
5	168	173	148	54	46	81	145	166	194	113	75	55
6	170	172	156	54	46	131	149	175	200	100	73	53
7	172	171	155	53	46	105	169	182	230	95	67	53
8	175	168	146	52	45	103	176	182	310	91	65	54
9	174	163	141	52	45	101	172	184	301	88	61	54
10	175	157	122	52	45	94	172	188	e310	92	61	51
11	179	149	123	e54	45	96	170	195	e290	96	60	50
12	176	164	118	55	50	93	170	196	e245	98	61	50
13	175	165	99	53	71	117	165	195	211	93	64	51
14	175	166	99	e54	75	121	156	195	189	84	68	51
15	178	169	98	58	63	110	152	193	183	80	71	51
16	179	168	98	e54	55	102	162	e230	175	76	72	51
17	179	171	93	e51	52	101	166	e680	164	81	74	52
18	180	170	70	48	51	112	159	781	152	104	73	51
19	180	175	67	47	49	105	168	615	149	110	72	53
20	179	177	67	e47	48	95	164	496	140	112	69	52
21	177	176	65	e46	47	89	154	405	129	108	71	51
22	177	174	63	e46	47	84	124	325	121	118	71	52
23	174	172	61	44	46	83	126	252	110	119	72	50
24	172	174	58	45	46	80	145	203	101	118	72	51
25	170	171	56	47	45	73	149	215	102	109	69	49
26	169	162	55	48	44	71	153	220	95	102	66	46
27	168	159	54	47	e43	72	170	208	89	96	65	47
28	167	166	54	50	e43	71	176	196	95	92	63	48
29	173	165	52	47	---	e59	189	199	104	95	62	50
30	178	158	53	47	---	59	193	203	111	91	60	49
31	179	---	53	46	---	59	---	210	---	86	59	---
TOTAL	5350	5053	3008	1565	1382	2677	4568	8444	5297	3170	2139	1554
MEAN	173	168	97.0	50.5	49.4	86.4	152	272	177	102	69.0	51.8
MAX	180	177	156	58	75	131	193	781	310	136	84	58
MIN	156	149	52	44	43	45	58	166	89	76	59	46
AC-FT	10610	10020	5970	3100	2740	5310	9060	16750	10510	6290	4240	3080

CAL YR 1986 TOTAL 189020 MEAN 518 MAX 4060 MIN 42 AC-FT 374900
WTR YR 1987 TOTAL 44207 MEAN 121 MAX 781 MIN 43 AC-FT 87680

e Estimated

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	156	79	45	130	275	926	930	3650	684	174	124
2	149	152	86	43	140	292	882	922	3710	669	168	122
3	146	150	95	45	141	312	821	1130	3770	636	155	119
4	147	150	94	44	131	335	812	1540	4060	576	139	116
5	148	150	98	45	120	358	812	1490	3890	539	126	112
6	146	148	109	43	115	370	838	1390	3470	490	117	110
7	150	148	118	43	100	407	930	1240	2870	450	116	108
8	155	148	130	44	90	617	974	1100	2440	420	117	108
9	154	135	132	44	78	598	981	981	2140	400	119	113
10	151	125	124	44	80	570	1020	1010	1820	375	120	116
11	155	130	90	44	90	558	1070	999	1770	310	121	114
12	152	145	75	43	99	520	1090	897	1840	300	118	113
13	148	140	60	43	106	481	1030	853	1800	300	116	113
14	148	135	55	42	107	451	965	838	1850	290	115	121
15	150	130	50	43	147	423	920	757	1850	235	112	124
16	148	125	55	44	169	429	900	682	1850	204	114	124
17	146	120	54	53	216	414	879	640	1800	198	118	123
18	144	115	53	51	258	383	843	660	1800	196	119	122
19	144	110	53	55	296	378	829	780	1700	202	119	120
20	142	110	52	73	245	385	858	1050	1500	202	118	122
21	146	105	52	65	214	403	1010	1480	1300	212	122	122
22	155	100	51	60	205	435	1270	1620	1250	211	146	121
23	160	95	51	60	233	469	1530	1400	1250	208	148	119
24	160	90	50	60	274	500	1730	1220	1280	207	149	121
25	160	80	49	58	269	506	1590	1180	1200	209	140	130
26	160	80	49	60	271	503	1400	1490	1100	215	131	137
27	160	81	49	75	265	512	1260	2390	990	219	128	144
28	162	79	48	109	269	572	1140	3100	938	209	118	147
29	160	82	48	123	---	707	1090	3530	892	194	114	143
30	160	80	45	121	---	808	1000	3540	756	183	121	148
31	158	---	45	126	---	917	---	3680	---	179	124	---
TOTAL	4716	3594	2199	1848	4358	14888	31400	44519	60536	9922	3962	3676
MEAN	152	120	70.9	59.6	173	480	1047	1436	2018	320	128	123
MAX	162	156	132	126	296	917	1730	3680	4060	684	174	148
MIN	142	79	45	42	78	275	812	640	756	179	112	108
AC-FT	9350	7130	4360	3670	9640	29530	62280	88300	120100	19680	7860	7290

CAL YR 1985 TOTAL 82710 MEAN 227 MAX 969 MIN 45 AC-FT 164100
WTR YR 1986 TOTAL 186118 MEAN 510 MAX 4060 MIN 42 AC-FT 369200

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	191	92	75	68	70	212	606	513	116	106	81
2	140	204	38	78	66	70	238	716	481	112	105	101
3	141	217	80	78	66	70	289	829	399	105	106	109
4	132	209	77	83	66	71	360	917	384	103	103	86
5	120	204	75	85	66	70	415	859	380	100	97	83
6	118	207	75	86	68	71	489	771	415	98	91	100
7	118	205	74	86	70	76	532	733	456	100	88	330
8	118	207	74	86	70	77	629	761	561	97	86	390
9	117	207	74	90	72	100	713	758	580	94	85	540
10	118	205	75	107	72	116	751	738	527	91	86	570
11	120	210	77	106	72	126	807	659	477	92	83	450
12	130	221	83	99	74	134	821	598	441	91	86	390
13	134	231	85	85	72	135	828	549	418	97	86	344
14	141	229	79	80	72	136	878	519	412	103	85	294
15	168	205	80	82	70	135	969	548	395	99	83	265
16	179	200	84	82	70	139	937	541	392	94	80	235
17	188	194	80	86	70	143	939	518	369	90	80	232
18	195	188	78	85	70	151	918	526	337	84	80	240
19	194	193	76	85	70	159	884	562	318	82	79	221
20	193	190	74	87	71	170	802	600	300	82	76	216
21	197	193	78	97	70	178	744	637	288	77	76	205
22	195	194	77	114	70	180	691	649	267	85	75	163
23	193	189	76	109	70	187	644	680	234	88	75	164
24	194	193	78	102	70	192	595	747	180	95	75	161
25	191	187	80	95	71	197	568	812	174	96	73	157
26	197	174	79	90	70	196	532	845	179	94	70	154
27	203	157	80	85	70	195	502	806	160	91	73	149
28	198	158	79	80	71	190	481	782	149	90	72	147
29	202	96	79	80	---	180	499	713	137	91	72	150
30	197	96	79	75	---	185	545	635	121	96	74	152
31	193	---	79	70	---	197	---	548	---	108	76	---
TOTAL	5062	5754	2444	2728	1957	4296	19212	21162	10444	2941	2582	6879
MEAN	163	192	78.8	88.0	69.9	139	640	683	348	94.9	83.3	229
MAX	203	231	92	114	74	197	969	917	580	116	106	570
MIN	117	96	74	70	66	70	212	518	121	77	70	81
AC-FT	10040	11410	4850	5410	3380	8520	38110	41970	20720	5830	5120	13640

CAL YR 1984 TOTAL 194077 MEAN 530 MAX 3280 MIN 74 AC-FT 385000
WTR YR 1985 TOTAL 85461 MEAN 234 MAX 969 MIN 66 AC-FT 169500

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	325	382	330	290	240	201	299	701	3170	1890	491	207
2	285	420	325	290	230	199	311	693	2620	1770	460	196
3	254	405	320	305	240	196	325	709	2190	1740	415	185
4	277	385	325	310	230	188	339	709	1950	1650	388	178
5	262	380	290	300	225	183	373	678	1770	1460	368	175
6	258	390	319	300	220	185	478	641	1630	1390	353	188
7	266	450	342	295	185	190	449	598	1510	1400	282	190
8	266	435	357	290	193	190	478	605	1390	1280	252	188
9	347	410	362	280	222	193	503	693	1280	1090	234	190
10	472	410	392	280	222	196	472	892	1220	883	231	183
11	420	440	409	285	207	199	449	955	1150	781	188	178
12	403	420	403	289	210	207	437	1130	1080	701	136	171
13	376	420	398	289	231	207	431	1500	1070	647	124	168
14	392	390	392	289	248	245	431	2130	1040	549	118	164
15	392	370	387	230	216	263	484	2820	993	466	124	161
16	382	350	310	210	241	263	656	2820	1270	409	140	159
17	366	365	302	185	222	263	946	2270	1410	378	164	157
18	352	375	289	175	213	241	1010	1890	1480	368	171	159
19	342	385	273	195	193	231	1020	1830	1470	373	180	155
20	328	390	221	210	210	248	964	2110	1810	383	185	150
21	315	360	210	225	213	282	955	2440	2030	404	196	150
22	289	320	195	240	207	295	1030	2310	1680	426	210	142
23	281	330	195	240	204	307	1170	2180	1420	556	207	110
24	281	350	215	235	213	307	1200	2140	1420	648	204	113
25	273	350	235	250	213	303	1130	2000	1500	485	207	115
26	277	320	250	250	207	291	1020	1820	1790	426	201	113
27	273	320	270	245	190	275	919	1900	1890	426	204	118
28	273	320	280	255	193	259	840	1930	2080	536	196	131
29	277	305	290	240	201	259	789	2110	2360	789	180	136
30	298	295	305	230	---	267	725	2570	2360	685	178	138
31	324	---	305	230	---	282	---	3280	---	569	193	---
TOTAL	9926	11242	9496	7937	6239	7415	20633	51054	50033	25558	7180	4768
MEAN	320	375	306	256	215	239	688	1647	1668	824	232	159
MAX	472	450	409	310	248	307	1200	3280	3170	1890	491	207
MIN	254	295	195	175	185	183	299	598	993	368	118	110
AC-FT	19690	22300	18840	15740	12380	14710	40930	101300	99240	50690	14240	9460

CAL YR 1983 TOTAL 294901 MEAN 808 MAX 5120 MIN 87 AC-FT 584900
WTR YR 1984 TOTAL 211481 MEAN 578 MAX 3280 MIN 110 AC-FT 419500

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	68	85	60	52	94	242	1270	1360	2830	390	204
2	62	68	88	58	52	114	212	1640	1360	2510	360	200
3	60	66	90	57	51	117	225	2280	1300	2380	321	193
4	58	64	87	60	51	108	233	2380	1280	2480	294	193
5	60	62	92	60	40	108	208	1980	1300	2140	321	193
6	60	63	93	54	43	104	212	1790	1270	1590	246	208
7	62	62	100	54	49	108	200	1730	1140	1420	229	208
8	66	62	104	54	48	114	193	1530	1020	1330	229	204
9	68	62	104	56	48	126	200	1080	883	1340	204	197
10	69	62	104	56	43	150	216	845	827	1330	189	189
11	78	62	104	52	44	189	305	669	989	1290	179	186
12	76	62	96	54	44	189	384	588	1420	1290	165	182
13	76	75	95	54	46	168	436	619	2090	1400	156	186
14	78	79	95	57	47	172	469	781	2550	1510	172	208
15	78	73	100	56	52	172	456	989	2680	1460	186	204
16	76	84	99	57	70	175	429	1280	2960	1220	179	197
17	76	89	84	57	70	165	436	1530	3000	1050	165	193
18	76	94	76	57	64	175	442	1770	2940	949	175	186
19	76	92	99	57	62	172	416	1990	3130	892	182	182
20	79	92	157	52	64	162	403	2130	3360	836	172	186
21	76	98	136	55	70	156	429	2250	3240	790	172	182
22	75	113	114	54	82	153	469	2450	3290	728	179	168
23	75	106	89	56	89	153	520	2510	3340	604	175	159
24	73	110	81	56	86	162	720	2640	3360	520	179	153
25	73	115	75	56	82	182	959	2860	3470	527	189	156
26	72	102	69	55	89	216	1030	3160	3290	462	216	168
27	68	90	65	55	92	225	1030	3420	3000	422	225	165
28	67	89	63	54	92	238	1140	3080	3040	456	216	159
29	69	80	62	54	---	233	1240	2450	3080	436	216	156
30	70	80	62	53	---	216	1190	1930	2840	456	225	153
31	69	---	60	53	---	225	---	1510	---	422	220	---
TOTAL	2187	2424	2828	1723	1722	5041	15044	57131	68809	37070	6726	5518
MEAN	70.5	80.8	91.2	55.6	61.5	163	501	1843	2294	1196	217	184
MAX	79	115	157	60	92	238	1240	3420	3470	2830	390	208
MIN	58	62	60	52	40	94	193	588	827	422	156	153
AC-FT	4340	4810	5610	3420	3420	10000	29840	113300	136500	73530	13340	10940

CAL YR 1981 TOTAL 100073 MEAN 274 MAX 2490 MIN 58 AC-FT 198500
WTR YR 1982 TOTAL 206223 MEAN 565 MAX 3470 MIN 40 AC-FT 409000

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	117	84	70	104	131	150	1880	1570	422	92	76
2	136	112	87	73	98	128	150	2490	1430	397	90	75
3	131	108	94	76	96	128	136	2290	1320	337	89	73
4	106	106	108	79	90	123	133	1770	1190	321	87	72
5	104	106	100	81	85	123	128	1400	1110	331	87	72
6	108	108	96	81	92	126	126	1160	1340	321	87	72
7	108	114	89	72	90	123	123	979	1550	305	81	72
8	108	133	73	68	90	123	126	763	1460	256	82	72
9	108	141	68	72	97	121	114	604	2070	208	82	72
10	108	141	64	78	90	121	100	512	1640	162	96	69
11	110	123	62	81	80	123	106	476	1320	156	96	68
12	112	123	60	81	81	126	108	409	1070	147	96	66
13	114	121	60	84	94	126	104	331	892	133	94	66
14	121	114	57	85	150	128	108	275	772	128	90	65
15	126	110	57	85	136	128	114	300	628	123	89	65
16	131	106	57	85	153	133	147	284	565	119	89	64
17	123	106	58	89	260	138	238	265	542	117	90	62
18	114	104	65	92	165	136	300	242	498	114	92	62
19	114	104	70	94	175	141	416	310	483	112	96	61
20	114	106	68	94	168	147	745	449	628	112	100	60
21	114	112	64	96	138	150	763	611	661	117	100	60
22	112	121	61	100	133	144	763	661	677	119	98	60
23	108	106	61	100	141	141	737	686	661	121	94	61
24	104	98	60	104	156	136	949	790	588	121	92	61
25	100	92	61	106	150	131	1140	883	550	119	87	62
26	106	85	62	98	141	141	1210	1210	588	112	84	65
27	106	85	64	102	136	141	1260	1330	711	121	82	65
28	102	85	66	112	136	136	1210	1380	628	110	81	65
29	106	87	69	108	---	136	1310	1420	476	106	79	65
30	114	85	68	108	---	141	1510	1540	449	100	78	65
31	117	---	69	106	---	144	---	1630	---	96	78	---
TOTAL	3518	3259	2182	2760	3525	4114	14524	29330	28067	5563	2758	1993
MEAN	113	109	70.4	89.0	126	133	484	946	936	179	89.0	66.4
MAX	136	141	108	112	260	150	1510	2490	2070	422	100	76
MIN	100	85	57	68	80	121	100	242	449	96	78	60
AC-FT	6980	6460	4330	5470	6990	8160	28810	58180	55670	11030	5470	3950

CAL YR 1980 TOTAL 131340 MEAN 359 MAX 2170 MIN 31 AC-FT 260500
WTR YR 1981 TOTAL 101593 MEAN 278 MAX 2490 MIN 57 AC-FT 201500

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	43	38	35	32	68	104	1210	949	1210	197	78
2	48	43	39	34	33	69	104	1220	979	1200	162	76
3	47	43	39	33	33	73	102	1320	911	1670	131	76
4	48	47	38	33	33	84	102	1380	864	1530	119	72
5	48	47	38	34	33	89	102	1500	799	1410	108	75
6	48	45	38	34	33	82	108	1620	754	1260	100	70
7	48	44	39	34	35	79	108	1670	711	1050	89	72
8	46	44	39	33	34	76	100	1620	661	979	78	76
9	46	43	39	33	34	76	98	1690	636	979	78	78
10	46	43	39	33	34	81	98	1560	737	959	73	81
11	46	42	39	33	34	87	98	1530	1020	799	75	96
12	45	42	39	33	35	87	96	1370	1220	661	73	98
13	45	42	39	37	36	85	100	1130	1210	557	72	110
14	45	42	38	42	36	87	106	989	1080	505	76	182
15	46	42	38	38	36	90	128	911	1040	462	92	179
16	46	42	38	36	38	90	175	920	939	403	138	168
17	45	42	38	36	41	87	216	817	979	378	126	156
18	44	42	38	36	54	87	265	763	1280	343	128	141
19	58	42	37	34	57	96	337	855	1730	300	156	133
20	53	41	36	34	58	104	456	949	2090	289	126	138
21	49	39	36	33	56	112	636	1220	2170	279	110	153
22	47	39	36	33	51	114	677	1600	2140	265	92	150
23	46	40	36	33	48	112	737	1990	2130	256	85	144
24	45	39	36	33	47	108	808	2130	1920	238	76	141
25	43	40	36	32	46	106	949	1840	1620	225	75	136
26	42	40	36	32	46	108	1080	1600	1590	212	73	136
27	42	39	35	32	48	110	1110	1410	1400	204	72	136
28	42	39	35	32	55	108	1110	1250	1260	204	72	136
29	42	39	35	32	64	108	1250	1140	1210	202	70	141
30	42	39	35	32	---	108	1330	1070	1180	201	72	141
31	43	---	35	31	---	108	---	989	---	199	76	---
TOTAL	1429	1254	1157	1050	1220	2879	12690	41263	37209	19429	3070	3571
MEAN	46.1	41.8	37.3	33.9	42.1	92.9	423	1331	1240	627	99.0	119
MAX	58	47	39	42	64	114	1330	2130	2170	1670	197	182
MIN	42	39	35	31	32	68	96	763	636	199	70	70
AC-FT	2830	2490	2290	2080	2420	5710	25170	81850	73800	38540	6090	7080

CAL YR 1979 TOTAL 42568 MEAN 117 MAX 1050 MIN 35 AC-FT 84430
WTR YR 1980 TOTAL 126221 MEAN 345 MAX 2170 MIN 31 AC-FT 250400

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	100	124	47	44	43	112	352	381	94	68	66
2	152	97	100	49	46	43	108	362	315	92	66	66
3	152	95	91	51	46	43	107	371	257	89	62	63
4	149	89	112	50	43	42	108	403	315	79	61	60
5	141	88	117	50	43	43	113	442	347	76	60	60
6	139	87	87	51	43	43	120	448	366	76	60	62
7	133	87	74	50	43	44	132	419	333	74	63	62
8	130	85	69	48	43	46	138	381	276	73	65	61
9	122	87	69	48	43	45	154	357	235	73	66	60
10	120	89	69	47	43	44	172	324	208	73	64	60
11	115	89	68	49	43	45	175	284	186	73	64	59
12	115	91	68	50	43	50	167	257	193	70	67	60
13	115	92	66	50	45	59	162	253	201	66	72	59
14	114	96	64	48	56	66	160	261	185	65	77	57
15	114	98	63	47	55	77	160	272	175	65	78	57
16	110	105	61	47	51	140	172	338	155	66	73	58
17	115	110	61	48	47	107	193	484	141	67	71	57
18	119	113	62	47	45	88	213	517	141	71	70	56
19	115	119	61	47	44	82	213	524	136	73	73	56
20	115	122	60	46	44	84	205	530	118	73	73	55
21	113	126	59	46	44	87	205	571	112	76	72	53
22	110	134	60	47	43	78	203	611	101	103	69	54
23	108	134	59	47	43	75	235	718	103	116	67	53
24	108	128	60	46	43	82	253	876	99	101	64	53
25	108	120	59	46	43	93	239	1030	101	91	64	53
26	112	122	57	46	43	98	223	994	105	79	65	56
27	108	124	56	45	43	104	229	1050	107	80	65	54
28	108	120	53	45	43	117	257	1030	99	78	67	52
29	108	122	53	44	---	117	288	764	94	76	65	51
30	113	124	51	45	---	117	315	571	89	74	64	50
31	108	---	47	46	---	115	---	448	---	70	66	---
TOTAL	3741	3193	2160	1473	1255	2317	5531	16242	5674	2432	2081	1723
MEAN	121	106	69.7	47.5	44.8	74.7	184	524	189	78.5	67.1	57.4
MAX	152	134	124	51	56	140	315	1050	381	116	78	66
MIN	108	85	47	44	43	42	107	253	89	65	60	50
AC-FT	7420	6330	4280	2920	2490	4600	10970	32220	11250	4820	4130	3420

CAL YR 1978 TOTAL 127114 MEAN 348 MAX 2070 MIN 32 AC-FT 252100
WTR YR 1979 TOTAL 47822 MEAN 131 MAX 1050 MIN 42 AC-FT 94850

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	32	28	34	32	36	596	827	836	1170	172	58
2	41	31	29	35	33	36	628	855	790	1150	162	58
3	41	31	35	35	34	36	557	920	790	1120	153	57
4	41	30	36	35	34	36	527	989	817	1040	141	57
5	41	30	32	36	34	41	505	969	873	949	126	75
6	41	30	30	36	37	43	456	892	1060	827	123	123
7	41	30	29	36	37	42	469	817	1360	790	119	165
8	41	29	28	35	37	44	462	763	1630	799	108	193
9	40	29	28	36	37	48	442	772	1860	790	96	225
10	40	29	28	36	38	51	462	873	2070	781	96	200
11	42	29	28	36	37	56	512	1010	1970	790	94	208
12	40	29	29	36	36	61	527	1020	1630	737	92	206
13	40	28	29	36	36	61	527	989	1490	694	90	204
14	40	28	37	36	36	61	512	1060	1560	644	92	201
15	39	28	136	41	36	62	520	1300	1610	611	90	190
16	39	28	51	41	36	61	565	1390	1550	611	92	193
17	38	28	41	40	35	64	542	1320	1420	542	104	190
18	38	28	36	38	35	69	505	1200	1300	462	100	196
19	36	27	34	38	35	82	498	1070	1260	366	90	210
20	36	27	34	37	34	92	512	930	1160	360	85	209
21	36	26	33	36	34	108	505	883	1170	326	79	206
22	35	27	33	36	34	123	490	1060	1210	294	75	206
23	35	27	33	35	35	153	476	1280	1240	289	73	190
24	35	28	33	36	35	179	462	1390	1270	251	70	180
25	35	28	33	33	35	189	483	1340	1220	212	65	178
26	34	29	33	33	35	208	580	1150	1120	182	61	167
27	33	29	32	33	36	256	703	959	999	172	58	150
28	33	28	33	33	36	284	711	873	989	197	58	149
29	33	29	33	33	---	343	745	883	1110	204	60	155
30	33	29	34	33	---	403	817	939	1180	193	60	160
31	32	---	33	32	---	483	---	911	---	182	62	---
TOTAL	1171	861	1121	1106	989	3811	16296	31634	38544	17735	2946	4959
MEAN	37.8	28.7	36.2	35.7	35.3	123	543	1020	1285	572	95.0	165
MAX	42	32	136	41	38	483	817	1390	2070	1170	172	225
MIN	32	26	28	32	32	36	442	763	790	172	58	57
AC-FT	2320	1710	2220	2190	1960	7560	32320	62750	76450	35180	5840	9840

CAL YR 1977 TOTAL 17905 MEAN 49.1 MAX 289 MIN 26 AC-FT 35510
WTR YR 1978 TOTAL 121173 MEAN 332 MAX 2070 MIN 26 AC-FT 240300

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	74	72	58	44	40	57	47	49	55	44	41
2	96	74	74	58	43	40	57	47	47	57	45	41
3	96	74	70	58	43	41	56	48	47	58	44	41
4	94	74	67	57	43	41	53	47	46	65	43	41
5	94	77	66	56	42	41	51	48	58	82	44	41
6	98	80	69	55	41	41	51	51	125	76	47	40
7	98	80	69	50	41	42	51	56	125	66	46	41
8	94	83	70	46	41	43	49	57	172	63	48	39
9	90	83	73	44	41	50	47	58	189	58	47	38
10	85	83	70	46	41	50	47	58	279	56	46	37
11	82	83	68	47	41	49	47	57	289	54	45	36
12	79	82	68	48	41	50	47	55	237	50	44	36
13	79	79	68	48	41	51	47	51	178	49	43	36
14	77	76	70	49	41	51	48	49	152	50	43	36
15	76	76	70	49	41	53	44	47	136	51	43	37
16	76	77	70	49	41	54	41	47	110	51	42	37
17	74	79	72	49	42	54	40	47	90	49	42	39
18	74	77	70	49	43	55	41	54	82	48	41	40
19	74	77	68	49	44	56	43	56	77	47	41	40
20	74	76	65	48	44	55	43	56	87	46	41	40
21	74	76	61	48	45	56	44	54	89	49	40	41
22	74	77	60	48	42	57	45	51	74	49	39	41
23	74	76	62	47	41	58	45	55	69	53	39	41
24	74	76	61	47	40	60	47	60	65	58	39	41
25	74	74	58	47	40	60	47	60	62	61	40	40
26	74	70	62	47	40	57	45	55	58	56	44	40
27	74	66	66	46	40	57	46	57	56	51	44	39
28	74	65	66	45	40	58	46	54	55	53	42	39
29	74	66	63	46	---	60	45	51	54	49	40	39
30	74	68	63	46	---	58	46	50	54	47	40	40
31	74	---	61	44	---	58	---	49	---	45	40	---
TOTAL	2518	2278	2072	1524	1167	1596	1416	1632	3211	1702	1326	1178
MEAN	81.2	75.9	66.8	49.2	41.7	51.5	47.2	52.6	107	54.9	42.8	39.3
MAX	98	83	74	58	45	60	57	60	289	82	48	41
MIN	74	65	58	44	40	40	40	47	46	45	39	36
AC-FT	4990	4520	4110	3020	2310	3170	2810	3240	6370	3380	2630	2340

CAL YR 1976 TOTAL 92650 MEAN 253 MAX 1390 MIN 58 AC-FT 183800
WTR YR 1977 TOTAL 21620 MEAN 59.2 MAX 289 MIN 36 AC-FT 42880

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	214	149	120	135	130	278	535	832	320	120	88
2	84	207	174	95	140	115	250	604	706	299	168	88
3	84	207	171	88	142	115	294	679	654	278	178	84
4	88	203	168	111	142	120	343	769	637	263	138	84
5	88	199	171	120	125	130	372	823	637	245	108	82
6	86	199	188	120	120	135	404	832	654	263	103	81
7	88	203	192	117	115	130	404	769	662	263	99	78
8	86	203	195	130	145	135	429	805	670	250	97	77
9	90	195	181	133	140	135	505	907	688	240	95	78
10	91	199	178	122	135	140	527	1010	697	236	93	78
11	97	192	174	125	140	140	535	1170	706	231	91	108
12	123	192	184	130	155	149	550	1180	654	227	90	125
13	168	138	178	128	135	147	558	1100	588	211	91	120
14	158	138	155	130	145	152	542	1260	535	178	91	115
15	147	136	136	138	140	149	527	1390	463	158	99	108
16	144	158	149	138	140	149	512	1390	436	147	113	106
17	155	168	141	138	140	147	477	1360	429	144	120	113
18	165	158	133	147	135	152	470	1350	423	147	123	115
19	162	141	130	130	145	152	456	1330	391	141	120	125
20	158	138	128	125	135	149	470	1250	423	123	115	123
21	158	152	125	125	120	144	477	1160	442	113	108	120
22	168	149	133	130	125	147	484	1080	423	103	106	120
23	178	141	136	144	130	144	484	1010	391	95	120	118
24	178	149	141	142	140	147	477	1030	355	90	120	115
25	192	155	144	147	140	149	535	1050	343	93	113	111
26	231	158	147	150	140	149	565	1010	332	95	101	106
27	236	158	149	150	137	152	550	1000	326	93	95	103
28	222	158	135	149	135	152	527	1070	315	88	91	101
29	227	130	136	147	133	155	505	1080	310	90	91	99
30	236	120	141	144	---	165	505	1020	315	95	86	95
31	227	---	130	144	---	231	---	945	---	101	86	---
TOTAL	4599	5058	4792	4057	3949	4506	14012	31968	15437	5420	3369	3064
MEAN	148	169	155	131	136	145	467	1031	515	175	109	102
MAX	236	214	195	150	155	231	565	1390	832	320	178	125
MIN	84	120	125	88	115	115	250	535	310	88	86	77
AC-FT	9120	10030	9500	8050	7830	8940	27790	63410	30620	10750	6680	6080

CAL YR 1975 TOTAL 139919 MEAN 383 MAX 2740 MIN 50 AC-FT 277500
WTR YR 1976 TOTAL 100231 MEAN 274 MAX 1390 MIN 77 AC-FT 198800

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	172	113	68	54	61	89	213	1320	1370	269	108
2	77	172	113	65	55	63	85	220	1580	1550	249	111
3	79	167	115	63	55	70	85	227	2140	1700	235	108
4	82	164	127	61	55	72	89	242	2090	1780	220	106
5	82	161	132	61	54	73	87	274	1930	1810	194	102
6	82	158	124	63	64	75	87	282	2280	1900	175	102
7	84	158	124	63	57	75	87	278	2740	1790	152	100
8	84	161	122	61	57	79	85	282	2510	1690	158	98
9	93	152	113	55	58	80	89	299	2050	1780	155	98
10	102	129	108	60	55	82	87	317	1600	1730	152	100
11	91	127	108	85	60	84	91	389	1330	1660	152	102
12	87	127	111	79	60	87	102	452	1290	1510	147	100
13	85	127	106	61	63	85	118	569	1490	1610	150	98
14	84	127	111	60	60	87	129	774	1480	1540	150	95
15	82	124	100	60	58	85	147	1010	1580	1450	145	95
16	82	124	100	60	60	87	155	1800	1660	1290	134	93
17	82	124	100	60	66	87	164	1750	1540	1150	132	91
18	82	127	102	61	70	93	181	1750	1390	1110	137	91
19	80	127	102	61	63	98	200	1730	1260	1030	108	91
20	79	124	104	60	50	104	203	1520	1100	968	124	91
21	79	124	104	58	72	102	200	1230	1020	896	124	91
22	111	122	104	58	73	106	203	1050	1000	809	124	91
23	142	118	98	58	75	98	213	947	1010	748	129	89
24	152	115	93	58	70	95	216	989	1170	658	137	89
25	152	118	93	60	66	104	227	989	1380	613	129	89
26	152	115	91	58	61	100	216	857	1260	549	122	85
27	158	111	84	58	60	93	216	783	1180	502	118	85
28	158	113	82	58	60	85	213	756	1090	458	115	85
29	175	113	77	60	---	85	213	792	1020	400	115	85
30	170	113	72	64	---	87	213	876	1180	365	111	84
31	167	---	70	54	---	91	---	1100	---	326	111	---
TOTAL	3295	4014	3203	1911	1711	2673	4490	24747	45670	36742	4673	2853
MEAN	106	134	103	61.6	61.1	86.2	150	798	1522	1185	151	95.1
MAX	175	172	132	85	75	106	227	1800	2740	1900	269	111
MIN	77	111	70	54	50	61	85	213	1000	326	108	84
AC-FT	6540	7960	6350	3790	3390	5300	8910	49090	90590	72880	9270	5660

CAL YR 1974 TOTAL 205709 MEAN 564 MAX 3800 MIN 50 AC-FT 408000
WTR YR 1975 TOTAL 135982 MEAN 373 MAX 2740 MIN 50 AC-FT 269700

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	68	140	72	94	112	444	1560	2410	1680	204	97
2	61	75	139	67	93	127	411	1700	2690	1580	204	95
3	63	76	131	64	91	124	399	1780	2950	1380	201	95
4	69	79	125	61	93	129	380	1890	3240	1260	196	95
5	69	83	113	59	93	125	379	1910	3020	1190	187	93
6	63	97	114	58	98	128	389	1950	2550	1060	179	91
7	63	118	120	58	99	129	395	2180	2300	983	172	91
8	64	124	121	55	100	132	408	2510	2060	900	162	97
9	63	94	118	52	102	125	402	2560	1980	831	145	102
10	63	81	109	50	103	121	428	2350	1860	774	145	104
11	63	86	112	52	103	120	447	2080	1910	784	140	110
12	61	128	110	55	104	133	454	1780	2170	721	138	127
13	61	232	113	54	98	148	486	1630	2470	678	133	116
14	61	236	113	55	100	149	492	1640	2880	632	131	108
15	59	218	110	55	100	151	454	1500	3260	618	129	106
16	60	198	112	57	103	170	499	1380	3520	574	127	104
17	59	197	126	60	104	215	567	1280	3800	506	120	102
18	59	202	129	60	100	251	632	1230	3660	460	116	99
19	58	192	124	58	104	270	822	1140	3390	408	112	97
20	57	177	112	56	100	267	1030	1100	3410	365	112	93
21	58	164	119	56	99	263	1240	983	3110	341	114	88
22	58	156	122	56	99	276	1340	972	2670	324	114	88
23	58	154	120	54	98	284	1580	850	2390	269	102	89
24	60	151	111	56	100	288	1710	860	2170	230	99	88
25	61	142	107	63	101	308	1810	1050	2150	224	95	86
26	60	130	100	65	98	337	1720	1350	2040	227	97	84
27	60	126	93	73	99	434	1530	1940	2130	237	91	84
28	60	126	97	78	104	491	1340	2350	2100	227	93	81
29	61	132	98	82	---	471	1320	2690	1890	224	91	81
30	62	137	96	84	---	482	1410	2630	1700	220	91	81
31	66	---	90	89	---	406	---	2390	---	210	95	---
TOTAL	1901	4179	3544	1914	2780	7166	24918	53415	77880	20117	4135	2872
MEAN	61.3	139	114	61.7	99.3	231	831	1723	2596	649	133	95.7
MAX	69	236	140	89	104	491	1810	2690	3800	1680	204	127
MIN	57	68	90	50	91	112	379	850	1700	210	91	81
AC-FT	3770	8290	7030	3800	5510	14210	49420	105900	154500	39900	8200	5700

CAL YR 1973 TOTAL 53185 MEAN 146 MAX 567 MIN 57 AC-FT 105500
WTR YR 1974 TOTAL 204821 MEAN 561 MAX 3800 MIN 50 AC-FT 406300

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	151	131	79	86	100	156	353	314	172	91	93
2	143	154	134	83	79	103	154	341	324	162	89	95
3	147	149	138	89	76	102	166	341	298	143	88	97
4	149	172	137	81	86	99	177	347	278	138	88	95
5	169	184	113	71	91	99	193	319	253	133	84	89
6	172	169	91	67	95	99	199	314	253	123	79	84
7	172	162	83	71	95	97	187	314	269	102	77	81
8	172	163	76	64	89	98	179	319	303	106	76	81
9	172	159	72	64	86	99	177	341	330	102	71	79
10	199	157	68	62	92	102	177	324	359	99	73	74
11	190	158	68	62	99	107	177	303	335	99	76	72
12	182	162	68	65	100	105	193	287	309	102	81	71
13	162	156	67	64	99	103	217	287	293	108	82	71
14	157	153	67	62	98	104	265	341	335	114	79	67
15	154	157	67	63	95	102	269	408	402	114	81	62
16	156	160	67	64	92	102	274	434	341	108	81	62
17	161	158	68	66	96	106	293	473	309	102	81	62
18	159	154	70	76	102	110	274	499	282	95	82	62
19	156	153	74	83	100	106	269	532	248	91	83	62
20	165	150	72	81	96	104	265	567	217	97	84	61
21	161	142	74	77	88	116	257	546	190	104	83	64
22	152	131	88	72	92	118	253	499	182	110	82	62
23	144	123	99	68	95	123	261	460	187	116	81	62
24	137	121	99	70	99	129	269	428	190	116	76	62
25	142	129	93	73	99	138	293	421	172	114	77	65
26	141	135	89	81	98	149	324	395	174	106	81	64
27	140	142	89	79	97	154	341	353	182	102	86	64
28	138	139	95	75	97	154	365	330	182	97	86	64
29	147	132	93	69	---	156	377	282	182	97	86	62
30	150	130	77	81	---	154	371	274	177	99	86	62
31	148	---	72	84	---	157	---	274	---	95	88	---
TOTAL	4875	4505	2699	2246	2617	3595	7372	11706	7870	3466	2538	2151
MEAN	157	150	87.1	72.5	93.5	116	246	378	262	172	81.9	71.7
MAX	199	184	138	89	102	157	377	567	402	172	91	97
MIN	137	121	67	62	76	97	154	274	172	91	71	61
AC-FT	9670	8940	5350	4450	5190	7130	14620	23220	15610	6870	5030	4270

CAL YR 1972 TOTAL 128831 MEAN 352 MAX 2730 MIN 61 AC-FT 255500
WTR YR 1973 TOTAL 55640 MEAN 152 MAX 567 MIN 61 AC-FT 110400

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	248	186	151	80	241	303	506	1990	682	114	102
2	227	239	161	167	78	260	305	488	1990	645	113	103
3	226	241	168	148	74	329	307	471	1840	624	111	101
4	219	249	162	135	68	295	327	494	1820	569	118	100
5	214	249	164	119	66	287	332	575	2050	531	118	107
6	211	236	177	133	65	303	372	603	2000	512	119	116
7	217	231	158	139	65	351	393	660	2160	488	113	106
8	213	228	145	139	63	307	392	682	2340	453	112	102
9	208	231	137	126	63	325	385	626	2630	388	109	99
10	203	230	140	122	62	376	390	610	2590	351	110	98
11	205	228	138	108	62	426	392	582	2730	278	110	112
12	211	241	135	105	61	477	405	575	2180	234	110	113
13	216	253	119	102	61	603	389	550	1960	222	113	108
14	212	250	114	98	61	569	362	603	1760	200	122	107
15	218	236	101	86	61	494	359	650	1480	197	130	105
16	219	231	115	84	61	494	361	696	1430	197	184	103
17	228	225	98	91	61	482	366	792	1510	207	147	100
18	232	219	97	96	67	537	358	904	1400	219	135	98
19	246	214	94	110	108	459	354	868	1250	224	130	100
20	242	217	87	113	146	426	351	860	1190	220	130	98
21	233	219	90	133	149	385	347	851	1100	225	131	96
22	232	217	100	158	146	371	351	826	1040	214	118	96
23	231	209	117	148	146	389	356	792	1040	185	113	96
24	225	210	122	138	151	388	376	776	1030	176	113	97
25	221	209	147	139	154	365	426	768	932	154	113	99
26	222	207	180	147	144	359	442	752	834	142	113	107
27	220	209	168	142	149	344	477	752	792	139	110	129
28	245	209	151	137	197	337	500	784	752	133	108	121
29	225	207	162	116	256	324	550	942	728	130	111	122
30	235	198	155	98	---	311	525	1450	712	127	110	131
31	247	---	147	88	---	303	---	1740	---	125	102	---
TOTAL	6948	6790	4235	3816	2925	11917	11553	23228	47260	9191	3690	3172
MEAN	224	226	137	123	101	384	385	749	1575	296	119	106
MAX	247	253	186	167	256	603	550	1740	2730	682	184	131
MIN	203	198	87	84	61	241	303	471	712	125	102	96
AC-FT	13780	13470	8400	7570	5800	23640	22920	46070	93740	18230	7320	6290

CAL YR 1971 TOTAL 209885 MEAN 575 MAX 2820 MIN 63 AC-FT 416300
WTR YR 1972 TOTAL 134725 MEAN 368 MAX 2730 MIN 61 AC-FT 267200

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	106	116	78	104	164	275	1180	2250	1440	220	124
2	116	106	112	75	100	162	287	1470	1950	1540	205	127
3	116	106	109	71	97	134	307	1750	1650	1690	190	129
4	114	106	105	68	94	136	316	1970	1450	1750	186	135
5	114	108	108	65	92	141	333	1990	1250	1480	180	145
6	118	118	115	66	90	162	361	1970	1160	1380	180	145
7	120	114	120	67	96	149	405	2100	1100	1290	182	154
8	127	116	120	69	106	136	437	2350	1320	1170	186	152
9	127	123	118	73	113	136	453	2390	1800	1100	190	149
10	127	151	116	75	120	136	483	2440	2100	1100	188	148
11	125	134	110	69	128	144	465	2440	2300	1150	188	145
12	125	136	105	63	132	154	465	2580	2250	979	188	137
13	127	132	100	63	130	159	459	2560	2200	833	186	132
14	130	125	97	63	130	154	494	2730	2350	817	192	128
15	130	127	102	63	129	154	556	2750	2550	762	189	128
16	128	129	110	63	139	159	668	2670	2450	731	185	128
17	127	128	104	71	144	159	728	2610	2480	755	170	131
18	125	128	96	81	146	159	728	2250	2520	728	164	132
19	127	126	91	80	149	151	713	1810	2350	698	154	139
20	127	123	85	80	151	154	817	1540	2200	711	144	141
21	127	119	81	76	149	159	952	1440	2340	684	134	147
22	130	115	76	74	151	167	1030	1300	2610	634	132	152
23	130	125	72	72	141	182	1080	1100	2800	610	127	157
24	144	135	70	69	141	207	1070	980	2820	562	125	170
25	127	145	70	68	146	220	1000	1000	2690	507	123	179
26	118	138	71	69	159	256	980	1200	2500	457	129	182
27	108	131	72	71	162	263	952	1500	2560	410	123	186
28	104	125	73	78	151	252	952	1750	2110	360	123	195
29	104	118	74	86	---	263	961	2100	1740	330	126	216
30	106	120	78	92	---	287	1030	2350	1500	260	128	248
31	108	---	82	98	---	283	---	2350	---	235	126	---
TOTAL	3772	3713	2958	2256	3590	5542	19757	60620	63350	27153	5063	4581
MEAN	122	124	95.4	72.8	128	179	659	1955	2112	876	163	153
MAX	144	151	120	98	162	287	1080	2750	2820	1750	220	248
MIN	104	106	70	63	90	134	275	980	1100	235	123	124
AC-FT	7480	7360	5870	4470	7120	10990	39190	120200	125700	53860	10040	9090

CAL YR 1970 TOTAL 108591 MEAN 298 MAX 1820 MIN 65 AC-FT 215400
WTR YR 1971 TOTAL 202355 MEAN 554 MAX 2820 MIN 63 AC-FT 401400

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	164	136	78	84	134	164	182	690	923	112	112
2	104	167	136	68	84	151	167	185	705	760	110	110
3	104	164	136	68	84	136	170	220	952	792	104	110
4	112	164	136	66	85	132	167	299	1210	800	100	110
5	114	162	141	65	85	130	173	477	1360	760	104	118
6	123	159	134	65	86	123	173	744	1300	728	110	139
7	134	167	134	65	88	120	204	851	1370	624	112	127
8	136	173	130	65	90	127	230	792	1690	610	112	116
9	141	164	130	68	90	134	249	792	1820	556	112	116
10	141	164	120	78	93	132	271	876	1600	569	118	116
11	151	164	122	80	96	127	299	826	1170	990	125	114
12	146	164	135	88	98	125	291	744	932	817	120	110
13	146	159	140	95	100	130	275	596	868	705	114	104
14	146	159	140	110	104	144	283	448	914	610	112	102
15	146	159	135	114	104	164	279	361	817	531	106	102
16	146	159	130	114	104	170	260	376	736	482	104	99
17	146	154	127	112	108	164	245	519	668	459	106	94
18	154	141	130	110	108	151	237	938	631	421	104	91
19	157	139	132	104	104	144	241	1190	645	380	102	95
20	151	139	141	95	100	141	241	1180	728	345	106	104
21	151	141	146	93	100	149	234	990	1020	310	104	102
22	157	146	157	95	102	162	223	885	1260	275	106	100
23	159	146	154	100	102	170	217	976	1350	245	108	104
24	164	141	141	108	102	200	214	1040	1460	230	106	106
25	162	141	112	116	106	200	210	1100	1500	200	104	110
26	167	144	116	114	108	185	214	1290	1360	182	102	112
27	167	141	108	114	110	179	214	1560	1650	170	96	118
28	164	134	100	100	110	182	200	1520	1760	154	96	120
29	164	136	88	93	---	188	191	1170	1360	144	100	120
30	167	136	80	83	---	176	185	923	1160	132	102	118
31	167	---	78	83	---	170	---	760	---	123	106	---
TOTAL	4489	4591	3945	2807	2735	4740	6721	24810	34686	15027	3323	3299
MEAN	145	153	127	90.5	97.7	153	224	800	1156	485	107	110
MAX	167	173	157	116	110	200	299	1560	1820	990	125	139
MIN	102	134	78	65	84	120	164	182	631	123	96	91
AC-FT	8900	9110	7820	5570	5420	9400	13330	49210	68800	29810	6590	6540

CAL YR 1969 TOTAL 223740 MEAN 613 MAX 3430 MIN 65 AC-FT 443800
WTR YR 1970 TOTAL 111173 MEAN 305 MAX 1820 MIN 65 AC-FT 220500

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	95	108	75	80	70	280	1850	2560	914	136	104
2	106	95	106	80	80	73	350	1710	2390	876	130	104
3	104	98	108	80	80	79	420	1590	2270	808	130	100
4	102	108	114	80	80	82	500	1520	2370	808	125	98
5	100	104	114	80	76	84	560	1710	2690	784	123	98
6	98	100	114	80	76	86	630	1970	2710	784	118	96
7	96	98	114	80	76	86	700	2350	2860	923	112	96
8	96	98	116	75	76	86	840	2650	2670	834	110	96
9	98	98	116	70	76	86	1090	2920	2520	781	112	95
10	100	98	116	70	75	86	1120	3030	2430	736	112	102
11	100	98	118	70	75	86	1280	3050	2410	752	118	110
12	102	98	116	75	75	90	1360	3180	2130	776	125	110
13	114	98	104	85	74	90	1360	3140	2000	792	127	108
14	118	96	102	85	75	92	1320	3110	1940	776	127	108
15	120	98	102	85	76	100	1260	3030	1940	698	125	108
16	118	104	104	80	75	105	1190	2840	1720	596	120	108
17	116	102	104	75	75	105	1340	2750	1480	500	120	108
18	110	100	109	70	75	105	1520	2880	1370	371	127	104
19	93	102	114	80	74	100	1650	3010	1370	241	127	98
20	90	104	118	90	74	100	1670	2860	1400	214	123	112
21	90	104	90	100	75	100	1810	2560	1310	217	118	123
22	90	106	70	85	72	100	2190	2320	1240	223	118	114
23	90	108	70	70	72	100	2840	2440	1150	217	116	112
24	90	108	85	65	70	100	3050	2780	1210	185	114	114
25	90	108	90	65	70	100	2750	3160	1210	159	112	112
26	90	108	80	70	70	105	2350	3430	1090	157	108	108
27	90	106	75	80	69	120	2050	3350	1040	154	104	106
28	93	106	75	80	69	140	2020	3090	1010	151	102	104
29	96	102	75	80	---	160	2080	2780	1000	144	104	102
30	95	104	70	80	---	190	1920	2590	970	146	104	100
31	95	---	70	80	---	230	---	2690	---	141	106	---
TOTAL	3098	3052	3067	2420	2090	3236	43500	82340	54460	15858	3653	3158
MEAN	99.9	102	98.9	78.1	74.6	104	1450	2656	1815	512	118	105
MAX	120	108	118	100	80	230	3050	3430	2860	923	136	123
MIN	90	95	70	65	69	70	280	1520	970	141	102	95
AC-FT	6140	6050	6080	4800	4150	6420	86280	163300	108000	31450	7250	6260

CAL YR 1968 TOTAL 54655 MEAN 149 MAX 914 MIN 53 AC-FT 108400
WTR YR 1969 TOTAL 219932 MEAN 603 MAX 3430 MIN 65 AC-FT 436200

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940. LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	185	164	139	98	151	210	61	275	136	86	108
2	95	185	170	134	100	154	241	70	325	114	86	100
3	98	191	176	128	116	154	260	75	582	98	90	93
4	116	188	182	122	125	151	252	80	712	102	93	95
5	118	179	185	118	120	154	260	80	603	98	93	95
6	120	176	188	110	120	157	249	76	808	90	93	95
7	132	173	188	100	118	157	237	60	712	108	90	95
8	134	176	182	80	116	157	223	54	589	106	88	95
9	136	173	178	91	114	157	217	53	638	102	86	91
10	136	162	173	96	114	157	223	53	537	102	88	84
11	146	159	170	90	114	157	245	56	500	102	90	88
12	159	154	170	80	114	157	275	74	562	93	90	91
13	154	159	145	70	114	157	279	88	652	102	90	93
14	151	149	120	73	110	157	267	96	562	102	90	93
15	157	146	100	76	108	157	260	96	477	100	91	93
16	157	146	95	75	120	157	260	98	459	98	90	93
17	154	157	90	75	118	157	245	91	525	93	96	93
18	146	154	90	75	118	157	230	88	610	90	112	93
19	130	194	88	81	118	157	214	86	760	88	125	95
20	123	179	86	83	130	154	200	90	914	84	191	98
21	120	170	85	86	141	146	191	96	760	83	197	108
22	125	179	84	88	146	146	170	134	603	83	157	114
23	139	173	84	90	144	151	149	146	531	84	136	112
24	146	170	84	90	149	157	132	146	442	84	125	110
25	146	167	86	93	149	154	104	141	356	84	123	110
26	146	154	106	90	149	157	84	136	307	81	123	112
27	146	151	134	93	151	159	70	130	263	81	125	112
28	157	151	139	98	151	159	66	112	256	83	120	110
29	188	159	141	95	151	157	62	108	191	88	116	106
30	194	167	139	100	---	159	60	170	159	88	114	106
31	188	---	141	98	---	194	---	263	---	84	112	---
TOTAL	4350	5026	4163	2917	3636	4855	5935	3107	15670	2931	3406	2981
MEAN	140	168	134	94.1	125	157	198	100	522	94.5	110	99.4
MAX	194	194	188	139	151	194	279	263	914	136	197	114
MIN	93	146	84	70	98	146	60	53	159	81	86	84
AC-FT	8630	9970	3260	5790	7210	9630	11770	6160	31080	5810	6760	5910

CAL YR 1967 TOTAL 166258 MEAN 456 MAX 3230 MIN 30 AC-FT 329800
WTR YR 1968 TOTAL 58977 MEAN 161 MAX 914 MIN 53 AC-FT 117000

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1966 TO SEPTEMBER 1967
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	43	41	31	50	67	166	287	1970	2200	188	102
2	47	43	44	30	46	70	159	278	2150	2000	182	102
3	48	41	60	32	44	72	152	274	1790	1950	176	100
4	48	41	47	32	41	64	157	278	1590	1900	167	102
5	48	41	48	33	43	54	161	294	1600	1800	162	104
6	48	41	43	30	41	54	161	347	1960	1700	157	106
7	48	43	41	33	40	57	164	440	1990	1550	146	104
8	48	43	39	33	38	73	166	654	2050	1400	127	106
9	47	41	38	33	39	80	169	800	2020	1130	130	108
10	48	41	40	32	38	80	186	876	2110	1050	127	106
11	48	41	38	32	37	84	204	800	2220	1000	125	104
12	50	41	38	32	37	91	212	668	2020	932	123	98
13	50	41	38	33	37	97	223	562	2070	876	118	95
14	48	43	38	34	37	91	258	550	2080	768	116	98
15	48	47	37	35	36	90	291	569	2110	842	112	102
16	48	48	37	35	36	95	284	776	2230	617	112	106
17	47	44	37	35	36	120	271	961	2560	575	112	106
18	47	41	37	34	36	140	255	1150	2840	537	114	104
19	47	40	36	35	35	149	262	1310	2920	459	114	104
20	47	41	35	36	35	145	265	1430	3130	421	114	102
21	46	43	35	43	35	154	255	1540	3280	376	114	102
22	46	41	33	65	35	166	249	1790	3000	342	108	98
23	46	39	34	60	35	166	263	2430	2900	316	104	100
24	46	39	33	48	35	169	268	3160	2580	307	104	98
25	46	38	34	47	40	166	262	3160	2400	307	104	98
26	44	37	33	44	56	164	255	2730	2150	279	106	95
27	44	37	33	43	57	152	304	2130	2200	256	106	93
28	43	37	32	40	62	169	315	1960	2000	223	104	91
29	43	41	31	48	---	194	304	2050	2050	207	102	90
30	43	41	31	57	---	171	291	1960	2270	217	102	91
31	43	---	32	56	---	164	---	1740	---	204	100	---
TOTAL	1447	1238	1173	1211	1137	3608	6937	37954	68240	26741	3876	3015
MEAN	46.7	41.3	37.8	39.1	40.6	116	231	1224	2275	863	125	100
MAX	50	48	60	65	62	194	315	3160	3280	2200	188	108
MIN	43	37	31	30	35	54	152	274	1590	204	100	90
AC-FT	2870	2460	2330	2400	2260	7160	13760	75280	135400	53040	7690	5980

CAL YR 1966 TOTAL 55805 MEAN 153 MAX 698 MIN 31 AC-FT 110700
WTR YR 1967 TOTAL 156577 MEAN 429 MAX 3280 MIN 30 AC-FT 310600

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1965 TO SEPTEMBER 1966
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	320	238	207	144	104	113	472	313	630	95	91	60
2	310	241	210	134	95	111	552	292	590	100	86	60
3	300	238	216	144	84	100	567	278	280	110	91	59
4	290	238	216	149	84	78	528	278	240	110	108	60
5	285	241	222	144	97	80	509	377	230	100	100	59
6	280	248	222	168	106	102	533	462	215	91	97	57
7	275	248	216	187	113	106	592	561	194	86	93	65
8	270	244	207	173	95	106	644	596	194	88	90	67
9	270	238	204	159	86	108	698	518	226	100	83	64
10	270	235	216	149	89	124	693	537	243	110	80	62
11	266	238	229	162	89	142	650	532	252	106	78	59
12	260	238	216	162	89	139	613	448	235	91	80	62
13	260	238	207	157	86	190	572	362	212	88	78	65
14	260	267	204	159	85	207	538	271	201	90	76	67
15	260	295	196	165	83	190	528	215	218	90	75	65
16	260	284	168	146	82	170	562	169	229	86	73	64
17	260	292	157	126	82	152	623	93	240	86	64	57
18	260	298	132	114	82	139	639	65	235	84	62	54
19	260	302	129	104	82	134	582	90	229	81	56	54
20	257	295	129	93	84	134	548	180	226	78	54	53
21	250	284	125	88	100	132	523	270	218	93	56	51
22	235	274	122	89	106	127	490	270	191	93	62	50
23	225	264	108	92	108	122	472	220	180	95	62	50
24	215	278	115	97	113	127	454	240	160	93	64	50
25	209	274	122	90	111	146	462	240	149	91	65	51
26	207	251	111	92	108	178	495	260	133	88	64	51
27	204	241	111	92	106	216	490	300	122	88	62	51
28	207	226	124	93	113	251	458	330	106	91	60	50
29	201	210	144	93	---	278	392	530	97	91	57	48
30	198	204	157	100	---	313	347	630	95	91	57	47
31	232	---	159	104	---	376	---	630	---	93	59	---
TOTAL	7856	7662	5301	3969	2662	4891	16226	10557	6770	2877	2283	1712
MEAN	253	255	171	128	95.1	158	541	341	226	92.8	73.6	57.1
MAX	320	302	229	187	113	376	698	630	630	110	108	67
MIN	198	204	108	88	82	78	347	65	95	78	54	47
AC-FT	15580	15200	10510	7870	5280	9700	32180	20940	13430	5710	4530	3400

CAL YR 1965 TOTAL 271061 MEAN 743 MAX 3600 MIN 108 AC-FT 537600
WTR YR 1966 TOTAL 72766 MEAN 199 MAX 698 MIN 47 AC-FT 144300

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	64	85	212	205	172	278	2200	2500	2200	530	350
2	69	66	85	192	166	163	347	2000	2400	2250	500	345
3	69	62	78	212	179	163	359	1900	2550	2200	490	340
4	69	62	69	219	185	166	343	1800	2700	2250	470	335
5	66	64	64	222	182	179	359	1700	2800	2300	420	335
6	64	64	60	226	185	185	393	1520	3000	2250	375	330
7	64	64	58	240	172	185	418	1400	3150	2200	360	330
8	66	64	56	202	160	188	414	1300	3200	2150	335	400
9	66	66	56	208	166	202	444	1200	3200	2100	320	395
10	66	69	56	188	153	212	422	1200	3300	2050	315	390
11	64	71	52	205	138	222	405	1250	3400	2000	310	385
12	64	73	54	198	132	226	401	1350	3500	1850	460	380
13	62	76	54	188	141	230	418	1510	3600	1750	470	375
14	62	80	54	192	166	233	453	1850	3500	1610	450	370
15	62	96	39	198	150	244	511	1900	2900	1600	420	362
16	62	107	37	198	156	259	567	2000	2400	1550	400	370
17	60	112	48	198	150	255	600	2200	2250	1460	390	370
18	60	121	56	195	144	240	605	2160	2100	1360	370	370
19	62	126	56	198	147	222	644	2130	1950	1300	380	365
20	62	126	56	198	153	222	810	2100	1800	1200	400	355
21	62	126	62	198	160	240	1120	2200	2000	1110	400	345
22	62	126	144	182	163	259	1300	2300	2300	1010	460	345
23	62	126	462	175	163	251	1380	2230	2550	930	440	340
24	62	135	649	144	156	236	1400	2130	2750	870	400	340
25	62	156	543	129	163	226	1450	1870	2700	820	390	340
26	62	150	448	132	166	244	1500	1800	2750	790	375	335
27	64	147	405	141	182	244	1590	1800	2650	760	370	335
28	64	138	351	163	188	236	1650	1900	2550	730	360	335
29	66	90	294	188	---	240	1700	2000	2330	703	360	340
30	69	80	270	216	---	244	2000	2300	2250	640	350	340
31	66	---	267	226	---	259	---	2700	---	580	340	---
TOTAL	1986	2907	5068	5983	4571	6847	24281	57900	81030	46573	12410	10647
MEAN	64.1	96.9	163	193	163	221	809	1868	2701	1502	400	355
MAX	69	156	649	240	205	259	2000	2700	3600	2300	530	400
MIN	60	62	37	129	132	163	278	1200	1800	580	310	330
AC-FT	3940	5770	10050	11870	9070	13580	48160	114800	160700	92380	24620	21120

CAL YR 1964 TOTAL 87536 MEAN 239 MAX 1260 MIN 34 AC-FT 173600
WTR YR 1965 TOTAL 260203 MEAN 713 MAX 3600 MIN 37 AC-FT 516100

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LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	64	76	64	52	40	80	595	615	884	118	104
2	101	66	73	69	50	42	104	591	754	884	107	107
3	96	66	71	66	50	40	126	548	879	821	101	98
4	96	71	73	62	50	42	153	497	938	769	90	96
5	101	78	73	60	46	40	195	466	981	764	90	107
6	104	78	76	60	48	42	248	444	1040	654	85	104
7	98	71	73	58	46	42	251	440	1100	553	76	90
8	90	76	71	58	46	42	259	427	1090	493	85	85
9	88	101	71	58	44	42	290	427	987	475	101	80
10	88	90	73	56	44	40	359	470	1070	462	104	80
11	88	85	66	56	44	42	393	493	1010	388	109	78
12	88	85	62	56	42	40	359	470	922	343	115	76
13	96	85	62	56	42	37	334	558	884	351	112	76
14	90	85	64	54	40	34	326	654	836	380	121	71
15	80	107	62	54	40	35	367	668	895	384	115	69
16	78	124	62	52	37	36	410	703	1070	343	112	66
17	78	121	64	54	35	37	414	789	1260	314	112	69
18	76	129	71	52	37	37	405	764	1180	274	101	69
19	76	132	73	54	35	37	401	703	1170	233	98	69
20	76	141	73	54	35	35	414	733	954	202	96	71
21	76	160	73	52	35	35	444	805	852	198	98	76
22	73	144	66	52	35	37	466	723	759	188	98	73
23	73	126	64	54	35	39	470	629	668	163	104	76
24	71	132	64	54	35	39	427	543	683	144	96	73
25	71	121	66	52	35	39	393	466	815	141	88	71
26	69	83	64	52	37	39	363	414	1000	132	88	69
27	69	76	66	52	39	40	334	418	1200	121	90	69
28	71	80	71	52	39	40	338	502	1190	104	101	69
29	69	80	69	52	39	46	393	600	984	104	104	69
30	66	78	64	52	---	50	493	591	906	107	101	66
31	64	---	62	50	---	60	---	591	---	121	101	---
TOTAL	2561	2935	2118	1727	1192	1246	10009	17722	28692	11494	3117	2376
MEAN	82.6	97.8	68.3	55.7	41.1	40.2	334	572	956	371	101	79.2
MAX	104	160	76	69	52	60	493	805	1260	884	121	107
MIN	64	64	62	50	35	34	80	414	615	104	76	66
AC-FT	5080	5820	4200	3430	2360	2470	19850	35150	56910	22800	6180	4710

CAL YR 1963 TOTAL 86045 MEAN 236 MAX 1340 MIN 24 AC-FT 170700
WTR YR 1964 TOTAL 85189 MEAN 233 MAX 1260 MIN 34 AC-FT 169000

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	65	66	44	243	82	82	395	1140	518	88	122
2	68	65	100	46	337	80	82	440	1110	513	88	129
3	65	62	144	46	559	68	74	422	1050	550	85	122
4	65	62	109	49	532	61	71	404	961	564	97	100
5	65	62	71	46	413	58	74	449	859	559	97	90
6	65	62	66	46	294	53	97	545	739	532	88	85
7	65	63	63	46	239	51	119	606	710	504	85	88
8	68	63	61	46	182	51	129	606	725	522	85	90
9	70	63	61	46	158	51	116	602	701	490	90	82
10	73	68	61	44	144	49	113	541	1020	444	100	80
11	76	63	61	39	129	49	97	513	1040	382	94	74
12	78	61	61	35	113	46	88	490	1000	324	85	71
13	81	61	58	34	103	46	74	458	1050	256	88	71
14	93	58	58	33	100	46	77	422	1130	227	85	71
15	104	58	56	31	97	49	140	408	1320	218	77	71
16	107	56	58	31	97	46	210	431	1330	202	80	71
17	107	56	56	28	97	46	186	499	1340	198	82	74
18	116	56	56	26	97	46	182	574	1330	170	88	77
19	116	56	56	24	97	46	174	682	1330	140	82	85
20	119	56	53	24	103	46	174	783	1330	119	80	94
21	126	61	56	24	100	49	151	895	1330	136	85	116
22	122	58	53	24	94	49	140	978	1280	136	94	116
23	119	53	51	24	90	51	122	1120	1050	144	97	113
24	110	53	51	24	94	53	109	1210	917	136	97	109
25	90	53	49	24	90	53	100	1250	808	129	94	113
26	78	63	49	28	94	53	97	1270	668	116	85	109
27	70	88	49	31	90	58	126	1210	597	109	88	109
28	68	77	44	28	82	85	144	1160	682	97	88	103
29	65	68	44	33	---	97	178	1140	682	94	97	97
30	65	63	41	35	---	88	277	1110	602	90	97	100
31	65	---	44	44	---	90	---	1120	---	94	106	---
TOTAL	2649	1853	1906	1083	4868	1796	3803	22733	29831	8713	2772	2832
MEAN	85.5	61.8	61.5	34.9	174	57.9	127	733	994	281	89.4	94.4
MAX	126	88	144	49	559	97	277	1270	1340	564	106	129
MIN	65	53	41	24	82	46	71	395	597	90	77	71
AC-FT	5250	3680	3780	2150	9660	3560	7540	45090	59170	17280	5500	5620

CAL YR 1962 TOTAL 88466 MEAN 242 MAX 1390 MIN 30 AC-FT 175500
WTR YR 1963 TOTAL 84839 MEAN 232 MAX 1340 MIN 24 AC-FT 168300

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LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	42	40	32	40	40	122	611	616	781	96	110
2	42	42	40	31	40	42	148	569	654	769	93	113
3	44	40	42	31	40	44	179	559	722	769	93	110
4	44	40	40	30	40	45	243	574	805	520	78	101
5	44	38	40	30	40	46	344	622	700	440	90	107
6	42	38	38	31	40	50	388	666	595	390	93	101
7	40	38	36	35	40	54	438	722	480	370	90	87
8	42	40	35	76	45	54	448	781	406	330	81	70
9	42	42	35	57	50	52	402	793	411	310	73	73
10	44	42	34	42	55	48	371	746	509	310	70	68
11	48	44	35	35	58	46	357	677	746	250	96	78
12	48	42	36	32	60	45	362	600	962	210	113	78
13	46	42	36	31	60	45	402	480	1060	240	110	78
14	44	42	36	31	56	45	471	425	1010	280	107	78
15	42	42	38	35	52	45	574	425	988	260	98	76
16	40	40	38	36	48	48	644	393	1150	215	96	76
17	40	40	36	37	46	52	700	305	1150	200	90	70
18	40	38	36	37	44	60	775	259	1140	201	93	68
19	40	38	40	37	42	70	873	297	1220	197	90	62
20	42	40	38	37	42	80	1080	411	1290	172	87	62
21	48	40	38	33	41	84	1010	411	1390	155	78	62
22	46	40	36	30	41	84	1020	384	1360	135	81	65
23	42	44	36	31	40	80	1020	398	1310	126	81	65
24	42	42	36	32	39	80	1110	564	1220	107	84	62
25	40	40	35	33	38	90	1120	671	1180	110	78	60
26	40	44	35	37	37	100	1020	627	1220	110	78	60
27	46	46	35	40	36	110	937	622	1130	110	76	62
28	50	44	35	40	38	93	982	616	1050	107	87	70
29	42	42	34	40	---	86	793	569	886	107	98	73
30	40	40	34	40	---	86	688	554	805	104	101	68
31	42	---	32	40	---	93	---	580	---	93	107	---
TOTAL	1332	1232	1135	1139	1248	1997	19021	16911	28165	8478	2786	2313
MEAN	43.0	41.1	36.6	36.7	44.6	64.4	634	546	939	273	89.9	77.1
MAX	50	46	42	76	60	110	1120	793	1390	781	113	113
MIN	40	38	32	30	36	40	122	259	406	93	70	60
AC-FT	2640	2440	2250	2260	2480	3960	37730	33540	55870	16820	5530	4590

CAL YR 1961 TOTAL 27197 MEAN 74.5 MAX 538 MIN 28 AC-FT 53950
WTR YR 1962 TOTAL 85757 MEAN 235 MAX 1390 MIN 30 AC-FT 170100

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LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	42	36	36	30	40	46	42	327	76	54	55
2	44	40	38	35	30	39	46	40	376	80	55	57
3	42	42	38	34	31	39	46	40	420	93	52	57
4	40	42	42	34	31	39	83	40	398	102	48	54
5	40	40	46	34	31	40	135	42	430	112	50	52
6	40	40	40	35	31	39	127	42	434	122	55	55
7	44	46	36	35	32	38	122	40	481	107	55	57
8	46	40	38	35	33	38	112	40	500	91	59	57
9	46	38	39	35	34	39	107	36	514	82	68	68
10	48	38	39	33	36	39	91	36	538	74	63	78
11	54	46	39	32	37	38	86	35	504	65	61	72
12	54	54	40	31	36	38	86	31	481	63	61	63
13	50	59	40	30	35	39	89	34	420	61	61	59
14	46	52	40	30	36	40	82	35	355	54	59	54
15	44	48	40	30	37	40	74	36	339	52	57	52
16	44	48	41	30	36	40	57	40	304	54	55	54
17	44	48	41	30	35	39	54	54	288	57	55	57
18	44	54	42	29	35	39	68	55	259	61	54	54
19	40	50	42	29	35	39	130	59	234	57	52	63
20	40	48	41	29	35	39	130	63	202	57	52	55
21	40	48	42	29	36	38	120	68	171	59	50	54
22	40	44	42	28	37	36	105	80	148	59	48	52
23	40	44	42	28	38	38	98	78	125	57	44	50
24	38	50	42	28	37	38	89	107	110	57	50	48
25	38	55	42	28	38	40	76	140	72	55	54	46
26	40	50	42	29	37	42	55	231	70	54	55	46
27	38	46	42	28	37	44	48	331	72	57	55	44
28	40	42	38	28	39	44	44	368	74	55	55	44
29	42	38	37	29	---	48	44	398	72	54	59	40
30	40	36	37	30	---	48	42	495	70	52	57	40
31	42	---	37	31	---	46	---	425	---	54	54	---
TOTAL	1332	1368	1241	962	975	1243	2492	3561	8788	2133	1707	1637
MEAN	43.0	45.6	40.0	31.0	34.8	40.1	83.1	115	293	68.8	55.1	54.6
MAX	54	59	46	36	39	48	135	495	538	122	68	78
MIN	38	36	36	28	30	36	42	31	70	52	44	40
AC-FT	2640	2710	2460	1910	1930	2470	4940	7060	17430	4230	3390	3250

CAL YR 1960 TOTAL 42273 MEAN 115 MAX 810 MIN 28 AC-FT 83850
WTR YR 1961 TOTAL 27439 MEAN 75.2 MAX 538 MIN 28 AC-FT 54430

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LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1959 TO SEPTEMBER 1960
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	118	87	49	41	34	208	241	82	73	73	55
2	80	115	85	46	37	32	208	263	208	76	76	55
3	88	113	87	48	38	32	224	277	389	89	76	55
4	96	110	81	46	41	30	270	273	485	89	71	55
5	105	104	71	45	40	32	372	277	466	89	69	55
6	110	99	71	46	39	32	509	288	434	86	69	57
7	120	113	70	46	40	32	623	315	407	84	67	57
8	130	110	66	46	41	32	638	351	438	86	67	55
9	130	110	65	46	40	30	680	343	368	86	67	63
10	150	113	64	46	38	28	752	339	331	84	67	59
11	140	110	62	46	38	28	746	452	335	84	67	55
12	130	108	64	46	38	30	659	702	347	84	67	54
13	130	108	66	46	37	30	597	810	343	86	59	55
14	130	95	64	45	37	28	577	607	351	80	59	55
15	130	92	62	44	37	30	533	420	327	71	61	55
16	130	99	62	44	37	28	466	327	311	67	63	52
17	126	95	65	42	37	30	434	259	304	63	63	50
18	126	97	66	43	37	28	394	224	288	59	65	50
19	120	97	66	45	37	30	368	148	248	57	65	46
20	120	99	66	45	34	32	351	73	211	52	65	44
21	120	99	65	42	36	32	351	59	171	52	65	44
22	120	102	64	42	34	34	381	57	132	50	69	46
23	113	104	65	41	36	38	381	57	98	54	78	42
24	110	104	66	41	34	40	351	55	76	52	76	40
25	110	102	60	41	34	43	327	57	84	52	69	42
26	115	95	56	41	34	80	311	55	80	52	67	38
27	115	87	53	41	34	171	310	63	76	52	65	36
28	115	83	53	41	34	266	310	59	76	55	61	42
29	115	85	50	41	34	252	285	63	80	59	61	42
30	115	85	49	41	---	252	245	65	82	61	59	44
31	120	---	49	41	---	234	---	69	---	63	57	---
TOTAL	3634	3051	2020	1363	1074	2050	12861	7648	7628	2147	2063	1498
MEAN	117	102	65.2	44.0	37.0	66.1	429	247	254	69.3	66.5	49.9
MAX	150	118	87	49	41	266	752	810	485	89	78	63
MIN	75	83	49	41	34	28	208	55	76	50	57	36
AC-FT	7210	6050	4010	2700	2130	4070	25510	15170	15130	4260	4090	2970

CAL YR 1959 TOTAL 44245 MEAN 121 MAX 585 MIN 37 AC-FT 87760
WTR YR 1960 TOTAL 47037 MEAN 129 MAX 810 MIN 28 AC-FT 93300

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LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1958 TO SEPTEMBER 1959
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	85	107	107	85	95	110	300	76	150	90	59
2	90	85	113	107	78	95	120	350	80	130	90	55
3	87	82	116	87	86	95	130	325	90	120	85	50
4	87	85	125	80	86	95	130	250	80	110	85	45
5	82	82	125	80	86	87	130	200	62	100	85	42
6	80	87	122	90	86	87	140	175	73	100	80	42
7	78	90	128	90	86	87	150	150	200	90	80	45
8	78	87	128	90	86	90	175	125	412	90	80	40
9	78	87	132	90	86	87	175	100	326	90	80	40
10	78	87	132	90	86	87	150	70	251	90	80	40
11	80	85	135	95	90	87	150	70	222	85	75	38
12	90	85	141	95	90	87	190	60	217	85	75	38
13	87	90	141	95	90	87	210	50	355	85	75	37
14	93	102	128	95	90	90	250	50	532	80	75	43
15	87	104	116	95	90	85	309	100	585	80	75	120
16	87	104	116	90	90	82	287	150	516	80	75	100
17	82	104	119	90	90	87	266	150	461	80	75	99
18	82	90	122	90	90	96	256	135	450	78	75	116
19	82	85	122	90	90	99	251	110	425	76	75	138
20	85	85	122	90	90	96	226	100	450	73	75	165
21	82	96	122	90	95	96	209	90	450	69	76	154
22	85	107	122	87	95	102	200	90	425	69	76	128
23	87	116	119	87	95	110	213	90	425	66	73	119
24	87	122	116	93	95	122	222	90	450	59	71	107
25	85	128	119	96	95	122	266	80	450	69	71	90
26	82	122	119	93	95	125	337	77	400	73	66	87
27	82	110	116	90	95	122	343	75	250	85	62	93
28	80	107	116	96	95	116	300	73	200	85	64	90
29	85	102	107	90	---	107	300	71	225	100	64	80
30	85	102	107	87	---	102	300	71	175	110	60	76
31	85	---	107	90	---	100	---	76	---	100	57	---
TOTAL	2614	2903	3760	2835	2511	3025	6495	3903	9313	2757	2325	2376
MEAN	84.3	96.8	121	91.5	89.7	97.6	216	126	310	88.9	75.0	79.2
MAX	96	128	141	107	95	125	343	350	585	150	90	165
MIN	78	82	107	80	78	82	110	50	62	59	57	37
AC-FT	5180	5760	7460	5620	4980	6000	12880	7740	18470	5470	4610	4710

CAL YR 1958 TOTAL 153289 MEAN 420 MAX 3540 MIN 51 AC-FT 304000
WTR YR 1959 TOTAL 44817 MEAN 123 MAX 585 MIN 37 AC-FT 88890

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LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1957 TO SEPTEMBER 1958
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	65	87	71	87	104	159	353	2000	714	156	98
2	85	65	92	60	83	98	172	489	1900	644	158	89
3	87	64	95	60	90	95	217	705	1800	580	153	89
4	95	64	98	58	95	92	193	955	1700	489	148	94
5	98	65	101	55	92	90	191	1270	1600	454	142	94
6	95	65	104	56	87	92	164	1490	1530	428	140	94
7	85	65	113	56	90	92	159	1730	1850	422	140	96
8	80	65	110	55	87	90	149	1680	1900	428	135	98
9	80	65	110	53	87	90	152	1740	1850	422	120	100
10	83	65	107	51	87	83	123	1830	1630	434	123	98
11	78	65	107	51	87	83	103	1900	1460	410	120	94
12	74	65	107	58	87	78	95	2660	1530	380	116	92
13	74	69	104	67	85	78	93	1800	1700	365	114	98
14	71	78	101	71	87	78	97	1600	1430	345	114	96
15	76	71	101	76	92	78	123	1400	1310	321	111	94
16	71	64	110	78	98	80	201	1400	1360	269	109	89
17	71	60	119	76	98	78	285	1410	1480	249	120	92
18	71	60	119	80	95	78	370	1850	1700	245	123	89
19	76	69	122	80	92	76	398	2020	1740	234	120	87
20	69	83	116	69	95	78	440	2690	1740	207	116	92
21	69	85	116	71	95	119	570	2760	1630	204	114	100
22	69	85	116	69	98	137	650	3150	1680	184	114	104
23	69	87	101	67	101	155	537	3190	1650	184	111	104
24	69	92	95	60	104	163	464	3380	1630	181	109	98
25	69	95	104	69	155	163	390	3540	1500	181	104	102
26	67	101	110	78	148	152	363	3500	1290	170	102	104
27	69	104	98	85	129	152	326	3460	1100	172	104	104
28	67	101	107	90	119	168	294	3380	973	158	104	107
29	67	104	107	95	---	180	273	2860	861	150	102	102
30	67	90	98	95	---	172	288	2410	800	161	102	98
31	67	---	85	90	---	159	---	2130	---	161	100	---
TOTAL	2344	2276	3260	2150	2750	3431	8039	64732	46324	9946	3744	2896
MEAN	75.6	75.9	105	69.4	98.2	111	268	2088	1544	321	121	96.5
MAX	98	104	122	95	155	180	650	3540	2000	714	158	107
MIN	67	60	85	51	83	76	93	353	800	150	100	87
AC-FT	4650	4510	6470	4260	5450	6810	15950	128400	91880	19730	7430	5740

CAL YR 1957 TOTAL 119393 MEAN 327 MAX 3060 MIN 45 AC-FT 236800
WTR YR 1958 TOTAL 151892 MEAN 416 MAX 3540 MIN 51 AC-FT 301300

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1956 TO SEPTEMBER 1957
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	171	65	60	50	160	110	647	1920	868	116	126
2	107	168	63	61	50	135	105	766	2240	844	113	113
3	105	162	63	60	50	130	102	846	2560	757	113	107
4	105	158	63	56	50	100	105	798	2880	687	110	101
5	105	138	63	55	50	85	110	703	3060	638	107	95
6	102	138	63	55	50	81	119	774	2990	596	107	90
7	100	138	61	52	50	96	119	924	2640	561	107	87
8	100	135	60	50	50	122	117	1040	2320	528	107	80
9	100	135	60	50	50	112	117	1110	2110	456	104	78
10	110	135	58	50	45	102	122	1180	1900	438	104	78
11	130	132	63	52	45	96	141	1320	1530	396	107	80
12	171	132	68	54	45	94	155	1420	1310	360	104	83
13	178	132	96	52	50	90	162	1540	1180	344	104	85
14	165	130	79	50	60	87	171	1550	1010	316	101	95
15	155	124	74	50	55	87	199	1530	884	300	98	92
16	146	119	74	50	52	96	214	1510	799	251	98	92
17	141	130	74	50	50	100	222	1480	701	236	98	92
18	146	119	72	50	49	100	231	1540	596	241	101	90
19	149	83	74	52	48	102	222	2380	528	222	107	90
20	149	77	74	56	45	105	244	2430	516	207	107	87
21	149	75	72	56	47	105	249	1950	522	180	107	95
22	146	77	68	55	50	98	218	1710	504	159	110	92
23	146	79	61	54	60	96	222	1470	486	122	110	95
24	149	79	60	52	100	94	254	1300	522	116	98	98
25	152	81	60	51	300	98	267	1190	568	119	90	95
26	174	81	58	50	300	100	254	1210	575	119	90	90
27	188	81	56	50	250	98	236	1340	610	119	95	85
28	174	81	55	50	200	98	244	1430	680	122	95	80
29	158	77	56	50	---	102	320	1570	757	122	122	76
30	162	66	56	50	---	105	500	1640	836	119	148	76
31	184	---	58	50	---	107	---	1800	---	116	155	---
TOTAL	4358	3433	2027	1633	2301	3181	5851	42098	39734	10659	3333	2723
MEAN	141	114	65.4	52.7	82.2	103	195	1358	1324	344	108	90.8
MAX	188	171	96	61	300	160	500	2430	3060	868	155	126
MIN	100	66	55	50	45	81	102	647	486	116	90	76
AC-FT	8640	6810	4020	3240	4560	6310	11610	83500	78810	21140	6610	5400

CAL YR 1956 TOTAL 171024 MEAN 467 MAX 3600 MIN 33 AC-FT 339200
WTR YR 1957 TOTAL 121331 MEAN 332 MAX 3060 MIN 45 AC-FT 240700

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1955 TO SEPTEMBER 1956
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	55	76	186	70	46	301	1170	3300	854	155	110
2	61	56	71	178	70	44	292	1170	3500	782	138	107
3	58	56	62	165	65	46	284	1200	3300	654	132	105
4	56	56	58	165	65	49	313	1230	3150	500	122	102
5	61	56	56	174	65	42	334	1260	2700	507	124	98
6	61	55	58	174	65	36	325	1230	2300	528	110	98
7	61	55	56	161	64	39	334	1170	1900	521	110	98
8	60	55	55	153	60	36	342	1190	1700	549	107	98
9	58	55	55	145	60	35	354	1120	1850	577	112	96
10	58	55	55	141	58	33	400	1080	1900	584	110	107
11	58	54	55	145	61	40	476	1040	2000	535	107	114
12	60	51	56	145	61	40	514	970	1900	488	107	110
13	60	51	55	149	58	52	544	888	1800	464	105	105
14	58	51	52	149	55	66	570	785	1800	440	102	100
15	56	51	52	145	50	64	650	705	1750	416	102	92
16	56	56	54	157	45	64	790	755	1600	380	98	92
17	51	55	52	145	43	83	872	904	1420	350	98	92
18	42	76	52	137	45	90	904	1160	1360	338	92	94
19	47	66	55	133	45	90	1030	1340	1170	304	90	98
20	54	71	62	130	46	92	1190	1850	1170	288	92	102
21	56	92	67	126	46	100	1380	2180	1160	278	100	107
22	56	102	133	126	46	110	1590	2400	1010	278	119	110
23	55	88	451	130	46	149	1730	2700	933	258	122	114
24	61	80	735	122	44	186	1660	3400	906	231	110	117
25	61	76	472	98	48	252	1520	3500	924	222	110	117
26	60	74	375	100	42	317	1510	3600	897	195	112	110
27	60	81	350	108	46	305	1510	3300	879	174	112	107
28	58	83	272	95	46	276	1400	3400	846	188	122	105
29	58	78	200	85	46	268	1310	3100	888	207	112	112
30	55	76	182	80	---	276	1230	3200	888	199	110	112
31	55	---	186	75	---	292	---	3200	---	178	110	---
TOTAL	1772	1966	4570	4222	1561	3618	25659	56197	50901	12467	3452	3129
MEAN	57.2	65.5	147	136	53.8	117	855	1813	1697	402	111	104
MAX	61	102	735	186	70	317	1730	3600	3500	854	155	117
MIN	42	51	52	75	42	33	284	705	846	174	90	92
AC-FT	3510	3900	9060	8370	3100	7180	50890	111500	101000	24730	6850	6210

CAL YR 1955 TOTAL 53572 MEAN 147 MAX 1090 MIN 32 AC-FT 106300
WTR YR 1956 TOTAL 169514 MEAN 463 MAX 3600 MIN 33 AC-FT 336200

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1954 TO SEPTEMBER 1955
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	76	85	55	45	39	67	54	198	334	64	67
2	57	76	88	53	40	38	62	61	145	268	67	66
3	68	76	92	50	37	36	52	60	95	252	72	61
4	76	74	74	47	36	35	51	55	95	223	71	64
5	77	74	71	44	35	33	52	52	108	174	78	66
6	78	74	71	45	36	33	55	74	210	161	90	62
7	74	74	69	46	37	33	55	206	493	182	92	62
8	76	72	66	46	39	34	54	313	780	157	98	71
9	74	72	62	48	40	34	51	455	1010	157	98	71
10	74	71	62	50	37	34	49	467	1070	157	90	71
11	72	71	62	45	37	36	48	459	1050	157	88	72
12	72	80	61	43	37	38	54	476	1090	174	81	71
13	78	78	61	42	38	37	56	497	1050	182	90	72
14	81	72	60	42	40	36	58	548	994	178	85	67
15	90	78	60	43	41	35	58	514	1010	165	81	61
16	85	98	55	43	41	34	60	484	970	161	74	67
17	83	78	50	42	37	33	61	434	800	149	76	76
18	85	74	53	41	36	32	61	409	696	145	76	80
19	83	71	56	41	36	32	60	392	610	141	74	78
20	81	71	58	41	36	32	56	442	624	137	74	85
21	83	69	59	42	36	32	55	557	664	122	76	81
22	83	67	60	43	36	33	55	740	735	114	72	71
23	81	67	59	44	36	34	54	775	811	108	76	66
24	83	67	58	45	36	35	54	710	735	118	72	64
25	81	67	55	46	36	35	54	642	597	130	71	66
26	80	64	50	42	37	35	69	553	467	118	76	64
27	78	64	48	40	37	38	62	467	392	100	74	62
28	76	62	47	40	37	39	58	338	421	88	72	61
29	76	67	50	41	---	47	56	235	472	90	74	58
30	76	74	55	43	---	62	55	219	430	76	74	58
31	76	---	55	45	---	61	---	239	---	67	66	---
TOTAL	2392	2178	1912	1378	1052	1145	1692	11927	18822	4785	2422	2041
MEAN	77.2	72.6	61.7	44.5	37.6	36.9	56.4	385	627	154	78.1	68.0
MAX	90	98	92	55	45	62	69	775	1090	334	98	85
MIN	55	62	47	40	35	32	48	52	95	67	64	58
AC-FT	4740	4320	3790	2730	2090	2270	3360	23660	37330	9490	4800	4050

CAL YR 1954 TOTAL 80485 MEAN 221 MAX 1740 MIN 46 AC-FT 159600
WTR YR 1955 TOTAL 51746 MEAN 142 MAX 1090 MIN 32 AC-FT 102600

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1953 TO SEPTEMBER 1954
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	100	94	66	83	97	130	550	350	815	100	57
2	68	97	94	67	83	94	134	461	312	737	97	50
3	68	94	91	67	86	86	130	401	286	674	97	55
4	70	86	91	67	83	86	141	334	276	654	97	63
5	73	83	88	68	86	88	149	318	300	562	116	63
6	73	80	94	68	86	88	156	390	310	498	116	61
7	73	80	94	68	83	88	169	449	301	425	104	61
8	73	80	80	67	80	97	173	511	291	384	97	63
9	76	76	78	62	76	156	181	543	291	413	97	63
10	76	83	78	60	86	164	185	723	318	361	94	76
11	73	86	73	57	86	130	181	890	318	345	107	76
12	70	86	76	57	94	123	185	974	301	334	97	73
13	66	86	73	55	110	116	207	875	307	312	113	76
14	66	86	70	55	110	113	245	758	312	296	104	88
15	66	86	70	55	100	113	291	737	334	323	88	88
16	66	86	70	61	97	116	345	751	413	339	78	88
17	63	88	70	68	94	116	431	882	407	312	68	76
18	61	91	70	68	104	116	569	990	361	281	70	76
19	61	88	70	68	94	116	634	1090	339	226	78	80
20	66	97	73	61	91	116	634	1300	328	198	78	78
21	66	100	76	52	88	113	614	1500	350	181	86	73
22	68	130	73	57	88	113	614	1450	425	156	88	73
23	70	160	68	59	91	113	654	1170	595	152	88	73
24	80	110	59	68	94	116	695	998	751	141	80	70
25	80	91	59	63	100	113	702	890	751	126	91	61
26	80	80	63	57	107	123	716	800	882	119	97	59
27	83	78	65	57	104	130	765	695	1740	116	88	52
28	83	76	66	55	97	141	744	556	1530	107	88	46
29	88	80	66	57	---	141	709	536	1090	104	76	52
30	91	91	66	59	---	134	614	681	898	107	70	57
31	88	---	66	76	---	130	---	396	---	107	68	---
TOTAL	2253	2735	2324	1925	2581	3586	12097	23599	15467	9905	2816	2027
MEAN	72.7	91.2	75.0	62.1	92.2	116	403	761	516	320	90.8	67.6
MAX	91	160	94	76	110	164	765	1500	1740	815	116	88
MIN	61	76	59	52	76	86	130	318	276	104	68	46
AC-FT	4470	5420	4610	3820	5120	7110	23990	46810	30680	19650	5590	4020

CAL YR 1953 TOTAL 91956 MEAN 252 MAX 1610 MIN 59 AC-FT 182400
WTR YR 1954 TOTAL 81315 MEAN 223 MAX 1740 MIN 46 AC-FT 161300

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1952 TO SEPTEMBER 1953
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	134	100	63	156	104	276	800	222	815	138	80
2	119	149	110	63	149	100	276	716	276	793	138	88
3	113	156	107	78	152	94	270	674	407	758	141	86
4	110	164	104	86	160	91	270	647	425	758	141	83
5	107	141	110	86	160	94	291	621	492	772	134	80
6	104	94	116	97	160	94	318	660	634	744	130	76
7	97	86	126	119	160	94	334	723	793	737	123	73
8	97	110	134	138	152	97	318	688	852	772	119	80
9	97	130	126	141	149	107	307	582	808	800	110	83
10	97	134	138	164	126	113	296	467	716	737	104	88
11	97	130	138	164	104	123	281	396	681	716	91	91
12	94	141	100	160	107	130	276	276	905	674	100	91
13	91	149	104	164	110	134	265	203	1380	634	110	83
14	88	156	126	169	116	130	260	164	1610	576	110	84
15	88	164	130	160	116	126	250	149	1350	556	116	97
16	97	164	134	152	119	126	255	152	1110	517	116	94
17	107	149	130	156	116	134	270	156	1090	419	113	94
18	113	145	138	164	119	130	286	169	1320	356	113	91
19	113	145	141	177	116	134	296	198	1520	301	113	88
20	113	145	145	169	97	152	328	291	1340	255	110	83
21	116	141	141	164	91	149	419	301	1120	222	107	80
22	119	138	134	160	88	145	628	328	1050	207	97	76
23	116	130	123	152	91	152	845	281	1050	181	97	73
24	116	134	94	152	80	181	898	250	1100	160	94	73
25	126	130	76	152	86	217	860	226	974	141	91	73
26	126	110	65	152	88	231	912	185	808	119	86	70
27	126	110	63	141	94	240	998	123	688	119	88	70
28	119	94	61	134	94	250	1140	97	614	130	91	73
29	113	94	59	138	---	255	1050	130	634	138	91	70
30	113	94	59	141	---	265	928	160	730	145	86	70
31	126	---	66	145	---	276	---	194	---	138	83	---
TOTAL	3377	3961	3398	4301	3356	4668	14401	11007	26699	14390	3381	2441
MEAN	109	132	110	139	120	151	480	355	890	464	109	81.4
MAX	126	164	145	177	160	276	1140	800	1610	815	141	97
MIN	88	86	59	63	80	91	250	97	222	119	83	70
AC-FT	6700	7860	6740	8530	6660	9260	28560	21830	52960	28540	6710	4840

CAL YR 1952 TOTAL 189950 MEAN 51.9 MAX 2920 MIN 54 AC-FT 376800
WTR YR 1953 TOTAL 95380 MEAN 261 MAX 1610 MIN 59 AC-FT 189200

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STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1951 TO SEPTEMBER 1952
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	156	165	60	58	55	124	2200	2300	1130	203	119
2	94	147	179	58	55	55	127	2350	2280	1080	231	119
3	94	144	156	58	54	57	134	2530	2300	1020	207	110
4	94	152	147	58	58	55	140	2910	2270	980	181	110
5	101	147	144	58	57	55	161	2920	2350	958	156	113
6	107	147	130	60	56	55	203	2750	2650	920	156	113
7	110	147	110	62	55	56	256	2630	2610	845	156	107
8	114	147	90	58	55	56	294	2390	2370	695	152	107
9	117	144	80	58	55	56	306	2180	2140	582	145	107
10	124	140	76	60	56	57	330	2100	1960	492	141	107
11	144	147	73	60	56	56	386	2140	1780	407	130	104
12	175	161	70	60	56	56	432	2360	1610	480	123	100
13	175	156	69	62	55	56	460	2480	1480	543	119	97
14	175	152	68	62	54	56	634	2540	1410	467	119	91
15	175	147	74	62	55	55	710	2480	1360	407	110	97
16	170	137	76	62	56	57	760	2240	1260	361	113	97
17	127	134	73	56	55	57	883	2170	1100	345	110	94
18	130	130	72	54	56	63	1100	2180	1090	356	107	94
19	137	134	70	54	55	82	1330	2190	1090	350	104	83
20	147	137	72	56	54	83	1520	2230	1090	328	97	86
21	152	144	72	56	55	80	1400	2280	1080	334	97	97
22	156	144	72	56	55	82	1500	2180	1050	312	104	104
23	165	134	70	60	54	83	1580	2110	1010	276	104	100
24	193	134	68	60	54	88	1790	2150	1010	236	100	107
25	188	124	65	60	54	90	2060	2310	1000	222	104	113
26	179	127	66	60	54	96	2220	2430	1000	217	110	119
27	165	134	70	59	55	103	2320	2440	1110	217	116	119
28	161	137	72	58	55	110	2410	2400	1180	217	119	119
29	165	137	72	58	57	117	2350	2400	1190	222	119	126
30	170	144	64	58	---	124	2240	2360	1200	222	119	130
31	161	---	63	58	---	124	---	2310	---	203	119	---
TOTAL	4455	4265	2748	1821	1604	2275	30160	73340	47330	15424	4071	3189
MEAN	144	142	88.6	58.7	55.3	73.4	1005	2366	1578	498	131	106
MAX	193	161	179	62	58	124	2410	2920	2650	1130	231	130
MIN	90	124	63	54	54	55	124	2100	1000	203	97	83
AC-FT	8840	8460	5450	3610	3180	4510	59820	145500	93860	30590	8070	6330

CAL YR 1951 TOTAL 140260 MEAN 384 MAX 2070 MIN 55 AC-FT 278200
WTR YR 1952 TOTAL 190682 MEAN 521 MAX 2920 MIN 54 AC-FT 378200

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STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1950 TO SEPTEMBER 1951
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	173	183	120	55	87	183	943	1430	911	190	128
2	98	170	176	125	55	85	212	824	1150	938	186	120
3	95	164	167	125	58	79	237	784	938	920	195	110
4	83	159	170	111	60	87	293	792	839	920	337	110
5	87	159	167	104	100	85	379	866	779	875	356	114
6	104	161	161	75	100	85	458	997	705	770	331	114
7	120	161	173	91	100	87	556	1220	650	697	301	104
8	120	161	167	90	100	93	650	1390	552	665	255	94
9	120	161	167	90	100	91	696	1420	452	635	230	86
10	118	156	167	90	100	85	792	1420	417	642	210	91
11	115	156	167	90	100	75	768	1500	389	650	190	98
12	109	161	167	90	100	77	792	1610	424	522	170	101
13	104	148	164	90	100	89	882	1520	598	473	155	101
14	104	153	150	90	100	87	1030	1320	729	459	130	110
15	104	150	159	95	100	91	1160	1100	974	459	100	110
16	102	150	159	75	100	95	1180	1030	1380	445	98	104
17	93	164	156	70	100	100	1190	1120	1570	417	101	101
18	89	195	150	67	100	93	1270	1290	1550	382	104	98
19	87	195	150	66	100	91	1330	1420	1450	356	124	98
20	87	195	153	60	100	93	1320	1480	1360	331	151	98
21	85	209	150	60	100	98	1250	1450	1300	318	140	100
22	83	192	137	60	90	106	1150	1420	1250	306	136	105
23	83	183	135	60	90	106	1060	1570	1150	278	140	114
24	83	176	137	62	90	109	1020	1730	938	272	155	107
25	81	173	137	62	90	113	934	1770	893	272	159	107
26	104	170	135	62	90	125	857	1730	857	245	155	101
27	120	170	125	60	90	142	824	1770	796	195	143	91
28	148	170	132	60	90	148	988	1990	804	186	128	91
29	167	167	132	55	---	153	1260	2070	788	235	120	91
30	173	183	130	55	---	161	1100	1910	796	250	120	88
31	176	---	130	55	---	161	---	1650	---	214	124	---
TOTAL	3331	5085	4753	2465	2558	3177	25821	43106	27908	15238	5434	3085
MEAN	107	169	153	79.5	91.4	102	861	1391	930	492	175	103
MAX	176	209	183	125	100	161	1330	2070	1570	938	356	128
MIN	81	148	125	55	55	75	183	784	389	186	98	86
AC-FT	6610	10090	9430	4890	5070	6300	51220	85500	55360	30220	10780	6120

CAL YR 1950 TOTAL 94201 MEAN 258 MAX 1270 MIN 37 AC-FT 186800
WTR YR 1951 TOTAL 141961 MEAN 389 MAX 2070 MIN 55 AC-FT 281600

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LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1949 TO SEPTEMBER 1950
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	52	94	41	40	40	87	554	982	888	100	92
2	59	52	90	40	40	40	139	517	1000	934	104	97
3	59	52	90	40	40	41	143	457	944	870	113	97
4	59	52	80	40	40	41	139	421	861	817	139	92
5	60	52	76	40	40	42	139	398	906	730	129	90
6	60	52	74	40	38	49	169	382	1050	685	150	84
7	60	52	72	40	38	45	189	366	1210	628	143	87
8	66	56	70	40	37	42	236	360	1230	700	133	90
9	68	68	70	40	38	42	245	350	972	580	129	94
10	66	74	68	38	38	43	236	355	753	561	123	123
11	62	62	56	40	38	43	232	376	708	548	123	143
12	64	64	51	40	38	42	245	427	708	505	133	123
13	64	66	48	40	37	43	268	511	628	427	133	100
14	66	68	48	40	37	42	315	692	561	376	123	97
15	62	68	46	41	37	41	330	879	554	330	113	97
16	60	66	46	45	38	41	360	944	587	272	102	97
17	59	66	46	43	38	49	445	991	753	236	100	90
18	59	66	46	41	38	57	529	1020	852	210	100	87
19	59	64	46	40	38	54	529	817	888	205	92	82
20	60	62	45	40	37	49	561	621	944	172	90	82
21	57	60	45	42	38	48	692	568	1060	154	82	78
22	57	62	45	46	38	48	843	700	1270	126	78	74
23	56	68	45	48	38	48	834	888	1220	110	80	74
24	56	82	44	46	38	48	715	1050	1020	107	90	74
25	56	82	44	46	40	51	649	991	777	104	97	74
26	56	82	43	42	40	49	614	861	628	97	100	72
27	56	87	43	42	40	48	587	879	587	97	110	72
28	54	97	43	40	40	48	574	1000	614	97	113	72
29	56	104	42	40	---	46	561	1010	692	97	110	72
30	54	100	42	40	---	48	529	991	809	94	102	78
31	56	---	42	40	---	56	---	1000	---	100	97	---
TOTAL	1845	2038	1740	1281	1077	1424	12134	21376	25768	11857	3431	2684
MEAN	59.5	67.9	56.1	41.3	38.5	45.9	404	690	859	382	111	89.5
MAX	68	104	94	48	40	57	843	1050	1270	934	150	143
MIN	54	52	42	38	37	40	87	350	554	94	78	72
AC-FT	3660	4040	3450	2540	2140	2820	24070	42400	51110	23520	6810	5320

CAL YR 1949 TOTAL 65518 MEAN 180 MAX 1140 MIN 38 AC-FT 130000
WTR YR 1950 TOTAL 86655 MEAN 237 MAX 1270 MIN 37 AC-FT 171900

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LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1948 TO SEPTEMBER 1949
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	146	87	51	43	38	59	635	753	126	92	70
2	84	184	90	50	40	38	64	574	607	120	84	68
3	82	184	97	50	40	38	80	487	517	120	84	64
4	84	184	100	50	40	38	97	398	415	126	82	68
5	92	169	94	50	40	38	123	330	382	123	82	70
6	94	150	84	50	40	40	158	282	398	113	84	68
7	92	150	78	50	40	40	214	227	457	107	90	66
8	87	126	72	50	40	40	258	236	499	104	90	68
9	82	117	72	50	40	38	272	305	535	107	90	70
10	82	120	74	50	40	38	291	382	574	107	94	70
11	80	123	80	50	40	40	315	421	649	107	94	76
12	78	120	87	50	38	40	427	499	715	107	97	76
13	78	126	107	50	40	38	433	587	594	110	92	72
14	84	129	117	50	40	38	404	649	481	100	92	70
15	87	143	97	50	40	40	388	730	427	97	90	72
16	87	146	82	50	40	41	404	934	410	100	82	70
17	90	143	70	50	40	43	469	1030	371	100	78	74
18	92	129	68	49	40	43	542	1010	335	102	78	64
19	94	120	66	49	40	46	628	1070	345	102	76	59
20	94	129	60	49	40	51	685	1140	335	100	76	56
21	94	133	60	45	38	54	670	1060	296	100	70	56
22	100	133	60	45	38	52	692	972	277	92	70	56
23	117	133	60	45	38	52	761	972	272	87	70	56
24	120	136	60	45	38	56	801	870	268	84	68	54
25	123	136	55	45	38	59	852	801	250	84	68	56
26	123	129	55	45	38	56	852	777	245	87	68	54
27	126	117	54	45	38	54	843	793	232	87	70	54
28	129	113	54	45	38	52	852	906	218	92	72	54
29	133	113	54	45	---	51	834	982	184	97	72	57
30	133	94	54	45	---	51	745	953	154	100	70	60
31	136	---	52	45	---	54	---	879	---	92	68	---
TOTAL	3064	4075	2300	1493	1105	1397	14213	21891	12195	3180	2493	1928
MEAN	98.8	136	74.2	48.2	39.5	45.1	474	706	406	103	80.4	64.3
MAX	136	184	117	51	43	59	852	1140	753	126	97	76
MIN	78	94	52	45	38	38	59	227	154	84	68	54
AC-FT	6080	8080	4560	2960	2190	2770	28190	43420	24190	6310	4940	3820

CAL YR 1948 TOTAL 78268 MEAN 214 MAX 1640 MIN 49 AC-FT 155200
WTR YR 1949 TOTAL 69334 MEAN 190 MAX 1140 MIN 38 AC-FT 137500

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1947 TO SEPTEMBER 1948
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	75	80	57	49	78	65	236	1070	489	73	82
2	69	80	78	57	49	82	63	196	1210	483	65	80
3	67	85	73	55	49	82	69	168	1520	453	63	75
4	67	85	75	55	49	78	75	162	1610	424	69	73
5	67	85	73	55	50	71	71	134	1300	370	73	73
6	69	82	73	55	52	71	71	124	1320	321	73	71
7	69	82	71	78	53	75	73	179	1500	326	75	69
8	71	85	71	98	50	78	71	285	1560	290	73	69
9	73	85	67	95	52	82	71	254	1620	258	98	69
10	71	85	67	80	52	82	73	216	1540	249	109	69
11	75	88	65	82	52	71	69	179	1460	244	98	69
12	75	90	65	82	53	71	67	151	1350	236	92	69
13	71	92	63	71	52	78	65	148	1250	224	90	67
14	75	95	63	63	50	82	69	168	1180	204	82	65
15	73	95	61	61	52	85	78	182	1010	176	80	65
16	75	95	59	61	52	80	98	224	924	140	75	67
17	85	98	59	59	53	78	172	312	353	127	78	65
18	88	100	59	55	75	78	370	514	745	103	78	67
19	88	103	61	57	82	78	355	645	652	92	78	112
20	82	100	65	53	73	71	360	675	630	95	80	98
21	80	100	67	52	78	59	396	638	668	98	73	82
22	80	100	67	52	151	57	441	588	623	92	78	73
23	82	95	67	55	127	61	465	528	574	90	80	71
24	80	98	69	69	98	65	430	554	560	85	88	71
25	80	92	69	73	95	69	430	705	521	88	90	82
26	78	92	69	65	95	65	396	924	495	90	88	130
27	78	92	71	55	95	67	370	1100	465	78	88	127
28	75	90	71	53	85	67	303	1370	441	75	80	98
29	80	88	69	52	80	69	262	1640	424	75	80	92
30	82	80	63	50	---	71	267	1470	453	75	80	90
31	80	---	57	49	---	67	---	1120	---	75	80	---
TOTAL	2352	2712	2087	1954	2003	2268	6165	15789	29528	6225	2507	2390
MEAN	75.9	90.4	67.3	63.0	69.1	73.2	205	509	984	201	80.9	79.7
MAX	88	103	80	98	151	85	465	1640	1620	489	109	130
MIN	67	75	57	49	49	57	63	124	424	75	63	65
AC-FT	4670	5380	4140	3880	3970	4500	12230	31320	58570	12350	4970	4740

CAL YR 1947 TOTAL 81746 MEAN 224 MAX 1500 MIN 57 AC-FT 162100
WTR YR 1948 TOTAL 75980 MEAN 208 MAX 1640 MIN 49 AC-FT 150700

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LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1946 TO SEPTEMBER 1947
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	192	168	70	66	98	387	630	602	276	92	59
2	109	196	165	65	75	106	387	705	638	276	88	61
3	145	188	161	62	79	109	373	915	609	280	85	61
4	161	184	161	66	84	115	342	1160	560	276	95	67
5	172	188	172	72	88	118	329	1220	502	276	98	71
6	161	192	200	72	94	109	323	1210	495	280	103	71
7	155	192	188	72	96	109	299	1240	508	272	103	73
8	158	196	172	72	86	115	304	1420	560	276	95	78
9	152	188	168	72	70	112	304	1500	616	285	88	82
10	155	168	161	72	73	135	294	1390	554	290	85	82
11	152	168	158	72	73	138	299	1070	547	272	82	82
12	148	165	161	72	86	126	310	897	495	228	80	79
13	148	158	165	71	142	120	329	769	441	179	78	76
14	148	165	172	69	129	120	413	682	418	172	73	74
15	148	168	165	62	126	126	521	567	413	162	67	71
16	148	161	158	62	126	129	602	508	413	154	67	69
17	152	158	118	64	123	138	645	465	453	134	67	66
18	155	168	101	67	120	158	675	424	502	118	67	63
19	158	213	112	70	118	188	675	435	540	106	69	63
20	161	250	123	72	112	232	675	483	547	109	73	67
21	165	222	123	71	109	272	698	588	483	109	82	69
22	176	200	112	70	115	310	698	630	402	118	80	67
23	208	222	101	70	120	348	668	595	365	124	78	65
24	213	227	81	72	118	329	638	540	345	121	71	65
25	200	192	68	74	109	304	595	588	350	103	69	63
26	200	184	68	76	112	304	588	602	391	98	69	65
27	217	188	75	72	112	299	609	602	396	98	65	65
28	208	184	76	68	106	316	652	645	365	90	63	65
29	184	180	76	67	---	329	690	595	330	88	63	65
30	196	176	72	66	---	387	682	554	290	90	63	63
31	192	---	68	65	---	402	---	574	---	95	63	---
TOTAL	5118	5633	4069	2147	2867	6201	15004	24203	14130	5555	2421	2067
MEAN	165	188	131	69.3	102	200	500	781	471	179	78.1	68.9
MAX	217	250	200	76	142	402	698	1500	638	290	103	82
MIN	73	158	68	62	66	98	294	424	290	88	63	59
AC-FT	10150	11170	8070	4260	5690	12300	29760	48010	28030	11020	4800	4100

CAL YR 1946 TOTAL 109593 MEAN 300 MAX 1640 MIN 52 AC-FT 217400
WTR YR 1947 TOTAL 89415 MEAN 245 MAX 1500 MIN 59 AC-FT 177400

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1945 TO SEPTEMBER 1946
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	71	83	110	56	52	237	1080	958	316	104	66
2	71	69	75	107	56	56	242	958	932	354	96	64
3	71	67	75	107	56	73	232	949	940	380	86	64
4	71	67	91	107	56	83	237	1060	1070	409	86	66
5	71	67	113	107	56	83	248	1230	1220	387	84	68
6	73	67	120	107	56	93	242	1340	1230	373	77	66
7	73	67	120	107	54	96	237	1340	1080	348	73	62
8	73	64	104	96	54	93	232	1250	940	335	70	64
9	73	60	78	83	54	98	211	1120	898	316	70	68
10	73	62	69	75	54	101	202	1010	940	282	75	66
11	73	64	64	69	54	104	202	864	906	250	79	64
12	73	83	62	67	54	120	221	710	796	200	79	62
13	73	104	62	58	54	126	281	669	661	180	81	62
14	73	113	62	54	54	126	424	661	804	155	79	62
15	73	123	58	54	52	126	552	645	985	152	81	62
16	71	136	56	54	52	123	752	637	985	172	79	64
17	71	140	56	54	54	120	961	702	958	172	75	66
18	71	136	54	54	52	123	1180	830	812	172	70	66
19	69	140	54	54	54	136	1340	898	581	161	70	66
20	69	140	54	55	54	170	1450	880	533	142	73	66
21	69	126	54	55	54	179	1370	864	549	123	75	62
22	69	116	54	56	52	162	1200	864	565	112	77	62
23	69	126	54	57	52	162	1170	872	605	106	81	62
24	67	129	54	57	54	166	1250	804	605	101	96	62
25	64	132	54	58	54	159	1380	762	501	94	94	62
26	64	140	54	58	52	159	1590	880	445	94	86	62
27	64	143	54	58	54	179	1640	1120	423	94	81	60
28	67	143	64	58	54	207	1460	1290	387	94	77	62
29	69	136	113	58	---	232	1370	1270	335	96	77	62
30	71	91	110	56	---	242	1290	1130	310	96	73	64
31	71	---	110	58	---	258	---	1040	---	106	70	---
TOTAL	2182	3122	2285	2208	1512	4207	23403	29729	22954	6372	2474	1914
MEAN	70.4	104	73.7	71.2	54.0	136	780	959	765	206	79.8	63.8
MAX	73	143	120	110	56	258	1640	1340	1230	409	104	68
MIN	64	60	54	54	52	52	202	637	310	94	70	60
AC-FT	4330	6190	4530	4380	3000	8340	46420	58970	45530	12640	4910	3800

CAL YR 1945 TOTAL 63934 MEAN 175 MAX 1030 MIN 49 AC-FT 126800
WTR YR 1946 TOTAL 102362 MEAN 280 MAX 1640 MIN 52 AC-FT 203000

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/86

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1944 TO SEPTEMBER 1945
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	78	126	52	80	93	93	453	300	395	88	75
2	75	75	132	49	175	91	80	521	350	424	85	78
3	73	75	129	49	136	93	75	609	400	453	80	75
4	73	93	129	51	113	91	73	692	431	467	80	78
5	71	107	126	49	107	91	73	770	506	402	83	83
6	71	85	129	49	104	90	71	823	552	362	78	88
7	71	80	129	51	98	88	71	805	544	342	83	91
8	71	75	126	51	123	88	69	752	544	323	91	93
9	73	71	110	51	120	93	69	744	513	317	98	93
10	73	73	90	49	104	107	69	675	521	317	93	93
11	75	80	80	49	101	126	67	667	475	349	93	88
12	75	78	75	51	98	147	67	601	431	362	88	83
13	75	85	75	54	129	170	67	576	431	388	88	80
14	75	80	75	60	136	155	64	513	431	402	96	78
15	78	75	65	64	104	123	62	445	409	445	93	75
16	78	71	60	71	96	110	60	375	369	409	85	73
17	83	69	60	71	96	110	60	375	293	355	83	73
18	83	67	60	71	96	107	60	287	253	323	78	73
19	83	67	65	66	93	101	62	253	269	293	73	75
20	80	69	60	65	96	101	69	237	388	258	80	78
21	80	80	58	62	96	120	104	216	560	227	83	75
22	80	91	60	60	93	147	232	193	761	179	80	75
23	80	93	58	60	93	202	388	216	814	159	80	75
24	80	96	58	64	96	166	382	281	933	147	78	73
25	78	98	56	65	96	140	336	287	1030	120	73	73
26	75	98	54	65	95	140	293	264	1000	101	78	73
27	75	116	52	65	93	140	269	253	868	96	80	73
28	75	120	54	65	93	129	269	237	675	91	78	73
29	75	120	52	62	---	107	281	242	529	96	75	73
30	73	120	51	60	---	98	342	253	453	91	75	73
31	75	---	51	70	---	98	---	269	---	85	75	---
TOTAL	2357	2585	2505	1821	2960	3662	4277	13884	16033	8778	2571	2359
MEAN	76.0	86.2	80.8	58.7	106	118	143	448	534	283	82.9	78.6
MAX	83	120	132	71	175	202	388	823	1030	467	98	93
MIN	71	67	51	49	80	88	60	193	253	85	73	73
AC-FT	4680	5130	4970	3610	5870	7260	8480	27540	31800	17410	5100	4680

CAL YR 1944 TOTAL 72604 MEAN 198 MAX 1150 MIN 51 AC-FT 144000
WTR YR 1945 TOTAL 63792 MEAN 175 MAX 1030 MIN 49 AC-FT 126500

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1937 TO SEPTEMBER 1938
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	30	---	---	---	---	72	1990	2630	1760	250	147
2	40	31	---	---	---	---	72	2060	2630	1640	202	144
3	40	31	---	---	---	---	72	1720	2780	1760	181	138
4	40	30	---	---	---	---	81	1600	2860	1640	170	131
5	38	30	---	---	---	---	94	1370	2930	1580	128	138
6	40	30	---	---	---	---	99	1240	3000	1400	118	134
7	38	30	---	---	---	---	130	1150	3100	1280	121	128
8	38	30	---	---	---	---	142	1140	3190	1280	121	131
9	36	30	---	---	---	---	148	1090	3030	1320	138	138
10	36	30	---	---	---	81	142	1130	2570	1270	162	131
11	36	28	---	---	---	81	133	1240	2140	1240	154	131
12	36	28	---	---	---	91	127	1360	2010	1120	141	128
13	36	28	---	---	---	130	130	1530	1940	1000	138	121
14	36	28	---	---	---	155	142	1720	1820	912	141	116
15	38	31	---	---	---	151	136	1860	1760	912	141	116
16	36	33	---	---	---	155	164	1990	1760	831	136	113
17	34	33	---	---	---	151	221	2130	1820	759	131	110
18	34	34	---	---	---	148	349	2200	1760	687	126	110
19	33	34	---	---	---	137	770	2060	1570	608	121	108
20	33	34	---	---	---	126	910	1720	1420	525	121	105
21	34	34	---	---	---	115	983	1470	1420	501	118	102
22	33	34	---	---	---	104	1090	1370	1520	486	118	99
23	33	34	---	---	---	96	1330	1480	1440	426	118	87
24	33	34	---	---	---	94	1360	1720	1390	386	118	71
25	34	34	---	---	---	89	1460	1990	1380	352	121	69
26	34	36	---	---	---	84	1520	2340	1530	372	118	73
27	33	34	---	---	---	79	1520	2700	1580	352	116	80
28	33	34	---	---	---	81	1430	2930	1530	340	110	85
29	31	34	---	---	---	79	1520	3000	1460	322	110	99
30	31	34	---	---	---	84	1720	2780	1570	292	108	105
31	31	---	---	---	---	74	---	2630	---	266	131	---
TOTAL	1100	955	---	---	---	---	18067	56710	61540	27619	4227	3390
MEAN	35.5	31.8	---	---	---	---	602	1829	2051	891	136	113
MAX	42	36	---	---	---	---	1720	3000	3190	1760	250	147
MIN	31	28	---	---	---	---	72	1090	1380	266	108	69
AC-FT	2180	1890	---	---	---	---	35840	112500	122100	54780	8380	6720

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1936 TO SEPTEMBER 1937
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	46	33	---	---	---	70	173	227	73	46	38
2	49	44	33	---	---	---	77	214	166	73	46	38
3	49	44	33	---	---	---	68	323	162	75	46	36
4	49	42	---	---	---	---	64	440	200	75	47	38
5	49	42	---	---	---	---	55	529	185	73	46	40
6	49	44	---	---	---	---	46	630	143	77	46	38
7	49	44	---	---	---	---	38	630	116	77	46	40
8	49	42	---	---	---	---	44	588	102	84	44	40
9	49	42	---	---	---	---	51	588	122	90	49	40
10	49	40	---	---	---	---	49	596	127	90	46	42
11	49	40	---	---	---	---	51	562	110	84	42	42
12	49	40	---	---	---	---	49	512	100	84	42	40
13	49	42	---	---	---	---	49	456	94	84	42	40
14	49	42	---	---	---	---	57	440	82	84	44	38
15	51	42	---	---	---	---	47	456	75	82	44	38
16	51	42	---	---	---	---	40	425	80	75	46	36
17	51	42	---	---	---	---	34	374	102	73	44	36
18	51	42	---	---	---	---	31	323	110	73	42	36
19	53	40	---	---	---	---	31	329	105	70	40	36
20	55	40	---	---	---	---	28	287	100	62	38	38
21	53	38	---	---	---	---	28	204	108	62	36	44
22	53	38	---	---	---	---	33	170	166	62	38	47
23	53	38	---	---	---	---	57	227	189	64	36	46
24	51	36	---	---	---	---	70	256	127	62	36	44
25	51	36	---	---	---	---	70	287	92	59	36	46
26	51	34	---	---	---	---	77	367	73	59	34	44
27	49	34	---	---	---	30	133	403	66	55	34	44
28	47	34	---	---	---	34	200	403	64	53	36	42
29	47	34	---	---	---	36	196	418	75	47	38	44
30	47	33	---	---	---	40	173	341	73	46	38	42
31	46	---	---	---	---	53	---	266	---	44	38	---
TOTAL	1546	1197	---	---	---	---	2016	12217	3541	2171	1286	1213
MEAN	49.9	39.9	---	---	---	---	67.2	394	118	70.0	41.5	40.4
MAX	55	46	---	---	---	---	200	630	227	90	49	47
MIN	46	33	---	---	---	---	28	170	64	44	34	36
AC-FT	3070	2370	---	---	---	---	4000	24230	7020	4310	2550	2410

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1935 TO SEPTEMBER 1936
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	44	---	---	---	---	28	621	761	100	73	49
2	51	---	---	---	---	---	28	596	851	94	70	53
3	51	---	---	---	---	---	28	596	707	94	70	57
4	51	---	---	---	---	---	28	689	613	100	75	59
5	51	---	---	---	---	---	28	806	504	105	73	59
6	51	---	---	---	---	---	28	815	472	105	70	55
7	51	---	---	---	---	---	28	707	680	102	66	55
8	47	---	---	---	---	---	30	638	888	97	57	57
9	47	---	---	---	---	---	33	630	833	94	57	55
10	47	---	---	---	---	---	40	689	638	97	55	53
11	47	---	---	---	---	---	110	788	562	94	55	51
12	47	---	---	---	---	---	180	879	520	94	55	51
13	47	---	---	---	---	---	250	984	520	90	55	53
14	48	---	---	---	---	---	282	1100	472	84	57	59
15	48	---	---	---	---	---	397	1220	440	80	55	59
16	48	---	---	---	---	---	513	1120	382	87	55	59
17	49	---	---	---	---	---	628	870	298	84	51	59
18	49	---	---	---	---	---	743	743	240	82	51	59
19	48	---	---	---	---	---	859	663	227	80	51	57
20	48	---	---	---	---	---	974	571	236	77	51	55
21	48	---	---	---	---	---	1010	464	214	77	53	55
22	47	---	---	---	---	---	1050	367	200	77	53	55
23	46	---	---	---	---	---	1090	317	177	77	57	55
24	46	---	---	---	---	---	1110	256	156	82	53	53
25	45	---	---	---	---	---	1010	256	140	82	53	51
26	45	---	---	---	---	---	917	282	133	75	53	51
27	44	---	---	---	---	---	824	374	122	70	55	51
28	43	---	---	---	---	---	761	512	102	68	55	51
29	43	---	---	---	---	---	698	588	82	68	53	51
30	42	---	---	---	---	28	689	554	87	73	53	51
31	43	---	---	---	---	28	---	579	---	77	51	---
TOTAL	1469	---	---	---	---	---	14394	20274	12257	2666	1791	1638
MEAN	47.4	---	---	---	---	---	480	654	409	86.0	57.8	54.6
MAX	51	---	---	---	---	---	1110	1220	888	105	75	59
MIN	42	---	---	---	---	---	28	256	82	68	51	49
AC-FT	2910	---	---	---	---	---	28550	40210	24310	5290	3550	3250

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1934 TO SEPTEMBER 1935
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	---	---	---	---	---	29	350	1030	348	77	53
2	---	---	---	---	---	---	25	354	1050	310	77	55
3	---	---	---	---	---	---	26	348	1000	304	82	57
4	---	---	---	---	---	---	31	335	1000	298	82	55
5	---	---	---	---	---	---	31	382	1050	287	75	53
6	---	---	---	---	---	---	31	472	1120	277	68	51
7	---	---	---	---	---	---	31	537	1180	245	70	53
8	---	---	---	---	---	---	31	562	1210	214	73	53
9	---	---	---	---	---	---	31	537	1340	189	73	51
10	---	---	---	---	---	---	31	512	1290	170	73	51
11	---	---	---	---	---	---	31	504	1190	149	73	51
12	---	---	---	---	---	---	30	480	1250	136	75	51
13	---	---	---	---	---	---	30	456	1280	119	77	53
14	---	---	---	---	---	---	28	382	1220	122	66	53
15	---	---	---	---	---	---	30	323	1140	122	59	51
16	---	---	---	---	---	---	31	323	1000	122	64	49
17	---	---	---	---	---	---	28	374	851	124	64	49
18	---	---	---	---	---	---	25	348	833	124	64	49
19	---	---	---	---	---	---	25	304	788	124	70	46
20	---	---	---	---	---	---	25	277	842	124	66	44
21	---	---	---	---	---	---	42	298	824	108	62	46
22	---	---	---	---	---	---	149	410	788	105	57	49
23	---	---	---	---	---	---	166	504	734	108	55	47
24	---	---	---	---	---	---	159	630	672	105	53	47
25	---	---	---	---	---	---	159	698	562	102	53	47
26	---	---	---	---	---	---	177	698	488	100	49	49
27	---	---	---	---	---	---	214	725	448	94	49	49
28	---	---	---	---	---	---	300	725	448	84	51	49
29	---	---	---	---	---	34	300	680	440	87	57	51
30	---	---	---	---	---	36	350	680	403	90	57	51
31	---	---	---	---	---	32	---	860	---	80	55	---
TOTAL	---	---	---	---	---	---	2596	15068	27471	4971	2026	1513
MEAN	---	---	---	---	---	---	86.5	486	916	160	65.4	50.4
MAX	---	---	---	---	---	---	350	360	1340	348	82	57
MIN	---	---	---	---	---	---	25	277	403	80	49	44
AC-FT	---	---	---	---	---	---	5150	29890	54490	9860	4020	3000

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1933 TO SEPTEMBER 1934
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	---	---	---	---	---	54	96	93	48	27	23
2	55	---	---	---	---	---	56	106	96	48	29	23
3	55	---	---	---	---	---	52	110	88	46	26	23
4	54	---	---	---	---	---	44	93	84	44	28	23
5	53	---	---	---	---	---	46	86	75	44	28	23
6	52	---	---	---	---	---	46	93	75	43	29	22
7	50	---	---	---	---	---	46	98	100	44	26	22
8	50	---	---	---	---	---	46	90	103	44	26	31
9	50	---	---	---	---	---	46	84	96	43	25	26
10	48	---	---	---	---	---	44	79	96	41	28	25
11	48	---	---	---	---	---	43	81	93	39	26	22
12	48	---	---	---	---	---	41	79	90	39	25	21
13	---	---	---	---	---	---	41	88	93	39	26	21
14	---	---	---	---	---	---	44	96	100	36	26	21
15	---	---	---	---	---	---	54	93	90	36	25	22
16	---	---	---	---	---	---	56	96	77	36	26	22
17	---	---	---	---	---	---	58	103	75	34	23	22
18	---	---	---	---	---	---	58	110	70	34	23	21
19	---	---	---	---	---	---	60	116	64	34	23	21
20	---	---	---	---	---	32	62	113	60	32	23	21
21	---	---	---	---	---	34	66	108	60	31	22	21
22	---	---	---	---	---	36	70	106	62	31	22	21
23	---	---	---	---	---	34	77	100	60	29	22	22
24	---	---	---	---	---	34	84	93	62	29	22	23
25	---	---	---	---	---	36	93	90	60	32	22	23
26	---	---	---	---	---	37	98	90	62	31	22	23
27	---	---	---	---	---	39	90	90	68	31	22	23
28	---	---	---	---	---	43	103	90	64	29	22	23
29	---	---	---	---	---	43	96	88	58	28	23	23
30	---	---	---	---	---	44	93	86	52	28	25	23
31	---	---	---	---	---	52	---	86	---	29	23	---
TOTAL	---	---	---	---	---	---	1867	2937	2326	1132	765	680
MEAN	---	---	---	---	---	---	62.2	94.7	77.5	36.5	24.7	22.7
MAX	---	---	---	---	---	---	103	116	103	48	29	31
MIN	---	---	---	---	---	---	41	79	52	28	22	21
AC-FT	---	---	---	---	---	---	3700	5830	4610	2250	1520	1350

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1932 TO SEPTEMBER 1933
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	418	800	200	77	58
2	---	---	---	---	---	---	---	412	810	165	77	56
3	---	---	---	---	---	---	---	370	931	131	70	53
4	---	---	---	---	---	---	---	316	986	106	68	51
5	---	---	---	---	---	---	---	316	865	106	68	51
6	---	---	---	---	---	---	---	301	736	106	66	51
7	---	---	---	---	---	---	---	301	747	106	62	47
8	---	---	---	---	---	---	---	311	789	113	56	47
9	---	---	---	---	---	---	---	282	821	110	49	47
10	---	---	---	---	---	---	44	277	942	103	49	45
11	---	---	---	---	---	---	55	259	975	98	47	47
12	---	---	---	---	---	---	55	254	1100	88	49	51
13	---	---	---	---	---	---	55	237	1180	86	49	56
14	---	---	---	---	---	---	55	220	1240	90	51	51
15	---	---	---	---	---	---	55	245	1270	98	43	53
16	---	---	---	---	---	---	55	268	1280	134	41	51
17	---	---	---	---	---	---	55	282	1300	113	45	51
18	---	---	---	---	---	---	55	291	1030	98	49	51
19	---	---	---	---	---	---	65	282	832	88	56	51
20	63	---	---	---	---	---	60	263	726	75	51	51
21	---	---	---	---	---	---	55	263	593	66	51	49
22	---	---	---	---	---	---	52	306	534	68	53	51
23	---	---	---	---	---	---	52	342	450	66	56	56
24	---	---	---	---	---	---	49	359	390	64	56	62
25	---	---	---	---	---	---	46	388	403	68	58	64
26	---	---	---	---	---	---	108	450	383	68	62	68
27	---	---	---	---	---	---	197	535	353	73	64	64
28	---	---	---	---	---	---	316	583	329	77	60	62
29	---	---	---	---	---	---	470	591	296	75	56	58
30	---	---	---	---	---	---	470	615	255	73	53	57
31	---	---	---	---	---	---	---	736	---	77	58	---
TOTAL	---	---	---	---	---	---	---	11073	23346	2989	1750	1610
MEAN	---	---	---	---	---	---	---	357	778	96.4	56.5	53.7
MAX	---	---	---	---	---	---	---	736	1300	200	77	68
MIN	---	---	---	---	---	---	---	220	255	64	41	45
AC-FT	---	---	---	---	---	---	---	21960	46310	5930	3470	3190

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1931 TO SEPTEMBER 1932
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	---	---	---	---	---	---	353	463	1070	85	99
2	20	---	---	---	---	---	28	405	399	1010	93	91
3	20	---	---	---	---	---	23	450	393	876	91	79
4	19	---	---	---	---	---	17	543	388	736	79	76
5	19	---	---	---	---	---	15	567	687	583	71	74
6	18	---	---	---	---	---	13	575	1270	485	88	74
7	18	---	---	---	---	---	12	583	1240	437	79	68
8	18	---	---	---	---	---	10	615	1160	431	79	68
9	---	---	---	---	---	---	9.0	716	1140	418	85	65
10	---	---	---	---	---	---	9.0	810	1140	388	91	65
11	---	---	---	---	---	---	9.0	942	1140	359	96	65
12	---	---	---	---	---	---	7.0	1150	1220	359	88	63
13	---	---	---	---	---	---	7.0	1240	1360	376	85	63
14	---	---	---	---	---	---	42	1430	1460	477	82	68
15	---	---	---	---	---	---	157	1490	1590	388	79	65
16	---	---	---	---	---	---	174	1370	1760	316	74	65
17	---	---	---	---	---	---	192	1300	1760	273	71	63
18	---	---	---	---	---	---	210	1320	1710	233	71	60
19	---	---	---	---	---	---	228	1390	1620	237	71	57
20	---	---	---	---	---	---	246	1390	1540	224	71	60
21	---	---	---	---	---	---	264	1480	1490	204	71	60
22	---	---	---	---	---	---	282	1560	1580	178	74	60
23	---	---	---	---	---	---	263	1310	1760	157	74	60
24	---	---	---	---	---	---	237	1030	1760	147	74	63
25	---	---	---	---	---	---	220	843	1820	133	71	65
26	---	---	---	---	---	---	237	726	1710	114	71	65
27	---	---	---	---	---	---	286	599	1560	108	82	65
28	---	---	---	---	---	---	291	543	1380	118	99	65
29	---	---	---	---	---	---	291	535	1330	108	124	65
30	---	---	---	---	---	---	311	521	1250	99	121	65
31	---	---	---	---	---	---	---	506	---	91	108	---
TOTAL	---	---	---	---	---	---	---	28292	39080	11133	2598	2021
MEAN	---	---	---	---	---	---	---	913	1303	359	83.8	67.4
MAX	---	---	---	---	---	---	---	1560	1820	1070	124	99
MIN	---	---	---	---	---	---	---	353	388	91	71	57
AC-FT	---	---	---	---	---	---	---	56120	77520	22080	5150	4010

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1930 TO SEPTEMBER 1931
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	50	46	83	55	34	18
2	---	---	---	---	---	---	48	52	83	52	34	18
3	---	---	---	---	---	---	43	55	100	50	32	18
4	---	---	---	---	---	---	43	62	89	48	30	18
5	---	---	---	---	---	---	41	70	89	46	30	18
6	---	---	---	---	---	---	41	73	105	41	32	18
7	---	---	---	---	---	---	41	75	105	39	30	16
8	---	---	---	---	---	---	39	78	86	36	26	16
9	---	---	---	---	---	---	39	80	75	34	26	14
10	---	---	---	---	---	---	39	78	86	34	26	14
11	---	---	---	---	---	---	39	73	100	39	24	14
12	---	---	---	---	---	---	39	70	105	41	28	16
13	---	---	---	---	---	---	36	70	91	41	32	16
14	---	---	---	---	---	---	36	94	83	39	39	18
15	---	---	---	---	---	---	36	94	78	36	34	18
16	---	---	---	---	---	---	36	100	73	36	32	20
17	---	---	---	---	---	---	36	123	83	34	30	20
18	---	---	---	---	---	---	36	103	80	32	26	18
19	---	---	---	---	---	---	36	114	89	32	26	20
20	---	---	---	---	---	---	34	91	86	32	24	20
21	---	---	---	---	---	---	34	80	91	30	22	18
22	---	---	---	---	---	---	34	70	94	32	22	18
23	---	---	---	---	---	---	34	70	80	32	22	18
24	---	---	---	---	---	---	39	78	78	34	22	22
25	---	---	---	---	---	---	41	94	78	34	20	22
26	---	---	---	---	---	---	41	105	67	32	20	20
27	---	---	---	---	---	---	41	108	65	30	20	22
28	---	---	---	---	---	---	32	89	60	26	20	22
29	---	---	---	---	---	---	36	86	57	26	20	22
30	---	---	---	---	---	---	41	94	57	32	18	20
31	---	---	---	---	---	50	---	83	---	34	18	---
TOTAL	---	---	---	---	---	---	1161	2558	2496	1139	819	552
MEAN	---	---	---	---	---	---	38.7	82.5	83.2	36.7	26.4	18.4
MAX	---	---	---	---	---	---	50	123	105	55	39	22
MIN	---	---	---	---	---	---	32	46	57	26	18	14
AC-FT	---	---	---	---	---	---	2300	5070	4950	2260	1620	1090

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1929 TO SEPTEMBER 1930
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	36	414	625	201	86	70
2	---	---	---	---	---	---	34	376	523	182	86	67
3	---	---	---	---	---	---	30	434	414	174	86	70
4	---	---	---	---	---	---	43	531	352	174	86	78
5	---	---	---	---	---	---	78	515	346	167	86	80
6	---	---	---	---	---	---	141	485	334	161	86	78
7	---	---	---	---	---	---	252	449	470	144	86	78
8	---	---	---	---	---	---	312	463	698	123	80	78
9	---	---	---	---	---	---	348	421	815	117	83	78
10	---	---	---	---	---	---	385	363	928	132	91	78
11	---	---	---	---	---	---	421	317	1060	141	89	78
12	---	---	---	---	---	---	441	271	1100	148	91	78
13	---	---	---	---	---	---	485	247	855	129	100	75
14	---	---	---	---	---	---	540	234	643	117	108	75
15	---	---	---	---	---	---	507	301	564	123	105	75
16	---	---	---	---	---	---	421	334	564	144	94	73
17	---	---	---	---	---	---	376	334	643	151	89	70
18	---	---	---	---	---	---	346	323	661	126	83	70
19	---	---	---	---	---	---	323	340	580	103	80	67
20	---	---	---	---	---	---	317	329	507	100	75	67
21	---	---	---	---	---	---	340	357	441	100	70	67
22	---	---	---	---	---	---	456	395	434	108	67	67
23	---	---	---	---	---	---	556	363	401	89	65	70
24	---	---	---	---	---	---	698	352	357	86	60	70
25	---	---	---	---	---	---	918	376	312	80	60	73
26	---	---	---	---	---	---	845	389	296	80	62	78
27	---	---	---	---	---	---	765	401	296	78	67	80
28	---	---	---	---	---	---	661	564	286	78	70	78
29	---	---	---	---	---	26	589	825	256	80	70	78
30	---	---	---	---	---	32	507	918	216	83	67	78
31	---	---	---	---	---	34	---	815	---	86	67	---
TOTAL	---	---	---	---	---	---	12171	13236	15977	3805	2495	2222
MEAN	---	---	---	---	---	---	406	427	533	123	80.5	74.1
MAX	---	---	---	---	---	---	918	918	1100	201	108	80
MIN	---	---	---	---	---	---	30	234	216	78	60	67
AC-FT	---	---	---	---	---	---	24140	26250	31690	7550	4950	4410

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1928 TO SEPTEMBER 1929
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	43	98	75	158	60	60
2	---	---	---	---	---	---	46	109	73	135	62	60
3	---	---	---	---	---	---	46	120	75	132	65	57
4	---	---	---	---	---	---	46	129	73	117	60	60
5	---	---	---	---	---	---	48	141	73	105	60	65
6	---	---	---	---	---	---	50	138	73	103	52	73
7	---	---	---	---	---	---	48	132	70	97	50	70
8	---	---	---	---	---	---	50	114	94	100	50	65
9	---	---	---	---	---	---	60	142	151	91	52	62
10	---	---	---	---	---	---	57	171	189	91	55	60
11	---	---	---	---	---	---	57	158	178	91	52	60
12	---	---	---	---	---	---	57	148	178	91	55	57
13	---	---	---	---	---	---	57	185	193	89	57	57
14	---	---	---	---	---	---	57	208	247	86	50	52
15	---	---	---	---	---	---	57	216	340	89	48	52
16	---	---	---	---	---	---	55	221	470	91	48	52
17	---	---	---	---	---	---	52	225	427	91	48	52
18	---	---	---	---	---	---	50	216	256	91	50	52
19	---	---	---	---	---	---	52	204	189	91	50	52
20	---	---	---	---	---	---	57	212	154	89	52	52
21	---	---	---	---	---	---	55	189	148	86	52	55
22	---	---	---	---	---	---	54	201	201	80	52	55
23	---	---	---	---	---	---	52	291	216	73	55	52
24	---	---	---	---	---	---	50	329	208	65	52	52
25	---	---	---	---	---	---	48	340	208	62	52	52
26	---	---	---	---	---	---	46	301	230	60	55	52
27	---	---	---	---	---	---	56	252	221	55	57	52
28	---	---	---	---	---	---	67	189	193	57	57	52
29	---	---	---	---	---	60	77	132	189	60	60	52
30	---	---	---	---	---	52	88	100	182	60	55	52
31	---	---	---	---	---	46	---	89	---	60	57	---
TOTAL	---	---	---	---	---	---	1638	5700	5574	2746	1680	1696
MEAN	---	---	---	---	---	---	54.6	184	186	88.6	54.2	56.5
MAX	---	---	---	---	---	---	88	340	470	158	65	73
MIN	---	---	---	---	---	---	43	89	70	55	48	52
AC-FT	---	---	---	---	---	---	3250	11310	11060	5450	3330	3360

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1927 TO SEPTEMBER 1928
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	129	607	907	178	75	67
2	---	---	---	---	---	---	129	589	805	171	75	65
3	---	---	---	---	---	---	132	564	746	154	70	62
4	---	---	---	---	---	---	126	540	607	148	75	62
5	---	---	---	---	---	---	120	515	556	141	89	62
6	---	---	---	---	---	---	114	598	548	135	94	60
7	---	---	---	---	---	---	114	765	507	132	94	57
8	---	---	---	---	---	---	114	907	463	135	91	57
9	---	---	---	---	---	---	114	1150	434	135	86	60
10	---	---	---	---	---	---	117	1240	427	132	83	62
11	---	---	---	---	---	---	120	1320	421	135	80	65
12	---	---	---	---	---	---	120	1380	395	129	80	65
13	---	---	---	---	---	---	117	1390	369	129	83	73
14	---	---	---	---	---	---	120	1210	346	120	78	73
15	---	---	---	---	---	108	123	981	306	120	75	70
16	---	---	---	---	---	105	129	865	281	120	75	65
17	---	---	---	---	---	103	135	775	266	108	75	62
18	---	---	---	---	---	97	144	865	247	108	73	60
19	---	---	---	---	---	94	151	1040	225	111	70	57
20	---	---	---	---	---	97	161	1110	208	103	73	57
21	---	---	---	---	---	100	161	1190	193	103	73	57
22	---	---	---	---	---	111	154	1330	161	94	73	55
23	---	---	---	---	---	126	158	1410	158	86	73	55
24	---	---	---	---	---	138	174	1460	182	83	73	52
25	---	---	---	---	---	144	230	1560	212	89	73	52
26	---	---	---	---	---	138	323	1720	238	89	75	52
27	---	---	---	---	---	154	499	1820	243	89	78	52
28	---	---	---	---	---	154	531	1640	212	86	78	52
29	---	---	---	---	---	144	540	1480	189	86	75	52
30	---	---	---	---	---	135	580	1260	178	91	75	52
31	---	---	---	---	---	132	---	1070	---	83	70	---
TOTAL	---	---	---	---	---	---	5879	34351	11030	3623	2410	1792
MEAN	---	---	---	---	---	---	196	1108	368	117	77.7	59.7
MAX	---	---	---	---	---	---	580	1820	907	178	94	73
MIN	---	---	---	---	---	---	114	515	158	83	70	52
AC-FT	---	---	---	---	---	---	11660	68140	21880	7190	4780	3550

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1926 TO SEPTEMBER 1927
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	150	1260	697	1100	144	126
2	---	---	---	---	---	---	150	1170	643	1040	148	132
3	---	---	---	---	---	---	150	1050	652	1020	148	132
4	---	---	---	---	---	---	150	949	680	1010	141	132
5	---	---	---	---	---	---	138	928	785	896	138	132
6	---	---	---	---	---	---	148	938	981	835	135	129
7	35	---	---	---	---	---	171	992	1330	815	148	129
8	---	---	---	---	---	---	171	992	1890	708	141	135
9	---	---	---	---	---	---	167	886	2170	698	135	141
10	---	---	---	---	---	---	164	835	1890	670	138	161
11	---	---	---	---	---	---	164	845	1960	598	138	182
12	---	---	---	---	---	---	167	970	2100	531	135	178
13	---	---	---	---	---	---	174	1050	2240	456	151	197
14	---	---	---	---	---	---	178	1300	2390	456	161	193
15	---	---	---	---	---	---	185	1630	2240	435	178	185
16	---	---	---	---	---	---	201	1960	2030	414	161	174
17	---	---	---	---	---	---	212	2390	1890	389	148	167
18	---	---	---	---	---	---	225	2320	1820	363	138	164
19	---	---	---	---	---	---	234	1960	1890	346	135	161
20	---	---	---	---	---	---	212	1680	2030	317	135	161
21	---	---	---	---	---	---	204	1460	1820	291	135	158
22	---	---	---	---	---	---	204	1220	1750	261	129	154
23	---	---	---	---	---	---	208	1080	1790	221	126	151
24	---	---	---	---	---	---	221	938	1810	182	120	151
25	---	---	---	---	---	---	329	886	1710	189	120	154
26	---	---	---	---	---	---	540	960	1790	212	123	154
27	---	---	---	---	---	---	785	1080	1960	189	123	148
28	---	---	---	---	---	---	918	1090	1550	171	123	144
29	---	---	---	---	---	---	992	949	1350	167	126	148
30	---	---	---	---	---	---	1080	805	1210	161	129	148
31	---	---	---	---	---	---	---	751	---	158	129	---
TOTAL	---	---	---	---	---	---	8992	37324	49048	15299	4279	4621
MEAN	---	---	---	---	---	---	300	1204	1635	494	138	154
MAX	---	---	---	---	---	---	1080	2390	2390	1100	178	197
MIN	---	---	---	---	---	---	138	751	643	158	120	126
AC-FT	---	---	---	---	---	---	17840	74030	97290	30350	8490	9170

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1925 TO SEPTEMBER 1926
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	150	502	171	69	48	46
2	---	---	---	---	---	---	150	474	161	67	47	44
3	---	---	---	---	---	---	150	419	151	64	46	44
4	---	---	---	---	---	---	150	338	139	64	47	46
5	---	---	---	---	---	---	150	343	136	64	47	44
6	---	---	---	---	---	---	150	321	142	62	47	46
7	---	---	---	---	---	---	181	256	142	62	48	46
8	---	---	---	---	---	---	207	200	127	77	48	44
9	---	---	---	---	---	---	222	151	115	98	48	44
10	---	---	---	---	---	---	252	133	98	82	48	44
11	---	---	---	---	---	---	256	98	85	74	49	44
12	---	---	---	---	---	---	256	80	74	69	51	44
13	---	---	---	---	---	---	280	82	74	69	51	44
14	---	---	---	---	---	---	310	96	80	67	51	44
15	---	---	---	---	---	---	348	98	87	64	49	44
16	200	---	---	---	---	---	419	98	90	62	49	44
17	---	---	---	---	---	---	488	101	96	62	46	44
18	---	---	---	---	---	---	532	98	96	57	44	46
19	---	---	---	---	---	---	578	110	101	57	46	44
20	---	---	---	---	---	---	562	181	98	53	46	42
21	---	---	---	---	---	---	495	218	90	53	46	42
22	---	---	---	---	---	---	474	207	82	55	46	42
23	---	---	---	---	---	---	453	207	74	53	46	40
24	---	---	---	---	---	---	453	196	74	55	40	40
25	---	---	---	---	---	---	446	178	77	55	40	42
26	---	---	---	---	---	---	481	161	74	55	40	42
27	---	---	---	---	---	---	488	171	74	53	42	42
28	---	---	---	---	---	---	510	161	74	52	44	42
29	---	---	---	---	---	---	562	174	72	51	44	45
30	---	---	---	---	---	---	532	196	69	50	44	45
31	---	---	---	---	---	164	---	188	---	49	46	---
TOTAL	---	---	---	---	---	---	10685	6236	3023	1924	1434	1310
MEAN	---	---	---	---	---	---	356	201	101	62.1	46.3	43.7
MAX	---	---	---	---	---	---	578	502	171	98	51	46
MIN	---	---	---	---	---	---	150	80	69	49	40	40
AC-FT	---	---	---	---	---	---	21190	12370	6000	3820	2840	2600

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1924 TO SEPTEMBER 1925
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	161	808	1410	1250	134	141
2	---	---	---	---	---	---	161	925	1170	1040	131	134
3	---	---	---	---	---	---	131	1040	1090	1020	161	128
4	---	---	---	---	---	---	168	1140	997	945	151	121
5	---	---	---	---	---	---	204	1280	935	966	141	124
6	---	---	---	---	---	---	243	1440	905	895	134	124
7	---	---	---	---	---	---	264	1580	751	798	121	131
8	---	---	---	---	---	---	315	1640	706	733	118	141
9	---	---	---	---	---	---	442	1460	679	653	112	138
10	---	---	---	---	---	---	561	1330	670	602	106	124
11	---	---	---	---	---	---	697	1440	644	561	101	121
12	---	---	---	---	---	---	770	1490	644	537	109	118
13	---	---	---	---	---	---	798	1340	636	477	109	115
14	---	---	---	---	---	---	846	1340	594	416	134	121
15	---	---	---	---	---	---	915	1400	619	376	147	141
16	---	---	---	---	---	---	945	1490	662	337	138	154
17	---	---	---	---	---	---	1020	1540	636	301	141	158
18	---	---	---	---	---	---	1040	1620	636	287	134	154
19	---	---	---	---	---	---	976	1780	770	264	124	154
20	---	---	---	---	---	---	875	2030	966	239	128	158
21	---	---	---	---	---	---	788	2100	1240	219	131	158
22	---	---	---	---	---	---	760	1890	1650	212	134	154
23	---	---	---	---	---	---	678	1740	1720	200	144	151
24	---	---	---	---	---	---	596	1600	1580	188	141	141
25	---	---	---	---	---	---	513	1550	1530	175	138	141
26	---	---	---	---	---	---	521	1440	1460	144	144	141
27	---	---	---	---	---	---	521	1460	1270	124	144	131
28	---	---	---	---	---	---	545	1610	1180	121	138	128
29	---	---	---	---	---	---	602	1890	1220	124	138	131
30	---	---	---	---	---	151	653	1890	1580	128	141	134
31	---	---	---	---	---	---	---	1740	---	131	141	---
TOTAL	---	---	---	---	---	---	17709	47023	30550	14463	4108	4110
MEAN	---	---	---	---	---	---	590	1517	1018	467	133	137
MAX	---	---	---	---	---	---	1040	2100	1720	1250	161	158
MIN	---	---	---	---	---	---	131	808	594	121	101	115
AC-FT	---	---	---	---	---	---	35130	93270	60600	28690	8150	8150

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1923 TO SEPTEMBER 1924
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	231	173	90	---	---	48	198	64	50	39	32
2	152	231	144	90	---	---	48	216	62	48	41	32
3	152	231	144	---	---	---	47	270	59	48	41	32
4	181	213	134	---	---	---	47	307	65	48	39	32
5	235	213	131	---	---	---	46	286	65	48	39	33
6	227	205	134	---	---	---	65	254	65	50	37	35
7	249	201	141	---	---	---	65	212	65	52	35	33
8	253	201	131	---	---	---	65	159	65	52	37	35
9	253	197	115	---	---	---	81	109	65	52	37	36
10	253	201	112	---	---	---	100	100	69	57	35	36
11	244	197	109	---	---	---	115	90	60	62	35	36
12	231	193	103	---	---	---	124	81	60	62	35	36
13	222	185	103	---	---	---	160	143	60	59	35	36
14	220	189	103	---	---	---	160	173	60	54	35	36
15	218	185	109	---	---	---	160	180	60	52	35	37
16	231	180	112	---	---	---	190	176	60	48	37	35
17	249	180	115	---	---	---	187	194	57	44	37	33
18	244	180	118	---	---	---	180	212	60	46	37	33
19	244	173	134	---	---	---	173	190	60	48	39	33
20	244	175	134	---	---	---	170	201	60	50	41	35
21	249	175	131	---	---	---	173	205	60	52	39	37
22	249	175	125	---	---	---	196	187	60	52	39	37
23	240	175	122	---	---	---	220	166	60	44	39	36
24	240	175	122	---	---	---	212	150	62	42	37	36
25	240	175	118	---	---	---	201	134	62	42	35	36
26	240	181	128	---	---	---	194	118	64	42	33	36
27	240	177	128	---	---	---	184	124	64	41	33	35
28	240	162	81	---	---	---	184	109	52	39	33	35
29	231	166	84	---	---	52	180	95	52	39	33	35
30	227	177	95	---	---	50	194	76	52	35	33	35
31	222	---	90	---	---	48	---	69	---	39	32	---
TOTAL	7086	5699	3723	---	---	---	4169	5184	1829	1497	1132	1044
MEAN	229	190	120	---	---	---	139	167	61.0	48.3	36.5	34.8
MAX	253	231	173	---	---	---	220	307	69	62	41	37
MIN	152	162	81	---	---	---	46	69	52	35	32	32
AC-FT	14060	11300	7380	---	---	---	8270	10280	3630	2970	2250	2070

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1922 TO SEPTEMBER 1923
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	137	126	---	---	---	205	474	681	1510	231	141
2	107	137	126	---	---	---	272	455	681	1580	205	148
3	107	123	129	---	---	---	222	431	681	1580	162	144
4	102	123	129	---	---	---	193	437	616	1470	144	138
5	104	120	131	---	---	---	201	487	578	1260	131	141
6	104	115	134	---	---	---	282	625	541	1010	125	144
7	107	90	131	---	---	---	227	780	702	877	109	148
8	107	90	126	---	---	---	201	855	965	800	98	144
9	107	99	126	---	---	---	185	998	1100	712	95	141
10	107	115	126	---	---	---	177	1120	1270	650	90	138
11	104	117	126	---	---	---	181	1120	1550	633	76	138
12	109	117	---	---	---	---	209	1050	1700	633	74	138
13	110	120	---	---	---	---	267	998	1840	596	79	134
14	110	131	---	---	---	---	291	866	1470	560	81	138
15	110	134	---	---	---	---	296	800	1070	524	90	138
16	110	137	---	---	---	---	322	780	899	487	90	138
17	110	140	---	---	---	---	406	790	866	448	90	144
18	110	143	---	---	---	---	474	811	722	410	92	146
19	112	143	---	---	---	---	501	866	702	372	100	148
20	107	140	---	---	---	---	514	888	676	333	125	144
21	104	137	---	---	---	---	481	910	659	314	144	144
22	120	129	---	---	---	---	424	987	702	296	122	144
23	126	126	---	---	---	---	366	987	899	277	112	144
24	126	123	---	---	---	---	343	1040	1120	263	106	144
25	131	126	---	---	---	---	322	1210	1160	530	103	158
26	131	126	---	---	---	---	322	1460	1110	514	98	185
27	131	126	---	---	---	---	368	1330	1120	349	95	193
28	131	131	---	---	---	---	415	1030	1150	296	98	185
29	137	131	---	---	---	---	462	811	1230	277	95	185
30	131	131	---	---	---	---	494	762	1390	282	95	179
31	129	---	---	---	---	169	---	762	---	263	106	---
TOTAL	3550	3757	---	---	---	---	9623	26920	29850	20106	3461	4494
MEAN	115	125	---	---	---	---	321	868	995	649	112	150
MAX	137	143	---	---	---	---	514	1460	1840	1580	231	193
MIN	102	90	---	---	---	---	177	431	541	263	74	134
AC-FT	7040	7450	---	---	---	---	19090	53400	59210	39880	6860	8910

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1921 TO SEPTEMBER 1922
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	184	119	160	122	58	42	67	614	1730	973	95	123
2	184	117	156	128	60	36	86	606	1770	840	95	134
3	180	114	140	125	52	38	103	660	1810	746	109	137
4	165	111	119	105	52	38	163	744	1880	729	129	131
5	165	108	114	122	52	38	166	880	2090	685	129	129
6	165	108	111	90	52	38	166	1060	2300	627	120	131
7	165	111	108	92	52	38	203	1120	2370	550	112	134
8	165	111	105	79	52	39	215	1180	2230	506	107	137
9	165	114	103	70	45	37	184	1140	2090	453	107	140
10	165	111	103	60	43	34	177	1030	1880	422	109	137
11	165	111	105	64	43	34	174	915	1630	365	112	140
12	153	114	111	64	51	33	170	884	1560	345	109	137
13	147	119	117	64	58	30	153	944	1930	350	109	134
14	147	119	119	64	50	31	160	1090	1930	339	104	129
15	131	122	117	64	34	42	156	1150	1930	311	99	120
16	128	114	100	64	34	42	153	1300	2300	270	97	120
17	125	103	38	64	42	43	150	1580	2230	245	95	117
18	131	100	86	64	42	42	150	1680	2230	218	95	117
19	128	103	92	67	40	42	144	1710	2230	178	99	117
20	128	119	92	67	40	42	144	1730	2230	178	102	112
21	137	166	97	67	40	43	150	1760	2230	169	97	108
22	137	184	95	67	42	45	170	1780	2090	159	97	104
23	131	177	97	58	42	56	235	1810	1770	150	95	99
24	131	163	117	58	42	60	318	1950	1590	140	95	99
25	131	156	117	58	42	58	399	2230	1480	131	92	102
26	137	156	122	48	42	56	466	2440	1340	126	87	99
27	144	150	128	55	42	54	547	2230	1340	117	90	97
28	140	147	128	55	42	54	629	1880	1210	109	90	99
29	131	144	119	55	---	54	669	1650	1110	107	95	104
30	140	147	122	55	---	54	669	1640	1020	103	97	107
31	137	---	122	55	---	56	---	1680	---	99	102	---
TOTAL	4582	3838	3510	2270	1286	1349	7336	43067	55530	10740	3170	3594
MEAN	148	128	113	73.2	45.9	43.5	245	1389	1851	346	102	120
MAX	184	184	160	128	60	60	669	2440	2370	973	129	140
MIN	125	100	36	48	34	30	67	606	1020	99	87	97
AC-FT	9090	7610	6960	4500	2550	2680	14550	85420	110100	21300	6290	7130

WTR YR 1922 TOTAL 140272 MEAN 384 MAX 2440 MIN 30 AC-FT 278200

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1920 TO SEPTEMBER 1921
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	99	105	84	72	86	134	701	1990	---	127	84
2	48	97	105	84	72	90	128	781	1890	---	139	86
3	48	99	107	90	72	96	175	886	1890	---	142	94
4	47	97	107	88	72	104	288	955	1990	---	136	114
5	47	97	104	87	72	115	294	1060	2190	---	120	130
6	47	97	94	86	72	121	317	1100	2390	---	117	142
7	51	104	99	77	72	119	304	1100	2590	---	112	142
8	51	97	104	65	72	117	297	1140	2590	584	110	144
9	49	91	105	65	72	114	272	1220	2840	577	102	144
10	54	90	108	65	72	112	266	1300	3000	545	98	147
11	55	81	110	65	83	114	291	1340	2940	519	98	147
12	56	81	97	65	88	115	330	1340	3050	482	100	150
13	56	84	86	65	93	124	434	1340	3160	427	98	156
14	54	99	86	65	96	136	525	1430	3100	392	98	160
15	57	105	86	65	93	134	501	1560	3050	364	98	153
16	56	108	86	73	93	136	478	1700	3160	346	98	167
17	56	121	79	73	88	150	451	1800	---	308	98	174
18	55	123	81	73	79	152	460	1750	---	277	98	174
19	55	130	91	73	68	146	492	1660	---	263	96	192
20	55	128	96	73	68	132	530	1560	---	239	96	226
21	55	110	97	73	76	123	549	1610	---	217	94	213
22	55	102	99	73	86	128	585	1660	---	192	90	209
23	55	100	90	73	87	150	666	1560	---	167	90	200
24	55	97	86	73	87	180	644	1520	---	156	90	192
25	55	96	85	73	88	168	601	1660	---	153	88	192
26	55	102	85	73	90	144	580	1800	---	156	88	185
27	55	114	85	73	90	126	564	1990	---	147	90	185
28	86	99	85	73	88	123	575	2040	---	139	90	185
29	97	104	85	75	---	134	616	2140	---	130	88	185
30	100	107	85	79	---	144	672	2040	---	124	86	188
31	99	---	86	76	---	136	---	1990	---	117	84	---
TOTAL	1812	3059	2904	2295	2261	3969	13019	45733	---	---	3159	4860
MEAN	58.5	102	93.7	74.0	80.7	128	434	1475	---	---	102	162
MAX	100	130	110	90	96	180	672	2140	---	---	142	226
MIN	47	81	79	65	68	86	128	701	---	---	84	84
AC-FT	3590	6070	5760	4550	4480	7870	25820	90710	---	---	6270	9640

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1919 TO SEPTEMBER 1920
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	---	---	---	---	---	---	310	240	214	60	53
2	41	---	---	---	---	---	---	295	201	186	57	53
3	40	---	---	---	---	---	---	289	157	172	54	51
4	38	---	---	---	---	---	---	292	133	301	54	49
5	36	---	---	---	---	---	---	304	440	301	54	53
6	36	---	---	---	---	---	26	320	440	188	54	53
7	36	---	---	---	---	---	26	357	440	122	54	51
8	36	---	---	---	---	---	26	410	440	93	54	53
9	36	---	---	---	---	---	27	485	440	90	53	56
10	36	---	---	---	---	---	38	530	440	82	50	57
11	37	---	---	---	---	---	33	530	330	76	51	53
12	38	---	---	---	---	---	33	530	295	70	54	51
13	39	---	---	---	---	---	33	530	292	69	56	51
14	40	---	---	---	---	---	33	600	379	68	54	53
15	40	---	---	---	---	---	33	653	444	68	53	50
16	40	---	---	---	---	---	33	710	461	67	53	50
17	41	---	---	---	---	---	33	772	418	66	51	49
18	41	---	---	---	---	---	28	758	336	64	50	49
19	42	---	---	---	---	---	28	659	298	63	50	47
20	44	---	---	---	---	---	27	600	301	62	50	46
21	45	---	---	---	---	---	26	519	330	62	47	44
22	45	---	---	---	---	---	25	490	350	68	47	46
23	48	---	---	---	---	---	25	485	394	69	46	51
24	51	---	---	---	---	---	25	402	310	63	44	57
25	53	---	---	---	---	---	30	317	240	60	49	54
26	58	---	---	---	---	---	36	258	190	60	53	51
27	61	---	---	---	---	---	42	228	153	64	53	51
28	61	---	---	---	---	---	---	247	130	65	53	51
29	64	---	---	---	---	---	---	286	128	68	53	51
30	62	---	---	---	---	---	---	310	235	66	53	51
31	62	---	---	---	---	---	---	292	---	63	51	---
TOTAL	1388	---	---	---	---	---	---	13768	9385	3130	1615	1535
MEAN	44.8	---	---	---	---	---	---	444	313	101	52.1	51.2
MAX	64	---	---	---	---	---	---	772	461	301	60	57
MIN	36	---	---	---	---	---	---	228	128	60	44	44
AC-FT	2750	---	---	---	---	---	---	27310	18620	6210	3200	3040

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 323.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1918 TO SEPTEMBER 1919
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	999	654	71	40	33
2	---	---	---	---	---	---	---	992	515	66	38	33
3	---	---	---	---	---	---	---	919	409	62	37	33
4	---	---	---	---	---	---	---	840	330	59	36	33
5	---	---	---	---	---	---	---	760	257	56	35	34
6	---	---	---	---	---	---	---	680	241	53	35	34
7	---	---	---	---	---	---	---	654	226	50	34	34
8	---	---	---	---	---	---	---	627	210	48	34	34
9	---	---	---	---	---	---	---	600	194	45	33	34
10	---	---	---	---	---	---	---	566	179	46	32	34
11	---	---	---	---	---	---	---	561	141	47	32	34
12	---	---	---	---	---	---	---	535	128	48	34	34
13	---	---	---	---	---	---	---	506	114	46	36	34
14	---	---	---	---	---	---	---	458	100	44	36	34
15	---	---	---	---	---	---	---	434	90	42	35	34
16	---	---	---	---	---	---	---	492	80	39	34	34
17	---	---	---	---	---	---	---	430	76	39	34	34
18	---	---	---	---	---	---	---	382	72	38	33	35
19	---	---	---	---	---	---	---	382	68	38	32	35
20	---	---	---	---	---	---	---	438	65	37	32	35
21	---	---	---	---	---	---	---	506	79	37	32	36
22	---	---	---	---	---	---	420	693	93	36	32	36
23	---	---	---	---	---	---	479	969	107	36	32	36
24	---	---	---	---	---	---	617	1100	105	36	32	36
25	---	---	---	---	---	---	834	1010	100	37	32	35
26	---	---	---	---	---	---	890	955	96	38	32	35
27	---	---	---	---	---	---	848	1020	91	38	33	34
28	---	---	---	---	---	---	876	1050	86	39	33	34
29	---	---	---	---	---	---	948	1250	81	40	33	34
30	---	---	---	---	---	---	999	1180	76	41	33	35
31	---	---	---	---	---	---	---	855	---	41	33	---
TOTAL	---	---	---	---	---	---	---	22843	5063	1393	1049	1030
MEAN	---	---	---	---	---	---	---	737	169	44.9	33.8	34.3
MAX	---	---	---	---	---	---	---	1250	654	71	40	36
MIN	---	---	---	---	---	---	---	382	65	36	32	33
AC-FT	---	---	---	---	---	---	---	45310	10040	2760	2080	2040

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1917 TO SEPTEMBER 1918
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	133	---	110	87	144	332	635	245	348	90	55
2	120	---	---	110	102	145	315	749	263	297	95	54
3	120	---	---	110	118	146	318	831	263	250	99	55
4	120	---	---	110	126	130	321	1030	365	208	103	55
5	120	---	---	110	133	113	304	1140	452	191	100	55
6	117	---	---	110	136	114	286	1140	584	161	96	54
7	115	---	---	110	140	115	286	1010	769	153	95	54
8	106	---	---	110	131	116	286	1010	837	147	93	56
9	103	---	---	110	122	118	301	940	1100	147	92	61
10	105	---	---	118	120	120	387	940	1330	147	86	60
11	103	---	---	127	118	122	387	693	1480	153	81	58
12	103	---	---	136	116	118	387	654	1520	147	79	57
13	106	---	---	136	113	115	396	642	2540	139	74	58
14	108	---	---	136	114	116	406	673	2460	139	74	63
15	108	---	---	137	115	118	396	686	2380	135	75	71
16	110	---	---	138	116	119	387	667	2180	161	74	72
17	115	---	---	137	118	120	383	594	1980	168	71	71
18	115	---	---	136	126	124	362	556	1940	166	72	72
19	112	---	---	127	133	155	355	511	1900	175	72	84
20	113	---	---	118	134	196	362	466	962	172	72	95
21	115	---	---	116	136	238	365	434	1820	161	71	96
22	118	---	---	115	138	216	410	402	1840	147	68	97
23	120	---	---	116	140	195	522	395	1860	137	68	102
24	123	---	---	118	141	216	635	395	1080	128	66	100
25	125	---	---	116	142	236	591	376	1780	124	65	102
26	127	---	---	115	141	285	547	358	1620	106	64	102
27	127	---	---	116	140	334	521	364	1460	99	62	103
28	125	---	---	118	142	338	492	369	515	92	62	103
29	122	---	---	110	---	341	511	312	462	88	61	105
30	127	---	---	102	---	344	567	254	392	84	58	105
31	133	---	---	94	---	348	---	242	---	84	56	---
TOTAL	3601	---	---	3672	3538	5655	12118	19468	38429	4854	2394	2275
MEAN	116	---	---	118	126	182	404	628	1281	157	77.2	75.8
MAX	133	---	---	138	142	348	635	1140	2540	348	103	105
MIN	103	---	---	94	87	113	286	242	245	84	56	54
AC-FT	7140	---	---	7280	7020	11220	24040	38610	76220	9630	4750	4510

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1916 TO SEPTEMBER 1917
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	131	---	---	---	---	165	562	1830	1680	210	84
2	117	128	---	---	---	---	165	578	1830	1560	177	82
3	124	128	---	---	---	---	167	606	1790	1560	142	80
4	124	128	---	---	---	---	171	666	1680	1600	149	78
5	122	128	---	---	---	---	173	672	1600	1640	139	81
6	117	128	---	---	---	---	175	710	1560	1500	129	81
7	133	128	---	---	---	---	181	810	1710	1400	103	81
8	158	124	---	---	---	---	185	958	1910	1200	105	80
9	156	124	---	---	---	---	189	1070	2190	1200	106	78
10	156	128	---	---	---	---	214	1140	2270	1200	102	81
11	169	126	---	---	---	---	231	1250	2110	1100	96	82
12	180	124	---	---	---	---	258	1400	1870	1100	94	82
13	169	122	---	---	---	---	281	1480	1600	1030	94	85
14	166	122	---	---	---	---	286	1750	1480	873	94	85
15	161	122	---	---	---	---	292	2190	1710	824	92	85
16	158	122	---	---	---	---	271	2350	2190	749	87	85
17	156	122	---	---	---	---	258	2030	2430	666	82	85
18	150	122	---	---	---	---	254	1710	2590	666	87	85
19	153	122	---	---	---	---	249	1520	2670	684	88	82
20	150	117	---	---	---	---	268	1480	2590	612	88	82
21	150	119	---	---	---	---	309	1480	2590	542	88	82
22	148	124	---	---	---	---	373	1520	2590	511	90	84
23	148	124	---	---	---	---	456	1680	2430	465	87	96
24	145	126	---	---	---	---	516	1830	2190	414	85	106
25	145	126	---	---	---	---	547	1830	2030	355	84	117
26	138	128	---	---	---	---	562	1790	1910	348	85	120
27	136	124	---	---	---	---	606	1790	1870	298	87	120
28	134	124	---	---	---	---	601	1870	1870	258	85	120
29	133	122	---	---	---	---	589	1950	1910	244	85	120
30	132	119	---	---	---	---	573	1990	1830	231	84	120
31	131	---	---	---	---	---	---	1910	---	216	82	---
TOTAL	4474	3732	---	---	---	---	9565	44572	60830	26726	3206	2729
MEAN	144	124	---	---	---	---	319	1438	2028	862	103	91.0
MAX	180	131	---	---	---	---	606	2350	2670	1680	210	120
MIN	115	117	---	---	---	---	165	562	1480	216	82	78
AC-FT	8870	7400	---	---	---	---	18970	88410	120700	53010	6360	5410

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1915 TO SEPTEMBER 1916
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	85	95	60	62	65	297	1100	690	1250	194	109
2	92	82	97	60	60	65	339	1140	666	1370	177	103
3	91	81	99	62	54	67	381	1290	660	1400	172	101
4	92	81	100	62	52	70	403	1480	696	1210	169	105
5	95	81	100	62	51	71	429	1680	847	1140	166	109
6	96	82	100	64	51	74	447	1710	994	1140	161	115
7	96	82	101	64	50	78	470	1790	1030	1180	156	119
8	95	82	101	64	50	96	499	1710	1100	1250	158	122
9	95	82	101	64	50	99	528	1600	1250	1330	158	126
10	95	84	102	64	50	101	599	1440	1330	1290	158	133
11	92	82	104	65	50	107	729	1290	1370	1140	156	133
12	89	82	101	67	50	109	811	1100	1250	1070	150	131
13	86	79	101	66	50	110	770	994	1180	1030	145	131
14	88	79	104	65	50	109	776	861	1180	958	140	128
15	88	79	95	62	51	122	835	774	1250	854	138	131
16	89	79	87	62	50	126	859	703	1520	820	138	133
17	89	79	78	65	50	137	884	641	1750	854	133	128
18	86	79	76	67	49	156	827	623	1950	767	131	124
19	85	79	74	60	49	178	770	800	2230	678	135	126
20	84	79	72	58	49	205	713	834	2230	617	140	124
21	82	98	70	56	47	279	735	874	1830	573	143	117
22	82	99	71	54	46	272	741	881	1430	529	138	117
23	84	99	71	49	46	268	752	807	1290	485	131	117
24	84	99	71	51	47	255	805	794	994	440	126	113
25	84	99	71	51	49	255	915	800	1030	396	124	113
26	82	96	71	50	53	255	1080	761	1100	352	117	113
27	84	89	72	50	56	258	1180	709	1210	343	117	113
28	85	92	69	49	61	290	1400	672	1600	331	117	111
29	84	92	66	54	70	290	1290	653	1680	304	111	107
30	85	93	64	57	---	279	1180	635	1440	258	111	107
31	85	---	62	60	---	275	---	666	---	222	111	---
TOTAL	2735	2574	2646	1844	1503	5121	22444	31812	38827	25581	4421	3559
MEAN	88.2	85.8	85.4	59.5	51.8	165	748	1026	1294	825	143	119
MAX	96	99	104	67	70	290	1400	1790	2230	1400	194	133
MIN	82	79	62	49	46	65	297	623	660	222	111	101
AC-FT	5420	5110	5250	3660	2980	10160	44520	63100	77010	50740	8770	7060

WTR YR 1916 TOTAL 143067 MEAN 391 MAX 2230 MIN 46 AC-FT 283800

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1914 TO SEPTEMBER 1915
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	233	175	---	---	89	126	578	620	369	131	92
2	158	236	172	---	---	91	128	590	688	393	129	101
3	162	236	172	---	---	92	133	566	620	364	133	93
4	160	236	168	---	---	95	137	526	520	388	133	91
5	158	233	160	---	---	92	148	504	444	379	129	99
6	153	230	158	---	---	88	172	482	413	403	124	99
7	151	227	160	---	---	85	185	460	384	434	117	101
8	153	224	148	---	---	99	185	434	350	476	113	102
9	153	227	135	---	---	95	174	418	403	449	119	104
10	153	227	137	---	---	102	185	455	429	434	113	99
11	155	230	140	---	---	107	188	504	418	374	119	101
12	155	230	133	---	---	112	199	537	384	369	124	102
13	155	224	127	---	---	115	208	561	360	350	119	104
14	153	230	121	---	---	115	241	590	324	337	122	109
15	151	222	117	---	---	119	260	620	303	294	120	107
16	151	199	104	---	---	117	278	590	315	263	120	105
17	158	202	87	---	---	119	319	584	324	231	112	102
18	191	202	79	---	---	98	364	620	307	202	117	99
19	207	188	71	---	---	93	364	694	311	182	115	95
20	216	184	69	---	---	91	388	700	298	164	113	91
21	227	180	76	---	---	92	439	675	303	164	115	88
22	224	178	79	---	---	89	465	632	315	199	112	88
23	224	178	95	---	---	91	439	663	332	182	112	91
24	230	180	102	---	---	101	413	700	350	154	112	93
25	233	183	106	---	---	104	388	700	403	146	112	96
26	233	183	109	---	---	107	364	644	408	141	109	99
27	239	183	117	---	---	110	346	578	324	131	107	99
28	236	180	133	---	---	117	360	566	286	126	104	96
29	230	183	---	---	---	124	374	596	298	120	101	93
30	236	172	---	---	---	124	460	584	324	119	96	91
31	236	---	---	---	---	126	---	584	---	129	95	---
TOTAL	5803	6220	---	---	---	3199	8430	17935	11558	8466	3597	2930
MEAN	187	207	---	---	---	103	281	579	385	273	116	97.7
MAX	239	236	---	---	---	126	465	700	688	476	133	109
MIN	151	172	---	---	---	85	126	418	286	119	95	88
AC-FT	11510	12340	---	---	---	6350	16720	35570	22930	16790	7130	5810

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1913 TO SEPTEMBER 1914
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	138	---	---	---	---	---	---	---	762	146	71
2	122	135	---	---	---	---	---	---	---	706	144	71
3	122	138	---	---	---	---	---	---	---	628	143	71
4	122	140	---	---	---	---	---	---	---	694	142	69
5	143	148	---	---	---	---	---	---	---	761	111	69
6	174	150	---	---	---	---	---	---	---	706	106	69
7	161	150	---	---	---	---	---	---	---	654	102	71
8	153	150	---	---	---	---	---	---	---	602	99	71
9	153	150	---	---	---	---	---	---	---	628	95	69
10	148	148	---	---	---	---	---	1610	---	602	93	69
11	145	140	---	---	---	---	---	---	---	553	84	69
12	140	138	---	---	---	---	---	---	938	506	76	71
13	140	135	---	---	---	---	---	---	877	461	75	72
14	140	128	---	---	---	---	---	---	818	440	78	75
15	135	128	---	---	---	---	---	---	818	418	78	79
16	135	128	---	---	---	---	---	---	1130	380	68	87
17	133	128	---	---	---	---	---	---	1260	340	69	87
18	131	128	---	---	---	---	---	---	1400	302	71	89
19	131	---	---	---	---	---	---	---	1470	285	72	97
20	128	---	---	---	---	---	---	---	1470	252	71	135
21	124	---	---	---	---	---	---	---	1610	210	64	146
22	122	---	---	---	---	---	---	---	1300	183	69	146
23	126	---	---	---	---	---	---	---	1000	153	68	137
24	126	---	---	---	---	---	---	---	975	162	68	133
25	128	---	---	---	---	---	---	---	950	160	69	135
26	128	---	---	---	---	---	---	---	924	158	69	140
27	128	---	---	---	---	---	---	---	898	155	69	151
28	145	---	---	---	---	---	---	---	872	151	71	158
29	145	---	---	---	---	---	---	---	845	146	69	160
30	145	---	---	---	---	---	---	---	818	142	69	162
31	140	---	---	---	---	---	---	---	---	144	69	---
TOTAL	4235	---	---	---	---	---	---	---	---	12444	2677	3029
MEAN	137	---	---	---	---	---	---	---	---	401	86.4	101
MAX	174	---	---	---	---	---	---	---	---	762	146	162
MIN	122	---	---	---	---	---	---	---	---	142	64	69
AC-FT	8400	---	---	---	---	---	---	---	---	24680	5310	6010

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1912 TO SEPTEMBER 1913
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	138	---	---	---	---	---	604	1860	604	377	110
2	122	135	---	---	---	---	---	537	1820	604	331	110
3	122	138	---	---	---	---	---	502	1780	578	303	110
4	122	140	---	---	---	---	---	568	1690	578	281	110
5	143	148	---	---	---	---	---	658	1650	537	270	110
6	174	150	---	---	---	---	---	743	1570	552	277	110
7	161	150	---	---	---	---	---	924	1530	552	263	110
8	153	150	---	---	---	---	---	1020	1690	552	242	110
9	153	150	---	---	---	---	---	1160	1740	532	223	110
10	148	148	---	---	---	---	---	1260	1690	502	213	110
11	145	140	---	---	---	---	---	1260	1690	440	201	110
12	140	138	---	---	---	---	---	1160	1610	400	187	110
13	140	135	---	---	---	---	---	1050	1490	373	170	148
14	140	128	---	---	---	---	---	988	1450	343	153	146
15	135	128	---	---	---	---	---	988	1410	327	146	141
16	135	128	---	---	---	---	---	956	1300	311	141	139
17	133	128	---	---	---	---	---	924	1340	296	134	136
18	131	128	---	---	---	---	---	956	1300	263	130	136
19	131	---	---	---	---	---	---	988	1260	249	121	136
20	128	---	---	---	---	---	---	956	1230	239	108	136
21	124	---	---	---	---	---	---	924	1090	232	100	141
22	122	---	---	---	---	---	---	862	1020	232	89	141
23	126	---	---	---	---	---	---	956	924	235	82	143
24	126	---	---	---	---	---	---	1190	862	266	75	141
25	128	---	---	---	---	---	---	1450	832	578	70	134
26	128	---	---	---	---	---	---	1690	802	714	66	135
27	128	---	---	---	---	---	---	1940	802	631	65	135
28	145	---	---	---	---	---	---	2180	743	542	68	135
29	145	---	---	---	---	---	---	2090	658	498	68	135
30	145	---	---	---	---	---	631	2090	631	450	71	135
31	140	---	---	---	---	---	---	2000	---	408	75	---
TOTAL	4235	---	---	---	---	---	---	35574	39464	13618	5100	3813
MEAN	137	---	---	---	---	---	---	1148	1315	439	165	127
MAX	174	---	---	---	---	---	---	2180	1860	714	377	148
MIN	122	---	---	---	---	---	---	502	631	232	65	110
AC-FT	8400	---	---	---	---	---	---	70560	78280	27010	10120	7560

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 431940 LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1911 TO SEPTEMBER 1912
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	165	---	---	---	---	---	150	1020	740	161	88
2	167	165	---	---	---	---	---	144	1080	667	253	88
3	169	165	---	---	---	---	---	142	1160	534	243	88
4	167	165	---	---	---	---	---	140	1280	462	234	92
5	167	165	---	---	---	---	---	140	1310	437	218	98
6	167	165	---	---	---	---	---	147	1340	400	194	111
7	162	167	---	---	---	---	---	150	1370	384	180	122
8	162	174	---	---	---	---	---	157	1490	356	163	126
9	162	174	---	---	---	---	---	199	1550	315	156	133
10	174	174	---	---	---	---	---	286	1510	290	150	124
11	193	172	---	---	---	---	---	391	1440	273	140	124
12	190	160	---	---	---	---	---	460	1350	243	135	135
13	188	160	---	---	---	---	---	484	1470	230	126	135
14	181	162	---	---	---	---	---	527	1440	230	117	131
15	176	---	---	---	---	---	---	595	1280	224	111	131
16	174	---	---	---	---	---	---	660	1120	200	106	131
17	174	---	---	---	---	---	137	732	979	194	104	133
18	174	---	---	---	---	---	137	832	870	166	115	131
19	172	---	---	---	---	---	133	937	844	169	111	117
20	167	---	---	---	---	---	133	1110	870	163	106	117
21	168	---	---	---	---	---	147	1280	979	150	104	122
22	169	---	---	---	---	---	150	1080	952	148	102	124
23	170	---	---	---	---	---	---	992	952	140	96	126
24	172	---	---	---	---	---	---	858	979	138	92	119
25	172	---	---	---	---	---	---	832	952	133	90	119
26	172	---	---	---	---	---	---	964	1040	128	89	119
27	172	---	---	---	---	---	---	1020	1060	117	88	122
28	170	---	---	---	---	---	---	910	1010	109	86	122
29	168	---	---	---	---	---	---	884	924	108	86	119
30	166	---	---	---	---	---	---	937	844	106	84	119
31	165	---	---	---	---	---	---	992	---	117	86	---
TOTAL	5312	---	---	---	---	---	---	19132	34465	8071	4126	3566
MEAN	171	---	---	---	---	---	---	617	1149	260	133	119
MAX	193	---	---	---	---	---	---	1280	1550	740	253	135
MIN	162	---	---	---	---	---	---	140	844	106	84	88
AC-FT	10540	---	---	---	---	---	---	37950	68360	16010	8180	7070

STATION NUMBER 13141000 BIG WOOD RIVER NEAR BELLEVUE, IDAHO STREAM SOURCE AGENCY USGS
LATITUDE 43+940 • LONGITUDE 1142025 DRAINAGE AREA 823.00 DATUM 4820.00 STATE 16 COUNTY 013

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1910 TO SEPTEMBER 1911
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	352	116
2	---	---	---	---	---	---	---	---	---	---	338	116
3	---	---	---	---	---	---	---	---	---	---	298	111
4	---	---	---	---	---	---	---	---	---	---	280	105
5	---	---	---	---	---	---	---	---	---	---	252	105
6	---	---	---	---	---	---	---	---	---	1640	241	100
7	---	---	---	---	---	---	---	---	---	1750	232	97
8	---	---	---	---	---	---	---	---	---	1690	213	100
9	---	---	---	---	---	---	---	---	---	1540	206	107
10	---	---	---	---	---	---	---	---	---	1380	196	109
11	---	---	---	---	---	---	---	---	---	1300	176	113
12	---	---	---	---	---	---	---	---	---	1230	169	114
13	---	---	---	---	---	---	---	---	---	1210	162	118
14	---	---	---	---	---	---	---	---	---	1190	155	122
15	---	---	---	---	---	---	---	---	---	1170	149	126
16	---	---	---	---	---	---	---	---	---	1140	149	130
17	---	---	---	---	---	---	---	---	---	1100	149	136
18	---	---	---	---	---	---	---	---	---	1030	149	145
19	---	---	---	---	---	---	---	---	---	969	149	162
20	---	---	---	---	---	---	---	---	---	869	143	160
21	---	---	---	---	---	---	---	---	---	843	137	160
22	---	---	---	---	---	---	---	---	---	817	132	160
23	---	---	---	---	---	---	---	---	---	760	128	156
24	---	---	---	---	---	---	---	---	---	703	128	160
25	---	---	---	---	---	---	---	---	---	660	124	158
26	---	---	---	---	---	---	---	---	---	617	118	156
27	---	---	---	---	---	---	---	---	---	575	118	156
28	---	---	---	---	---	---	---	---	---	530	116	160
29	---	---	---	---	---	---	---	---	---	485	107	160
30	---	---	---	---	---	---	---	---	---	441	111	158
31	---	---	---	---	---	---	---	---	---	397	118	---
TOTAL	---	---	---	---	---	---	---	---	---	---	5495	3976
MEAN	---	---	---	---	---	---	---	---	---	---	177	133
MAX	---	---	---	---	---	---	---	---	---	---	352	162
MIN	---	---	---	---	---	---	---	---	---	---	107	97
AC-FT	---	---	---	---	---	---	---	---	---	---	10900	7890

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	5.8	10	8.9	11	213	108	69	43	---	---	---
2	3.4	6.8	14	8.7	9.7	203	103	64	43	---	---	---
3	3.5	e9.0	15	8.8	10	330	103	60	42	---	---	---
4	3.5	e8.8	15	8.9	11	549	124	58	37	---	---	---
5	3.6	e8.5	16	9.5	11	583	132	57	27	---	---	---
6	3.8	e9.0	17	10	11	513	151	53	25	---	---	---
7	3.8	e10	19	10	12	491	150	54	27	---	---	---
8	4.0	e9.0	18	10	12	296	148	57	24	---	---	---
9	3.8	e8.5	16	10	11	252	128	56	21	---	---	---
10	4.0	e8.0	28	11	14	244	112	54	17	---	---	---
11	4.3	e7.8	28	12	21	150	103	47	14	---	---	---
12	4.3	e8.0	24	9.7	55	122	97	39	11	---	---	---
13	4.1	e8.6	23	11	76	106	94	37	9.6	---	---	---
14	4.0	e8.2	19	12	47	99	92	38	7.8	---	---	---
15	3.8	e8.0	17	11	40	99	91	39	7.4	---	---	---
16	3.8	e8.0	17	10	28	87	92	38	5.1	---	---	---
17	3.8	7.6	16	11	25	88	90	36	4.3	---	---	---
18	4.0	6.6	14	9.2	23	87	89	42	4.4	---	---	---
19	4.0	7.1	15	9.9	19	91	96	40	4.9	---	---	---
20	4.2	7.3	13	10	29	99	103	36	---	---	---	---
21	4.6	7.5	15	10	49	113	125	34	---	---	---	---
22	4.6	8.6	15	10	69	118	149	31	---	---	---	---
23	4.1	7.9	13	10	66	121	140	34	---	---	---	---
24	3.5	7.7	11	10	58	128	117	37	---	---	---	---
25	3.6	7.8	12	10	59	136	106	36	---	---	---	---
26	4.0	7.6	11	10	67	158	100	39	---	---	---	---
27	4.3	7.3	11	11	77	138	92	40	---	---	---	---
28	4.7	7.8	10	11	94	122	86	38	---	---	---	---
29	4.9	7.5	11	11	195	116	76	35	---	---	---	---
30	5.1	7.5	11	12	---	138	72	33	---	---	---	---
31	5.5	---	10	10	---	122	---	40	---	---	---	---
TOTAL	125.9	237.8	484	316.6	1209.7	6112	3269	1371	---	---	---	---
MEAN	4.06	7.93	15.6	10.2	41.7	197	109	44.2	---	---	---	---
MAX	5.5	10	28	12	195	583	151	69	---	---	---	---
MIN	3.3	5.8	10	8.7	9.7	87	72	31	---	---	---	---
AC-FT	250	472	960	628	2400	12120	6480	2720	---	---	---	---

CAL YR 1987 TOTAL 14931.3 MEAN 40.9 MAX 862 MIN 2.8 AC-FT 29620

e Estimated

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025
PROVISIONAL DATA SUBJECT TO REVISION

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	27	e27	20	25	e31	88	46	33	4.6	3.6	2.8
2	24	27	26	20	25	31	89	59	28	5.0	3.6	2.8
3	20	27	26	21	25	33	91	64	24	5.0	3.5	2.8
4	19	27	26	21	25	43	86	54	17	5.0	3.4	2.8
5	20	27	31	e19	26	81	86	46	16	4.8	3.3	2.8
6	19	27	32	e18	28	333	97	42	14	4.6	3.2	4.0
7	19	27	31	17	29	405	97	38	14	4.3	3.2	3.8
8	20	24	e28	e18	28	510	91	31	14	4.2	3.2	3.5
9	20	23	26	e19	29	669	85	28	12	4.2	3.0	3.3
10	20	22	26	e20	29	862	81	24	9.5	4.1	3.0	3.2
11	20	26	24	21	29	836	80	24	8.4	4.2	3.0	3.2
12	20	29	25	22	30	686	77	23	7.4	4.0	2.9	3.2
13	19	29	24	23	38	536	73	23	7.9	3.8	2.9	3.1
14	18	33	26	21	45	490	69	22	7.2	3.8	3.0	3.0
15	21	33	25	e21	42	406	66	20	6.3	3.8	3.0	3.0
16	22	32	26	21	42	365	63	23	5.8	3.5	3.0	3.2
17	21	33	23	22	38	359	62	32	5.4	3.7	2.8	3.3
18	25	32	23	23	39	333	61	42	5.0	4.0	2.8	3.3
19	25	35	24	23	35	274	59	50	4.5	3.8	2.8	3.3
20	24	36	24	22	e33	212	56	47	4.0	3.8	2.8	3.3
21	23	40	22	22	e32	180	52	39	4.8	5.6	2.8	3.3
22	23	34	25	21	33	162	45	33	4.9	4.3	2.9	3.3
23	23	28	23	23	32	145	45	30	5.3	5.2	2.9	3.4
24	23	34	22	24	e32	136	42	28	5.0	5.6	2.8	3.5
25	25	35	21	24	32	126	38	29	5.0	4.9	2.8	3.5
26	24	35	22	24	32	116	35	33	5.2	4.4	2.8	3.6
27	24	34	20	24	30	107	32	37	5.2	5.3	2.8	3.5
28	24	32	19	25	31	97	33	43	4.2	4.9	2.8	3.5
29	27	e30	19	23	---	85	34	48	4.3	4.7	2.8	3.5
30	29	e29	20	24	---	78	36	44	4.5	4.3	2.8	3.5
31	27	---	17	24	---	82	---	39	---	4.1	2.8	---
TOTAL	693	907	753	670	894	8809	1949	1141	291.8	137.5	93.0	98.3
MEAN	22.4	30.2	24.3	21.6	31.9	284	65.0	36.8	9.73	4.44	3.00	3.28
MAX	29	40	32	25	45	862	97	64	33	5.6	3.6	4.0
MIN	18	22	17	17	25	31	32	20	4.0	3.5	2.8	2.8
AC-FT	1370	1800	1490	1330	1770	17470	3870	2260	579	273	184	195

CAL YR 1986 TOTAL 120285.3 MEAN 330 MAX 2430 MIN 7.4 AC-FT 238600
WTR YR 1987 TOTAL 16436.6 MEAN 45.0 MAX 862 MIN 2.8 AC-FT 32600

e Estimated

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	24	23	29	51	2120	1650	576	467	57	10	9.8
2	12	23	23	28	52	1890	1460	564	461	48	11	9.7
3	12	23	23	29	51	1810	1460	577	455	43	10	9.6
4	12	23	22	28	48	1750	1220	590	439	40	10	9.1
5	12	23	23	28	47	1730	1120	601	420	39	10	8.9
6	12	23	23	29	42	1750	1090	594	425	37	9.9	8.6
7	15	24	25	28	43	1770	1120	572	394	32	10	9.1
8	15	24	25	27	39	1780	1130	552	368	29	9.5	9.9
9	15	23	24	28	38	2270	1160	524	362	30	9.1	10
10	15	21	21	28	41	2430	1190	520	314	30	8.9	11
11	15	21	19	27	45	2380	1150	532	271	29	9.2	11
12	15	22	18	26	55	2130	1150	497	241	27	8.2	9.5
13	16	22	17	27	55	1940	1150	465	224	26	7.8	9.1
14	16	22	19	27	55	1700	1060	442	203	24	7.5	8.9
15	16	21	21	28	65	1480	953	425	200	22	7.4	9.7
16	17	21	23	29	84	1330	865	409	180	20	7.6	11
17	17	20	25	31	115	1260	860	395	163	19	8.2	12
18	17	20	25	32	164	1210	792	394	155	16	8.3	12
19	18	18	25	33	450	1180	729	400	142	15	8.1	12
20	18	18	25	33	400	1360	703	412	131	13	9.0	14
21	18	18	25	29	351	1620	704	441	118	11	9.7	13
22	19	17	26	27	298	1830	751	459	108	10	11	13
23	27	17	26	27	347	2000	789	456	102	11	9.7	12
24	33	18	26	27	681	2100	807	404	93	11	9.8	12
25	44	19	27	26	951	1900	766	382	88	12	9.3	14
26	38	20	27	29	1010	1780	721	386	78	13	8.9	15
27	32	21	26	34	1310	1730	678	408	75	13	8.6	18
28	30	21	26	36	1930	1870	650	439	71	13	8.3	20
29	27	22	26	38	---	2030	630	463	65	11	8.4	19
30	26	22	27	41	---	2030	608	474	62	11	9.4	26
31	24	---	28	46	---	1840	---	464	---	10	9.6	---
TOTAL	614	631	739	935	8818	56000	29116	14817	6875	722	282.4	366.9
MEAN	19.8	21.0	23.8	30.2	315	1806	971	478	229	23.3	9.11	12.2
MAX	44	24	28	46	1930	2430	1650	601	467	57	11	26
MIN	11	17	17	26	38	1180	608	382	62	10	7.4	8.6
AC-FT	1220	1250	1470	1850	17490	111100	57750	29390	13640	1430	560	728

CAL YR 1985 TOTAL 50922.5 MEAN 140 MAX 4000 MIN 3.7 AC-FT 101000
WTR YR 1986 TOTAL 119916.3 MEAN 329 MAX 2430 MIN 7.4 AC-FT 237900

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	29	35	34	32	44	77	362	150	12	13	4.7
2	24	33	32	34	33	44	100	352	140	12	7.6	5.6
3	25	42	34	35	33	39	138	363	133	11	6.4	6.4
4	25	44	33	35	32	38	198	374	124	8.8	5.6	5.9
5	24	44	32	36	32	42	304	377	109	8.0	4.9	6.0
6	24	42	33	37	33	42	536	357	96	7.8	4.4	5.9
7	22	43	34	37	34	37	809	332	93	7.9	4.9	9.0
8	22	44	35	37	36	41	1060	318	89	8.1	5.0	11
9	23	46	36	38	36	38	1910	322	80	7.3	4.8	14
10	24	51	39	38	37	41	3130	315	72	5.9	4.8	16
11	25	50	40	37	39	41	3430	293	64	5.0	4.6	14
12	28	57	40	33	39	42	4000	279	59	5.0	4.6	12
13	31	64	37	32	39	41	3430	257	45	5.0	4.7	11
14	32	78	36	34	39	42	2560	237	33	5.3	4.8	11
15	32	80	40	35	40	43	1920	240	31	5.1	4.8	11
16	32	81	42	33	40	45	1690	273	30	4.7	4.8	10
17	32	72	37	34	39	47	1430	275	27	4.1	4.8	10
18	32	61	36	35	38	49	1110	246	26	4.1	4.6	12
19	31	58	34	37	42	53	953	233	23	4.2	4.4	12
20	31	60	36	39	42	57	846	234	21	3.9	4.4	14
21	31	67	38	39	40	59	714	240	17	4.0	4.4	14
22	30	64	40	40	41	58	679	234	17	3.9	4.6	13
23	30	62	41	38	40	65	611	217	17	3.7	4.6	12
24	29	65	41	36	41	69	550	201	16	4.0	4.6	12
25	30	49	35	36	42	75	510	190	16	4.6	4.6	12
26	32	44	37	36	39	67	469	190	17	4.6	4.6	12
27	33	42	39	36	39	47	431	188	15	4.5	4.6	12
28	32	45	40	37	40	74	404	187	16	4.2	4.4	12
29	32	39	37	39	---	62	364	180	14	3.7	4.4	11
30	32	39	39	36	---	63	362	171	13	4.8	4.5	11
31	30	---	39	31	---	67	---	160	---	13	4.6	---
TOTAL	880	1595	1147	1114	1057	1572	34725	8197	1603	190.2	157.8	322.5
MEAN	28.4	53.2	37.0	35.9	37.7	50.7	1157	264	53.4	6.14	5.09	10.7
MAX	33	81	42	40	42	75	4000	377	150	13	13	16
MIN	20	29	32	31	32	37	77	160	13	3.7	4.4	4.7
AC-FT	1750	3160	2280	2210	2100	3120	68880	16260	3180	377	313	640

CAL YR 1984 TOTAL 127628 MEAN 349 MAX 4600 MIN 11 AC-FT 253200
WTR YR 1985 TOTAL 52560.5 MEAN 144 MAX 4000 MIN 3.7 AC-FT 104300

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	51	52	53	92	92	508	1030	671	204	51	14
2	34	62	58	53	92	94	626	1170	622	183	41	14
3	37	64	57	60	92	92	764	1280	572	160	38	13
4	36	60	53	60	92	92	953	1220	488	142	35	13
5	34	62	48	60	92	90	1400	1230	564	130	30	13
6	33	60	51	59	94	96	2210	1200	560	117	29	13
7	33	69	54	58	82	102	2450	1080	568	108	26	14
8	32	78	55	60	78	103	3190	984	520	94	23	14
9	37	69	57	64	79	105	2820	936	484	86	21	14
10	44	67	59	62	84	105	2900	962	464	83	19	14
11	51	84	63	63	84	107	2540	1000	472	79	18	15
12	39	102	66	63	86	110	2340	1070	464	72	17	16
13	36	122	66	62	87	117	2240	1180	452	66	17	15
14	37	115	66	57	89	132	2390	1300	432	59	17	14
15	37	111	64	50	87	140	3000	1460	417	54	16	14
16	37	102	53	45	92	142	4080	1530	424	45	16	14
17	37	117	60	42	87	142	4600	1310	420	39	18	14
18	36	126	62	39	82	134	4300	1200	409	37	17	16
19	36	120	55	45	79	130	3100	1090	389	35	17	14
20	36	113	44	55	82	152	2500	1040	386	34	16	13
21	36	86	34	66	92	174	1900	1010	397	32	15	14
22	43	84	32	76	94	183	2000	980	370	32	14	16
23	48	83	32	78	89	198	2100	922	343	45	14	18
24	48	83	35	81	82	257	2050	858	321	59	16	20
25	47	67	39	86	89	278	2050	815	300	81	17	21
26	44	66	44	86	89	286	1650	772	293	67	16	20
27	47	69	47	87	82	296	1460	730	275	54	14	20
28	45	67	50	90	86	328	1260	705	254	50	14	19
29	47	66	52	92	90	366	1130	680	243	53	13	19
30	45	55	55	90	---	405	1050	638	224	60	11	20
31	47	---	55	90	---	468	---	667	---	58	13	---
TOTAL	1230	2480	1618	2032	2525	5516	65561	32049	12798	2418	639	468
MEAN	39.7	82.7	52.2	65.5	87.1	178	2185	1034	427	78.0	20.6	15.6
MAX	51	126	66	92	94	468	4600	1530	671	204	51	21
MIN	31	51	32	39	78	90	508	638	224	32	11	13
AC-FT	2440	4920	3210	4030	5010	10940	130000	63570	25380	4800	1270	928

CAL YR 1983 TOTAL 166524 MEAN 456 MAX 4000 MIN 13 AC-FT 330300
WTR YR 1984 TOTAL 129334 MEAN 353 MAX 4600 MIN 11 AC-FT 256500

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	53	36	24	38	68	1500	2220	1140	306	33	25
2	11	47	34	28	35	103	1400	2200	1080	332	30	22
3	11	39	32	33	35	135	1250	2170	1010	348	30	21
4	11	36	34	35	38	215	1100	2070	956	335	30	20
5	11	34	34	35	39	261	1000	2300	936	309	28	19
6	11	36	37	37	41	264	850	2690	880	277	25	19
7	11	33	34	38	43	280	760	2660	848	257	24	17
8	10	33	26	39	47	319	730	2370	804	248	27	17
9	11	32	28	38	46	372	760	1980	804	236	23	16
10	11	34	28	38	46	436	800	1720	788	233	25	15
11	12	32	25	37	45	579	900	1470	788	224	28	16
12	12	31	25	36	44	656	1400	1310	732	212	29	15
13	13	31	28	35	45	751	1880	1180	648	201	26	15
14	13	28	30	34	45	1100	1830	1110	616	187	23	14
15	14	27	33	35	46	1300	1950	1050	563	184	22	14
16	13	27	32	36	46	1400	2200	1010	525	165	24	14
17	14	31	34	38	46	1330	2630	964	492	154	23	13
18	15	45	32	40	46	1200	3110	940	474	128	21	13
19	16	51	34	42	46	1100	3350	1010	463	101	21	13
20	17	43	34	43	46	1000	3590	1040	449	88	24	14
21	18	47	34	42	46	1000	3470	1130	429	72	23	15
22	19	40	39	42	47	1100	3330	1220	396	71	32	15
23	23	29	33	41	50	1200	3160	1280	372	62	36	15
24	26	26	29	41	52	930	3490	1330	358	63	38	15
25	29	26	27	41	54	838	4000	1350	358	56	36	14
26	38	25	32	41	58	799	3310	1430	348	51	34	14
27	40	26	31	42	63	822	2500	1470	341	47	32	15
28	38	31	29	44	65	784	2030	1440	361	44	30	15
29	38	32	29	43	---	767	1910	1410	351	39	28	17
30	43	34	29	37	---	893	2010	1340	332	38	27	28
31	53	---	26	40	---	1300	---	1260	---	34	26	---
TOTAL	613	1039	968	1175	1298	23302	62200	48124	18642	5102	858	495
MEAN	19.8	34.6	31.2	37.9	46.4	752	2073	1552	621	165	27.7	16.5
MAX	53	53	39	44	65	1400	4000	2690	1140	348	38	28
MIN	10	25	25	24	35	68	730	940	332	34	21	13
AC-FT	1220	2060	1920	2330	2570	46220	123400	95450	36980	10120	1700	982

CAL YR 1982 TOTAL 120800.0 MEAN 331 MAX 3600 MIN 4.4 AC-FT 239600
WTR YR 1983 TOTAL 163816 MEAN 449 MAX 4000 MIN 10 AC-FT 324900

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	6.9	13	27	18	122	543	1810	490	238	10	13
2	2.2	6.9	13	24	18	139	451	1780	525	222	9.3	13
3	2.2	6.7	12	23	19	154	494	1930	521	203	7.3	12
4	2.2	6.7	13	24	17	171	493	1910	463	194	6.6	11
5	2.2	6.9	15	24	19	162	447	1660	448	206	7.0	11
6	2.5	7.2	15	20	19	151	514	1430	441	183	6.0	13
7	2.8	6.7	15	20	18	147	511	1280	423	161	5.7	13
8	3.0	6.7	17	20	18	146	542	1160	416	151	4.4	13
9	2.9	6.5	18	22	18	154	556	1090	391	138	4.4	13
10	3.2	6.9	18	22	18	175	622	993	379	114	4.4	12
11	3.4	6.9	18	21	18	227	1070	967	375	97	4.7	12
12	3.5	7.2	16	21	17	248	1900	932	375	92	5.7	11
13	3.8	12	18	21	18	277	2630	882	371	89	6.6	12
14	3.9	14	17	21	19	284	3290	847	387	79	6.6	13
15	4.5	13	18	21	22	268	3510	818	387	72	6.0	15
16	4.5	14	17	21	34	250	3360	828	375	67	6.0	14
17	4.7	15	17	21	41	241	3500	854	359	60	5.4	13
18	4.9	14	16	20	37	225	3560	890	379	49	5.2	13
19	5.4	12	23	21	36	195	2970	940	363	44	5.4	13
20	5.3	18	65	17	36	160	2640	920	359	37	5.4	14
21	5.3	17	59	21	46	172	2710	857	311	27	5.7	13
22	5.6	24	52	19	67	188	3030	820	311	23	6.3	13
23	6.0	23	41	20	73	184	3390	798	304	19	6.3	12
24	6.2	26	47	20	75	198	3600	810	294	17	6.0	12
25	5.9	18	44	20	104	233	3530	766	276	14	6.3	12
26	5.9	15	37	22	113	302	3140	738	273	12	7.3	13
27	6.5	17	34	20	129	416	2780	769	248	9.7	9.0	13
28	6.1	13	32	19	123	509	2450	713	231	13	11	13
29	6.7	10	32	18	---	567	2160	641	222	12	12	13
30	6.9	14	32	18	---	585	2030	570	222	11	13	14
31	6.9	---	27	22	---	573	---	509	---	9.3	13	---
TOTAL	137.3	371.2	811	650	1190	7823	62423	31912	10919	2663.0	218.0	382
MEAN	4.43	12.4	26.2	21.0	42.5	252	2081	1029	364	85.9	7.03	12.7
MAX	6.9	26	65	27	129	585	3600	1930	525	238	13	15
MIN	2.2	6.5	12	17	17	122	447	509	222	9.3	4.4	11
AC-FT	272	736	1610	1290	2360	15520	123800	63300	21660	5280	432	758

CAL YR 1981 TOTAL 21368.1 MEAN 58.5 MAX 311 MIN 1.5 AC-FT 42380
WTR YR 1982 TOTAL 119499.5 MEAN 327 MAX 3600 MIN 2.2 AC-FT 237000

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	12	20	42	23	90	233	220	153	9.7	1.9	2.2
2	4.8	12	20	39	21	93	235	228	148	8.3	1.8	2.2
3	4.4	11	23	39	23	97	246	231	143	7.0	1.8	2.2
4	4.4	11	28	36	23	103	197	218	129	5.7	2.0	2.2
5	4.4	12	25	36	25	112	173	193	118	5.2	2.3	2.3
6	5.7	11	30	35	26	106	165	170	112	4.0	2.3	2.2
7	6.7	13	25	29	25	110	147	154	110	3.3	2.2	2.2
8	6.0	13	20	29	24	123	131	133	108	3.3	2.2	2.2
9	6.4	12	22	30	26	141	122	117	120	3.1	2.2	2.2
10	6.4	13	19	25	23	153	118	104	127	2.8	2.2	2.2
11	7.9	14	20	23	22	153	118	95	106	2.8	2.2	2.2
12	10	16	19	23	25	156	109	89	89	2.4	2.2	2.0
13	13	16	19	21	27	183	104	82	81	2.6	2.2	2.0
14	13	15	18	20	37	167	100	70	71	2.3	2.2	2.0
15	13	20	19	19	39	169	95	71	66	2.3	2.2	2.0
16	14	18	20	19	39	181	93	77	59	2.4	2.3	2.0
17	14	15	20	22	97	186	96	74	53	2.3	2.2	2.0
18	14	15	20	23	136	213	100	68	46	2.3	2.0	2.0
19	14	14	21	23	112	287	127	71	41	2.3	2.2	2.0
20	13	13	21	24	116	302	202	87	39	2.3	2.2	2.0
21	13	15	23	23	90	235	260	120	32	2.3	2.0	2.0
22	13	20	25	25	74	245	250	134	29	2.3	2.0	2.0
23	13	19	27	24	69	235	229	125	23	2.2	2.0	2.0
24	12	19	26	25	108	213	226	122	18	2.4	2.0	2.0
25	12	15	29	24	121	198	226	129	17	2.3	2.0	2.0
26	14	14	32	23	103	207	229	164	14	2.4	2.2	2.0
27	14	17	34	26	79	270	238	189	14	2.3	2.3	2.0
28	13	16	36	28	82	311	233	192	13	2.0	2.2	2.2
29	14	16	39	27	---	276	221	175	12	2.0	2.2	2.3
30	14	20	44	27	---	260	219	164	10	1.9	2.2	1.5
31	13	---	43	25	---	229	---	158	---	1.9	2.0	---
TOTAL	325.2	447	787	834	1615	5804	5242	4224	2101	100.4	65.9	62.3
MEAN	10.5	14.9	25.4	26.9	57.7	187	175	136	70.0	3.24	2.13	2.08
MAX	14	20	44	42	136	311	260	231	153	9.7	2.3	2.3
MIN	4.4	11	18	19	21	90	93	68	10	1.9	1.8	1.5
AC-FT	645	887	1560	1650	3200	11510	10400	8380	4170	199	131	124

CAL YR 1980 TOTAL 52664.2 MEAN 144 MAX 1030 MIN 2.4 AC-FT 104500
WTR YR 1981 TOTAL 21607.8 MEAN 59.2 MAX 311 MIN 1.5 AC-FT 42860

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

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LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	8.4	8.1	10	11	92	424	756	327	104	7.8	3.2
2	2.7	8.4	8.9	8.8	12	122	428	677	340	108	8.2	3.3
3	2.7	8.3	9.7	9.7	12	130	436	641	322	133	7.0	5.0
4	2.7	9.3	10	9.9	12	146	451	637	312	152	6.6	4.1
5	2.7	10	10	11	10	183	544	645	295	130	6.7	3.6
6	2.9	9.8	9.9	8.2	12	136	657	625	284	106	5.9	3.5
7	2.9	9.5	10	8.2	12	118	653	617	267	93	5.5	4.0
8	2.9	9.5	11	9.8	9.5	111	499	582	250	81	3.3	3.8
9	2.9	9.2	9.9	11	8.2	107	490	563	235	67	2.9	2.9
10	2.9	8.7	9.6	9.8	8.7	107	567	526	233	62	2.6	2.9
11	2.9	8.4	6.7	7.9	8.8	124	653	522	233	54	2.7	4.0
12	3.0	8.4	6.8	9.0	9.4	108	613	533	239	49	2.6	4.2
13	3.2	8.5	7.6	14	9.8	121	645	486	243	42	2.4	6.1
14	3.2	8.2	8.2	39	12	123	665	466	234	32	2.8	7.2
15	3.3	8.4	7.6	38	14	141	665	439	231	30	3.2	5.7
16	3.3	8.3	8.9	30	14	95	665	430	218	26	6.4	5.5
17	3.3	9.3	8.9	25	16	95	645	412	206	22	5.5	4.8
18	4.3	9.7	8.0	21	33	116	633	391	195	20	5.2	4.0
19	9.2	9.3	8.2	17	72	111	756	376	190	19	5.8	4.1
20	12	7.5	10	10	140	137	902	365	191	17	5.9	4.4
21	10	6.8	9.8	12	123	175	1000	366	194	15	5.6	5.4
22	11	7.3	9.6	12	96	191	1030	377	194	12	4.8	6.0
23	9.8	9.5	8.5	14	73	208	980	400	190	10	4.3	7.0
24	9.6	9.4	10	15	60	188	1020	419	182	8.3	3.6	7.7
25	9.0	9.2	10	14	57	191	1020	409	162	7.3	3.2	7.7
26	8.8	10	7.5	13	53	211	959	391	145	5.9	3.0	7.1
27	9.1	7.4	6.7	12	55	211	864	383	124	5.0	3.0	7.5
28	9.1	6.7	7.3	9.2	64	202	848	375	117	4.1	3.0	7.4
29	8.7	7.0	8.0	9.3	77	283	831	353	106	4.8	3.2	6.7
30	8.7	7.3	8.5	11	---	377	831	339	101	6.0	3.2	6.0
31	8.7	---	9.1	11	---	417	---	333	---	6.5	3.2	---
TOTAL	178.2	257.7	273.0	439.8	1094.4	5077	21374	14834	6560	1431.9	139.1	154.8
MEAN	5.75	8.59	8.81	14.2	37.7	164	712	479	219	46.2	4.49	5.16
MAX	12	10	11	39	140	417	1030	756	340	152	8.2	7.7
MIN	2.7	6.7	6.7	7.9	8.2	92	424	333	101	4.1	2.4	2.9
AC-FT	353	511	541	872	2170	10070	42400	29420	13010	2840	276	307

CAL YR 1979 TOTAL 20494.4 MEAN 56.1 MAX 730 MIN 2.3 AC-FT 40650
WTR YR 1980 TOTAL 51813.9 MEAN 142 MAX 1030 MIN 2.4 AC-FT 102800

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	10	17	10	12	27	324	159	57	3.4	2.6	2.6
2	7.1	10	15	9.8	12	25	277	154	47	3.2	2.6	2.6
3	8.1	10	12	9.8	12	23	249	149	38	3.1	2.6	2.6
4	7.8	10	18	10	12	25	224	147	32	2.9	2.5	2.6
5	7.8	10	21	11	12	26	224	147	20	2.8	2.5	2.5
6	8.1	9.8	15	12	13	28	236	147	13	2.8	2.5	2.5
7	8.1	9.8	14	11	13	35	236	154	13	3.1	2.5	2.5
8	8.1	10	12	12	13	43	239	143	14	3.1	2.5	2.5
9	7.1	10	14	12	14	44	258	140	13	3.8	2.5	2.5
10	6.7	10	14	12	14	54	277	140	10	3.4	2.3	2.5
11	6.7	9.8	14	12	14	57	280	134	8.0	3.5	2.3	2.5
12	6.4	10	14	13	15	65	255	121	7.8	3.2	2.3	2.5
13	6.7	9.8	13	13	19	96	236	115	5.8	3.1	3.1	2.5
14	6.7	9.8	12	12	30	140	212	112	5.5	2.8	2.9	2.5
15	6.7	8.8	14	12	30	183	203	110	7.4	2.8	2.6	2.5
16	7.1	10	11	12	27	363	197	112	4.1	3.1	2.6	2.5
17	5.8	11	12	12	24	287	197	119	5.5	2.9	2.6	2.5
18	6.4	12	14	12	22	261	206	125	4.4	2.9	2.5	2.5
19	7.1	12	14	13	22	267	189	125	5.2	2.6	2.5	2.5
20	12	12	13	12	21	242	175	123	5.2	2.9	2.5	2.5
21	9.8	12	14	12	23	264	162	125	5.5	2.6	2.5	2.6
22	9.5	12	14	12	25	314	159	121	6.1	18	2.5	2.6
23	9.1	12	15	12	29	409	159	117	6.1	5.8	2.5	2.6
24	9.5	12	15	12	25	616	167	132	6.1	3.5	2.5	2.6
25	9.5	12	14	12	26	730	162	129	5.8	3.2	2.5	2.6
26	9.5	13	12	12	27	722	149	119	5.2	3.1	2.5	2.8
27	9.5	12	11	11	27	675	123	112	4.4	2.9	2.6	2.8
28	9.5	13	11	12	27	581	138	101	5.0	2.9	2.6	2.6
29	9.8	15	11	12	---	570	145	91	4.7	2.9	2.6	2.6
30	9.8	14	11	12	---	538	154	81	3.4	2.8	2.6	2.6
31	10	---	11	12	---	431	---	69	---	2.8	2.6	---
TOTAL	253.1	331.8	422	363.6	560	8141	6212	3873	368.2	111.9	79.0	76.8
MEAN	8.16	11.1	13.6	11.7	20.0	263	207	125	12.3	3.61	2.55	2.56
MAX	12	15	21	13	30	730	324	159	57	18	3.1	2.8
MIN	5.8	8.8	11	9.8	12	23	123	69	3.4	2.6	2.3	2.5
AC-FT	502	658	837	721	1110	16150	12320	7680	730	222	157	152

CAL YR 1978 TOTAL 76178.2 MEAN 209 MAX 2480 MIN 1.9 AC-FT 151100
WTR YR 1979 TOTAL 20792.4 MEAN 57.0 MAX 730 MIN 2.3 AC-FT 41240

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	3.8	10	12	19	27	2450	671	273	108	2.1	2.4
2	2.6	3.8	10	12	21	27	2480	644	259	106	2.1	2.6
3	2.6	4.0	12	15	21	29	2340	655	255	103	1.9	2.7
4	2.6	4.2	13	15	21	30	2190	683	245	110	1.9	2.7
5	2.6	4.2	10	15	22	31	2070	663	242	123	1.9	3.3
6	2.6	4.2	10	15	23	33	1910	597	242	121	2.1	8.3
7	2.6	4.2	11	15	24	34	2090	534	245	114	2.4	10
8	2.6	3.8	9.0	14	24	34	2250	500	242	110	2.3	9.0
9	2.6	4.0	7.9	15	24	37	2210	492	242	97	2.3	7.9
10	2.6	4.6	9.7	15	23	41	2170	500	245	89	2.3	9.3
11	2.7	4.8	9.3	15	25	45	2070	527	252	85	2.3	10
12	2.7	4.8	10	15	25	49	1950	531	235	81	2.3	9.0
13	2.7	5.4	10	14	23	51	1650	511	213	74	2.3	8.6
14	2.9	5.1	32	16	23	51	1490	507	192	69	2.3	8.6
15	3.8	5.1	134	19	25	54	1290	519	186	65	2.3	8.3
16	3.8	6.4	52	20	22	55	1110	550	175	58	2.2	7.3
17	3.5	7.3	34	20	21	56	1140	534	167	53	2.2	7.3
18	3.5	7.0	25	19	21	61	1080	485	156	43	2.3	8.3
19	3.1	6.0	15	20	23	70	914	447	158	30	2.3	8.6
20	3.1	7.3	12	20	23	90	742	424	153	24	2.3	9.0
21	3.1	7.0	15	19	23	125	762	405	146	20	2.3	9.3
22	2.9	8.6	15	19	25	189	766	424	138	15	2.3	9.0
23	2.9	9.3	15	16	25	259	698	450	138	11	2.3	8.6
24	3.1	9.7	15	15	26	355	624	447	134	9.0	2.3	8.3
25	3.8	9.7	15	16	27	458	570	428	132	5.7	2.3	7.6
26	4.2	12	14	19	27	481	605	386	129	4.4	2.3	7.3
27	3.8	12	13	18	27	585	684	348	125	3.3	2.3	7.0
28	3.8	10	14	18	27	822	778	314	121	2.9	2.3	6.7
29	3.5	11	15	21	---	1010	806	295	112	3.1	2.4	6.7
30	3.8	11	16	18	---	1500	726	295	108	2.9	2.4	7.0
31	3.8	---	14	21	---	1940	---	287	---	2.6	2.4	---
TOTAL	96.5	200.3	596.9	521	660	8629	42615	15053	5660	1742.9	69.7	220.7
MEAN	3.11	6.68	19.3	16.8	23.6	278	1420	486	189	56.2	2.25	7.36
MAX	4.2	12	134	21	27	1940	2480	683	273	123	2.4	10
MIN	2.6	3.8	7.9	12	19	27	570	287	108	2.6	1.9	2.4
AC-FT	191	397	1180	1030	1310	17120	84530	29860	11230	3460	138	438

CAL YR 1977 TOTAL 4386.1 MEAN 12.0 MAX 134 MIN 2.3 AC-FT 8700
WTR YR 1978 TOTAL 76065.0 MEAN 208 MAX 2480 MIN 1.9 AC-FT 150900

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	13	14	13	18	26	31	4.2	8.7	3.7	2.6	2.3
2	13	13	15	14	16	24	31	4.1	6.7	3.5	2.6	2.7
3	13	13	15	15	16	25	31	4.1	5.3	3.5	2.6	2.5
4	13	13	16	13	17	25	33	4.1	5.3	3.9	2.6	2.6
5	13	13	17	15	16	26	27	4.2	5.1	3.7	2.6	2.5
6	13	13	16	12	17	27	27	4.4	5.1	4.6	2.6	2.5
7	13	13	18	13	17	28	38	5.3	6.1	6.4	2.6	2.6
8	13	13	18	13	17	30	38	6.7	6.1	4.9	2.6	2.3
9	13	13	18	14	18	33	37	8.0	6.4	3.9	2.6	2.3
10	12	13	18	14	18	32	34	11	9.5	3.7	2.6	2.5
11	12	14	18	14	18	33	34	17	11	3.7	2.6	2.3
12	12	15	17	14	18	36	32	20	8.3	3.7	2.6	2.5
13	12	15	18	15	19	33	24	18	6.7	3.7	2.6	2.6
14	13	15	17	15	21	29	19	17	5.6	3.7	2.6	2.6
15	12	16	17	15	22	29	17	14	5.6	3.7	2.6	2.6
16	12	16	17	15	24	31	15	13	5.6	3.5	2.6	2.6
17	12	16	16	15	25	31	13	15	5.3	3.5	2.6	2.6
18	11	17	16	16	27	27	11	19	5.3	3.3	2.5	2.6
19	11	20	15	17	28	30	10	18	4.9	3.2	2.5	2.6
20	12	18	14	17	30	27	9.5	17	5.6	3.2	2.5	2.6
21	13	18	13	17	32	28	9.1	16	5.3	3.2	2.5	2.6
22	13	18	13	17	31	31	7.6	15	4.9	7.3	2.5	2.6
23	12	19	14	16	27	37	6.7	16	4.4	7.0	2.5	2.6
24	12	18	13	18	29	39	6.4	20	4.2	4.2	2.5	2.6
25	13	19	13	17	27	39	6.1	22	4.1	3.9	2.6	2.6
26	13	18	15	16	25	37	5.1	20	3.9	3.3	2.5	2.6
27	12	15	15	18	24	37	4.4	21	3.9	3.0	2.5	2.6
28	12	14	13	17	26	33	4.2	18	3.9	3.0	2.5	2.6
29	13	15	13	15	---	31	4.1	17	3.7	2.9	2.5	2.6
30	13	15	13	16	---	34	4.2	17	3.7	2.7	2.5	2.6
31	13	---	13	17	---	31	---	16	---	2.7	2.3	---
TOTAL	387	461	478	473	623	959	569.4	422.1	170.2	120.2	79.1	76.4
MEAN	12.5	15.4	15.4	15.3	22.2	30.9	19.0	13.6	5.67	3.88	2.55	2.55
MAX	13	20	18	18	32	39	38	22	11	7.3	2.6	2.7
MIN	11	13	13	12	16	24	4.1	4.1	3.7	2.7	2.3	2.3
AC-FT	768	914	948	938	1240	1900	1130	837	338	238	157	152

CAL YR 1976 TOTAL 58320.8 MEAN 159 MAX 4810 MIN 4.4 AC-FT 115700
WTR YR 1977 TOTAL 4818.4 MEAN 13.2 MAX 39 MIN 2.3 AC-FT 9560

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	30	29	18	30	38	85	442	134	17	9.1	7.3
2	9.9	29	32	21	29	32	149	420	121	16	9.9	7.0
3	7.9	28	32	23	29	32	262	409	100	16	11	7.3
4	6.7	27	32	25	29	34	399	431	82	15	7.1	7.3
5	6.1	26	36	29	27	34	612	431	82	17	6.1	6.1
6	6.4	26	41	28	26	35	829	438	73	17	5.2	4.6
7	6.7	27	49	27	27	37	1040	427	77	13	5.0	4.6
8	9.0	26	65	25	28	37	1660	417	74	7.6	5.0	4.8
9	8.6	26	67	26	30	39	2690	420	60	7.6	4.8	5.0
10	8.6	27	70	25	32	41	3300	427	54	6.1	4.6	5.8
11	10	22	67	24	31	44	4810	453	52	5.0	4.6	10
12	12	24	61	24	36	40	4420	442	60	5.0	4.4	15
13	15	24	43	24	35	41	3560	417	63	5.0	4.4	12
14	13	25	33	28	36	44	2580	402	65	6.1	4.4	9.9
15	12	27	37	30	36	44	2150	395	60	5.8	4.8	9.9
16	13	30	36	30	34	45	1820	384	70	5.5	5.5	8.6
17	12	35	30	30	33	46	1370	363	65	5.3	8.2	9.0
18	12	29	27	30	30	48	1090	352	71	5.0	7.9	10
19	12	23	27	28	29	50	873	337	65	5.0	7.0	11
20	12	25	27	27	27	47	790	316	62	6.7	6.1	11
21	12	27	27	26	25	50	725	299	53	7.0	5.8	9.9
22	13	26	27	26	27	50	702	269	39	7.3	5.5	10
23	13	27	28	27	36	53	695	256	32	7.0	6.7	11
24	13	27	29	27	37	54	714	240	30	6.1	9.5	11
25	13	25	29	28	36	53	653	216	30	5.8	11	10
26	19	26	30	29	36	53	634	204	31	5.8	9.9	12
27	19	26	29	30	37	56	593	190	30	8.0	8.6	13
28	20	25	27	32	38	54	523	219	29	9.1	8.2	12
29	24	22	27	33	39	57	479	216	25	9.1	8.2	12
30	29	22	26	33	---	60	464	177	20	8.3	8.2	12
31	29	---	23	32	---	67	---	159	---	7.6	8.2	---
TOTAL	406.4	789	1143	845	925	1415	40671	10568	1809	267.8	214.9	279.1
MEAN	13.1	26.3	36.9	27.3	31.9	45.6	1356	341	60.3	8.64	6.93	9.30
MAX	29	35	70	33	39	67	4810	453	134	17	11	15
MIN	6.1	22	23	18	25	32	85	159	20	5.0	4.4	4.6
AC-FT	806	1560	2270	1680	1330	2810	80670	20960	3590	531	426	554

CAL YR 1975 TOTAL 85956.4 MEAN 235 MAX 3240 MIN 4.6 AC-FT 170500
WTR YR 1976 TOTAL 59333.2 MEAN 162 MAX 4810 MIN 4.4 AC-FT 117700

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	18	19	14	27	30	67	2960	458	168	15	6.4
2	4.6	17	18	14	29	32	63	3080	417	160	16	6.4
3	4.8	16	21	14	30	33	70	2970	395	153	17	6.4
4	4.6	15	27	14	30	33	70	2720	384	150	13	7.3
5	4.8	15	30	15	29	34	73	2460	373	145	12	7.0
6	5.5	14	27	15	27	37	74	2030	374	145	9.9	8.6
7	5.0	14	28	16	28	38	69	1560	365	142	7.3	9.5
8	4.8	15	27	16	27	48	63	1490	356	146	5.5	9.0
9	8.6	15	21	16	28	60	60	1640	360	142	5.2	7.9
10	12	15	23	16	30	71	61	1470	333	126	5.0	7.9
11	9.0	17	24	16	30	76	67	1470	312	119	4.8	7.9
12	7.0	17	22	16	30	66	78	1610	288	122	4.6	10
13	7.3	18	22	17	28	61	93	1740	281	117	4.6	11
14	6.7	21	20	18	30	53	128	1740	272	109	5.5	10
15	7.0	34	19	20	29	49	169	1670	278	102	8.2	10
16	8.2	24	18	21	30	49	216	1720	291	91	8.2	10
17	9.0	22	19	22	27	45	202	1680	281	83	7.9	11
18	8.2	26	17	23	26	45	259	1500	278	83	8.2	11
19	7.9	22	18	22	30	54	334	1320	255	80	7.3	12
20	8.2	24	20	23	26	69	417	1150	218	73	7.0	12
21	9.0	24	22	21	24	83	549	993	210	67	7.9	12
22	8.6	24	19	20	24	69	657	821	201	61	7.6	12
23	8.2	22	17	23	25	61	987	753	196	54	7.3	11
24	11	22	16	24	26	60	1260	724	199	46	12	10
25	10	20	16	26	24	61	2280	705	208	40	12	10
26	10	19	15	28	25	63	2610	641	225	34	11	9.9
27	10	22	15	28	28	56	3210	610	205	32	9.0	9.9
28	14	20	16	26	29	53	3240	630	200	27	7.3	9.9
29	20	18	15	24	---	54	2740	622	185	24	6.1	9.9
30	17	20	15	24	---	60	2840	563	175	20	6.1	9.5
31	17	---	14	25	---	65	---	510	---	15	6.1	---
TOTAL	272.6	590	620	617	776	1668	23006	45552	8573	2876	264.6	285.4
MEAN	8.79	19.7	20.0	19.9	27.7	53.8	767	1469	286	92.8	8.54	9.51
MAX	20	34	30	28	30	83	3240	3080	458	168	17	12
MIN	4.6	14	14	14	24	30	60	510	175	15	4.6	6.4
AC-FT	541	1170	1230	1220	1540	3310	45630	90350	17000	5700	525	566

CAL YR 1974 TOTAL 95625.1 MEAN 262 MAX 4780 MIN 3.9 AC-FT 189700
WTR YR 1975 TOTAL 85100.6 MEAN 233 MAX 3240 MIN 4.6 AC-FT 168800

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	13	41	20	44	45	3050	683	282	48	4.1	3.9
2	4.9	15	35	20	43	51	2760	695	246	44	4.1	3.9
3	4.9	14	36	21	45	49	2030	699	243	41	4.1	4.0
4	4.9	13	31	20	42	48	1480	676	250	37	4.1	4.0
5	5.0	14	32	21	44	52	1350	668	237	33	5.0	3.9
6	5.0	18	33	22	40	55	1480	676	250	29	5.2	3.9
7	5.2	23	32	23	38	55	1900	672	246	27	7.6	4.0
8	6.0	25	34	23	38	56	1730	680	234	24	7.0	4.2
9	6.0	23	31	23	39	54	1570	676	222	22	6.4	4.2
10	5.5	25	29	22	39	56	1620	687	205	21	5.6	4.2
11	5.5	34	28	21	39	60	1590	645	177	24	4.8	4.0
12	5.8	42	25	20	40	66	1310	612	169	24	4.6	4.2
13	6.0	49	27	22	41	80	1270	582	161	23	4.6	4.2
14	6.4	49	29	22	41	85	1280	590	177	21	4.6	4.4
15	6.6	46	29	24	41	96	1170	516	190	19	4.4	4.4
16	5.9	43	32	31	44	111	1050	508	199	20	4.4	4.6
17	6.5	44	35	42	43	146	1100	453	196	18	4.2	4.6
18	6.5	48	37	40	43	272	1180	409	188	16	4.6	4.4
19	7.1	55	35	44	43	451	1090	370	172	13	4.6	4.4
20	8.0	46	31	42	41	616	1150	370	151	12	5.2	4.2
21	7.6	37	35	37	39	687	1140	345	132	10	5.8	4.2
22	7.3	36	35	37	43	845	1070	313	115	8.5	5.2	4.4
23	7.6	35	34	43	37	1120	1020	296	106	8.2	5.0	4.6
24	8.0	35	30	45	38	1150	1020	279	95	7.0	4.8	4.6
25	8.2	29	31	46	42	1480	1040	272	83	6.4	4.4	4.4
26	7.9	31	25	45	45	2250	1020	292	76	5.5	4.2	4.4
27	8.0	29	29	45	43	3180	948	327	70	5.2	4.2	4.4
28	9.1	29	29	46	44	4780	837	352	62	5.0	4.1	4.4
29	9.5	32	26	45	---	4510	759	366	59	4.2	4.1	4.4
30	8.2	37	24	45	---	4020	725	355	53	4.2	4.1	4.6
31	9.0	---	19	46	---	3420	---	324	---	4.2	4.0	---
TOTAL	207.0	969	959	1003	1159	29946	40739	15388	5046	584.4	149.1	128.0
MEAN	6.68	32.3	30.9	32.4	41.4	966	1358	496	168	18.9	4.81	4.27
MAX	9.5	55	41	46	45	4780	3050	699	282	48	7.6	4.6
MIN	4.9	13	19	20	37	45	725	272	53	4.2	4.0	3.9
AC-FT	411	1920	1900	1990	2300	59400	80810	30520	10010	1160	296	254

CAL YR 1973 TOTAL 36559.4 MEAN 100 MAX 1640 MIN 3.9 AC-FT 72520
WTR YR 1974 TOTAL 96277.5 MEAN 264 MAX 4780 MIN 3.9 AC-FT 191000

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	26	32	30	34	43	227	296	78	13	5.5	4.4
2	13	27	38	32	33	45	222	275	71	11	5.2	4.4
3	12	30	40	34	35	46	262	266	67	9.7	5.0	4.4
4	13	38	32	30	37	47	327	269	66	9.7	5.0	4.3
5	18	43	27	29	37	46	564	269	59	9.0	4.8	4.3
6	18	47	27	31	37	45	1310	266	55	8.4	4.4	4.3
7	16	40	26	30	38	46	1230	256	46	8.0	4.8	4.3
8	15	36	24	30	35	47	1010	248	39	8.2	4.8	4.3
9	18	35	21	29	34	47	995	240	31	7.6	4.8	4.3
10	20	35	21	30	39	49	1110	232	26	6.8	4.8	4.3
11	24	36	21	30	37	51	1150	224	22	6.8	5.0	4.3
12	22	38	22	31	37	50	1250	218	25	7.2	4.8	4.1
13	27	37	23	32	37	52	1470	212	24	7.6	4.6	4.1
14	24	36	23	34	35	51	1640	207	27	8.0	4.6	4.1
15	24	37	22	35	34	53	1550	207	32	8.0	4.8	4.3
16	27	38	23	37	35	55	1180	199	33	7.2	4.4	4.3
17	27	40	24	37	36	59	909	202	41	6.6	4.4	4.3
18	26	41	24	37	38	56	884	207	43	6.2	4.3	4.3
19	27	40	26	36	34	58	757	207	37	5.5	4.3	4.2
20	29	38	28	31	34	65	633	199	29	5.5	3.9	4.3
21	27	36	30	31	34	69	511	179	25	6.1	3.9	4.4
22	27	33	35	30	35	71	446	156	21	7.0	3.9	4.6
23	27	31	37	32	39	76	407	130	17	6.7	3.9	4.6
24	27	29	39	33	37	89	384	90	14	6.1	3.9	4.8
25	26	29	39	36	39	110	366	104	13	5.8	4.1	4.8
26	25	32	38	37	39	128	345	115	13	6.7	4.1	4.8
27	26	32	40	33	40	153	338	109	14	6.1	4.1	4.8
28	26	32	42	33	41	183	334	93	15	6.7	3.9	4.8
29	26	30	38	35	---	188	338	78	15	6.1	3.9	4.6
30	27	30	32	36	---	196	324	77	14	5.8	3.9	4.6
31	26	---	32	36	---	223	---	76	---	5.8	4.3	---
TOTAL	703	1052	926	1017	1020	2497	22473	5906	1012	228.9	138.1	132.4
MEAN	22.7	35.1	29.9	32.8	36.4	80.5	749	191	33.7	7.38	4.45	4.41
MAX	29	47	42	37	41	223	1640	296	78	13	5.5	4.8
MIN	12	26	21	29	33	43	222	76	13	5.5	3.9	4.1
AC-FT	1390	2090	1840	2020	2020	4950	44580	11710	2010	454	274	263

CAL YR 1972 TOTAL 98379.2 MEAN 269 MAX 3490 MIN 8.6 AC-FT 195100
WTR YR 1973 TOTAL 37105.4 MEAN 102 MAX 1640 MIN 3.9 AC-FT 73600

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	38	37	39	37	82	810	593	391	77	14	9.4
2	11	36	39	40	37	88	840	542	391	71	17	9.4
3	11	38	43	34	38	106	910	530	338	67	14	9.0
4	11	38	37	32	38	106	940	542	384	71	11	9.0
5	11	43	41	35	39	134	1020	575	366	71	10	9.4
6	12	42	45	37	40	179	1220	601	359	69	10	10
7	13	40	37	39	40	210	1330	616	366	66	10	9.4
8	14	39	35	39	40	266	1210	627	399	60	10	9.2
9	16	41	40	37	38	316	1120	619	388	53	10	9.0
10	18	45	40	34	36	359	1050	603	399	49	10	9.0
11	20	47	38	36	37	442	990	571	391	47	10	10
12	22	49	39	37	39	616	1030	545	370	44	10	10
13	23	53	37	35	40	869	890	527	348	39	10	9.8
14	32	56	37	34	37	1330	800	516	320	34	10	9.7
15	31	54	37	35	37	2360	770	512	282	28	11	9.5
16	35	49	37	36	39	2640	790	512	256	24	13	9.3
17	37	45	39	37	38	2920	750	519	253	18	12	9.2
18	36	42	38	38	39	3020	700	519	219	15	12	8.9
19	37	40	36	40	38	3080	668	505	196	12	11	8.6
20	37	42	39	41	39	3000	630	493	179	12	11	8.6
21	39	47	40	48	40	3090	630	512	169	12	11	9.1
22	39	49	41	48	42	3290	616	527	159	12	10	9.1
23	37	44	43	41	43	3490	638	508	144	12	10	9.1
24	37	44	44	34	43	2950	642	453	128	11	10	9.1
25	37	46	46	37	43	2250	597	406	137	9.5	10	10
26	37	46	45	41	49	1620	657	377	126	9.9	10	11
27	37	44	37	37	57	1130	627	359	111	8.6	10	14
28	37	40	37	37	78	927	597	352	102	9.9	10	14
29	35	44	41	33	90	880	590	355	93	12	10	13
30	36	47	40	33	---	830	604	370	90	12	9.6	13
31	36	---	38	36	---	790	---	377	---	9.5	9.4	---
TOTAL	846	1328	1223	1160	1251	43370	24666	15668	7904	1045.4	336.0	297.8
MEAN	27.3	44.3	39.5	37.4	43.1	1399	822	505	263	33.7	10.8	9.93
MAX	39	56	46	48	90	3490	1330	627	399	77	17	14
MIN	11	36	35	32	36	82	590	352	90	8.6	9.4	8.6
AC-FT	1680	2630	2430	2300	2480	86020	48930	31080	15680	2070	666	591

CAL YR 1971 TOTAL 157814.9 MEAN 432 MAX 5800 MIN 8.0 AC-FT 313000
WTR YR 1972 TOTAL 99095.2 MEAN 271 MAX 3490 MIN 8.6 AC-FT 196600

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	23	110	37	124	204	2350	1160	722	215	21	17
2	8.1	23	94	35	152	188	2630	1220	662	201	22	16
3	8.1	23	57	37	164	172	2650	1330	603	192	21	17
4	8.1	23	73	37	179	174	2970	1430	543	181	18	17
5	9.0	24	84	35	164	192	3540	1420	491	176	17	17
6	11	27	82	33	161	180	4460	1370	445	164	20	16
7	12	29	88	33	152	168	5150	1390	410	154	24	17
8	12	31	96	33	143	164	5800	1420	393	143	26	16
9	12	33	96	35	136	176	5400	1430	396	130	25	15
10	13	38	68	37	138	190	4900	1370	410	124	23	13
11	13	41	68	39	141	210	4100	1330	435	118	21	12
12	14	42	50	39	154	230	3100	1270	452	101	20	11
13	14	40	49	38	179	260	2600	1290	445	101	20	11
14	13	36	47	42	218	240	2400	1310	428	84	19	11
15	15	33	45	39	275	232	2450	1270	410	86	18	9.0
16	15	31	47	35	309	230	2650	1170	386	81	20	8.0
17	14	31	47	40	347	221	2580	1070	361	57	21	8.4
18	15	33	45	51	358	221	2420	957	351	48	21	9.0
19	15	29	42	63	358	212	1930	848	337	42	21	9.5
20	15	33	43	82	340	224	1660	767	320	45	20	10
21	16	25	48	82	330	221	1730	743	309	43	20	10
22	17	27	45	86	315	272	1650	725	303	42	18	11
23	20	30	40	86	300	333	1900	662	299	41	16	11
24	25	54	41	84	282	445	2060	620	289	40	15	10
25	25	122	41	88	264	585	1960	603	279	40	14	10
26	25	209	36	94	250	1100	1660	603	275	39	14	10
27	23	149	36	100	236	1400	1490	638	306	29	13	10
28	21	105	37	98	220	1600	1430	683	316	33	13	11
29	20	96	37	98	---	1800	1230	715	289	29	15	12
30	20	120	38	100	---	2050	1160	729	246	23	24	13
31	21	---	39	105	---	2300	---	739	---	22	19	---
TOTAL	477.1	1560	1769	1841	6389	16194	82010	32282	11911	2824	599	367.9
MEAN	15.4	52.0	57.1	59.4	228	522	2734	1041	397	91.1	19.3	12.3
MAX	25	209	110	105	358	2300	5800	1430	722	215	26	17
MIN	7.8	23	36	33	124	164	1160	603	246	22	13	8.0
AC-FT	946	3090	3510	3650	12670	32120	162700	64030	23630	5600	1190	730

CAL YR 1970 TOTAL 67844.1 MEAN 186 MAX 2020 MIN 5.0 AC-FT 134600
WTR YR 1971 TOTAL 158224.0 MEAN 433 MAX 5800 MIN 7.8 AC-FT 313800

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	19	21	21	31	55	988	413	300	182	11	5.5
2	8.2	19	20	21	30	60	1030	402	290	153	10	5.5
3	7.7	19	20	22	30	63	1150	423	274	131	10	5.5
4	7.7	19	21	21	30	73	1480	492	252	112	10	5.2
5	7.7	20	19	20	29	72	1740	566	246	93	10	5.2
6	7.7	22	19	19	29	74	1930	628	236	85	9.3	5.5
7	7.7	23	23	17	28	82	2020	666	218	78	9.3	5.7
8	8.2	23	21	18	28	81	1820	640	260	72	7.4	5.5
9	8.7	22	20	20	32	85	1540	595	300	68	7.1	5.5
10	8.7	21	19	21	35	87	1560	580	330	69	8.6	5.9
11	9.2	21	18	23	35	97	1690	577	280	85	8.3	5.9
12	10	21	20	23	34	102	1460	540	230	100	7.4	5.7
13	11	21	20	23	35	106	1050	490	192	90	7.1	6.2
14	11	22	19	23	36	115	900	400	252	70	6.8	6.8
15	12	21	19	24	37	134	892	340	294	60	6.5	7.4
16	13	22	20	24	37	163	1190	310	304	53	6.5	7.7
17	13	21	22	24	41	191	1120	340	258	47	6.5	7.7
18	14	19	21	23	42	196	940	400	227	42	6.5	7.7
19	15	19	21	23	41	196	764	450	204	36	6.2	8.9
20	17	17	23	25	42	196	700	500	192	30	6.2	11
21	19	17	25	26	43	220	610	540	187	28	5.9	11
22	19	19	27	30	43	250	536	540	182	28	5.7	13
23	18	19	28	35	45	269	477	520	177	25	5.5	12
24	17	19	23	36	45	333	431	500	169	22	5.2	12
25	18	19	26	33	43	457	405	470	158	20	5.2	12
26	18	19	32	32	45	540	427	450	142	17	5.0	12
27	17	19	24	33	47	497	485	460	131	15	5.0	12
28	17	19	19	35	50	585	525	420	151	13	5.0	11
29	17	19	20	34	---	704	503	360	164	11	5.0	8.6
30	18	22	21	33	---	684	445	330	185	11	5.0	8.0
31	20	---	23	32	---	872	---	310	---	11	5.2	---
TOTAL	403.7	602	674	794	1043	7639	30808	14652	6785	1857	218.4	241.6
MEAN	13.0	20.1	21.7	25.6	37.2	246	1027	473	226	59.9	7.05	8.05
MAX	20	23	32	36	50	872	2020	666	330	182	11	13
MIN	7.7	17	18	17	28	55	405	310	131	11	5.0	5.2
AC-FT	801	1190	1340	1570	2070	15150	61110	29060	13460	3680	433	479

CAL YR 1969 TOTAL 119694.9 MEAN 328 MAX 5520 MIN 3.5 AC-FT 237400
WTR YR 1970 TOTAL 65717.7 MEAN 180 MAX 2020 MIN 5.0 AC-FT 130400

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	8.6	17	15	41	36	160	952	336	109	9.2	3.7
2	6.8	8.6	15	17	38	35	290	876	295	102	8.7	3.7
3	6.8	9.7	17	15	40	37	566	824	272	93	8.7	3.7
4	6.8	13	18	15	36	37	1020	780	250	87	9.7	3.5
5	6.5	11	18	17	36	38	1780	776	250	81	7.7	3.5
6	6.5	11	17	20	38	37	2780	832	253	82	7.4	3.7
7	7.1	12	17	21	35	35	3160	900	250	100	7.0	3.7
8	7.4	12	19	17	36	35	3950	948	241	99	7.0	3.9
9	7.4	15	17	16	38	35	4430	988	238	89	7.4	4.1
10	7.1	17	16	18	38	34	5520	1010	244	74	7.7	4.6
11	7.4	17	16	18	37	36	5470	1010	299	67	7.7	5.3
12	8.3	17	11	19	36	37	4850	988	295	61	6.3	5.7
13	9.7	18	13	21	36	38	5010	956	269	55	5.0	6.3
14	9.3	17	15	25	34	39	5030	944	247	48	5.0	7.0
15	8.9	17	17	25	38	41	4560	908	235	41	5.0	5.7
16	8.6	17	15	23	38	41	4010	852	247	33	5.0	5.7
17	8.9	15	12	22	36	43	3800	800	218	32	4.6	7.0
18	8.6	17	13	19	35	43	3730	760	182	28	5.0	7.7
19	8.9	17	15	21	36	43	3510	744	161	26	5.3	8.2
20	8.6	17	15	35	37	43	2730	720	163	23	5.3	12
21	8.9	18	13	59	38	44	2330	672	154	21	5.3	19
22	8.9	18	13	56	37	46	2060	612	146	19	5.0	13
23	8.9	20	15	41	37	48	2070	559	140	18	4.6	14
24	8.9	20	15	40	38	48	2090	525	142	16	4.6	14
25	8.9	17	14	48	38	50	1950	511	146	15	3.9	13
26	9.3	18	14	48	37	53	1640	515	140	15	3.9	11
27	9.3	20	14	45	33	59	1400	522	130	14	3.7	8.2
28	9.3	17	12	49	36	69	1190	497	124	14	3.7	8.7
29	9.3	15	11	44	---	82	1070	450	122	13	3.7	8.2
30	8.9	18	11	44	---	99	1020	401	117	12	3.7	8.2
31	8.9	---	14	43	---	125	---	363	---	9.7	3.7	---
TOTAL	255.9	467.9	459	916	1033	1486	83176	23195	6306	1496.7	180.5	226.0
MEAN	8.25	15.6	14.8	29.5	36.9	47.9	2773	748	210	48.3	5.82	7.53
MAX	9.7	20	19	59	41	125	5520	1010	336	109	9.7	19
MIN	6.5	8.6	11	15	33	34	160	363	117	9.7	3.7	3.5
AC-FT	508	928	910	1820	2050	2950	165000	46010	12510	2970	358	448

CAL YR 1968 TOTAL 19547.7 MEAN 53.4 MAX 394 MIN 2.4 AC-FT 38770
WTR YR 1969 TOTAL 119198.0 MEAN 327 MAX 5520 MIN 3.5 AC-FT 236400

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	15	15	20	20	148	211	63	43	23	2.4	4.8
2	10	14	17	18	20	164	208	68	44	20	2.5	4.8
3	11	14	18	16	20	193	208	66	42	18	2.5	4.8
4	11	14	19	17	20	217	208	65	44	16	2.4	4.8
5	11	14	20	20	20	244	202	62	51	15	2.6	5.0
6	10	14	18	18	21	261	187	56	93	13	2.5	5.0
7	10	14	18	17	22	254	178	54	141	11	2.5	5.2
8	10	14	17	18	21	232	162	51	199	9.7	2.5	5.9
9	10	15	15	18	22	214	144	50	217	8.3	2.5	6.2
10	9.7	15	17	20	23	205	138	48	226	8.0	2.5	6.2
11	9.7	17	17	17	21	208	134	46	214	8.9	3.0	7.1
12	8.9	17	14	16	24	266	134	49	190	6.8	3.0	6.8
13	8.0	18	12	16	23	325	131	48	162	5.9	3.0	6.8
14	8.3	18	12	17	23	394	120	48	146	6.2	3.0	6.5
15	8.3	21	12	19	25	359	103	46	131	5.9	3.0	6.5
16	8.6	20	12	19	28	305	103	45	116	5.5	3.0	6.5
17	8.9	20	13	17	25	295	105	45	101	5.0	4.8	6.5
18	9.3	20	14	16	25	308	101	38	87	4.8	7.4	6.5
19	9.7	25	15	17	27	302	95	32	79	4.6	8.6	5.9
20	9.7	25	15	20	34	270	91	34	68	4.6	14	6.8
21	10	25	14	20	41	257	86	34	56	3.6	12	7.7
22	10	23	15	19	46	266	81	32	48	3.4	10	7.7
23	11	21	17	20	59	282	72	38	44	3.4	9.3	7.4
24	12	20	17	21	111	270	71	40	37	3.2	7.4	7.4
25	12	18	17	20	136	257	69	44	30	3.2	6.2	7.4
26	12	17	18	16	136	257	68	45	27	3.1	5.7	7.4
27	12	16	18	20	162	250	63	45	23	3.0	5.0	7.4
28	17	18	19	20	164	238	66	45	20	2.8	4.8	7.1
29	17	18	18	17	148	232	65	44	20	2.6	4.8	6.8
30	17	18	18	20	---	223	63	38	23	2.5	4.8	6.8
31	17	---	18	20	---	211	---	36	---	2.5	5.0	---
TOTAL	338.0	538	499	569	1467	7907	3667	1455	2722	233.5	152.7	191.7
MEAN	10.9	17.9	16.1	18.4	50.6	255	122	46.9	90.7	7.53	4.93	6.39
MAX	17	25	20	21	164	394	211	68	226	23	14	7.7
MIN	8.0	14	12	16	20	148	63	32	20	2.5	2.4	4.8
AC-FT	670	1070	990	1130	2910	15680	7270	2890	5400	463	303	380

CAL YR 1967 TOTAL 48789.9 MEAN 134 MAX 820 MIN 3.6 AC-FT 96770
WTR YR 1968 TOTAL 19739.9 MEAN 53.9 MAX 394 MIN 2.4 AC-FT 39150

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1966 TO SEPTEMBER 1967
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	8.9	17	12	40	31	180	423	401	229	8.3	5.2
2	3.9	8.9	18	12	34	31	180	362	398	202	8.6	5.0
3	3.9	9.3	20	13	30	31	180	322	373	173	6.5	5.2
4	3.9	11	20	14	27	31	230	305	345	159	4.8	5.5
5	3.9	12	20	15	25	31	300	305	332	146	4.6	5.5
6	4.1	12	18	12	23	32	400	318	362	129	4.8	5.9
7	3.9	13	19	8.0	22	31	580	362	383	118	4.8	6.2
8	4.1	13	17	10	24	32	740	438	373	111	3.9	7.1
9	4.4	13	3.0	10	27	35	820	525	380	103	4.1	5.9
10	4.4	13	8.0	12	28	35	820	589	373	86	5.5	6.8
11	4.4	13	10	14	27	35	700	563	345	72	9.7	6.2
12	4.6	13	12	15	28	38	680	496	332	63	9.7	7.1
13	4.6	13	14	16	29	46	660	434	325	58	8.6	7.7
14	4.8	13	16	17	30	46	640	398	315	54	6.8	7.1
15	5.0	14	15	18	28	52	600	398	373	49	7.1	7.4
16	5.2	15	14	16	30	60	580	434	345	43	6.5	7.1
17	5.7	15	14	15	30	90	560	488	325	46	5.0	7.1
18	5.9	14	14	13	30	120	550	537	325	34	4.6	8.3
19	5.9	14	14	16	26	140	540	575	322	22	3.6	8.0
20	6.2	14	14	22	25	155	529	589	322	17	3.6	8.0
21	5.7	15	13	40	26	170	480	580	369	14	4.2	8.0
22	5.9	15	13	50	26	180	442	593	461	14	4.4	7.7
23	6.8	15	12	35	30	220	387	624	442	13	4.4	7.1
24	7.4	14	12	27	29	240	380	656	401	11	4.4	6.8
25	7.7	14	12	26	29	220	383	660	356	9.7	4.6	6.8
26	7.4	14	12	25	28	210	359	615	311	11	4.6	7.1
27	7.7	14	7.0	26	30	200	405	533	286	11	4.6	7.1
28	7.7	14	6.0	28	31	210	496	472	273	9.3	5.0	7.1
29	8.0	15	4.0	35	---	210	537	461	260	7.7	5.0	7.1
30	8.0	16	8.0	56	---	200	488	468	241	6.5	5.2	7.4
31	8.3	---	12	46	---	190	---	394	---	6.5	5.2	---
TOTAL	173.1	398.1	408.0	674.0	792	3352	14826	14917	10449	2027.7	172.7	204.5
MEAN	5.58	13.3	13.2	21.7	28.3	108	494	481	348	65.4	5.57	6.82
MAX	8.3	16	20	56	40	240	820	660	461	229	9.7	8.3
MIN	3.7	8.9	3.0	8.0	22	31	180	305	241	6.5	3.6	5.0
AC-FT	343	790	809	1340	1570	6650	29410	29590	20730	4020	343	406

CAL YR 1966 TOTAL 41544.9 MEAN 114 MAX 3850 MIN 2.8 AC-FT 82400
WTR YR 1967 TOTAL 48394.1 MEAN 133 MAX 820 MIN 3.0 AC-FT 95990

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1965 TO SEPTEMBER 1966
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	39	43	40	43	40	3200	208	66	11	3.7	3.1
2	32	37	50	38	41	38	3850	207	65	10	3.6	3.1
3	33	38	52	36	41	36	2840	213	67	9.7	3.4	3.1
4	36	38	52	38	42	35	2230	227	65	9.3	3.4	3.1
5	41	38	52	47	43	38	1210	241	60	8.6	3.6	3.1
6	40	39	50	54	44	43	943	254	58	8.6	3.7	3.1
7	39	37	45	60	42	50	776	271	60	6.8	3.6	3.0
8	39	39	41	57	40	56	685	286	59	5.5	3.6	3.0
9	39	40	41	52	39	63	643	286	58	5.5	3.4	3.0
10	39	42	52	47	39	70	612	286	54	5.2	3.2	3.1
11	39	44	54	46	39	127	558	275	50	5.0	3.1	3.2
12	40	44	46	45	39	191	498	260	46	4.8	3.1	3.2
13	42	46	43	44	39	336	434	231	43	4.1	3.1	3.2
14	39	57	41	43	39	434	394	205	36	4.1	3.0	3.4
15	39	69	33	41	38	288	365	188	32	3.9	3.0	3.4
16	42	75	29	38	39	210	358	170	29	3.9	3.0	3.6
17	42	74	26	32	39	134	363	130	29	4.1	3.0	3.6
18	41	68	23	31	40	120	354	128	27	5.2	3.0	3.7
19	41	75	22	30	40	136	332	122	23	5.0	3.0	3.7
20	41	75	28	32	40	124	311	111	20	4.4	2.8	3.7
21	42	68	32	33	40	125	309	90	19	4.6	2.8	3.7
22	42	62	37	34	40	102	300	79	17	4.8	3.0	3.7
23	43	61	39	34	41	94	284	73	16	4.8	3.0	3.6
24	44	62	40	35	41	96	262	70	18	5.0	3.0	3.6
25	44	63	42	37	41	136	254	65	21	4.8	3.0	3.4
26	44	49	41	39	41	252	256	58	23	4.8	3.0	3.6
27	44	53	40	41	41	390	250	56	21	4.6	3.0	3.6
28	44	32	44	45	41	538	244	52	19	5.0	3.0	3.6
29	44	35	47	48	---	774	231	51	17	5.0	3.0	3.7
30	43	36	45	46	---	1120	216	57	12	4.6	3.1	3.7
31	40	---	43	45	---	1870	---	61	---	4.1	3.1	---
TOTAL	1251	1535	1273	1288	1132	8066	23562	5011	1130	176.8	98.3	101.6
MEAN	40.4	51.2	41.1	41.5	40.4	260	785	162	37.7	5.70	3.17	3.39
MAX	44	75	54	60	44	1870	3850	286	67	11	3.7	3.7
MIN	32	32	22	30	38	35	216	51	12	3.9	2.8	3.0
AC-FT	2480	3040	2520	2550	2250	16000	46740	9940	2240	351	195	202

CAL YR 1965 TOTAL 139574 MEAN 382 MAX 4050 MIN 22 AC-FT 276800
WTR YR 1966 TOTAL 44624.7 MEAN 122 MAX 3350 MIN 2.8 AC-FT 88510

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	12	22	800	387	220	1810	1530	633	298	26	24
2	4.4	13	22	400	320	200	3560	1480	609	298	27	24
3	4.1	12	20	450	250	200	4050	1320	580	278	192	22
4	4.4	12	21	400	220	220	3140	1170	564	250	138	22
5	4.4	12	20	360	220	250	3150	1050	561	231	45	22
6	4.7	12	18	329	240	270	3100	950	555	222	37	22
7	4.7	12	16	308	350	290	2360	879	546	208	32	23
8	5.3	12	14	290	600	320	2170	796	540	194	28	27
9	5.3	12	16	260	670	360	2160	722	512	184	25	27
10	5.9	12	18	240	600	412	2100	653	479	172	23	28
11	6.8	13	20	230	450	475	1600	612	461	163	23	30
12	6.5	13	20	220	350	538	1320	622	461	152	36	27
13	6.8	12	18	210	280	601	1110	657	461	140	27	27
14	6.2	11	16	204	230	666	1020	730	456	123	24	26
15	6.2	10	18	198	200	781	973	745	424	104	24	26
16	6.5	9.0	16	192	200	922	969	788	410	93	24	27
17	6.2	10	14	186	200	1000	1070	808	401	85	23	32
18	6.8	12	12	180	220	930	1190	812	369	80	23	35
19	10	12	10	174	240	830	1320	792	328	76	26	38
20	11	12	16	168	240	760	1680	745	298	75	27	41
21	10	12	50	164	240	730	1900	722	294	73	36	43
22	10	13	130	160	240	730	2130	760	300	66	76	43
23	10	14	943	156	240	760	2070	788	315	60	48	42
24	10	14	1170	153	240	790	1890	824	341	54	36	42
25	11	16	1090	150	240	820	1680	796	358	46	33	41
26	11	16	2270	147	240	798	1530	756	367	42	32	40
27	11	14	2850	144	240	625	1430	639	385	38	30	40
28	11	16	1740	141	230	515	1400	589	365	34	27	40
29	11	17	1200	158	---	515	1350	574	334	33	26	40
30	12	18	1000	194	---	656	1430	596	305	33	25	36
31	11	---	1200	274	---	988	---	629	---	32	25	---
TOTAL	238.0	385.0	13990	7640	8377	18172	56662	25534	13012	3937	1224	957
MEAN	7.68	12.8	451	246	299	586	1889	824	434	127	39.5	31.9
MAX	12	18	2850	800	670	1000	4050	1530	633	298	192	43
MIN	3.8	9.0	10	141	200	200	969	574	294	32	23	22
AC-FT	472	764	27750	15150	16620	36040	112400	50650	25810	7810	2430	1900

CAL YR 1964 TOTAL 59900.1 MEAN 164 MAX 2850 MIN 2.8 AC-FT 118800
WTR YR 1965 TOTAL 150128.0 MEAN 411 MAX 4050 MIN 3.8 AC-FT 297800

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	10	19	17	20	23	71	569	168	44	6.2	3.6
2	6.2	11	19	17	20	23	73	586	168	33	6.5	3.8
3	6.2	11	19	17	20	23	83	572	178	29	6.2	3.8
4	6.2	13	19	17	20	23	94	515	162	29	8.1	3.6
5	6.2	14	19	17	20	23	133	432	159	28	8.4	3.6
6	6.5	15	19	17	20	23	168	382	170	23	7.4	3.3
7	6.5	15	19	17	20	23	210	380	180	22	7.4	3.3
8	6.5	22	19	17	20	23	276	333	195	20	8.8	3.0
9	6.8	30	19	17	20	23	439	318	189	19	8.4	3.0
10	6.5	26	19	17	20	23	888	312	178	18	7.1	3.0
11	6.5	25	19	17	20	23	1620	312	209	18	5.9	3.0
12	7.1	25	19	17	20	23	1170	316	209	17	5.3	3.0
13	7.4	22	19	17	20	23	1210	312	202	16	4.4	3.0
14	7.4	21	19	17	20	23	1880	310	188	16	4.0	3.0
15	7.4	27	19	17	20	23	2580	314	184	16	3.6	3.0
16	7.1	26	19	17	20	23	2260	312	196	16	3.3	3.3
17	7.4	25	19	17	20	27	2240	312	202	14	3.0	3.3
18	8.1	25	19	17	20	27	1940	310	198	13	3.0	3.3
19	8.8	23	19	17	20	28	1440	308	188	11	3.0	3.6
20	8.4	23	19	17	20	28	1210	303	176	11	3.0	3.6
21	8.4	23	19	17	20	29	1140	291	166	10	3.0	3.8
22	9.7	20	19	17	20	29	1050	272	158	7.4	3.0	3.6
23	11	22	19	17	20	30	983	249	144	7.1	3.0	3.6
24	11	23	19	17	20	31	946	230	133	6.5	2.8	3.6
25	11	21	19	17	20	32	868	209	126	5.6	3.0	3.6
26	11	20	19	17	20	33	784	195	116	5.3	3.0	3.8
27	11	24	19	17	20	33	631	186	116	5.6	3.0	3.8
28	11	22	19	17	20	36	515	186	88	5.3	3.3	4.1
29	11	21	19	17	20	39	464	183	69	5.6	3.0	4.1
30	11	20	19	17	---	43	483	178	58	6.2	3.3	3.8
31	11	---	19	17	---	53	---	171	---	5.9	3.3	---
TOTAL	256.5	625	589	527	580	866	27849	9858	4873	483.5	146.7	103.9
MEAN	8.27	20.8	19.0	17.0	20.0	27.9	928	318	162	15.6	4.73	3.46
MAX	11	30	19	17	20	53	2580	586	209	44	8.8	4.1
MIN	6.2	10	19	17	20	23	71	171	58	5.3	2.8	3.0
AC-FT	509	1240	1170	1050	1150	1720	55240	19550	9670	959	291	206

CAL YR 1963 TOTAL 55900.3 MEAN 153 MAX 6400 MIN 2.8 AC-FT 110900
WTR YR 1964 TOTAL 46757.6 MEAN 128 MAX 2580 MIN 2.8 AC-FT 92740

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	7.0	18	22	2700	114	118	204	228	126	6.0	3.3
2	5.0	7.0	20	22	3000	103	112	213	220	109	5.2	3.6
3	5.0	8.5	29	23	6400	94	100	228	210	90	5.0	3.6
4	4.7	9.4	28	23	6000	82	93	235	210	71	4.7	3.8
5	4.7	9.4	26	22	4100	74	76	228	210	56	4.4	3.8
6	5.8	10	27	20	2500	69	123	239	198	44	3.8	3.8
7	6.7	12	26	18	1500	65	176	255	198	42	3.6	4.1
8	7.0	12	24	17	918	68	221	257	207	41	3.3	4.4
9	7.3	12	23	17	601	68	213	264	196	39	3.3	4.4
10	7.6	14	22	17	457	69	190	257	235	41	3.3	4.4
11	7.9	13	20	15	331	69	178	253	246	43	3.6	4.1
12	7.9	13	20	8.0	225	65	162	249	242	38	3.3	4.4
13	8.2	13	20	6.0	168	57	152	233	228	35	3.6	4.7
14	8.8	13	21	10	140	55	150	223	246	31	3.3	5.0
15	10	13	22	14	132	56	182	216	248	28	3.3	5.2
16	9.4	13	23	18	120	54	188	210	259	24	3.0	5.0
17	9.4	12	24	19	122	50	176	213	264	14	3.0	5.2
18	9.4	12	26	19	120	48	161	228	259	12	3.0	5.2
19	9.4	12	26	15	128	48	149	240	268	11	3.0	5.8
20	8.8	13	26	12	178	53	148	259	296	10	3.0	6.7
21	9.1	13	24	14	359	64	142	274	305	8.2	3.0	7.9
22	9.1	14	24	15	205	77	135	282	266	7.3	3.0	7.0
23	9.1	13	20	16	154	88	129	307	246	5.5	2.8	7.9
24	9.1	13	14	15	165	88	126	335	228	5.2	3.0	7.6
25	9.4	13	12	14	159	77	120	322	208	6.0	2.8	7.9
26	9.4	15	14	14	148	73	122	298	186	5.8	3.0	7.9
27	9.4	20	16	14	133	80	140	278	171	5.8	3.0	7.3
28	9.8	21	20	14	120	123	149	259	155	6.0	3.0	6.7
29	9.4	21	21	15	---	140	162	244	149	9.8	3.0	6.4
30	7.0	18	22	16	---	133	186	235	138	8.5	3.0	6.4
31	7.0	---	22	25	---	119	---	226	---	7.6	3.3	---
TOTAL	245.5	389.3	680	509.0	31283	2423	4479	7764	6720	980.7	107.6	163.5
MEAN	7.92	13.0	21.9	16.4	1117	78.2	149	250	224	31.6	3.47	5.45
MAX	10	21	29	25	6400	140	221	335	305	126	6.0	7.9
MIN	4.7	7.0	12	6.0	120	48	76	204	138	5.2	2.8	3.3
AC-FT	487	772	1350	1010	62050	4810	8880	15400	13330	1950	213	324

CAL YR 1962 TOTAL 76863.8 MEAN 211 MAX 4360 MIN 2.4 AC-FT 152500
WTR YR 1963 TOTAL 55744.6 MEAN 153 MAX 6400 MIN 2.8 AC-FT 110600

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	5.7	6.8	14	23	36	228	524	470	74	12	3.8
2	3.4	5.2	6.8	14	23	37	387	467	442	65	11	3.6
3	3.4	4.9	6.8	14	24	35	595	416	429	56	10	3.6
4	3.6	5.2	6.6	15	24	33	853	390	416	50	9.0	3.6
5	3.4	4.9	6.8	16	24	34	1430	375	392	44	9.5	3.8
6	3.1	4.6	6.3	18	24	34	1980	368	364	39	8.5	3.8
7	3.1	4.4	4.5	26	24	37	2980	366	326	33	8.0	3.6
8	3.4	4.4	4.0	38	24	40	2720	371	300	31	7.0	3.6
9	3.8	4.4	3.8	42	26	38	3220	371	272	29	6.5	3.6
10	3.8	4.4	3.8	26	30	35	4360	362	261	25	6.0	3.6
11	4.4	4.1	3.9	19	70	32	4090	344	249	24	5.5	3.6
12	4.9	4.1	4.3	18	330	27	3590	324	242	20	5.0	3.4
13	4.9	4.1	4.6	18	598	28	3180	298	235	20	4.5	3.1
14	4.6	4.1	5.0	17	284	29	2570	282	218	21	4.0	3.1
15	4.6	4.4	5.4	20	213	30	2230	324	240	18	3.8	3.1
16	4.4	4.6	5.6	20	152	30	1900	302	233	18	3.7	3.1
17	4.6	4.4	7.2	20	118	31	1540	286	240	17	3.6	2.8
18	4.4	4.4	7.8	20	95	34	1260	270	216	17	3.5	2.8
19	4.1	4.6	9.2	19	85	38	1160	296	200	17	3.4	2.4
20	4.4	5.2	11	18	76	41	1110	446	198	16	3.3	2.4
21	5.4	5.2	13	17	70	41	1020	598	187	15	3.3	2.4
22	5.4	6.0	14	17	69	42	861	518	181	14	3.5	2.4
23	5.7	8.4	14	17	66	38	747	429	172	13	3.6	2.4
24	5.4	8.4	14	19	56	36	656	583	158	12	3.6	2.4
25	5.4	7.4	13	20	45	38	622	798	141	12	3.6	2.8
26	5.4	7.1	13	21	35	46	592	838	135	13	3.6	2.8
27	6.6	7.4	12	21	26	58	549	675	124	12	3.6	3.4
28	6.8	7.4	14	22	30	66	672	659	109	12	3.6	3.6
29	6.3	7.4	14	22	---	102	777	613	95	11	3.6	4.4
30	5.7	7.1	14	23	---	137	598	557	83	11	3.8	4.6
31	5.4	---	14	23	---	164	---	513	---	12	3.8	---
TOTAL	142.9	163.9	269.2	634	2664	1447	48477	13963	7328	771	167.4	97.6
MEAN	4.61	5.46	8.68	20.5	95.1	46.7	1616	450	244	24.9	5.40	3.25
MAX	6.8	8.4	14	42	598	164	4360	838	470	74	12	4.6
MIN	3.1	4.1	3.8	14	23	27	228	270	83	11	3.3	2.4
AC-FT	283	325	534	1260	5280	2870	96150	27700	14540	1530	332	194

CAL YR 1961 TOTAL 16090.7 MEAN 44.1 MAX 712 MIN 1.3 AC-FT 31920
WTR YR 1962 TOTAL 76125.0 MEAN 209 MAX 4360 MIN 2.4 AC-FT 151000

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	4.6	11	8.5	14	33	543	52	18	2.6	1.6	2.1
2	3.8	4.9	10	8.0	13	33	682	52	19	2.1	1.6	2.1
3	3.8	4.9	9.6	7.0	13	31	712	52	21	1.9	1.6	2.1
4	3.8	5.4	9.7	7.0	13	29	655	54	28	2.6	1.5	2.1
5	3.8	6.0	9.0	7.0	12	28	526	52	25	3.1	1.5	1.9
6	3.8	6.0	8.0	8.0	13	27	428	52	28	2.6	1.6	1.9
7	4.1	6.3	8.0	8.5	15	25	350	50	25	2.4	1.8	1.9
8	4.4	6.6	8.5	9.0	25	23	274	48	24	2.1	1.8	2.1
9	4.6	6.3	9.0	9.0	38	25	236	43	24	1.9	1.8	3.1
10	4.6	6.3	9.0	9.5	55	26	203	33	21	1.8	1.8	3.1
11	4.9	7.1	9.0	9.5	85	25	164	29	16	1.8	1.8	5.2
12	5.2	8.0	9.0	10	154	24	146	28	15	1.6	2.4	4.6
13	5.2	9.0	9.0	10	101	45	139	27	14	1.8	2.4	3.8
14	4.9	8.7	9.5	10	67	115	126	27	12	1.8	2.4	3.6
15	4.9	8.0	9.5	10	60	209	114	26	11	1.6	2.4	3.4
16	4.6	8.0	9.5	10	58	338	102	24	10	1.6	2.4	3.8
17	4.6	7.7	9.5	10	46	318	99	21	9.0	1.5	2.1	3.8
18	4.6	9.0	11	10	39	309	118	20	7.7	1.5	2.1	3.4
19	4.6	9.0	12	10	32	328	140	17	7.1	1.5	1.9	3.6
20	4.6	8.7	12	9.5	48	316	140	16	6.3	1.3	1.9	3.6
21	4.6	8.4	11	10	117	240	119	14	4.9	1.3	1.9	3.6
22	4.6	8.0	12	10	169	254	101	13	4.1	1.6	1.8	3.4
23	4.6	8.0	11	10	91	302	92	14	3.6	1.6	1.8	2.6
24	4.9	11	11	10	55	268	87	12	3.4	1.5	1.9	3.4
25	4.6	11	11	10	50	295	82	11	3.6	1.6	1.9	3.1
26	4.6	10	10	10	41	328	80	12	3.4	1.6	1.9	3.1
27	4.4	9.6	10	8.0	36	304	73	9.0	3.6	1.8	1.9	3.1
28	4.6	8.4	9.0	8.0	32	297	70	12	3.4	1.6	1.8	3.1
29	4.9	8.0	8.0	8.8	---	272	67	18	2.6	1.6	1.9	3.1
30	4.9	9.6	8.0	11	---	302	51	22	2.4	1.6	1.9	3.1
31	4.6	---	8.0	14	---	379	---	21	---	1.6	1.9	---
TOTAL	139.9	232.5	300.8	290.3	1492	5548	6719	881.0	376.1	56.5	59.0	92.8
MEAN	4.51	7.75	9.70	9.36	53.3	179	224	28.4	12.5	1.82	1.90	3.09
MAX	5.2	11	12	14	169	379	712	54	28	3.1	2.4	5.2
MIN	3.8	4.6	8.0	7.0	12	23	51	9.0	2.4	1.3	1.5	1.9
AC-FT	277	461	597	576	2960	11000	13330	1750	746	112	117	184

CAL YR 1960 TOTAL 46705.2 MEAN 128 MAX 4770 MIN 2.4 AC-FT 92640
WTR YR 1961 TOTAL 16187.9 MEAN 44.4 MAX 712 MIN 1.3 AC-FT 32110

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1959 TO SEPTEMBER 1960
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.6	12	12	25	20	232	333	88	10	2.8	2.8
2	9.2	10	12	11	26	21	277	318	82	8.7	3.1	2.8
3	8.4	10	12	11	25	22	343	323	82	7.1	3.1	3.1
4	8.4	10	10	11	24	23	543	338	83	7.4	2.8	3.1
5	8.4	10	9.0	12	24	25	824	328	74	8.0	2.8	3.1
6	8.1	9.2	10	14	25	30	1090	321	67	7.7	2.6	3.1
7	8.4	9.2	12	15	40	35	1620	311	65	8.4	2.6	3.1
8	8.4	9.6	12	16	50	40	1950	311	63	8.0	2.6	3.1
9	10	10	12	15	55	36	3460	314	62	7.4	2.8	3.1
10	9.6	10	12	15	52	32	4770	316	63	6.6	2.8	2.8
11	10	10	12	14	50	30	4150	333	58	6.3	2.6	2.8
12	10	9.6	12	13	45	28	2820	376	42	6.6	2.4	3.1
13	9.6	9.6	12	12	40	27	1930	392	36	6.0	2.4	3.1
14	9.2	8.8	12	11	35	26	1460	371	31	5.7	2.4	3.1
15	9.2	9.2	13	10	32	25	1070	321	27	4.9	2.4	3.4
16	8.8	9.4	12	9.0	30	25	882	286	24	4.4	2.6	3.6
17	8.8	9.0	12	8.5	28	25	736	259	18	4.1	2.6	3.6
18	8.8	9.2	12	8.5	26	25	646	238	16	4.1	2.6	3.4
19	9.2	9.4	12	9.0	25	26	601	214	14	4.1	2.6	3.4
20	9.2	9.6	12	10	24	27	532	188	11	4.6	2.6	3.4
21	8.8	11	12	12	24	28	503	172	11	4.4	2.6	3.6
22	9.6	11	13	15	22	32	549	161	10	4.1	3.1	3.6
23	9.2	13	15	20	21	39	560	150	10	4.1	3.1	3.6
24	9.2	13	16	20	22	44	532	144	12	4.1	3.1	3.6
25	9.2	12	17	20	22	50	433	134	12	4.1	3.1	3.6
26	8.8	11	16	21	22	62	384	126	10	3.6	3.1	3.8
27	9.2	10	15	23	21	74	340	98	10	3.1	3.1	3.8
28	10	11	15	24	20	96	318	95	10	3.1	2.8	3.8
29	10	12	14	25	20	100	395	90	9.6	3.1	2.8	4.4
30	10	12	14	25	---	124	376	84	9.3	3.1	2.6	4.4
31	9.6	---	13	25	---	173	---	83	---	2.8	2.6	---
TOTAL	285.3	307.4	394.0	467.0	875	1370	34326	7528	1109.9	169.7	85.2	101.2
MEAN	9.20	10.2	12.7	15.1	30.2	44.2	1144	243	37.0	5.47	2.75	3.37
MAX	10	13	17	25	55	173	4770	392	88	10	3.1	4.4
MIN	8.1	8.8	9.0	8.5	20	20	232	83	9.3	2.8	2.4	2.8
AC-FT	566	610	781	926	1740	2720	68090	14930	2200	337	169	201

CAL YR 1959 TOTAL 26200.0 MEAN 71.8 MAX 1090 MIN 1.4 AC-FT 51970
WTR YR 1960 TOTAL 47018.7 MEAN 128 MAX 4770 MIN 2.4 AC-FT 93260

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1958 TO SEPTEMBER 1959
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	11	16	25	28	33	290	219	44	12	2.5	4.2
2	9.2	11	16	21	21	35	400	270	41	12	3.5	4.2
3	9.2	10	18	12	24	34	600	288	37	11	7.4	4.2
4	9.2	11	22	13	30	32	700	261	30	10	4.7	4.2
5	9.2	11	20	15	23	30	800	232	26	9.6	4.0	4.2
6	9.0	11	22	16	26	28	961	219	23	8.8	3.3	4.5
7	8.7	12	24	17	26	32	1080	199	20	7.8	2.6	5.0
8	9.0	12	26	16	24	31	1090	176	17	6.8	1.8	4.7
9	9.0	12	26	17	21	33	950	162	19	5.5	1.7	4.2
10	9.5	12	25	18	24	28	796	154	24	4.5	1.5	4.2
11	9.8	12	30	18	23	29	712	148	22	4.0	1.4	4.5
12	9.8	11	39	20	23	30	703	137	21	3.8	1.4	4.5
13	9.8	12	38	34	19	39	652	128	22	3.3	1.4	4.7
14	10	13	38	31	20	30	632	123	16	3.4	1.4	96
15	9.8	12	32	23	24	36	655	101	19	3.3	1.7	33
16	9.8	12	30	26	28	36	600	128	21	3.0	1.7	10
17	10	9.5	30	25	31	51	533	131	24	3.3	1.7	8.4
18	10	11	27	23	32	75	388	126	22	3.0	1.8	7.1
19	11	14	30	21	36	77	323	116	18	2.8	2.2	9.2
20	11	16	30	18	35	80	313	106	15	2.8	2.5	12
21	11	16	31	15	33	86	255	106	15	2.8	2.5	9.6
22	11	16	33	20	33	90	225	94	15	2.6	4.0	7.8
23	11	16	33	21	33	140	215	91	12	2.6	4.5	7.4
24	11	16	32	37	33	160	219	92	11	2.6	4.2	6.8
25	11	18	31	41	31	190	221	83	11	2.5	4.7	6.8
26	11	17	27	38	31	235	230	76	12	2.5	4.5	12
27	11	18	27	35	30	225	223	70	12	2.6	4.5	11
28	11	17	24	37	30	230	209	65	11	2.5	4.5	8.8
29	11	17	22	34	---	235	195	58	11	2.5	4.2	8.8
30	11	16	25	29	---	250	188	53	12	2.3	4.2	9.6
31	11	---	24	31	---	265	---	50	---	2.3	4.2	---
TOTAL	312.7	402.5	848	747	772	2905	15358	4262	603	148.5	96.2	321.6
MEAN	10.1	13.4	27.4	24.1	27.6	93.7	512	137	20.1	4.79	3.10	10.7
MAX	11	18	39	41	36	265	1090	288	44	12	7.4	96
MIN	8.7	9.5	16	12	19	28	188	50	11	2.3	1.4	4.2
AC-FT	620	798	1680	1480	1530	5760	30460	8450	1200	295	191	638

CAL YR 1958 TOTAL 82066.6 MEAN 225 MAX 3340 MIN 3.9 AC-FT 162800
WTR YR 1959 TOTAL 26776.5 MEAN 73.4 MAX 1090 MIN 1.4 AC-FT 53110

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1957 TO SEPTEMBER 1958
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	10	12	13	21	60	292	690	480	72	9.2	4.6
2	5.0	10	13	14	22	55	359	760	448	69	8.7	4.6
3	5.5	11	13	15	23	40	396	842	429	74	8.7	4.4
4	5.3	11	14	15	25	35	335	930	401	62	8.2	4.8
5	5.9	11	14	16	24	40	275	994	359	56	6.8	5.0
6	6.1	11	14	17	24	50	305	1040	320	50	6.8	5.0
7	6.4	12	13	17	24	63	377	1050	288	48	6.1	5.0
8	6.6	11	13	18	24	67	477	990	275	41	5.7	5.7
9	6.6	11	13	19	24	52	652	922	256	36	5.5	5.7
10	6.4	11	12	20	25	47	781	922	233	31	5.0	5.7
11	6.4	11	12	20	26	38	866	926	229	28	4.8	5.9
12	6.1	11	12	20	26	42	1170	1060	300	31	4.6	5.9
13	6.6	12	13	21	27	51	1500	1150	379	24	4.3	6.1
14	7.1	14	16	21	28	56	1870	1110	401	20	4.1	6.4
15	7.6	13	20	22	28	53	2530	910	351	19	4.1	6.6
16	6.8	11	22	22	29	48	3340	870	285	17	3.9	6.8
17	7.1	10	19	23	30	50	2920	854	249	16	3.9	6.8
18	7.9	11	17	23	30	45	2890	838	231	16	4.1	7.1
19	8.4	12	16	22	31	47	2810	838	222	15	4.1	7.1
20	9.2	11	16	22	34	51	2730	838	213	14	4.1	6.8
21	9.5	11	16	22	37	68	2650	842	201	13	3.9	8.2
22	10	11	15	21	39	82	2290	842	178	11	4.3	8.4
23	9.8	11	11	20	42	108	2030	830	154	9.8	4.3	8.4
24	9.8	12	12	20	46	132	1600	802	138	9.8	3.9	8.4
25	9.5	12	15	21	70	156	1300	770	130	9.2	4.3	8.7
26	9.5	11	16	21	57	156	1050	732	120	9.2	4.4	9.0
27	11	11	15	22	53	180	890	680	109	9.8	4.4	9.0
28	12	10	14	23	49	195	820	638	94	9.0	4.3	9.2
29	11	10	13	23	---	261	718	596	89	9.5	4.6	8.7
30	11	12	12	23	---	310	655	555	82	9.5	4.4	8.7
31	10	---	12	22	---	261	---	513	---	11	4.4	---
TOTAL	245.1	336	445	618	918	2899	40878	26334	7644	849.8	159.9	202.7
MEAN	7.91	11.2	14.4	19.9	32.8	93.5	1363	849	255	27.4	5.16	6.76
MAX	12	14	22	23	70	310	3340	1150	480	74	9.2	9.2
MIN	5.0	10	11	13	21	35	275	513	82	9.0	3.9	4.4
AC-FT	486	666	883	1230	1820	5750	81080	52230	15160	1690	317	402

CAL YR 1957 TOTAL 82845.4 MEAN 227 MAX 2250 MIN 3.2 AC-FT 164300
WTR YR 1958 TOTAL 81529.5 MEAN 223 MAX 3340 MIN 3.9 AC-FT 161700

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1956 TO SEPTEMBER 1957
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	15	20	21	17	820	1930	364	501	42	9.8	3.9
2	4.4	12	20	21	17	820	1450	396	462	40	8.4	3.9
3	4.4	12	21	21	17	1000	1430	409	437	38	7.9	3.8
4	4.4	13	21	20	17	1610	1420	401	420	35	7.1	3.9
5	4.8	12	21	19	17	1370	1350	369	412	35	6.1	4.1
6	5.3	14	21	18	17	1040	1500	353	406	28	6.1	3.9
7	5.0	14	18	18	17	1010	1460	361	382	23	6.4	3.8
8	5.0	14	17	18	17	1130	1210	379	346	21	7.1	3.8
9	5.3	14	19	18	17	1120	1100	412	300	19	7.1	3.8
10	5.7	14	22	18	15	870	830	443	285	18	6.1	3.9
11	9.5	15	30	19	16	732	746	504	247	17	5.5	3.9
12	14	15	55	20	18	760	708	596	213	16	5.0	3.9
13	12	17	326	20	20	546	686	599	182	15	4.4	3.9
14	11	16	242	19	23	379	669	567	168	17	4.1	3.9
15	10	14	213	18	20	401	564	558	154	16	4.1	4.1
16	10	14	161	17	19	431	552	576	148	15	3.9	4.1
17	10	18	104	17	18	465	468	537	135	11	3.8	4.3
18	11	16	70	17	17	495	417	558	105	10	3.8	4.3
19	10	13	50	17	17	567	437	982	101	8.7	3.4	4.3
20	10	12	40	20	18	697	431	1080	89	12	3.4	4.3
21	9.8	12	35	19	30	806	412	966	82	12	3.4	4.1
22	9.8	13	30	18	150	704	398	806	78	10	3.4	4.1
23	10	14	28	17	500	599	398	736	71	9.8	3.4	4.1
24	10	14	26	16	800	534	385	718	62	9.5	3.2	4.1
25	11	14	25	16	1600	638	359	655	56	8.7	3.4	4.1
26	13	16	23	16	1400	784	320	549	46	8.7	3.4	4.4
27	17	16	22	16	1000	910	292	483	42	9.0	3.4	4.4
28	16	19	21	16	900	1070	282	448	42	9.8	3.4	4.6
29	12	19	20	16	---	1290	292	440	42	9.0	3.6	4.8
30	14	20	19	16	---	1700	328	522	42	8.2	3.8	4.8
31	16	---	20	16	---	2250	---	516	---	9.8	3.9	---
TOTAL	294.8	441	1760	558	6734	27548	22824	17283	6056	541.2	151.8	123.3
MEAN	9.51	14.7	56.8	18.0	240	889	761	558	202	17.5	4.90	4.11
MAX	17	20	326	21	1600	2250	1930	1080	501	42	9.8	4.8
MIN	4.4	12	17	16	15	379	282	353	42	8.2	3.2	3.8
AC-FT	585	875	3490	1110	13360	54640	45270	34280	12010	1070	301	245

CAL YR 1956 TOTAL 103069.7 MEAN 282 MAX 4080 MIN 3.1 AC-FT 204400
WTR YR 1957 TOTAL 84315.1 MEAN 231 MAX 2250 MIN 3.2 AC-FT 167200

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1955 TO SEPTEMBER 1956
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	4.5	11	110	50	70	1110	795	507	32	7.9	3.4
2	3.5	5.2	9.7	105	50	70	1220	725	477	31	7.6	3.6
3	3.5	5.6	7.5	100	55	70	1440	686	454	30	7.9	3.4
4	3.5	5.6	6.0	100	65	70	1850	676	440	29	7.1	3.4
5	4.0	5.6	5.5	95	70	60	2500	655	406	27	6.6	3.4
6	4.0	5.6	8.0	90	70	65	2350	644	379	28	6.1	3.6
7	4.0	5.6	9.0	90	65	70	2870	620	340	27	5.9	3.6
8	4.0	5.6	8.0	90	70	60	2600	624	292	24	5.9	3.6
9	4.0	6.0	8.0	85	70	60	2960	630	235	21	5.7	3.6
10	4.0	6.7	8.0	94	70	55	3520	672	240	16	5.5	3.8
11	8.0	7.3	9.0	92	70	60	4080	630	218	15	5.3	4.1
12	7.0	7.1	10	97	75	70	4040	585	199	12	5.0	4.1
13	6.0	6.2	9.5	106	70	60	3720	540	174	12	4.8	4.1
14	5.0	5.0	9.0	112	70	55	3410	477	148	9.5	4.6	4.1
15	4.5	4.0	8.0	114	65	60	3290	434	128	8.2	4.4	3.9
16	4.0	4.5	10	143	60	65	3060	412	120	7.9	4.4	3.9
17	4.0	5.5	11	163	65	70	2760	409	106	7.3	4.3	3.9
18	4.0	7.0	11	135	65	80	2290	434	91	7.3	4.1	3.8
19	4.0	10	12	120	70	87	1910	474	77	7.6	3.9	3.8
20	4.0	16	15	120	74	96	1700	519	70	7.3	3.8	3.9
21	5.0	23	18	110	71	103	1600	546	68	42	3.8	4.1
22	5.0	15	89	105	71	113	1540	561	63	16	3.8	3.9
23	5.0	11	318	105	72	137	1480	596	63	7.9	3.6	3.9
24	4.1	11	311	90	70	174	1380	683	63	6.6	3.2	4.1
25	4.7	9.7	232	75	65	259	1260	683	58	9.0	3.1	4.1
26	4.5	10	200	80	65	356	1180	652	54	9.8	3.4	4.1
27	4.1	11	180	90	65	396	1110	627	46	7.9	3.6	4.3
28	6.0	11	150	80	70	465	1090	599	41	6.8	3.4	4.3
29	5.2	11	130	65	70	610	962	602	35	8.2	3.4	4.3
30	4.9	11	125	60	---	764	894	579	32	7.3	3.4	4.4
31	4.5	---	120	55	---	970	---	537	---	7.9	3.4	---
TOTAL	141.5	252.3	2058.2	3076	1938	5700	65176	18306	5624	488.5	148.9	116.5
MEAN	4.56	8.41	66.4	99.2	66.8	184	2173	591	187	15.8	4.80	3.88
MAX	8.0	23	318	163	75	970	4080	795	507	42	7.9	4.4
MIN	3.5	4.0	5.5	55	50	55	894	409	32	6.6	3.1	3.4
AC-FT	281	500	4080	6100	3840	11310	129300	36310	11160	969	295	231

CAL YR 1955 TOTAL 20013.3 MEAN 54.8 MAX 504 MIN 2.7 AC-FT 39700
WTR YR 1956 TOTAL 103025.9 MEAN 281 MAX 4080 MIN 3.1 AC-FT 204400

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1954 TO SEPTEMBER 1955
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	9.1	10	13	14	14	51	234	153	12	4.1	2.8
2	4.2	8.9	10	13	14	14	53	240	148	13	3.8	2.8
3	4.2	8.9	10	14	13	14	40	242	130	18	4.7	2.8
4	4.4	9.1	11	12	13	13	45	228	116	20	4.5	2.8
5	4.4	9.1	11	12	13	13	50	212	106	22	4.3	3.0
6	4.2	9.1	11	13	13	14	60	206	100	26	4.1	2.8
7	4.4	9.6	11	13	14	15	75	220	89	25	4.0	2.8
8	4.4	9.3	10	13	14	17	100	232	103	20	4.1	2.8
9	4.6	9.8	9.3	12	14	19	140	236	101	16	3.8	2.8
10	4.6	9.6	12	12	13	22	180	232	101	14	3.6	2.8
11	4.6	9.6	12	13	13	24	250	220	91	13	3.6	2.8
12	4.7	12	12	13	13	25	372	206	80	12	3.4	2.8
13	4.9	13	13	13	13	24	504	198	83	9.2	3.4	2.8
14	5.8	13	12	13	14	22	489	194	92	9.4	3.3	2.8
15	6.0	13	12	14	14	21	394	236	106	8.0	3.3	2.8
16	5.6	19	11	14	14	20	298	253	108	7.7	3.3	2.8
17	6.2	15	10	14	14	22	236	282	88	6.4	3.0	2.8
18	6.0	13	11	14	13	23	212	307	72	6.0	2.7	3.0
19	5.4	12	11	14	12	23	218	289	58	5.2	2.7	3.2
20	6.0	12	11	14	12	23	236	255	50	5.0	2.7	3.2
21	6.3	11	12	14	13	23	220	240	43	5.0	2.7	3.0
22	6.5	11	12	14	14	23	220	244	36	4.7	2.7	3.0
23	6.5	11	13	14	15	23	210	251	30	4.5	3.0	3.1
24	6.9	11	13	14	15	24	204	244	23	4.3	3.0	3.3
25	7.1	11	14	14	15	25	194	238	21	4.0	3.2	3.5
26	7.1	11	12	14	15	27	216	226	21	5.2	3.0	3.8
27	7.5	11	11	13	15	30	255	208	18	6.0	3.0	3.6
28	8.0	10	11	12	14	34	272	186	14	5.2	3.0	3.5
29	8.2	9.3	10	12	---	38	253	168	12	5.6	3.0	3.5
30	9.1	10	11	13	---	42	238	159	11	5.4	2.8	3.5
31	9.1	---	12	14	---	46	---	157	---	4.9	2.8	---
TOTAL	181.0	330.4	351.3	411	383	717	6285	7043	2204	322.7	104.6	91.0
MEAN	5.84	11.0	11.3	13.3	13.7	23.1	209	227	73.5	10.4	3.37	3.03
MAX	9.1	19	14	14	15	46	504	307	153	26	4.7	3.8
MIN	4.1	8.9	9.3	12	12	13	40	157	11	4.0	2.7	2.8
AC-FT	359	655	697	815	760	1420	12470	13970	4370	640	207	180

CAL YR 1954 TOTAL 42324.4 MEAN 116 MAX 2280 MIN 3.2 AC-FT 83950
WTR YR 1955 TOTAL 18424.0 MEAN 50.5 MAX 504 MIN 2.7 AC-FT 36540

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1953 TO SEPTEMBER 1954
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	9.8	22	24	22	45	337	356	76	78	5.0	3.5
2	5.2	9.8	20	22	24	45	378	330	68	68	5.2	3.5
3	5.0	10	18	23	24	41	481	302	60	58	6.9	3.3
4	5.2	10	18	21	26	39	702	276	54	50	7.1	3.3
5	5.6	10	16	22	26	45	1220	269	50	41	6.0	3.2
6	5.4	11	20	23	28	45	2090	272	50	33	5.4	3.2
7	5.2	11	19	22	27	47	2280	278	49	32	4.4	3.3
8	5.4	11	16	20	27	61	1950	290	45	28	4.9	3.5
9	5.2	11	18	19	28	174	1590	295	46	25	4.9	3.5
10	5.2	11	20	17	29	342	1290	302	57	19	4.7	3.6
11	5.2	11	19	17	31	187	952	313	69	15	4.4	3.5
12	5.4	11	21	16	33	171	788	320	68	15	4.2	3.5
13	6.0	11	22	15	35	151	720	313	64	13	4.2	3.5
14	6.5	11	22	15	34	144	740	292	54	11	4.1	3.5
15	6.9	11	22	16	32	133	752	272	54	17	3.9	3.6
16	8.9	12	24	18	32	157	744	258	61	15	3.8	3.8
17	9.8	12	25	20	32	171	772	253	61	13	3.8	3.6
18	8.4	12	24	18	34	135	876	253	60	13	3.6	3.8
19	8.6	11	24	17	31	151	864	242	57	11	3.6	3.8
20	8.6	11	25	16	33	161	748	218	57	12	3.6	3.9
21	8.9	11	26	16	33	150	636	207	47	11	3.8	4.1
22	8.9	12	24	17	32	150	547	226	40	9.8	3.8	4.1
23	9.1	23	22	19	35	163	496	209	33	8.2	3.8	4.1
24	9.3	17	21	18	36	171	460	179	24	6.9	3.8	4.1
25	9.3	14	21	17	40	165	440	159	18	6.9	3.8	4.1
26	9.6	14	22	17	46	177	418	140	23	6.5	3.8	4.1
27	9.3	15	23	18	45	256	410	124	48	6.0	3.6	4.1
28	9.6	19	23	21	48	349	422	112	82	5.6	3.5	4.2
29	9.6	23	23	23	---	408	410	93	108	5.0	3.5	4.2
30	9.6	23	22	24	---	410	392	80	91	4.7	3.5	4.1
31	9.8	---	23	23	---	347	---	74	---	4.6	3.3	---
TOTAL	229.7	388.6	665	594	903	5191	24905	7307	1674	642.2	133.9	111.6
MEAN	7.41	13.0	21.5	19.2	32.2	167	830	236	55.8	20.7	4.32	3.72
MAX	9.8	23	26	24	48	410	2280	356	108	78	7.1	4.2
MIN	5.0	9.8	16	15	22	39	337	74	18	4.6	3.3	3.2
AC-FT	456	771	1320	1180	1790	10300	49400	14490	3320	1270	266	221

CAL YR 1953 TOTAL 61467.3 MEAN 168 MAX 2310 MIN 4.1 AC-FT 121900
WTR YR 1954 TOTAL 42745.0 MEAN 117 MAX 2280 MIN 3.2 AC-FT 84780

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE 07/29/88

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1952 TO SEPTEMBER 1953
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	21	24	25	71	60	2130	598	292	47	10	4.4
2	8.4	20	26	24	74	57	1890	538	278	42	9.6	4.4
3	8.2	20	27	23	80	44	1830	448	276	46	9.6	5.0
4	7.8	20	27	23	90	50	1950	405	278	42	9.3	4.6
5	7.6	22	26	26	93	54	2140	378	276	38	8.6	4.4
6	7.8	24	26	25	89	53	2210	366	278	36	8.2	4.4
7	7.8	24	26	25	93	60	1840	366	318	35	7.3	4.2
8	8.0	24	26	27	98	65	1260	366	325	33	7.1	4.1
9	9.2	24	25	32	91	71	856	349	325	33	7.1	4.2
10	8.8	22	25	37	60	81	732	323	288	32	8.2	4.2
11	8.4	23	26	35	50	89	685	297	258	30	8.6	4.2
12	8.6	26	26	38	60	97	643	274	246	30	9.1	4.4
13	9.2	28	25	44	65	104	568	256	262	30	11	4.6
14	10	30	25	44	70	95	499	244	274	29	9.8	4.4
15	15	32	25	39	65	122	438	235	267	26	7.8	4.4
16	16	34	25	39	64	133	415	218	244	31	6.5	4.6
17	16	34	26	39	60	122	388	237	226	38	5.8	4.7
18	16	31	26	46	60	126	392	249	207	34	5.4	4.7
19	16	29	26	53	58	140	425	262	215	27	4.9	4.9
20	16	30	26	52	56	146	442	274	185	22	4.7	4.9
21	16	30	25	50	60	150	550	285	161	17	4.6	4.7
22	16	21	25	51	60	150	678	269	151	14	4.4	4.7
23	16	22	23	50	60	167	710	253	112	11	4.4	5.6
24	16	23	18	49	60	233	664	240	111	12	4.2	5.0
25	16	22	20	56	64	351	618	222	95	11	4.2	4.6
26	17	21	22	57	70	544	568	204	87	9.3	4.2	4.4
27	17	21	25	55	75	1010	544	190	75	8.6	4.2	4.6
28	17	21	27	55	75	1530	650	200	68	10	4.2	4.6
29	18	22	26	60	---	1520	764	292	60	11	4.2	4.9
30	18	23	26	65	---	1980	688	368	57	15	4.7	5.2
31	20	---	25	69	---	2310	---	361	---	12	5.2	---
TOTAL	400.0	744	776	1313	1971	11714	28167	9567	6295	811.9	207.1	138.0
MEAN	12.9	24.8	25.0	42.4	70.4	378	939	309	210	26.2	6.68	4.60
MAX	20	34	27	69	98	2310	2210	598	325	47	11	5.6
MIN	7.6	20	18	23	50	44	388	190	57	8.6	4.2	4.1
AC-FT	793	1480	1540	2600	3910	23230	55870	18980	12490	1610	411	274

CAL YR 1952 TOTAL 159857.6 MEAN 437 MAX 3700 MIN 7.6 AC-FT 317100
WTR YR 1953 TOTAL 62104.0 MEAN 170 MAX 2310 MIN 4.1 AC-FT 123200

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1951 TO SEPTEMBER 1952
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	14	44	25	25	23	50	2780	600	207	24	12
2	8.4	15	47	25	25	23	53	2560	565	189	32	9.4
3	14	17	30	25	25	23	57	2510	541	170	30	9.2
4	13	18	30	25	25	23	68	2690	517	141	24	9.6
5	14	18	30	25	25	23	81	2620	505	133	21	10
6	13	18	30	25	25	23	109	2280	529	120	17	9.0
7	12	20	30	25	24	23	145	2000	505	109	14	9.6
8	12	20	30	25	24	23	174	1950	476	100	13	11
9	11	20	30	25	24	23	244	1930	436	81	14	11
10	11	20	30	25	24	23	341	1820	400	72	14	11
11	12	23	30	25	24	23	456	1710	360	64	15	11
12	12	32	30	25	24	23	609	1500	325	64	16	11
13	12	28	30	25	24	23	1030	1350	298	134	14	12
14	12	30	30	25	24	23	2050	1400	266	129	13	12
15	12	25	30	25	24	23	3130	1200	246	123	15	12
16	13	24	25	25	24	23	4380	1100	213	100	18	12
17	13	23	25	25	24	23	5000	1000	189	79	17	11
18	13	23	25	25	24	23	5540	950	162	71	16	11
19	14	23	25	25	24	23	7330	900	143	67	17	11
20	14	23	25	25	24	23	8700	880	128	61	15	11
21	14	25	25	25	24	23	6800	860	126	56	14	11
22	15	23	25	25	24	23	7070	850	123	42	14	11
23	17	22	25	25	24	25	6530	838	117	41	14	11
24	22	22	25	25	24	30	6580	810	117	37	14	11
25	20	21	25	25	24	35	6910	796	131	37	13	10
26	18	23	25	25	24	40	6660	786	204	38	13	9.8
27	17	25	25	25	24	42	6080	764	199	39	12	8.6
28	16	27	25	25	24	45	5230	740	244	38	12	8.2
29	16	30	25	25	24	49	4460	708	257	38	13	8.2
30	15	37	25	25	---	52	3500	674	244	33	12	8.0
31	15	---	25	25	---	51	---	641	---	28	12	---
TOTAL	425.4	689	881	775	702	875	99367	43597	9166	2641	502	312.6
MEAN	13.7	23.0	28.4	25.0	24.2	28.2	3312	1406	306	85.2	16.2	10.4
MAX	22	37	47	25	25	52	8700	2780	600	207	32	12
MIN	5.0	14	25	25	24	23	50	641	117	28	12	8.0
AC-FT	844	1370	1750	1540	1390	1740	197100	86470	18180	5240	996	620

CAL YR 1951 TOTAL 89740.7 MEAN 246 MAX 6150 MIN 4.4 AC-FT 178000
WTR YR 1952 TOTAL 159933.0 MEAN 437 MAX 8700 MIN 5.0 AC-FT 317200

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1950 TO SEPTEMBER 1951
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	20	44	25	25	35	370	1580	360	61	8.7	7.8
2	12	20	37	25	25	35	439	1170	323	55	8.4	7.5
3	11	19	42	25	25	35	622	880	288	53	14	7.2
4	9.8	18	39	25	25	35	947	726	262	53	59	6.9
5	11	18	35	25	70	35	1740	612	246	55	49	6.6
6	11	17	38	25	70	35	3850	622	239	53	32	6.3
7	11	17	42	25	70	35	5260	733	228	47	28	5.8
8	11	17	42	25	70	35	5640	820	207	45	25	5.4
9	10	16	38	25	70	35	6150	856	189	46	20	5.0
10	10	14	38	25	70	35	5740	778	172	41	15	4.8
11	10	15	35	25	70	35	3660	772	152	36	15	4.6
12	10	17	35	25	70	35	2620	782	146	30	11	4.6
13	9.8	20	35	25	70	35	2080	754	128	25	9.4	4.6
14	9.8	20	35	25	70	35	1700	705	146	23	8.1	4.8
15	9.8	21	35	25	70	35	1440	641	146	26	7.8	4.6
16	11	20	35	25	35	35	1300	580	141	28	8.7	4.6
17	11	22	35	25	35	35	1220	547	143	25	9.0	4.6
18	10	32	35	25	35	35	1110	529	136	21	8.4	4.6
19	10	38	35	25	35	35	1010	526	133	21	7.5	4.6
20	10	42	35	25	35	35	926	517	126	18	7.2	4.4
21	10	53	35	25	35	35	856	497	120	16	6.3	4.4
22	10	50	35	25	35	35	789	479	118	17	6.3	4.4
23	11	52	35	25	35	35	730	470	114	15	22	4.4
24	11	47	35	25	35	50	688	465	108	15	14	4.6
25	11	43	35	25	35	80	670	453	100	14	11	4.8
26	14	40	35	25	35	106	660	434	94	11	9.4	4.8
27	15	39	35	25	35	148	612	417	82	10	8.4	4.8
28	19	38	35	25	35	197	814	422	72	11	7.8	4.6
29	25	38	35	25	---	283	1420	428	65	10	7.8	4.8
30	24	42	35	25	---	328	1880	414	62	11	7.8	4.8
31	21	---	35	25	---	349	---	384	---	9.8	7.8	---
TOTAL	380.2	865	1130	775	1325	2346	56943	19993	4846	901.8	459.8	155.7
MEAN	12.3	28.8	36.5	25.0	47.3	75.7	1898	645	162	29.1	14.8	5.19
MAX	25	53	44	25	70	349	6150	1580	360	61	59	7.8
MIN	9.8	14	35	25	25	35	370	384	62	9.8	6.3	4.4
AC-FT	754	1720	2240	1540	2630	4650	112900	39660	9610	1790	912	309

CAL YR 1950 TOTAL 84577.4 MEAN 232 MAX 5230 MIN 3.7 AC-FT 167800
WTR YR 1951 TOTAL 90120.5 MEAN 247 MAX 6150 MIN 4.4 AC-FT 178800

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1949 TO SEPTEMBER 1950
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	6.3	10	8.0	10	23	108	962	422	87	11	3.8
2	4.0	6.3	9.4	8.0	10	23	197	998	406	86	9.8	3.8
3	4.0	6.3	9.0	8.0	10	24	230	1100	378	84	8.7	3.8
4	4.0	6.6	7.5	8.0	10	27	266	898	351	80	9.0	3.8
5	4.2	6.6	8.7	8.0	10	44	255	758	328	79	19	3.7
6	4.4	6.3	8.4	8.0	14	48	298	651	318	76	31	3.7
7	4.4	6.6	8.4	8.0	14	51	381	587	302	67	32	3.7
8	5.6	7.2	8.7	8.0	14	56	596	514	276	65	25	4.0
9	5.6	11	8.7	8.0	14	59	1030	473	264	61	18	20
10	5.4	15	7.5	8.0	14	60	1220	465	241	58	14	17
11	5.0	12	8.0	8.0	14	61	1490	468	209	55	12	14
12	4.8	9.4	8.0	8.0	14	60	2100	485	195	48	10	12
13	4.6	8.4	8.0	8.0	14	61	3220	526	185	46	9.4	10
14	4.0	8.4	8.0	8.0	14	62	3820	596	176	41	8.7	8.7
15	3.8	8.4	8.0	8.0	14	65	3340	660	164	42	7.8	8.7
16	3.8	8.7	8.0	8.0	14	70	3960	698	157	36	6.9	8.7
17	3.8	8.7	8.0	8.0	14	86	5230	705	153	29	6.0	8.7
18	3.8	9.4	8.0	8.0	14	97	4920	688	152	26	5.4	8.7
19	4.0	8.4	8.0	8.0	14	104	3290	644	152	22	5.0	9.0
20	4.8	8.4	8.0	8.0	14	104	2560	603	146	19	4.8	9.0
21	5.2	8.4	8.0	11	14	120	2180	556	146	17	4.8	8.7
22	5.2	8.1	8.0	19	14	123	1930	544	148	15	4.6	8.4
23	5.2	8.7	8.0	31	15	103	1700	559	152	14	4.2	9.4
24	5.4	12	8.0	28	17	106	1580	568	155	11	4.0	9.4
25	5.4	12	8.0	25	20	104	1340	553	153	8.7	4.0	8.7
26	5.6	10	8.0	15	22	87	1090	526	145	7.2	4.4	8.4
27	5.8	10	8.0	15	22	87	978	497	133	8.7	4.2	8.4
28	5.8	14	8.0	15	22	76	873	473	114	6.3	4.0	8.7
29	5.8	13	8.0	15	---	75	918	450	103	5.8	4.0	9.0
30	5.8	11	8.0	15	---	81	932	439	94	6.6	4.0	9.8
31	6.0	---	8.0	15	---	89	---	434	---	7.5	4.0	---
TOTAL	149.2	275.6	254.3	364.0	406	2236	52032	19078	6318	1214.6	299.7	253.7
MEAN	4.81	9.19	8.20	11.7	14.5	72.1	1734	615	211	39.2	9.67	8.46
MAX	6.0	15	10	31	22	123	5230	1100	422	87	32	20
MIN	3.8	6.3	7.5	8.0	10	23	108	434	94	5.8	4.0	3.7
AC-FT	296	547	504	722	805	4440	103200	37840	12530	2410	594	503

CAL YR 1949 TOTAL 51422.4 MEAN 141 MAX 3250 MIN 2.6 AC-FT 102000
WTR YR 1950 TOTAL 82881.3 MEAN 227 MAX 5230 MIN 3.7 AC-FT 164400

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1948 TO SEPTEMBER 1949
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	7.8	10	10	10	16	200	459	187	16	3.2	2.8
2	4.0	17	10	10	10	16	300	425	179	14	3.2	2.6
3	4.0	18	10	10	10	17	450	397	168	13	3.0	2.6
4	4.2	14	10	10	10	17	500	376	153	11	3.2	2.8
5	4.6	11	10	10	10	17	600	346	129	11	3.2	2.6
6	4.8	9.8	10	10	10	17	650	323	118	12	3.0	2.8
7	4.8	9.0	10	10	10	17	900	310	109	11	3.0	3.0
8	4.8	8.1	10	10	10	18	1200	295	102	9.8	2.8	2.8
9	4.8	8.1	10	10	10	18	1600	285	96	8.4	3.0	2.8
10	4.6	8.4	10	10	10	18	2100	271	85	6.3	3.0	2.8
11	5.0	8.4	10	10	10	19	2300	293	80	6.6	3.0	3.0
12	4.6	8.4	10	10	10	19	2600	300	71	6.0	3.0	3.0
13	4.4	8.4	10	10	10	19	3250	300	60	5.2	3.2	3.2
14	4.2	8.4	10	10	10	19	2810	308	56	4.6	3.2	3.2
15	4.4	11	10	10	10	20	2210	310	52	4.2	3.2	3.2
16	4.4	12	10	10	16	25	1890	320	47	4.4	3.2	3.3
17	4.4	11	10	10	16	30	1820	330	45	4.2	3.0	3.3
18	4.4	8.7	10	10	16	35	1550	318	40	4.0	3.0	3.2
19	4.4	8.7	10	10	16	40	1240	330	37	4.0	2.8	3.3
20	4.4	9.8	10	10	16	45	1030	357	32	4.0	2.6	3.5
21	4.2	9.0	10	10	16	55	908	343	29	4.0	2.6	3.3
22	4.4	9.0	10	10	16	80	856	310	23	3.8	2.6	3.5
23	4.2	9.0	10	10	16	110	912	271	22	3.7	2.8	3.5
24	4.0	9.8	10	10	16	130	894	248	20	3.8	2.6	3.5
25	4.0	9.8	10	10	16	140	856	230	18	3.8	3.0	3.5
26	4.2	9.4	10	10	16	140	747	213	18	4.0	2.8	3.5
27	4.0	6.9	10	10	16	140	632	205	18	3.5	2.8	3.7
28	4.6	9.0	10	10	16	140	553	199	17	3.3	2.8	3.8
29	5.4	9.0	10	10	---	140	517	197	17	3.3	2.8	3.8
30	5.2	9.0	10	10	---	150	488	193	16	3.3	2.8	4.0
31	5.6	---	10	10	---	160	---	193	---	3.2	2.6	---
TOTAL	139.0	295.9	310	310	358	1827	36563	9255	2044	199.4	91.0	95.9
MEAN	4.48	9.86	10.0	10.0	12.8	58.9	1219	299	68.1	6.43	2.94	3.20
MAX	5.6	18	10	10	16	160	3250	459	187	16	3.2	4.0
MIN	4.0	6.9	10	10	10	16	200	193	16	3.2	2.6	2.6
AC-FT	276	587	615	615	710	3620	72520	18360	4050	396	180	190

CAL YR 1948 TOTAL 30099.0 MEAN 82.2 MAX 1040 MIN 2.5 AC-FT 59700
WTR YR 1949 TOTAL 51488.2 MEAN 141 MAX 3250 MIN 2.6 AC-FT 102100

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1947 TO SEPTEMBER 1948
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	8.4	13	12	10	50	680	278	176	20	2.8	2.6
2	3.8	8.7	13	12	10	49	758	250	164	19	4.0	2.6
3	3.8	8.7	12	12	10	38	1040	237	174	20	4.0	2.6
4	3.8	8.7	12	12	10	34	966	235	177	23	4.0	2.6
5	3.8	9.0	12	12	10	34	834	228	187	16	3.8	2.6
6	4.0	8.7	12	12	10	31	606	235	166	14	3.7	2.8
7	4.0	8.4	11	12	10	34	465	228	148	13	3.3	2.8
8	4.2	9.0	10	12	10	38	381	235	136	9.0	3.3	2.8
9	4.2	9.0	8.4	12	10	36	315	244	133	7.5	3.3	2.8
10	4.4	8.7	8.0	12	10	32	308	230	128	6.3	3.2	2.8
11	4.4	9.4	8.0	12	10	26	336	211	120	5.8	3.2	2.8
12	4.4	9.4	8.0	12	10	38	341	191	106	5.2	3.0	2.8
13	4.2	9.0	8.0	10	10	43	283	168	96	4.6	2.8	3.0
14	4.2	8.7	8.0	10	12	53	269	177	81	4.4	2.6	3.0
15	4.2	9.8	8.0	10	12	45	276	177	67	4.4	2.6	3.0
16	4.8	9.4	10	10	13	46	308	183	60	4.0	2.6	3.0
17	5.2	9.4	12	10	16	50	384	197	51	4.0	2.6	3.2
18	4.8	10	13	10	93	43	453	218	49	4.0	2.6	3.7
19	4.6	9.8	13	10	84	47	514	248	44	3.8	2.5	5.2
20	4.4	9.4	13	10	67	38	580	253	39	3.5	2.5	5.4
21	4.2	9.4	12	10	53	38	638	250	40	3.2	2.5	4.4
22	4.4	9.8	12	10	311	43	596	237	44	3.2	2.5	3.8
23	4.4	9.8	12	10	239	53	584	226	48	3.0	2.5	3.8
24	4.4	9.8	12	10	157	90	577	207	43	2.8	2.5	4.2
25	4.6	9.8	12	10	103	125	590	197	38	2.8	2.5	4.6
26	5.6	9.8	12	7.0	84	86	511	193	34	2.6	2.6	5.2
27	5.8	11	12	7.0	65	133	408	195	30	2.6	2.6	4.8
28	6.0	11	10	7.0	59	191	318	193	27	2.6	2.8	4.4
29	7.2	11	10	7.0	54	129	283	203	24	2.6	2.8	4.2
30	9.0	11	10	7.0	---	473	273	209	22	2.6	2.8	4.2
31	8.4	---	10	7.0	---	638	---	203	---	2.6	2.8	---
TOTAL	149.2	284.0	336.4	316.0	1552	2804	14875	6736	2652	222.1	91.3	105.7
MEAN	4.81	9.47	10.9	10.2	53.5	90.5	496	217	88.4	7.16	2.95	3.52
MAX	9.0	11	13	12	311	638	1040	278	187	23	4.0	5.4
MIN	3.8	8.4	8.0	7.0	10	26	269	168	22	2.6	2.5	2.6
AC-FT	296	563	667	627	3080	5560	29500	13360	5260	441	181	210

CAL YR 1947 TOTAL 35268.2 MEAN 96.6 MAX 1190 MIN 2.8 AC-FT 69950
WTR YR 1948 TOTAL 30123.7 MEAN 82.3 MAX 1040 MIN 2.5 AC-FT 59750

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1946 TO SEPTEMBER 1947
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	15	38	20	30	333	389	183	73	22	3.7	3.0
2	24	14	37	20	30	269	381	177	79	18	3.7	3.0
3	17	13	35	20	30	218	341	191	84	15	3.7	3.0
4	14	14	35	20	30	176	336	207	85	13	3.7	3.0
5	13	15	37	20	30	162	295	216	82	11	3.5	3.0
6	12	14	53	20	30	146	262	213	76	11	3.3	2.8
7	12	15	66	20	30	136	233	216	72	9.4	3.3	3.0
8	13	15	72	20	30	141	226	216	78	8.4	3.2	3.0
9	13	15	58	20	30	145	207	213	87	7.2	3.2	3.0
10	12	15	65	20	30	193	189	213	96	6.9	3.2	3.2
11	12	15	62	20	30	392	191	207	115	8.7	3.2	3.3
12	12	14	64	20	30	271	185	211	102	10	3.2	3.3
13	12	14	76	20	227	281	181	205	92	7.5	3.2	3.3
14	12	15	110	20	247	336	193	197	80	6.3	3.2	3.3
15	13	15	146	20	230	511	211	181	68	5.6	3.2	3.3
16	12	14	50	20	209	806	228	161	62	5.8	3.0	3.3
17	13	14	50	20	220	1070	244	140	60	6.0	3.0	3.3
18	13	16	50	20	228	1190	253	126	54	5.8	3.0	3.3
19	13	23	50	20	207	1160	253	115	51	5.8	3.0	3.5
20	13	31	50	20	179	1000	253	108	47	5.2	3.2	3.7
21	13	31	50	20	191	817	248	97	43	5.2	3.2	3.7
22	15	34	50	20	220	716	239	92	38	4.4	3.2	3.7
23	20	41	50	20	280	632	230	87	35	4.2	3.2	3.5
24	17	38	50	20	346	538	222	82	31	4.0	3.3	3.5
25	16	38	50	20	638	505	211	78	25	4.0	3.3	3.5
26	15	44	50	20	768	414	201	71	20	3.8	3.2	3.7
27	15	40	50	20	619	365	193	65	19	3.8	3.2	3.7
28	15	39	50	20	445	357	187	76	20	3.8	3.2	3.7
29	15	41	50	20	---	308	187	78	19	4.2	3.2	3.7
30	14	40	50	20	---	336	189	75	20	4.0	3.0	3.8
31	14	---	50	20	---	365	---	73	---	3.8	3.0	---
TOTAL	432.7	702	1754	620	5614	14289	7158	4570	1813	233.8	100.7	100.1
MEAN	14.0	23.4	56.6	20.0	200	461	239	147	60.4	7.54	3.25	3.34
MAX	24	44	146	20	768	1190	389	216	115	22	3.7	3.8
MIN	8.7	13	35	20	30	136	181	65	19	3.8	3.0	2.8
AC-FT	858	1390	3480	1230	11140	28340	14200	9060	3600	464	200	199

CAL YR 1946 TOTAL 88054.3 MEAN 241 MAX 5170 MIN 3.5 AC-FT 174700
WTR YR 1947 TOTAL 37387.3 MEAN 102 MAX 1190 MIN 2.8 AC-FT 74160

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1945 TO SEPTEMBER 1946
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	11	9.0	20	12	20	502	817	255	33	5.4	4.0
2	4.0	10	9.0	18	12	20	584	761	241	32	5.0	4.0
3	3.8	9.8	9.0	16	12	20	565	677	228	28	4.8	4.0
4	4.2	9.8	9.0	14	12	20	744	632	218	25	4.4	4.0
5	4.2	9.0	9.0	12	12	20	918	603	205	23	4.4	4.2
6	4.4	9.8	9.0	12	11	25	1130	590	197	23	4.4	4.2
7	4.4	10	9.0	12	11	27	1480	574	183	21	4.0	4.0
8	4.0	9.8	9.0	12	11	28	2170	559	172	17	4.2	4.2
9	4.0	7.8	9.0	12	11	27	2810	532	155	17	4.0	4.2
10	4.2	9.8	9.0	12	11	29	3130	505	138	15	3.8	4.2
11	4.4	11	8.0	12	11	35	3980	476	121	14	3.7	4.2
12	4.4	11	8.0	12	11	42	5170	459	115	13	3.7	4.0
13	4.4	11	8.0	12	11	45	5110	436	112	13	3.7	3.8
14	4.4	11	8.0	12	11	45	5150	408	92	11	3.7	3.8
15	4.4	12	8.0	12	11	44	4650	386	82	8.1	3.7	3.8
16	5.4	12	8.0	12	11	41	3840	368	79	6.9	3.7	3.8
17	6.9	12	8.0	12	11	43	3020	346	75	6.3	4.0	4.2
18	8.4	11	8.0	12	11	49	2580	325	72	6.0	3.7	4.4
19	8.7	12	8.0	12	11	54	2320	305	66	6.3	3.5	4.6
20	8.1	11	8.0	12	11	66	2200	290	61	5.6	3.5	4.8
21	8.4	11	12	12	11	70	2020	278	56	6.6	3.5	5.0
22	8.1	11	12	12	11	78	1750	278	51	6.6	3.5	4.8
23	7.8	11	12	12	11	86	1480	278	51	5.6	4.4	4.8
24	8.1	11	12	12	11	89	1240	271	54	5.6	5.2	5.2
25	8.1	11	12	12	20	87	1130	262	50	6.3	5.2	5.2
26	8.1	11	12	12	20	103	1090	264	50	6.6	4.6	5.0
27	8.4	11	12	12	20	108	1050	281	49	6.0	4.4	4.8
28	8.7	11	24	12	20	159	1050	318	45	5.6	4.2	5.2
29	8.4	11	38	12	---	241	982	338	40	4.8	4.2	5.4
30	9.0	11	33	12	---	346	890	318	37	5.0	4.2	6.0
31	12	---	25	12	---	408	---	278	---	6.0	4.2	---
TOTAL	195.8	320.8	374.0	392	349	2475	64735	13213	3350	388.9	128.9	133.8
MEAN	6.32	10.7	12.1	12.6	12.5	79.8	2158	426	112	12.5	4.16	4.46
MAX	12	12	38	20	20	408	5170	817	255	33	5.4	6.0
MIN	3.8	7.8	8.0	12	11	20	502	262	37	4.8	3.5	3.8
AC-FT	388	636	742	778	692	4910	128400	26210	6640	771	256	265

CAL YR 1945 TOTAL 41999.4 MEAN 115 MAX 1080 MIN 3.3 AC-FT 83310
WTR YR 1946 TOTAL 86056.2 MEAN 236 MAX 5170 MIN 3.5 AC-FT 170700

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1944 TO SEPTEMBER 1945
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	8.5	11	10	30	40	775	308	133	44	6.4	3.5
2	4.8	7.9	12	10	40	40	698	298	125	40	6.2	3.5
3	4.8	9.0	12	10	49	40	641	298	141	37	5.5	3.5
4	4.6	16	11	10	62	40	568	285	148	32	5.3	3.5
5	4.6	18	11	10	80	40	580	283	164	28	4.8	3.5
6	4.6	14	12	10	51	40	778	276	168	24	4.4	3.3
7	4.6	13	12	10	39	40	912	266	183	22	4.1	3.5
8	4.6	12	11	20	39	40	1070	250	199	20	4.1	3.8
9	4.8	12	8.0	20	52	40	1080	235	201	18	4.1	4.1
10	5.5	13	8.0	20	65	50	982	224	203	13	4.1	3.8
11	6.0	16	8.0	20	82	70	880	211	193	15	4.0	3.5
12	6.0	15	8.0	22	68	180	823	207	174	19	4.0	3.3
13	5.5	15	8.0	36	69	380	702	207	159	20	4.0	3.3
14	5.5	13	8.0	52	152	288	511	195	133	20	3.6	3.3
15	5.5	13	8.0	40	174	148	459	181	140	16	3.6	3.3
16	5.5	12	8.0	30	114	131	606	176	133	13	3.6	3.5
17	6.0	12	8.0	25	69	106	966	187	121	9.2	3.5	3.5
18	6.2	11	8.0	25	51	86	859	181	109	8.5	3.5	3.6
19	7.9	11	8.0	25	40	71	792	176	96	8.5	3.5	3.6
20	6.4	11	8.0	25	35	94	719	161	85	9.2	3.6	4.3
21	6.2	11	8.0	25	35	183	691	148	76	9.2	3.5	4.3
22	6.2	11	8.0	25	35	395	680	138	73	9.5	3.5	4.3
23	6.0	11	8.0	25	35	651	747	146	66	9.0	3.5	4.3
24	6.2	12	8.0	25	35	468	747	164	59	8.7	3.6	4.3
25	6.4	11	8.0	25	35	453	747	174	58	9.2	3.5	4.1
26	5.8	11	8.0	25	35	439	654	176	58	9.8	3.5	4.1
27	5.5	12	8.0	25	35	368	497	166	56	9.8	3.6	4.4
28	6.0	10	8.0	25	35	397	420	152	50	8.5	3.6	4.3
29	6.7	11	8.0	25	---	378	370	145	48	7.7	3.6	4.3
30	6.9	11	8.0	25	---	456	333	141	46	7.4	3.6	4.3
31	6.7	---	8.0	25	---	677	---	138	---	6.7	3.6	---
TOTAL	176.8	363.4	276.0	705	1641	6829	21292	6293	3598	511.9	125.0	113.9
MEAN	5.70	12.1	8.90	22.7	58.6	220	710	203	120	16.5	4.03	3.80
MAX	7.9	18	12	52	174	677	1080	308	203	44	6.4	4.4
MIN	4.6	7.9	8.0	10	30	40	333	138	46	6.7	3.5	3.3
AC-FT	351	721	547	1400	3250	13550	42230	12480	7140	1020	248	226

WTR YR 1945 TOTAL 41925.0 MEAN 115 MAX 1080 MIN 3.3 AC-FT 83160

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1943 TO SEPTEMBER 1944
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	16	---	---	---	---	281	333	72	71	5.5	3.6
2	8.5	16	---	---	---	---	442	308	83	62	6.0	3.8
3	8.5	16	---	---	---	---	722	285	96	53	6.7	3.8
4	8.5	18	---	---	---	---	792	262	94	42	6.4	3.8
5	8.7	21	---	---	---	---	740	250	90	36	5.5	3.8
6	8.7	21	---	---	---	---	606	253	82	32	6.0	3.8
7	9.0	22	---	---	---	---	529	257	73	27	5.1	3.8
8	9.2	22	---	---	---	---	428	260	82	22	4.8	3.6
9	9.8	22	---	---	---	---	386	260	128	20	4.6	3.5
10	10	22	---	---	---	---	414	253	176	19	4.4	3.6
11	12	22	---	---	---	---	559	244	237	19	4.3	3.6
12	12	23	---	---	---	---	574	235	281	16	4.0	3.6
13	12	24	---	---	---	---	574	233	273	13	4.0	3.6
14	12	24	---	---	---	---	590	235	244	10	3.8	3.6
15	13	24	---	---	---	---	456	237	213	9.5	4.0	3.6
16	13	24	---	---	---	---	386	233	191	9.2	3.8	3.8
17	12	24	---	---	---	---	325	228	177	9.2	4.0	4.1
18	13	24	---	---	---	---	281	216	168	9.2	4.3	4.4
19	15	24	---	---	---	---	253	203	153	9.5	4.1	4.6
20	15	24	---	---	---	---	257	189	141	9.8	4.0	4.8
21	17	24	---	---	---	---	341	168	136	9.5	4.0	4.6
22	17	24	---	---	---	---	514	152	138	9.2	4.0	4.4
23	17	24	---	---	---	---	590	136	134	9.0	4.0	4.4
24	18	24	---	---	---	---	559	126	123	8.2	3.8	4.6
25	17	24	---	---	---	---	500	114	110	7.7	3.6	4.4
26	17	24	---	---	---	---	400	97	106	7.7	3.6	4.3
27	16	24	---	---	---	---	386	87	104	7.7	3.6	4.3
28	20	23	---	---	---	---	330	74	100	6.9	3.6	4.3
29	22	24	---	---	---	---	300	63	90	6.7	3.8	4.3
30	19	24	---	---	---	---	328	58	81	6.4	3.8	4.4
31	17	---	---	---	---	---	---	60	---	6.0	3.6	---
TOTAL	415.6	672	---	---	---	---	13843	6109	4176	583.4	136.7	120.8
MEAN	13.4	22.4	---	---	---	---	461	197	139	18.8	4.41	4.03
MAX	22	24	---	---	---	---	792	333	281	71	6.7	4.8
MIN	8.5	16	---	---	---	---	253	58	72	6.0	3.6	3.5
AC-FT	824	1330	---	---	---	---	27460	12120	8280	1160	271	240

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1942 TO SEPTEMBER 1943
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	1720	1400	514	152	13	7.5
2	---	---	---	---	---	---	2520	1250	514	161	13	7.8
3	---	---	---	---	---	---	4090	1180	485	159	14	9.2
4	---	---	---	---	---	---	5500	1070	456	146	14	9.2
5	---	---	---	---	---	---	6390	970	414	141	12	9.0
6	---	---	---	---	---	---	6550	915	400	131	12	9.0
7	---	---	---	---	---	---	7760	880	373	125	11	8.2
8	---	---	---	---	---	---	9080	828	351	118	9.8	7.8
9	---	---	---	---	---	---	7870	758	323	112	8.8	8.0
10	---	---	---	---	---	---	6550	705	298	99	8.0	8.0
11	---	---	---	---	---	---	6000	654	285	90	8.0	6.8
12	---	---	---	---	---	---	5700	622	290	80	8.0	7.0
13	---	---	---	---	---	---	4800	590	320	73	7.2	6.7
14	---	---	---	---	---	---	3790	544	351	73	7.0	6.8
15	---	---	---	---	---	---	3120	529	351	66	6.7	6.1
16	---	---	---	---	---	---	2730	529	325	61	6.7	5.8
17	---	---	---	---	---	---	2450	544	290	56	7.5	5.6
18	---	---	---	---	---	---	2240	514	271	51	7.2	5.6
19	---	---	---	---	---	---	2100	485	266	49	7.0	5.6
20	---	---	---	---	---	---	1860	456	269	46	6.7	5.8
21	---	---	---	---	---	---	1800	428	276	43	7.5	5.8
22	---	---	---	---	---	---	1620	414	262	40	7.2	6.8
23	---	---	---	---	---	---	1500	428	250	37	7.0	7.8
24	---	---	---	---	---	---	1350	428	241	35	7.2	7.8
25	---	---	---	---	---	---	1300	456	226	31	7.0	7.8
26	---	---	---	---	---	---	1130	470	211	28	7.2	8.5
27	---	---	---	---	---	---	1090	470	195	24	7.0	9.2
28	---	---	---	---	---	---	990	470	176	20	6.7	9.5
29	---	---	---	---	---	---	1400	470	170	18	6.8	9.0
30	---	---	---	---	---	---	1560	485	162	16	7.0	8.8
31	---	---	---	---	---	---	---	500	---	14	7.2	---
TOTAL	---	---	---	---	---	---	106560	20442	9315	2295	265.4	226.5
MEAN	---	---	---	---	---	---	3552	659	310	74.0	8.56	7.55
MAX	---	---	---	---	---	---	9080	1400	514	161	14	9.5
MIN	---	---	---	---	---	---	990	414	162	14	6.7	5.6
AC-FT	---	---	---	---	---	---	211400	40550	18480	4550	526	449

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1941 TO SEPTEMBER 1942
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	474	304	28	3.8	3.3
2	---	---	---	---	---	---	---	474	275	28	3.4	3.1
3	---	---	---	---	---	---	---	460	252	25	3.4	3.3
4	---	---	---	---	---	---	---	460	243	24	3.4	3.1
5	---	---	---	---	---	---	---	474	236	23	3.3	3.0
6	---	---	---	---	---	---	---	530	230	22	3.0	3.0
7	---	---	---	---	---	---	---	530	221	20	3.0	3.1
8	---	---	---	---	---	---	---	432	230	19	2.8	3.0
9	---	---	---	---	---	---	---	418	226	18	2.8	3.1
10	---	---	---	---	---	---	---	405	223	16	2.8	3.1
11	---	---	---	---	---	---	---	365	219	14	2.8	3.0
12	---	---	---	---	---	---	---	336	204	14	2.8	3.0
13	---	---	---	---	---	---	---	336	188	15	2.8	3.0
14	---	---	---	---	---	---	---	334	172	14	2.8	3.1
15	---	---	---	---	---	---	---	336	156	14	2.8	2.8
16	---	---	---	---	---	---	---	329	140	14	2.8	2.8
17	---	---	---	---	---	---	---	311	125	13	2.8	3.0
18	---	---	---	---	---	---	---	284	112	10	2.8	3.0
19	---	---	---	---	---	---	---	263	97	9.2	3.0	3.1
20	---	---	---	---	---	---	---	254	85	9.0	3.1	3.0
21	---	---	---	---	---	---	---	247	76	8.2	3.1	3.1
22	---	---	---	---	---	---	---	250	64	8.4	3.1	2.8
23	---	---	---	---	---	---	---	279	54	8.4	3.3	2.8
24	---	---	---	---	---	---	---	306	49	7.1	3.3	2.8
25	---	---	---	---	---	---	---	318	43	6.0	3.3	2.8
26	---	---	---	---	---	---	---	331	40	5.3	3.1	2.7
27	---	---	---	---	---	---	---	331	38	4.9	3.3	2.7
28	---	---	---	---	---	---	---	334	37	4.8	3.3	2.8
29	---	---	---	---	---	---	---	321	34	4.8	3.4	2.7
30	---	---	---	---	---	---	---	326	30	4.6	3.3	2.8
31	---	---	---	---	---	---	---	326	---	4.1	3.3	---
TOTAL	---	---	---	---	---	---	---	11174	4403	415.8	96.0	88.9
MEAN	---	---	---	---	---	---	---	360	147	13.4	3.10	2.96
MAX	---	---	---	---	---	---	---	530	304	28	3.8	3.3
MIN	---	---	---	---	---	---	---	247	30	4.1	2.8	2.7
AC-FT	---	---	---	---	---	---	---	22160	8730	825	190	176

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1940 TO SEPTEMBER 1941
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	27	948	296	136	37	3.1	4.2
2	---	---	---	---	---	32	912	296	123	36	3.0	4.2
3	---	---	---	---	---	32	965	306	117	33	3.1	4.2
4	---	---	---	---	---	39	895	311	109	27	3.1	4.2
5	---	---	---	---	---	45	808	318	104	22	3.0	4.2
6	---	---	---	---	---	45	774	316	97	19	3.0	4.1
7	---	---	---	---	---	46	808	294	112	16	3.0	4.1
8	---	---	---	---	---	46	588	282	126	12	3.0	4.2
9	---	---	---	---	---	47	516	263	145	10	3.0	4.2
10	---	---	---	---	---	55	574	247	147	8.4	3.0	4.1
11	---	---	---	---	---	61	588	239	132	7.1	18	3.8
12	---	---	---	---	---	66	842	239	119	6.2	13	3.8
13	---	---	---	---	---	66	709	252	107	6.0	7.1	3.6
14	---	---	---	---	---	63	588	266	95	5.8	6.4	4.2
15	---	---	---	---	---	68	474	270	98	5.1	5.3	4.9
16	---	---	---	---	---	82	418	254	95	4.9	3.8	5.5
17	---	---	---	---	---	114	378	236	97	4.6	3.6	5.5
18	---	---	---	---	---	153	352	217	97	4.4	4.2	5.5
19	---	---	---	---	---	161	299	202	100	4.2	5.1	5.7
20	---	---	---	---	---	179	272	187	97	4.4	4.4	5.7
21	---	---	---	---	---	252	250	171	90	3.8	4.2	6.0
22	---	---	---	---	---	282	239	151	84	3.9	4.1	6.6
23	---	---	---	---	---	291	234	136	73	3.4	4.2	7.1
24	---	---	---	---	---	352	234	126	60	3.4	4.1	7.5
25	---	---	---	---	---	378	234	126	51	3.3	4.1	7.3
26	---	---	---	---	---	405	239	132	46	3.6	4.1	7.3
27	---	---	---	---	---	446	241	140	40	3.6	4.4	7.1
28	---	---	---	---	---	502	245	145	41	4.2	4.9	6.9
29	---	---	---	---	---	709	259	155	39	4.1	4.4	7.1
30	---	---	---	---	---	982	272	136	36	3.4	4.2	7.1
31	---	---	---	---	---	1060	---	130	---	3.3	4.2	---
TOTAL	---	---	---	---	---	7086	15155	6839	2813	313.1	148.1	159.9
MEAN	---	---	---	---	---	229	505	221	93.8	10.1	4.78	5.33
MAX	---	---	---	---	---	1060	965	318	147	37	18	7.5
MIN	---	---	---	---	---	27	234	126	36	3.3	3.0	3.6
AC-FT	---	---	---	---	---	14060	30060	13570	5580	621	294	317

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1939 TO SEPTEMBER 1940
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	1900	326	70	3.1	1.8	1.7
2	---	---	---	---	---	---	1800	303	67	3.1	1.8	1.8
3	---	---	---	---	---	---	1360	283	64	3.0	1.8	2.0
4	---	---	---	---	---	---	950	274	60	2.8	2.0	2.0
5	---	---	---	---	---	---	792	259	69	2.7	2.0	1.8
6	---	---	---	---	---	---	705	255	61	2.6	2.0	1.8
7	---	---	---	---	---	---	670	230	56	2.6	1.8	91
8	---	---	---	---	---	---	601	208	53	2.4	1.8	96
9	---	---	---	---	---	---	520	178	50	2.3	1.7	18
10	---	---	---	---	---	---	490	170	45	2.3	1.7	5.4
11	---	---	---	---	---	---	460	176	38	2.3	1.8	3.1
12	---	---	---	---	---	---	418	188	31	2.3	1.8	3.1
13	---	---	---	---	---	---	391	192	26	2.3	1.8	3.3
14	---	---	---	---	---	---	391	206	22	2.2	1.8	3.4
15	---	---	---	---	---	---	432	198	19	2.2	1.7	3.3
16	---	---	---	---	---	---	536	180	17	2.2	1.8	2.8
17	---	---	---	---	---	---	446	168	15	2.3	1.8	2.8
18	---	---	---	---	---	---	378	168	14	2.3	1.8	2.7
19	---	---	---	---	---	---	361	157	12	2.3	1.8	3.0
20	---	---	---	---	---	---	364	145	9.5	2.3	1.8	4.8
21	---	---	---	---	---	---	356	136	8.6	2.2	2.0	7.4
22	---	---	---	---	---	---	338	129	7.4	2.2	1.8	5.4
23	---	---	---	---	---	---	323	124	6.1	2.1	1.8	3.9
24	---	---	---	---	---	---	298	121	5.0	2.0	1.8	3.1
25	---	---	---	---	---	---	288	116	4.8	2.0	1.8	2.8
26	---	---	---	---	---	---	320	110	4.2	2.0	1.8	2.8
27	---	---	---	---	---	---	378	102	3.8	2.0	1.8	2.8
28	---	---	---	---	---	---	432	96	3.4	2.0	1.8	3.0
29	---	---	---	---	---	---	432	90	3.3	2.0	1.7	3.3
30	---	---	---	---	---	---	364	83	3.3	2.0	1.7	3.6
31	---	---	---	---	---	---	---	74	---	2.0	1.7	---
TOTAL	---	---	---	---	---	---	17494	5445	848.4	72.1	56.0	291.9
MEAN	---	---	---	---	---	---	583	176	28.3	2.33	1.81	9.73
MAX	---	---	---	---	---	---	1900	326	70	3.1	2.0	96
MIN	---	---	---	---	---	---	288	74	3.3	2.0	1.7	1.7
AC-FT	---	---	---	---	---	---	34700	10800	1680	143	111	579

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1938 TO SEPTEMBER 1939
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.3	---	---	---	---	---	2000	215	16	5.2	2.7	2.3
2	6.8	---	---	---	---	---	1500	218	18	4.9	2.6	2.3
3	7.4	---	---	---	---	---	1200	220	16	4.6	2.6	2.3
4	7.4	---	---	---	---	---	1000	210	16	4.4	2.5	2.2
5	7.1	---	---	---	---	---	900	200	16	6.0	2.5	2.2
6	7.4	---	---	---	---	---	800	190	15	6.5	2.4	2.1
7	7.7	---	---	---	---	---	740	176	14	6.0	2.4	2.1
8	8.9	---	---	---	---	---	625	161	14	5.5	2.4	2.0
9	12	---	---	---	---	---	550	145	14	5.5	2.4	2.0
10	10	---	---	---	---	---	475	126	13	5.0	2.4	1.9
11	9.2	---	---	---	---	---	415	109	12	4.9	2.4	1.9
12	9.5	---	---	---	---	---	379	117	12	5.1	2.3	1.9
13	8.6	---	---	---	---	---	332	109	12	4.7	2.3	2.5
14	8.6	---	---	---	---	---	330	104	12	4.4	2.3	3.0
15	13	---	---	---	---	---	310	91	12	4.2	2.3	2.5
16	16	---	---	---	---	---	275	88	12	3.9	2.2	2.3
17	17	---	---	---	---	---	255	84	12	3.6	2.2	2.1
18	18	---	---	---	---	---	240	68	12	3.3	2.2	2.0
19	16	---	---	---	---	---	228	56	12	3.1	2.2	1.9
20	14	---	---	---	---	---	225	52	11	2.8	2.1	1.9
21	13	---	---	---	---	---	222	51	11	2.8	2.1	1.9
22	13	---	---	---	---	---	225	46	9.8	2.8	2.1	2.0
23	13	---	---	---	---	---	225	43	9.0	2.7	2.1	1.9
24	13	---	---	---	---	---	225	41	8.3	2.6	2.0	1.8
25	13	---	---	---	---	---	225	38	7.5	2.5	2.0	1.8
26	13	---	---	---	---	---	222	37	6.8	2.5	2.0	1.8
27	13	---	---	---	---	---	222	35	6.5	2.5	2.0	1.7
28	13	---	---	---	---	---	220	30	6.2	2.5	2.1	1.8
29	14	---	---	---	---	---	210	26	5.9	2.6	2.1	1.8
30	19	---	---	---	---	---	215	21	5.5	2.7	2.2	1.9
31	19	---	---	---	---	---	---	19	---	2.7	2.2	---
TOTAL	366.9	---	---	---	---	---	14990	3126	347.5	122.5	70.3	61.8
MEAN	11.8	---	---	---	---	---	500	101	11.6	3.95	2.27	2.06
MAX	19	---	---	---	---	---	2000	220	18	6.5	2.7	3.0
MIN	6.3	---	---	---	---	---	210	19	5.5	2.5	2.0	1.7
AC-FT	728	---	---	---	---	---	29730	6200	689	243	139	123

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1937 TO SEPTEMBER 1938
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	4.0	---	---	---	---	172	2000	490	99	9.2	5.2
2	2.3	4.6	---	---	---	---	172	2500	460	118	8.3	5.0
3	2.3	4.6	---	---	---	---	172	2000	432	114	5.9	5.4
4	2.4	4.4	---	---	---	---	172	1600	418	111	5.4	5.9
5	2.4	4.6	---	---	---	---	163	1270	404	107	4.8	5.0
6	2.7	4.7	---	---	---	---	172	1000	378	103	4.6	5.2
7	2.7	4.2	---	---	---	---	211	800	364	100	4.4	5.0
8	2.7	4.6	---	---	---	---	298	750	348	96	4.2	5.2
9	2.7	4.4	---	---	---	---	490	700	320	92	5.0	5.0
10	2.7	4.2	---	---	---	---	722	700	300	89	4.8	4.2
11	2.8	4.2	---	---	---	---	990	722	257	85	4.1	5.0
12	2.9	4.2	---	---	---	---	1500	722	226	81	3.9	5.7
13	2.8	4.7	---	---	---	---	2180	722	204	78	3.8	5.9
14	2.9	4.9	---	---	---	---	2510	740	192	74	3.6	5.7
15	3.1	4.9	---	---	---	---	3260	758	180	78	3.4	5.2
16	3.2	4.4	---	---	---	---	4420	758	163	72	3.3	4.8
17	3.5	4.4	---	---	---	---	6290	792	145	65	3.1	4.4
18	3.9	4.4	---	---	---	---	8000	775	129	59	3.1	4.1
19	3.5	3.9	---	---	---	---	8000	758	122	54	3.1	3.9
20	3.4	4.7	---	---	---	---	8000	700	119	46	3.0	4.6
21	3.4	4.6	---	---	---	---	4500	650	108	39	3.0	4.8
22	3.2	4.7	---	---	---	---	3500	600	104	32	3.1	4.6
23	3.2	4.2	---	---	---	---	3000	550	104	25	3.4	4.4
24	3.2	4.4	---	---	---	---	2500	560	104	22	3.3	4.2
25	3.2	4.2	---	---	---	---	2500	568	102	18	19	4.2
26	3.2	4.2	---	---	---	---	2500	584	99	18	12	4.2
27	3.4	4.2	---	---	---	---	2500	618	94	17	9.2	4.2
28	3.4	3.9	---	---	---	---	1500	635	92	14	7.1	4.2
29	3.4	3.7	---	---	---	---	1700	635	87	13	5.7	4.2
30	3.7	3.5	---	---	---	---	1900	584	92	12	5.0	5.2
31	3.9	---	---	---	---	---	---	536	---	11	4.8	---
TOTAL	94.4	130.6	---	---	---	---	73994	27287	6637	1942	166.6	144.6
MEAN	3.05	4.35	---	---	---	---	2466	880	221	62.6	5.37	4.82
MAX	3.9	4.9	---	---	---	---	8000	2500	490	118	19	5.9
MIN	2.3	3.5	---	---	---	---	163	536	87	11	3.0	3.9
AC-FT	187	259	---	---	---	---	146800	54120	13160	3850	330	287

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1936 TO SEPTEMBER 1937
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	---	---	---	---	---	62	349	71	4.7	2.0	1.9
2	2.9	---	---	---	---	---	68	300	66	4.6	1.9	1.9
3	2.9	---	---	---	---	---	80	288	60	4.4	1.9	1.9
4	2.9	---	---	---	---	---	106	282	54	4.2	1.9	1.9
5	2.9	---	---	---	---	---	161	282	48	4.0	1.8	2.0
6	2.9	---	---	---	---	---	173	285	38	4.0	1.8	2.0
7	2.9	---	---	---	---	---	106	300	31	4.2	1.8	1.9
8	2.9	---	---	---	---	---	122	278	29	4.4	1.8	2.0
9	3.1	---	---	---	---	---	200	252	30	4.2	1.8	1.9
10	3.1	---	---	---	---	---	282	235	30	4.4	1.8	1.9
11	3.1	---	---	---	---	---	364	218	27	4.4	1.8	1.9
12	2.9	---	---	---	---	---	490	208	25	3.7	1.8	1.9
13	2.9	---	---	---	---	---	740	195	30	3.5	1.8	1.8
14	2.9	---	---	---	---	---	1030	171	32	3.4	1.8	1.8
15	2.9	---	---	---	---	---	1550	154	32	3.5	1.8	2.2
16	2.9	---	---	---	---	---	2400	161	31	3.2	1.7	1.9
17	2.9	---	---	---	---	---	3050	161	30	2.9	1.7	1.9
18	3.1	---	---	---	---	---	2120	154	28	3.1	1.7	1.9
19	6.8	---	---	---	---	---	1550	148	26	2.8	1.7	1.9
20	4.7	---	---	---	---	---	1150	145	24	2.6	1.7	2.0
21	4.0	---	---	---	---	---	1070	135	23	2.3	1.7	2.0
22	4.0	---	---	---	---	---	828	120	18	2.3	1.8	2.0
23	3.9	---	---	---	---	---	810	113	14	2.3	1.9	2.0
24	3.9	---	---	---	---	---	688	102	11	2.3	1.9	2.0
25	3.9	---	---	---	---	---	625	93	9.4	2.3	1.9	2.0
26	3.9	---	---	---	---	---	490	93	7.6	2.2	1.9	2.0
27	3.9	---	---	---	---	---	391	88	6.8	2.0	1.9	2.0
28	3.9	---	---	---	---	---	394	84	6.2	2.0	1.9	2.0
29	3.7	---	---	---	---	---	445	78	5.7	2.0	1.9	2.0
30	3.9	---	---	---	---	---	430	75	4.9	1.9	1.9	2.4
31	4.0	---	---	---	---	---	---	71	---	2.0	1.9	---
TOTAL	107.5	---	---	---	---	---	21975	5618	848.6	99.8	56.6	58.9
MEAN	3.47	---	---	---	---	---	732	181	28.3	3.22	1.83	1.96
MAX	6.8	---	---	---	---	---	3050	349	71	4.7	2.0	2.4
MIN	2.9	---	---	---	---	---	62	71	4.9	1.9	1.7	1.8
AC-FT	213	---	---	---	---	---	43590	11140	1680	198	112	117

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1935 TO SEPTEMBER 1936
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	---	---	---	---	---	14	940	140	6.2	2.6	2.2
2	2.3	---	---	---	---	---	14	815	161	5.6	2.6	2.2
3	2.3	---	---	---	---	---	14	750	193	5.3	2.4	2.3
4	2.4	---	---	---	---	---	14	705	200	5.1	2.4	2.4
5	2.2	---	---	---	---	---	14	705	177	4.8	2.4	2.6
6	2.3	---	---	---	---	---	14	690	159	4.6	2.4	2.6
7	2.3	---	---	---	---	---	14	675	193	4.6	2.4	2.6
8	2.3	---	---	---	---	---	18	630	198	4.4	2.2	2.6
9	2.3	---	---	---	---	---	22	570	215	4.4	2.2	2.4
10	2.3	---	---	---	---	---	29	510	218	4.6	2.2	2.3
11	2.3	---	---	---	---	---	45	480	196	4.8	2.2	2.3
12	2.4	---	---	---	---	---	66	452	174	4.6	13	2.3
13	2.3	---	---	---	---	---	89	438	148	4.4	12	2.3
14	2.4	---	---	---	---	---	103	438	138	5.1	5.3	2.3
15	2.4	---	---	---	---	---	172	410	126	5.3	3.8	2.3
16	2.4	---	---	---	---	---	916	396	109	5.1	3.0	2.4
17	2.4	---	---	---	---	---	2630	379	98	4.4	2.7	2.4
18	2.4	---	---	---	---	---	2990	354	85	4.0	2.4	2.6
19	2.7	---	---	---	---	---	3770	317	75	3.8	2.3	2.6
20	2.6	---	---	---	---	---	5590	277	65	3.4	2.3	2.6
21	2.7	---	---	---	---	---	5800	251	55	3.0	2.2	2.6
22	2.7	---	---	---	---	---	5320	230	45	2.7	2.1	2.6
23	2.8	---	---	---	---	---	3770	210	35	2.6	2.1	2.6
24	2.8	---	---	---	---	---	2930	200	31	2.7	2.1	2.6
25	2.8	---	---	---	---	---	2400	196	22	2.4	2.1	2.6
26	2.8	---	---	---	---	---	2060	181	16	2.4	2.1	2.6
27	2.8	---	---	---	---	---	1700	161	13	2.3	2.1	2.6
28	2.8	---	---	---	---	---	1500	159	11	2.3	2.1	2.6
29	2.8	---	---	---	---	---	1300	146	8.2	2.4	2.1	2.6
30	2.8	---	---	---	---	---	1120	132	7.0	2.7	2.1	2.7
31	2.7	---	---	---	---	---	---	126	---	2.6	2.2	---
TOTAL	77.8	---	---	---	---	---	44438	12923	3311.2	122.6	96.1	74.4
MEAN	2.51	---	---	---	---	---	1481	417	110	3.95	3.10	2.48
MAX	2.8	---	---	---	---	---	5800	940	218	6.2	13	2.7
MIN	2.2	---	---	---	---	---	14	126	7.0	2.3	2.1	2.2
AC-FT	154	---	---	---	---	---	88140	25630	6570	243	191	148

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LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1934 TO SEPTEMBER 1935
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	105	225	161	7.0	2.1	1.8
2	---	---	---	---	---	---	105	230	177	6.4	2.1	1.8
3	---	---	---	---	---	---	111	218	172	5.9	2.1	1.8
4	---	---	---	---	---	---	140	212	152	5.3	2.2	1.8
5	---	---	---	---	---	---	181	198	134	5.3	2.1	1.8
6	---	---	---	---	---	---	179	188	122	4.8	2.0	1.8
7	---	---	---	---	---	---	218	184	112	4.2	2.1	1.8
8	---	---	---	---	---	---	585	174	109	4.2	2.0	1.7
9	---	---	---	---	---	---	780	172	107	3.6	2.1	1.7
10	---	---	---	---	---	---	1240	172	101	3.6	2.1	1.7
11	---	---	---	---	---	---	1220	163	98	3.4	2.1	1.8
12	---	---	---	---	---	---	2370	159	91	3.6	2.1	1.8
13	---	---	---	---	---	---	2510	155	83	3.0	2.1	1.8
14	---	---	---	---	---	---	1650	152	78	2.7	2.1	1.8
15	---	---	---	---	---	---	1170	146	72	2.7	2.0	1.8
16	---	---	---	---	---	---	1040	136	67	2.6	2.0	1.8
17	---	---	---	---	---	---	1170	138	62	2.6	2.0	1.8
18	---	---	---	---	---	---	940	142	57	2.4	2.0	1.8
19	---	---	---	---	---	---	660	150	51	2.6	2.0	1.8
20	---	---	---	---	---	---	540	134	46	2.4	2.0	1.8
21	---	---	---	---	---	---	480	103	41	2.4	2.0	1.8
22	---	---	---	---	---	---	424	116	36	2.4	2.0	1.8
23	---	---	---	---	---	---	424	122	30	2.6	2.0	1.8
24	---	---	---	---	---	---	360	124	25	2.4	1.8	1.8
25	---	---	---	---	---	---	349	124	20	2.6	1.8	1.8
26	---	---	---	---	---	---	309	122	14	2.6	1.8	1.8
27	---	---	---	---	---	---	284	114	9.2	2.4	1.8	2.0
28	---	---	---	---	---	---	261	118	8.2	2.3	1.8	2.0
29	---	---	---	---	---	---	240	114	7.5	2.3	1.8	2.1
30	---	---	---	---	---	---	232	122	7.2	2.2	1.8	2.6
31	---	---	---	---	---	---	---	144	---	2.2	1.8	---
TOTAL	---	---	---	---	---	---	20777	4771	2250.1	104.7	61.7	55.2
MEAN	---	---	---	---	---	---	693	154	75.0	3.38	1.99	1.84
MAX	---	---	---	---	---	---	2870	230	177	7.0	2.2	2.6
MIN	---	---	---	---	---	---	105	103	7.2	2.2	1.8	1.7
AC-FT	---	---	---	---	---	---	41210	9460	4460	208	122	109

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1933 TO SEPTEMBER 1934
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	134	26	3.8	2.3	1.8	2.1
2	---	---	---	---	---	---	130	30	3.8	2.2	1.7	2.2
3	---	---	---	---	---	---	124	29	3.6	2.2	1.7	2.2
4	---	---	---	---	---	---	118	26	3.6	2.2	1.7	2.2
5	---	---	---	---	---	---	105	24	3.6	2.2	1.7	2.3
6	---	---	---	---	---	---	93	22	3.6	2.2	1.8	2.3
7	---	---	---	---	---	---	86	18	3.8	2.2	1.8	2.3
8	---	---	---	---	---	---	82	16	4.2	2.2	1.8	2.2
9	---	---	---	---	---	---	79	15	4.2	2.1	1.8	2.3
10	---	---	---	---	---	---	76	15	3.8	2.1	1.7	2.3
11	---	---	---	---	---	---	72	17	3.2	2.1	1.7	2.3
12	---	---	---	---	---	---	70	16	3.0	2.1	1.7	2.3
13	---	---	---	---	---	---	58	14	2.8	2.1	1.8	2.3
14	---	---	---	---	---	---	67	13	2.8	2.0	1.8	2.3
15	---	---	---	---	---	---	70	11	2.8	2.0	1.8	2.3
16	---	---	---	---	---	---	70	10	2.8	2.0	1.8	2.4
17	---	---	---	---	---	---	65	7.2	2.7	1.8	1.8	2.4
18	---	---	---	---	---	---	59	6.2	2.7	1.8	1.7	2.4
19	---	---	---	---	---	---	54	5.3	2.6	1.8	1.6	2.2
20	---	---	---	---	---	---	48	5.3	2.6	1.8	1.7	2.3
21	---	---	---	---	---	---	43	4.8	2.6	1.8	1.8	2.3
22	---	---	---	---	---	---	37	5.1	2.4	1.8	1.7	2.4
23	---	---	---	---	---	---	32	5.3	2.4	1.8	2.0	2.7
24	---	---	---	---	---	---	27	4.8	2.4	2.0	1.8	2.7
25	---	---	---	---	---	---	28	4.2	2.3	2.0	2.0	2.7
26	---	---	---	---	---	---	28	4.0	2.3	2.0	1.8	2.8
27	---	---	---	---	---	---	27	4.0	2.3	1.8	1.8	3.0
28	---	---	---	---	---	---	30	4.2	2.3	1.8	1.8	3.0
29	---	---	---	---	---	---	29	3.8	2.3	1.8	2.0	3.0
30	---	---	---	---	---	---	28	3.6	2.3	1.8	2.1	3.0
31	---	---	---	---	---	---	---	3.6	---	1.8	2.1	---
TOTAL	---	---	---	---	---	---	1969	373.4	89.6	61.8	55.8	73.2
MEAN	---	---	---	---	---	---	65.6	12.0	2.99	1.99	1.80	2.44
MAX	---	---	---	---	---	---	134	30	4.2	2.3	2.1	3.0
MIN	---	---	---	---	---	---	27	3.6	2.3	1.8	1.6	2.1
AC-FT	---	---	---	---	---	---	3910	741	178	123	111	145

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1932 TO SEPTEMBER 1933
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	1120	232	16	2.2	2.4
2	---	---	---	---	---	---	---	1040	235	14	2.1	2.4
3	---	---	---	---	---	---	---	798	232	13	2.2	2.4
4	---	---	---	---	---	---	---	705	222	13	2.2	2.4
5	---	---	---	---	---	---	---	615	218	11	2.2	2.4
6	---	---	---	---	---	---	---	510	205	11	2.2	2.6
7	---	---	---	---	---	---	---	466	188	11	2.2	2.6
8	---	---	---	---	---	---	---	438	175	10	2.2	2.6
9	---	---	---	---	---	---	---	424	171	9.6	2.2	2.6
10	---	---	---	---	---	---	---	424	166	7.8	2.1	2.6
11	---	---	---	---	---	---	---	379	159	7.2	2.1	2.6
12	---	---	---	---	---	---	---	344	156	5.3	2.1	2.6
13	---	---	---	---	---	---	---	341	145	5.3	2.0	2.7
14	---	---	---	---	---	---	---	338	136	5.1	2.0	2.8
15	---	---	---	---	---	---	---	317	128	4.4	2.0	2.8
16	---	---	---	---	---	---	---	317	121	4.2	2.0	3.0
17	---	---	---	---	---	---	---	363	112	4.2	2.0	2.8
18	---	---	---	---	---	---	---	393	103	4.0	2.0	2.8
19	---	---	---	---	---	---	---	410	93	3.6	2.1	2.8
20	---	---	---	---	---	---	---	393	81	3.4	2.2	2.8
21	---	---	---	---	---	---	---	354	71	3.4	2.1	2.8
22	---	---	---	---	---	---	---	336	58	3.2	2.1	3.0
23	---	---	---	---	---	---	---	319	46	3.0	2.2	2.8
24	---	---	---	---	---	---	---	311	32	3.0	2.3	3.2
25	---	---	---	---	---	---	---	300	22	2.7	2.3	3.4
26	---	---	---	---	---	---	---	292	24	2.7	2.6	3.8
27	---	---	---	---	---	---	---	284	23	2.4	2.6	3.6
28	---	---	---	---	---	---	---	274	21	2.3	3.0	3.4
29	---	---	---	---	---	---	---	264	18	2.2	2.8	3.2
30	---	---	---	---	---	---	---	253	16	2.2	2.7	3.2
31	---	---	---	---	---	---	---	240	---	2.2	2.4	---
TOTAL	---	---	---	---	---	---	---	13362	3609	192.4	69.4	85.1
MEAN	---	---	---	---	---	---	---	431	120	6.21	2.24	2.84
MAX	---	---	---	---	---	---	---	1120	235	16	3.0	3.8
MIN	---	---	---	---	---	---	---	240	16	2.2	2.0	2.4
AC-FT	---	---	---	---	---	---	---	26500	7160	382	138	169

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1931 TO SEPTEMBER 1932
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	245	585	282	71	4.4	3.0
2	---	---	---	---	---	---	438	510	282	62	4.2	2.8
3	---	---	---	---	---	---	410	525	279	55	4.0	2.8
4	---	---	---	---	---	---	510	630	215	48	3.4	2.7
5	---	---	---	---	---	---	630	690	269	45	3.2	2.4
6	---	---	---	---	---	---	615	675	371	40	3.2	2.4
7	---	---	---	---	---	---	645	615	480	35	3.0	2.8
8	---	---	---	---	---	---	750	570	510	27	2.8	2.6
9	---	---	---	---	---	---	1600	555	466	21	2.8	2.6
10	---	---	---	---	---	---	2570	555	438	18	3.0	2.7
11	---	---	---	---	---	---	2280	540	452	16	3.0	2.8
12	---	---	---	---	---	---	2280	555	410	15	3.4	2.8
13	---	---	---	---	---	---	2180	555	365	17	3.4	2.8
14	---	---	---	---	---	---	1850	555	330	21	3.2	2.8
15	---	---	---	---	---	---	1450	525	338	19	3.2	2.8
16	---	---	---	---	---	---	1120	495	357	18	3.2	2.8
17	---	---	---	---	---	---	850	452	344	16	3.0	2.8
18	---	---	---	---	---	---	1020	410	338	14	2.7	2.8
19	---	---	---	---	---	---	920	385	300	14	2.6	2.8
20	---	---	---	---	---	---	832	368	256	15	2.6	2.8
21	---	---	---	---	---	---	920	363	228	14	2.4	2.8
22	---	---	---	---	---	---	920	363	205	13	2.6	2.6
23	---	---	---	---	---	---	850	349	195	13	2.6	2.8
24	---	---	---	---	---	---	780	317	195	12	2.6	3.4
25	---	---	---	---	---	---	615	269	178	11	2.6	3.8
26	---	---	---	---	---	---	525	220	168	10	2.6	3.2
27	---	---	---	---	---	---	510	195	150	9.2	4.0	3.0
28	---	---	---	---	---	---	555	192	130	7.8	3.4	2.8
29	---	---	---	---	---	---	690	192	108	7.0	4.0	2.8
30	---	---	---	---	---	---	690	205	90	5.9	3.6	2.8
31	---	---	---	---	---	---	---	243	---	5.3	3.2	---
TOTAL	---	---	---	---	---	---	30250	13658	8729	695.2	97.9	85.0
MEAN	---	---	---	---	---	---	1008	441	291	22.4	3.16	2.83
MAX	---	---	---	---	---	---	2570	690	510	71	4.4	3.8
MIN	---	---	---	---	---	---	245	192	90	5.3	2.4	2.4
AC-FT	---	---	---	---	---	---	60000	27090	17310	1380	194	169

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1930 TO SEPTEMBER 1931
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	156	67	4.8	2.0	1.8	1.7
2	---	---	---	---	---	---	185	64	5.1	2.0	1.8	1.7
3	---	---	---	---	---	---	232	69	4.6	2.0	1.8	1.8
4	---	---	---	---	---	---	225	72	4.4	1.8	1.8	1.8
5	---	---	---	---	---	---	195	69	4.4	1.8	1.8	2.0
6	---	---	---	---	---	---	215	66	4.2	1.8	1.8	2.0
7	---	---	---	---	---	---	410	60	4.0	1.8	1.8	2.0
8	---	---	---	---	---	---	393	58	4.2	1.8	1.8	2.0
9	---	---	---	---	---	---	306	57	3.8	1.8	1.8	2.0
10	---	---	---	---	---	---	261	54	3.6	1.6	1.8	2.0
11	---	---	---	---	---	---	210	47	3.4	1.6	1.8	1.8
12	---	---	---	---	---	---	198	40	3.2	1.7	1.8	2.1
13	---	---	---	---	---	---	198	35	3.0	1.6	1.8	2.1
14	---	---	---	---	---	---	183	27	2.8	1.7	1.8	2.1
15	---	---	---	---	---	---	154	20	2.8	1.8	1.8	2.2
16	---	---	---	---	---	---	132	20	2.8	1.8	1.8	2.2
17	---	---	---	---	---	---	110	18	3.0	1.8	1.8	2.1
18	---	---	---	---	---	---	94	17	3.2	1.8	1.8	2.0
19	---	---	---	---	---	---	84	14	2.8	1.8	1.8	2.3
20	---	---	---	---	---	---	83	11	3.0	1.7	1.8	2.3
21	---	---	---	---	---	---	69	11	3.0	1.7	1.8	2.3
22	---	---	---	---	---	---	64	10	2.8	1.8	1.8	2.3
23	---	---	---	---	---	---	66	8.6	2.6	1.8	1.8	2.4
24	---	---	---	---	---	---	69	7.5	2.6	2.0	1.8	2.6
25	---	---	---	---	---	---	74	7.2	2.4	2.0	1.6	2.6
26	---	---	---	---	---	---	78	6.7	2.2	1.8	1.6	2.6
27	---	---	---	---	---	---	76	6.2	2.2	1.8	1.6	2.6
28	---	---	---	---	---	---	71	5.6	2.2	1.8	1.6	2.6
29	---	---	---	---	---	---	70	5.6	2.1	1.8	1.6	2.6
30	---	---	---	---	---	---	68	5.3	2.0	1.8	1.7	2.6
31	---	---	---	---	---	---	---	5.1	---	1.8	1.6	---
TOTAL	---	---	---	---	---	---	4729	963.8	97.2	55.8	54.5	65.4
MEAN	---	---	---	---	---	---	158	31.1	3.24	1.80	1.76	2.18
MAX	---	---	---	---	---	---	410	72	5.1	2.0	1.8	2.6
MIN	---	---	---	---	---	---	64	5.1	2.0	1.6	1.6	1.7
AC-FT	---	---	---	---	---	---	9380	1910	193	111	108	130

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LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1929 TO SEPTEMBER 1930
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	466	123	136	8.9	2.1	2.3
2	---	---	---	---	---	---	480	115	130	8.6	2.1	2.3
3	---	---	---	---	---	---	374	117	113	8.6	2.1	2.3
4	---	---	---	---	---	---	284	134	108	7.8	2.1	2.3
5	---	---	---	---	---	---	245	154	96	7.0	2.1	2.3
6	---	---	---	---	---	---	240	171	84	6.4	2.1	2.4
7	---	---	---	---	---	---	230	161	76	5.6	2.1	2.8
8	---	---	---	---	---	---	232	168	69	5.1	2.1	2.8
9	---	---	---	---	---	---	232	185	60	4.2	2.1	2.8
10	---	---	---	---	---	---	225	195	52	4.0	2.1	2.8
11	---	---	---	---	---	---	212	198	51	3.8	2.1	2.8
12	---	---	---	---	---	---	202	198	47	3.8	2.1	2.8
13	---	---	---	---	---	---	200	185	45	3.6	2.3	2.8
14	---	---	---	---	---	---	205	173	43	3.4	2.4	2.7
15	---	---	---	---	---	---	210	190	39	3.2	2.7	2.7
16	---	---	---	---	---	---	202	198	33	3.0	2.6	2.6
17	---	---	---	---	---	---	192	222	26	3.0	2.6	2.6
18	---	---	---	---	---	---	171	225	18	2.8	2.4	2.4
19	---	---	---	---	---	---	154	212	15	2.6	2.3	2.3
20	---	---	---	---	---	---	143	198	16	2.6	2.3	2.3
21	---	---	---	---	---	---	136	195	12	2.6	2.3	2.3
22	---	---	---	---	---	---	136	190	10	2.4	2.3	2.4
23	---	---	---	---	---	---	136	188	10	2.3	2.3	2.4
24	---	---	---	---	---	---	161	180	10	2.3	2.3	2.6
25	---	---	---	---	---	---	171	168	10	2.3	2.3	2.7
26	---	---	---	---	---	---	171	154	11	2.2	2.3	2.8
27	---	---	---	---	---	---	168	147	10	2.2	2.3	2.8
28	---	---	---	---	---	---	166	143	10	2.2	2.3	2.8
29	---	---	---	---	---	---	156	138	9.6	2.2	2.3	2.8
30	---	---	---	---	---	---	143	136	9.6	2.2	2.3	3.2
31	---	---	---	---	---	---	---	140	---	2.1	2.3	---
TOTAL	---	---	---	---	---	---	6443	5301	1359.2	123.0	70.1	77.9
MEAN	---	---	---	---	---	---	215	171	45.3	3.97	2.26	2.60
MAX	---	---	---	---	---	---	480	225	136	8.9	2.7	3.2
MIN	---	---	---	---	---	---	136	115	9.6	2.1	2.1	2.3
AC-FT	---	---	---	---	---	---	12780	10510	2700	244	139	155

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1928 TO SEPTEMBER 1929
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	150	450	58	4.8	2.6	2.7
2	---	---	---	---	---	---	150	450	51	4.8	2.6	2.6
3	---	---	---	---	---	---	150	349	45	4.6	2.6	2.6
4	---	---	---	---	---	---	150	275	35	4.4	2.6	2.6
5	---	---	---	---	---	---	150	275	32	4.4	2.4	2.7
6	---	---	---	---	---	---	150	275	31	4.2	2.6	3.0
7	---	---	---	---	---	---	150	275	28	4.0	2.4	3.2
8	---	---	---	---	---	---	150	275	25	3.8	2.4	3.4
9	---	---	---	---	---	---	150	275	22	3.8	2.3	3.4
10	---	---	---	---	---	---	150	195	23	3.6	2.3	3.2
11	---	---	---	---	---	---	150	192	24	3.6	2.3	3.0
12	---	---	---	---	---	---	147	183	23	3.2	2.3	2.8
13	---	---	---	---	---	---	161	180	19	3.2	2.3	2.8
14	---	---	---	---	---	---	205	175	18	3.0	2.3	2.8
15	---	---	---	---	---	---	354	161	18	2.8	2.3	2.8
16	---	---	---	---	---	---	600	154	20	2.8	2.3	2.7
17	---	---	---	---	---	---	1040	150	21	2.8	2.3	2.6
18	---	---	---	---	---	---	980	143	18	2.8	2.3	2.6
19	---	---	---	---	---	---	1260	138	16	2.8	2.3	2.6
20	---	---	---	---	---	---	1550	130	18	2.6	2.3	2.6
21	---	---	---	---	---	---	1000	123	18	2.6	2.3	2.7
22	---	---	---	---	---	---	1000	119	13	2.6	2.4	2.8
23	---	---	---	---	---	---	1000	117	11	2.6	2.6	3.0
24	---	---	---	---	---	---	1000	119	10	2.6	2.6	2.8
25	---	---	---	---	---	---	1000	115	8.9	2.6	2.6	3.0
26	---	---	---	---	---	---	570	112	7.2	2.4	2.7	3.2
27	---	---	---	---	---	---	540	108	6.7	2.3	2.7	3.4
28	---	---	---	---	---	---	495	104	6.2	2.4	2.8	3.4
29	---	---	---	---	---	---	525	93	5.6	2.4	2.8	3.4
30	---	---	---	---	---	---	540	81	5.1	2.4	2.8	3.4
31	---	---	---	---	---	---	---	69	---	2.6	2.8	---
TOTAL	---	---	---	---	---	---	15617	5860	636.7	99.5	76.9	87.8
MEAN	---	---	---	---	---	---	521	189	21.2	3.21	2.48	2.93
MAX	---	---	---	---	---	---	1550	450	58	4.8	2.8	3.4
MIN	---	---	---	---	---	---	147	69	5.1	2.3	2.3	2.6
AC-FT	---	---	---	---	---	---	30980	11620	1260	197	153	174

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1927 TO SEPTEMBER 1928
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	555	261	90	13	5.1	2.8
2	---	---	---	---	---	---	495	240	81	15	4.8	2.7
3	---	---	---	---	---	---	495	232	75	16	4.8	2.7
4	---	---	---	---	---	---	410	222	68	16	5.3	2.7
5	---	---	---	---	---	---	438	208	60	16	5.3	2.8
6	---	---	---	---	---	---	390	202	51	15	6.7	2.7
7	---	---	---	---	---	---	336	202	43	15	6.2	2.7
8	---	---	---	---	---	---	274	210	36	13	5.6	2.7
9	---	---	---	---	---	---	258	228	32	12	5.3	2.8
10	---	---	---	---	---	---	258	235	30	11	4.8	3.0
11	---	---	---	---	---	---	251	232	28	10	4.4	3.2
12	---	---	---	---	---	---	251	238	29	9.2	4.0	3.4
13	---	---	---	---	---	---	235	228	31	10	3.6	3.4
14	---	---	---	---	---	---	258	218	32	8.6	3.8	3.6
15	---	---	---	---	---	---	240	205	31	7.8	4.2	3.6
16	---	---	---	---	---	---	256	192	30	7.5	4.2	3.8
17	---	---	---	---	---	---	271	190	29	6.7	3.8	3.6
18	---	---	---	---	---	---	287	175	30	6.4	3.4	3.6
19	---	---	---	---	---	---	303	159	29	5.6	3.0	3.6
20	---	---	---	---	---	---	309	147	27	4.8	2.8	3.6
21	---	---	---	---	---	---	284	134	25	4.8	2.8	3.6
22	---	---	---	---	---	---	271	134	24	5.3	2.8	3.6
23	---	---	---	---	---	---	251	132	18	5.3	2.7	3.6
24	---	---	---	---	---	---	235	138	18	5.1	2.7	3.6
25	---	---	---	---	---	---	225	132	16	5.9	2.7	3.6
26	---	---	---	---	---	---	243	125	14	6.4	2.7	3.4
27	---	---	---	---	---	---	261	125	12	5.9	2.8	3.4
28	---	---	---	---	---	---	277	125	11	5.6	2.8	3.4
29	---	---	---	---	---	---	279	117	10	5.6	3.0	3.4
30	---	---	---	---	---	---	274	110	10	5.1	3.0	3.4
31	---	---	---	---	---	---	---	98	---	5.6	3.0	---
TOTAL	---	---	---	---	---	---	9170	5594	1020	279.2	122.1	98.0
MEAN	---	---	---	---	---	---	306	180	34.0	9.01	3.94	3.27
MAX	---	---	---	---	---	---	555	261	90	16	6.7	3.8
MIN	---	---	---	---	---	---	225	98	10	4.8	2.7	2.7
AC-FT	---	---	---	---	---	---	18190	11100	2020	554	242	194

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1926 TO SEPTEMBER 1927
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	438	1450	393	112	7.2	4.6
2	---	---	---	---	---	---	438	1350	363	103	7.0	4.6
3	---	---	---	---	---	---	600	1220	338	94	6.7	4.8
4	---	---	---	---	---	---	660	1000	333	88	6.7	4.8
5	---	---	---	---	---	---	705	885	333	83	6.7	4.6
6	---	---	---	---	---	---	868	815	363	76	6.2	4.6
7	---	---	---	---	---	---	1550	885	388	71	5.6	4.4
8	---	---	---	---	---	---	2750	1240	410	63	5.3	4.4
9	---	---	---	---	---	---	2990	1800	424	54	5.3	5.1
10	---	---	---	---	---	---	2010	1350	438	47	5.1	7.0
11	---	---	---	---	---	---	1600	1100	424	42	4.8	7.2
12	---	---	---	---	---	---	1350	850	393	39	4.8	6.4
13	---	---	---	---	---	---	1300	765	379	37	4.8	7.0
14	---	---	---	---	---	---	1400	735	360	35	5.3	7.2
15	---	---	---	---	---	---	1750	780	341	31	7.8	7.2
16	---	---	---	---	---	---	2400	868	311	28	10	7.0
17	---	---	---	---	---	---	2990	940	287	26	8.6	6.7
18	---	---	---	---	---	---	3350	940	264	24	7.2	6.2
19	---	---	---	---	---	---	2930	902	240	21	6.7	5.9
20	---	---	---	---	---	---	2180	815	218	20	6.2	5.6
21	---	---	---	---	---	---	1850	735	208	17	5.6	5.6
22	---	---	---	---	---	---	2060	660	198	15	5.3	5.6
23	---	---	---	---	---	---	2340	600	190	14	4.8	5.6
24	---	---	---	---	---	---	2750	525	178	13	4.6	5.6
25	---	---	---	---	---	---	2690	466	156	13	4.6	5.9
26	---	---	---	---	---	---	2570	452	154	12	4.4	6.4
27	---	---	---	---	---	---	2230	466	154	11	4.2	6.7
28	---	---	---	---	---	---	1960	495	147	10	4.2	6.7
29	---	---	---	---	---	---	1750	480	143	9.6	4.2	7.0
30	---	---	---	---	---	---	1550	452	130	8.2	4.0	7.0
31	---	---	---	---	---	---	---	410	---	7.2	4.0	---
TOTAL	---	---	---	---	---	---	56009	26431	8658	1224.0	177.9	177.4
MEAN	---	---	---	---	---	---	1867	853	289	39.5	5.74	5.91
MAX	---	---	---	---	---	---	3350	1800	438	112	10	7.2
MIN	---	---	---	---	---	---	438	410	130	7.2	4.0	4.4
AC-FT	---	---	---	---	---	---	111100	52430	17170	2430	353	352

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1925 TO SEPTEMBER 1926
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	194	87	8.5	3.4	2.0	2.3
2	---	---	---	---	---	---	192	74	7.9	3.4	2.0	2.3
3	---	---	---	---	---	---	178	71	7.3	3.1	2.0	2.3
4	---	---	---	---	---	---	169	63	7.0	3.1	2.0	2.4
5	---	---	---	---	---	---	194	58	6.4	3.1	2.0	2.4
6	---	---	---	---	---	---	218	58	6.4	2.9	2.0	2.6
7	---	---	---	---	---	---	242	60	6.4	2.9	2.1	2.6
8	---	---	---	---	---	---	284	61	6.4	4.2	2.1	2.6
9	---	---	---	---	---	---	290	59	6.1	4.2	2.1	2.6
10	---	---	---	---	---	---	300	53	6.1	4.4	2.1	2.6
11	---	---	---	---	---	---	272	49	6.1	3.9	2.1	2.6
12	---	---	---	---	---	---	252	47	6.1	3.6	2.1	2.6
13	---	---	---	---	---	---	242	44	5.8	3.1	2.1	2.6
14	---	---	---	---	---	---	240	38	4.9	2.9	2.3	2.6
15	---	---	---	---	---	---	247	33	4.9	2.6	2.1	2.6
16	---	---	---	---	---	---	247	29	4.7	2.6	2.1	2.6
17	---	---	---	---	---	---	225	26	4.9	2.4	2.1	2.9
18	---	---	---	---	---	---	218	24	4.9	2.4	2.3	2.9
19	---	---	---	---	---	---	209	22	5.2	2.4	2.3	2.9
20	---	---	---	---	---	---	199	21	5.5	2.4	2.1	2.9
21	---	---	---	---	---	---	194	19	5.6	2.4	2.1	3.1
22	---	---	---	---	---	---	181	17	5.8	2.3	2.3	3.1
23	---	---	---	---	---	---	158	16	5.2	2.3	2.3	2.9
24	---	---	---	---	---	---	146	16	4.9	2.3	2.3	2.9
25	---	---	---	---	---	---	132	16	4.9	2.3	2.3	2.9
26	---	---	---	---	---	---	121	16	4.4	2.1	2.3	3.1
27	---	---	---	---	---	---	113	16	4.4	2.1	2.1	3.1
28	---	---	---	---	---	---	99	13	3.9	2.0	2.3	3.1
29	---	---	---	---	---	---	98	11	3.4	1.8	2.1	3.4
30	---	---	---	---	---	---	93	10	3.4	2.0	2.1	3.4
31	---	---	---	---	---	---	---	10	---	2.0	2.3	---
TOTAL	---	---	---	---	---	---	5947	1137	167.4	86.6	66.5	82.9
MEAN	---	---	---	---	---	---	198	36.7	5.58	2.79	2.15	2.76
MAX	---	---	---	---	---	---	300	87	8.5	4.4	2.3	3.4
MIN	---	---	---	---	---	---	93	10	3.4	1.8	2.0	2.3
AC-FT	---	---	---	---	---	---	11800	2260	332	172	132	164

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LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1924 TO SEPTEMBER 1925
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	192	48	5.2	5.2
2	---	---	---	---	---	---	---	---	183	41	5.2	4.9
3	---	---	---	---	---	---	---	---	176	36	5.2	4.9
4	---	---	---	---	---	---	---	---	188	34	5.2	4.9
5	---	---	---	---	---	---	---	---	181	33	5.2	4.9
6	---	---	---	---	---	---	---	---	181	35	4.9	5.2
7	---	---	---	---	---	---	---	---	174	35	4.9	5.2
8	---	---	---	---	---	---	---	---	158	28	4.7	5.2
9	---	---	---	---	---	---	---	---	138	24	4.7	5.2
10	---	---	---	---	---	---	---	---	120	22	5.2	5.2
11	---	---	---	---	---	---	---	---	99	20	6.4	4.9
12	---	---	---	---	---	---	---	---	87	17	8.2	5.2
13	---	---	---	---	---	---	---	---	84	15	8.2	5.2
14	---	---	---	---	---	---	---	---	78	13	11	5.2
15	---	---	---	---	---	---	---	---	76	12	11	5.5
16	---	---	---	---	---	---	---	---	94	11	9.5	5.5
17	---	---	---	---	---	---	---	---	109	11	8.2	5.5
18	---	---	---	---	---	---	---	---	106	10	7.0	5.5
19	---	---	---	---	---	---	---	---	101	9.8	6.1	5.5
20	---	---	---	---	---	---	---	---	83	8.8	5.5	5.8
21	---	---	---	---	---	---	---	---	80	7.9	5.2	6.1
22	---	---	---	---	---	---	---	---	79	8.8	4.9	6.1
23	---	---	---	---	---	---	---	---	74	10	4.9	6.1
24	---	---	---	---	---	---	---	---	70	10	4.9	6.1
25	---	---	---	---	---	---	---	---	66	8.2	4.9	6.1
26	---	---	---	---	---	---	---	---	57	7.9	5.2	6.1
27	---	---	---	---	---	---	---	---	50	7.3	5.2	6.1
28	---	---	---	---	---	---	---	---	45	7.3	5.2	6.1
29	---	---	---	---	---	---	---	---	38	6.7	4.9	6.7
30	---	---	---	---	---	---	---	---	58	5.8	4.9	7.0
31	---	---	---	---	---	---	---	---	---	5.5	4.9	---
TOTAL	---	---	---	---	---	---	---	---	3225	549.0	186.6	167.1
MEAN	---	---	---	---	---	---	---	---	107	17.7	6.02	5.57
MAX	---	---	---	---	---	---	---	---	192	48	11	7.0
MIN	---	---	---	---	---	---	---	---	38	5.5	4.7	4.9
AC-FT	---	---	---	---	---	---	---	---	6400	1090	370	331

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1923 TO SEPTEMBER 1924
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	96	71	9.2	---	---	---
2	---	---	---	---	---	---	106	71	8.6	---	---	---
3	---	---	---	---	---	---	122	70	7.2	---	---	---
4	---	---	---	---	---	---	148	69	5.9	---	---	---
5	---	---	---	---	---	---	160	65	5.7	---	---	---
6	---	---	---	---	---	---	160	61	5.3	---	---	---
7	---	---	---	---	---	---	175	57	5.1	---	---	---
8	---	---	---	---	---	---	195	51	5.1	---	---	---
9	---	---	---	---	---	---	208	50	5.1	---	---	---
10	---	---	---	---	---	---	205	44	6.5	---	---	---
11	---	---	---	---	---	---	212	38	6.5	---	---	---
12	---	---	---	---	---	---	249	34	6.3	---	---	---
13	---	---	---	---	---	---	269	32	6.1	---	---	---
14	---	---	---	---	---	---	272	30	5.7	---	---	---
15	---	---	---	---	---	---	228	26	5.7	---	---	---
16	---	---	---	---	---	---	200	23	5.5	---	---	---
17	---	---	---	---	---	---	166	21	5.3	---	---	---
18	---	---	---	---	---	---	154	21	5.3	---	---	---
19	---	---	---	---	---	---	136	15	5.1	---	---	---
20	---	---	---	---	---	---	125	14	4.9	---	---	---
21	---	---	---	---	---	---	118	14	4.7	---	---	---
22	---	---	---	---	---	---	113	13	4.5	---	---	---
23	---	---	---	---	---	---	108	11	4.3	---	---	---
24	---	---	---	---	---	---	101	10	4.2	---	---	---
25	---	---	---	---	---	---	99	9.5	4.0	---	---	---
26	---	---	---	---	---	---	95	8.6	3.5	---	---	---
27	---	---	---	---	---	---	88	8.3	3.5	---	---	---
28	---	---	---	---	---	---	84	8.3	3.4	---	---	---
29	---	---	---	---	---	---	77	8.6	3.4	---	---	---
30	---	---	---	---	---	---	71	9.5	3.4	---	---	---
31	---	---	---	---	---	---	---	10	---	---	---	---
TOTAL	---	---	---	---	---	---	4540	973.8	159.0	---	---	---
MEAN	---	---	---	---	---	---	151	31.4	5.30	---	---	---
MAX	---	---	---	---	---	---	272	71	9.2	---	---	---
MIN	---	---	---	---	---	---	71	8.3	3.4	---	---	---
AC-FT	---	---	---	---	---	---	9010	1930	315	---	---	---

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1922 TO SEPTEMBER 1923
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	340	188	148	8.1	---
2	---	---	---	---	---	---	---	311	195	136	8.1	---
3	---	---	---	---	---	---	---	283	191	125	7.4	---
4	---	---	---	---	---	---	---	274	177	115	7.4	---
5	---	---	---	---	---	---	---	274	156	104	7.8	---
6	---	---	---	---	---	---	---	294	154	95	8.1	---
7	---	---	---	---	---	---	---	308	171	87	8.8	---
8	---	---	---	---	---	---	---	286	208	77	10	---
9	---	---	---	---	---	---	---	286	244	69	11	---
10	---	---	---	---	---	---	---	286	218	61	12	---
11	---	---	---	---	---	---	---	286	193	56	12	---
12	---	---	---	---	---	---	---	286	191	49	9.2	---
13	---	---	---	---	---	---	---	286	188	44	8.4	---
14	---	---	---	---	---	---	---	263	186	41	8.4	---
15	---	---	---	---	---	---	---	247	179	38	8.8	---
16	---	---	---	---	---	---	---	230	175	35	8.4	---
17	---	---	---	---	---	---	---	218	179	32	7.8	---
18	---	---	---	---	---	---	---	220	179	29	7.0	---
19	---	---	---	---	---	---	---	220	166	26	20	---
20	---	---	---	---	---	---	---	225	158	22	26	---
21	---	---	---	---	---	---	---	212	158	21	21	---
22	---	---	---	---	---	---	---	202	186	20	19	---
23	---	---	---	---	---	---	---	202	205	17	16	---
24	---	---	---	---	---	---	---	198	241	13	13	---
25	---	---	---	---	---	---	---	191	277	13	11	---
26	---	---	---	---	---	---	---	186	258	14	9.5	---
27	---	---	---	---	---	---	---	184	225	12	8.8	---
28	---	---	---	---	---	---	---	184	193	11	8.1	---
29	---	---	---	---	---	---	---	171	182	10	7.8	---
30	---	---	---	---	---	---	---	169	162	8.8	7.4	---
31	---	---	---	---	---	---	---	175	---	8.4	7.8	---
TOTAL	---	---	---	---	---	---	---	7497	5783	1537.2	334.1	---
MEAN	---	---	---	---	---	---	---	242	193	49.6	10.8	---
MAX	---	---	---	---	---	---	---	340	277	148	26	---
MIN	---	---	---	---	---	---	---	169	154	8.4	7.0	---
AC-FT	---	---	---	---	---	---	---	14870	11470	3050	663	---

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1920 TO SEPTEMBER 1921
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	920	90	9.2	4.5
2	---	---	---	---	---	---	---	---	870	81	14	4.5
3	---	---	---	---	---	---	---	---	838	62	8.0	4.5
4	---	---	---	---	---	---	---	---	714	67	6.8	4.5
5	---	---	---	---	---	---	---	---	684	56	6.3	4.5
6	---	---	---	---	---	---	---	---	684	52	6.0	4.5
7	---	---	---	---	---	---	---	---	699	47	5.8	4.5
8	---	---	---	---	---	---	---	---	653	44	5.8	4.5
9	---	---	---	---	---	---	---	---	623	40	5.6	4.5
10	---	---	---	---	---	---	---	---	588	39	5.4	4.5
11	---	---	---	---	---	---	---	---	554	35	5.3	4.5
12	---	---	---	---	---	---	---	---	520	31	5.4	4.5
13	---	---	---	---	---	---	---	---	463	28	5.8	4.4
14	---	---	---	---	---	---	---	---	435	23	6.0	4.4
15	---	---	---	---	---	---	---	---	380	22	5.8	4.5
16	---	---	---	---	---	---	---	---	366	21	5.8	4.5
17	---	---	---	---	---	---	---	---	337	19	5.4	4.5
18	---	---	---	---	---	---	---	---	293	18	5.4	4.5
19	---	---	---	---	---	---	---	---	250	17	5.4	4.9
20	---	---	---	---	---	---	---	---	228	17	5.4	5.6
21	---	---	---	---	---	---	---	---	208	16	5.4	5.7
22	---	---	---	---	---	---	---	---	178	15	5.4	5.7
23	---	---	---	---	---	---	---	---	158	14	5.4	5.7
24	---	---	---	---	---	---	---	---	152	14	5.3	5.7
25	---	---	---	---	---	---	---	---	137	14	5.3	5.7
26	---	---	---	---	---	---	---	---	123	14	5.1	5.8
27	---	---	---	---	---	---	---	---	113	12	5.3	6.0
28	---	---	---	---	---	---	---	---	99	11	4.7	6.0
29	---	---	---	---	---	---	---	---	99	10	4.5	6.0
30	---	---	---	---	---	---	---	---	101	9.2	4.4	6.0
31	---	---	---	---	---	---	---	---	---	8.6	4.4	---
TOTAL	---	---	---	---	---	---	---	---	12467	946.8	183.8	149.6
MEAN	---	---	---	---	---	---	---	---	416	30.5	5.93	4.99
MAX	---	---	---	---	---	---	---	---	920	90	14	6.0
MIN	---	---	---	---	---	---	---	---	99	8.6	4.4	4.4
AC-FT	---	---	---	---	---	---	---	---	24730	1880	365	297

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1919 TO SEPTEMBER 1920
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	136	41	11	2.6	2.6
2	---	---	---	---	---	---	---	128	34	9.0	2.6	2.6
3	---	---	---	---	---	---	---	123	30	7.7	2.6	2.6
4	---	---	---	---	---	---	---	117	28	7.7	2.6	2.6
5	---	---	---	---	---	---	---	108	29	7.4	2.6	2.7
6	---	---	---	---	---	---	---	104	28	7.1	2.6	2.6
7	---	---	---	---	---	---	---	109	28	3.3	2.6	2.7
8	---	---	---	---	---	---	---	106	25	3.0	2.6	2.9
9	---	---	---	---	---	---	---	109	26	3.0	2.6	3.5
10	---	---	---	---	---	---	---	110	28	3.0	2.6	3.1
11	---	---	---	---	---	---	---	115	25	3.0	2.6	3.0
12	---	---	---	---	---	---	---	115	23	3.0	2.6	2.9
13	---	---	---	---	---	---	---	113	23	3.0	2.6	2.6
14	---	---	---	---	---	---	---	109	22	3.0	2.5	2.6
15	---	---	---	---	---	---	---	105	20	3.0	2.5	2.6
16	---	---	---	---	---	---	---	108	23	3.0	2.5	2.6
17	---	---	---	---	---	---	---	99	23	3.0	2.4	2.6
18	---	---	---	---	---	---	---	95	13	3.0	2.5	2.6
19	---	---	---	---	---	---	---	91	12	3.0	2.5	2.6
20	---	---	---	---	---	---	---	89	13	3.0	2.5	2.6
21	---	---	---	---	---	---	---	82	10	3.0	2.5	2.6
22	---	---	---	---	---	---	---	77	8.5	3.0	2.5	2.6
23	---	---	---	---	---	---	---	72	6.5	3.0	2.5	2.6
24	---	---	---	---	---	---	---	71	6.5	3.0	2.5	2.6
25	---	---	---	---	---	---	---	65	7.1	3.0	2.5	2.6
26	---	---	---	---	---	---	---	60	7.4	3.0	2.5	2.6
27	---	---	---	---	---	---	---	49	7.4	3.0	2.5	2.6
28	---	---	---	---	---	---	---	41	7.1	3.0	2.5	2.6
29	---	---	---	---	---	---	---	43	8.5	3.0	2.5	2.6
30	---	---	---	---	---	---	---	43	12	3.0	2.5	2.6
31	---	---	---	---	---	---	---	43	---	3.0	2.5	---
TOTAL	---	---	---	---	---	---	---	2835	575.0	125.2	78.7	80.6
MEAN	---	---	---	---	---	---	---	91.5	19.2	4.04	2.54	2.69
MAX	---	---	---	---	---	---	---	136	41	11	2.6	3.5
MIN	---	---	---	---	---	---	---	41	6.5	3.0	2.4	2.6
AC-FT	---	---	---	---	---	---	---	5620	1140	248	156	160

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1918 TO SEPTEMBER 1919
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	113	5.4	2.5	2.5
2	---	---	---	---	---	---	---	---	108	5.1	2.5	2.5
3	---	---	---	---	---	---	---	---	94	4.8	2.5	2.6
4	---	---	---	---	---	---	---	---	82	4.6	2.5	2.6
5	---	---	---	---	---	---	---	---	76	4.3	2.5	2.6
6	---	---	---	---	---	---	---	---	64	4.1	2.5	2.6
7	---	---	---	---	---	---	---	---	55	3.8	2.5	2.6
8	---	---	---	---	---	---	---	---	45	3.8	2.5	2.6
9	---	---	---	---	---	---	---	---	36	3.5	2.5	2.6
10	---	---	---	---	---	---	---	---	31	3.5	2.5	2.6
11	---	---	---	---	---	---	---	---	29	3.3	2.5	2.7
12	---	---	---	---	---	---	---	---	28	3.2	2.5	2.7
13	---	---	---	---	---	---	---	---	26	3.0	2.5	2.7
14	---	---	---	---	---	---	---	---	19	3.0	2.4	2.7
15	---	---	---	---	---	---	---	---	13	3.0	2.5	2.7
16	---	---	---	---	---	---	---	---	13	2.9	2.5	3.0
17	---	---	---	---	---	---	---	---	12	2.7	2.5	3.8
18	---	---	---	---	---	---	---	---	12	2.7	2.5	3.8
19	---	---	---	---	---	---	---	---	12	2.7	2.5	3.7
20	---	---	---	---	---	---	---	---	12	2.6	2.5	3.3
21	---	---	---	---	---	---	---	---	9.3	2.6	2.5	3.2
22	---	---	---	---	---	---	---	---	8.9	2.6	2.5	3.2
23	---	---	---	---	---	---	---	---	8.5	2.6	2.5	3.2
24	---	---	---	---	---	---	---	---	7.0	2.7	2.4	3.2
25	---	---	---	---	---	---	---	---	6.5	2.6	2.4	3.2
26	---	---	---	---	---	---	---	---	6.2	2.6	2.4	3.8
27	---	---	---	---	---	---	---	---	5.6	2.6	2.4	3.8
28	---	---	---	---	---	---	---	---	5.1	2.6	2.4	3.8
29	---	---	---	---	---	---	---	---	5.1	2.6	2.5	3.8
30	---	---	---	---	---	---	---	---	5.4	2.7	2.5	3.8
31	---	---	---	---	---	---	---	---	---	2.6	2.5	---
TOTAL	---	---	---	---	---	---	---	---	947.6	100.8	76.9	91.9
MEAN	---	---	---	---	---	---	---	---	31.6	3.25	2.48	3.06
MAX	---	---	---	---	---	---	---	---	113	5.4	2.5	3.8
MIN	---	---	---	---	---	---	---	---	5.1	2.6	2.4	2.5
AC-FT	---	---	---	---	---	---	---	---	1880	200	153	182

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1917 TO SEPTEMBER 1918
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	195	58	18	2.8	3.8
2	---	---	---	---	---	---	---	195	54	16	2.8	4.0
3	---	---	---	---	---	---	---	195	48	14	2.7	4.2
4	---	---	---	---	---	---	---	190	43	13	2.7	4.4
5	---	---	---	---	---	---	---	195	40	11	2.8	4.6
6	---	---	---	---	---	---	---	202	37	9.0	2.8	4.8
7	---	---	---	---	---	---	---	200	34	7.8	2.8	5.0
8	---	---	---	---	---	---	---	193	33	6.6	2.9	5.2
9	---	---	---	---	---	---	---	190	35	6.6	2.9	5.4
10	---	---	---	---	---	---	---	176	35	6.3	2.8	5.6
11	---	---	---	---	---	---	---	160	35	6.0	3.3	5.8
12	---	---	---	---	---	---	---	142	33	6.1	3.6	6.0
13	---	---	---	---	---	---	---	118	27	6.2	3.6	6.0
14	---	---	---	---	---	---	---	113	27	6.4	3.6	8.4
15	---	---	---	---	---	---	---	108	27	6.6	3.6	12
16	---	---	---	---	---	---	---	102	34	6.8	3.6	11
17	---	---	---	---	---	---	---	100	37	6.9	3.6	8.7
18	---	---	---	---	---	---	---	92	35	6.6	3.6	8.1
19	---	---	---	---	---	---	---	87	33	6.0	3.6	7.5
20	---	---	---	---	---	---	---	77	40	5.5	3.6	6.9
21	---	---	---	---	---	---	---	67	40	4.6	3.6	6.3
22	---	---	---	---	---	---	---	64	40	4.8	3.6	6.0
23	---	---	---	---	---	---	---	60	40	4.6	3.6	6.0
24	---	---	---	---	---	---	---	57	67	4.6	3.5	6.1
25	---	---	---	---	---	---	---	48	57	3.9	3.5	6.2
26	---	---	---	---	---	---	---	46	52	3.2	3.4	6.3
27	---	---	---	---	---	---	---	44	40	3.2	3.3	6.3
28	---	---	---	---	---	---	---	54	31	3.2	3.3	6.5
29	---	---	---	---	---	---	---	57	26	3.0	3.3	6.5
30	---	---	---	---	---	---	---	60	20	2.9	3.3	6.5
31	---	---	---	---	---	---	---	61	---	2.9	3.6	---
TOTAL	---	---	---	---	---	---	---	3648	1158	212.3	101.7	190.1
MEAN	---	---	---	---	---	---	---	118	38.6	6.85	3.28	6.34
MAX	---	---	---	---	---	---	---	202	67	18	3.6	12
MIN	---	---	---	---	---	---	---	44	20	2.9	2.7	3.8
AC-FT	---	---	---	---	---	---	---	7240	2300	421	202	377

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1916 TO SEPTEMBER 1917
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	---	---	---	---	---	---	---	852	132	17	---
2	9.6	---	---	---	---	---	---	---	792	114	17	---
3	10	---	---	---	---	---	---	---	749	98	15	---
4	11	---	---	---	---	---	---	---	712	91	13	---
5	11	---	---	---	---	---	---	---	675	84	12	---
6	11	---	---	---	---	---	---	---	639	77	12	---
7	13	---	---	---	---	---	---	---	602	73	10	---
8	14	---	---	---	---	---	---	---	565	69	10	---
9	14	---	---	---	---	---	---	---	565	65	11	---
10	14	---	---	---	---	---	---	---	579	61	10	---
11	17	---	---	---	---	---	---	---	565	56	9.7	---
12	16	---	---	---	---	---	---	---	551	52	10	---
13	16	---	---	---	---	---	---	---	510	48	9.4	---
14	15	---	---	---	---	---	---	---	469	44	9.0	---
15	15	---	---	---	---	---	---	---	438	40	9.0	---
16	15	---	---	---	---	---	---	---	407	36	8.4	---
17	15	---	---	---	---	---	---	---	398	37	9.0	---
18	14	---	---	---	---	---	---	---	389	37	11	---
19	15	---	---	---	---	---	---	---	380	35	9.7	---
20	16	---	---	---	---	---	---	---	369	32	9.7	---
21	15	---	---	---	---	---	---	---	343	29	9.0	---
22	15	---	---	---	---	---	---	---	319	27	8.4	---
23	15	---	---	---	---	---	---	---	288	26	8.1	---
24	15	---	---	---	---	---	---	---	257	26	7.8	---
25	15	---	---	---	---	---	---	---	232	26	7.5	---
26	15	---	---	---	---	---	---	---	217	25	8.4	---
27	15	---	---	---	---	---	---	---	195	24	8.7	---
28	14	---	---	---	---	---	---	---	174	22	9.0	---
29	14	---	---	---	---	---	---	---	165	20	9.0	---
30	14	---	---	---	---	---	---	---	138	18	8.1	---
31	14	---	---	---	---	---	---	---	---	18	7.5	---
TOTAL	431.2	---	---	---	---	---	---	---	13534	1542	313.4	---
MEAN	13.9	---	---	---	---	---	---	---	451	49.7	10.1	---
MAX	17	---	---	---	---	---	---	---	852	132	17	---
MIN	8.6	---	---	---	---	---	---	---	138	18	7.5	---
AC-FT	855	---	---	---	---	---	---	---	26840	3060	622	---

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1915 TO SEPTEMBER 1916
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	276	75	9.2	7.4
2	---	---	---	---	---	---	---	---	269	68	9.2	7.2
3	---	---	---	---	---	---	---	---	259	72	8.6	6.9
4	---	---	---	---	---	---	---	---	252	72	8.3	6.6
5	---	---	---	---	---	---	---	---	254	70	7.7	7.2
6	---	---	---	---	---	---	---	---	256	67	7.4	8.0
7	---	---	---	---	---	---	---	---	254	62	7.2	7.7
8	---	---	---	---	---	---	---	---	240	55	7.2	7.4
9	---	---	---	---	---	---	---	---	235	49	7.2	7.4
10	---	---	---	---	---	---	---	---	225	44	6.9	8.0
11	---	---	---	---	---	---	---	---	218	42	6.9	8.6
12	---	---	---	---	---	---	---	---	205	39	7.2	6.9
13	---	---	---	---	---	---	---	---	182	36	6.6	6.4
14	---	---	---	---	---	---	---	---	160	33	6.4	6.4
15	---	---	---	---	---	---	---	---	138	31	6.4	6.4
16	---	---	---	---	---	---	---	---	134	31	6.4	6.4
17	---	---	---	---	---	---	---	---	142	31	6.4	6.6
18	---	---	---	---	---	---	---	---	140	32	6.4	6.4
19	---	---	---	---	---	---	---	---	144	30	7.2	6.4
20	---	---	---	---	---	---	---	---	160	23	7.7	6.9
21	---	---	---	---	---	---	---	---	154	21	8.0	6.6
22	---	---	---	---	---	---	---	---	144	19	8.0	7.7
23	---	---	---	---	---	---	---	---	134	17	7.7	8.9
24	---	---	---	---	---	---	---	---	123	15	7.2	8.0
25	---	---	---	---	---	---	---	---	108	13	6.9	7.7
26	---	---	---	---	---	---	---	---	99	13	6.9	7.4
27	---	---	---	---	---	---	---	---	80	11	7.2	7.7
28	---	---	---	---	---	---	---	---	72	12	6.9	7.2
29	---	---	---	---	---	---	---	---	73	11	7.4	7.7
30	---	---	---	---	---	---	---	---	79	10	7.2	8.0
31	---	---	---	---	---	---	---	---	---	9.6	7.2	---
TOTAL	---	---	---	---	---	---	---	---	5209	1113.6	227.1	218.1
MEAN	---	---	---	---	---	---	---	---	174	35.9	7.33	7.27
MAX	---	---	---	---	---	---	---	---	276	75	9.2	8.9
MIN	---	---	---	---	---	---	---	---	72	9.6	6.4	6.4
AC-FT	---	---	---	---	---	---	---	---	10330	2210	450	433

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DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1914 TO SEPTEMBER 1915
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	---	---	---	---	---	---	---	51	11	---	---
2	15	---	---	---	---	---	---	---	50	10	---	---
3	18	---	---	---	---	---	---	---	48	10	---	---
4	19	---	---	---	---	---	---	---	47	9.0	---	---
5	18	---	---	---	---	---	---	---	45	9.0	---	---
6	15	---	---	---	---	---	---	---	44	8.0	---	---
7	16	---	---	---	---	---	---	---	42	11	---	---
8	16	---	---	---	---	---	---	---	40	9.0	---	---
9	16	---	---	---	---	---	---	---	39	9.0	---	---
10	18	---	---	---	---	---	---	---	37	9.0	---	---
11	18	---	---	---	---	---	---	---	36	9.0	---	---
12	17	---	---	---	---	---	---	---	34	8.0	---	---
13	16	---	---	---	---	---	---	---	32	8.0	---	---
14	17	---	---	---	---	---	---	---	30	8.0	---	---
15	16	---	---	---	---	---	---	---	28	8.0	---	---
16	16	---	---	---	---	---	---	---	26	7.0	---	---
17	18	---	---	---	---	---	---	---	26	7.0	---	---
18	23	---	---	---	---	---	---	---	26	6.0	---	---
19	25	---	---	---	---	---	---	---	26	6.0	---	---
20	23	---	---	---	---	---	---	---	26	5.0	---	---
21	27	---	---	---	---	---	---	---	26	5.0	---	---
22	32	---	---	---	---	---	---	---	24	5.0	---	---
23	32	---	---	---	---	---	---	---	22	5.0	---	---
24	32	---	---	---	---	---	---	---	20	5.0	---	---
25	31	---	---	---	---	---	---	---	19	5.0	---	---
26	29	---	---	---	---	---	---	---	16	5.0	---	---
27	25	---	---	---	---	---	---	---	14	5.0	---	---
28	24	---	---	---	---	---	---	---	12	5.0	---	---
29	23	---	---	---	---	---	---	---	12	5.0	---	---
30	24	---	---	---	---	---	---	---	11	5.0	---	---
31	23	---	---	---	---	---	---	---	---	5.0	---	---
TOTAL	657	---	---	---	---	---	---	---	909	222.0	---	---
MEAN	21.2	---	---	---	---	---	---	---	30.3	7.16	---	---
MAX	32	---	---	---	---	---	---	---	51	11	---	---
MIN	15	---	---	---	---	---	---	---	11	5.0	---	---
AC-FT	1300	---	---	---	---	---	---	---	1800	440	---	---

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1913 TO SEPTEMBER 1914
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	38	8.9	7.3
2	---	---	---	---	---	---	---	---	---	35	9.1	7.5
3	---	---	---	---	---	---	---	---	---	32	8.6	7.5
4	---	---	---	---	---	---	---	---	---	36	8.9	7.3
5	---	---	---	---	---	---	---	---	---	40	9.4	7.0
6	---	---	---	---	---	---	---	---	---	39	9.4	7.0
7	---	---	---	---	---	---	---	---	---	41	8.4	7.0
8	---	---	---	---	---	---	---	---	---	38	8.0	7.0
9	---	---	---	---	---	---	---	---	---	30	7.7	6.8
10	---	---	---	---	---	---	---	---	---	40	7.0	6.8
11	---	---	---	---	---	---	---	---	---	43	6.4	6.6
12	---	---	---	---	---	---	---	---	---	38	6.1	7.7
13	---	---	---	---	---	---	---	---	---	37	6.1	8.9
14	---	---	---	---	---	---	---	---	---	41	6.1	10
15	---	---	---	---	---	---	---	---	---	42	6.3	13
16	---	---	---	---	---	---	---	---	---	39	6.1	14
17	---	---	---	---	---	---	---	---	---	25	6.1	15
18	---	---	---	---	---	---	---	---	---	19	6.1	14
19	---	---	---	---	---	---	---	---	---	19	7.5	14
20	---	---	---	---	---	---	---	---	---	18	9.7	13
21	---	---	---	---	---	---	---	---	---	23	8.4	13
22	---	---	---	---	---	---	---	---	---	22	8.0	12
23	---	---	---	---	---	---	---	---	---	22	8.0	11
24	---	---	---	---	---	---	---	---	---	21	8.0	11
25	---	---	---	---	---	---	---	---	---	20	8.0	11
26	---	---	---	---	---	---	---	---	---	14	8.0	11
27	---	---	---	---	---	---	---	---	---	11	7.7	12
28	---	---	---	---	---	---	---	---	---	10	7.7	13
29	---	---	---	---	---	---	---	---	---	11	7.7	15
30	---	---	---	---	---	---	---	---	---	10	7.5	14
31	---	---	---	---	---	---	---	---	---	11	7.5	---
TOTAL	---	---	---	---	---	---	---	---	---	865	238.4	310.4
MEAN	---	---	---	---	---	---	---	---	---	27.9	7.69	10.3
MAX	---	---	---	---	---	---	---	---	---	43	9.7	15
MIN	---	---	---	---	---	---	---	---	---	10	6.1	6.6
AC-FT	---	---	---	---	---	---	---	---	---	1720	473	616

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1912 TO SEPTEMBER 1913
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	---	---	---	---	---	---	370	170	64	18	---
2	10	---	---	---	---	---	---	349	160	57	15	---
3	13	---	---	---	---	---	---	314	149	48	15	---
4	18	---	---	---	---	---	---	288	136	48	19	---
5	23	---	---	---	---	---	---	267	130	43	18	---
6	22	---	---	---	---	---	---	264	122	39	17	---
7	21	---	---	---	---	---	---	269	119	38	17	---
8	22	---	---	---	---	---	---	280	120	32	16	---
9	23	---	---	---	---	---	---	291	122	27	16	---
10	22	---	---	---	---	---	---	296	122	24	15	---
11	22	---	---	---	---	---	---	294	142	21	13	---
12	21	---	---	---	---	---	---	280	156	20	12	---
13	20	---	---	---	---	---	---	269	156	18	12	---
14	19	---	---	---	---	---	---	251	156	16	11	---
15	20	---	---	---	---	---	---	234	145	14	9.4	---
16	20	---	---	---	---	---	---	221	127	14	9.1	---
17	20	---	---	---	---	---	---	216	110	14	8.9	---
18	19	---	---	---	---	---	---	216	96	12	11	---
19	18	---	---	---	---	---	---	216	86	12	14	---
20	19	---	---	---	---	---	---	212	76	12	16	---
21	18	---	---	---	---	---	---	196	64	12	15	---
22	17	---	---	---	---	---	---	176	63	12	15	---
23	19	---	---	---	---	---	---	164	61	12	15	---
24	20	---	---	---	---	---	---	162	61	22	15	---
25	20	---	---	---	---	---	---	170	59	42	13	---
26	20	---	---	---	---	---	---	176	59	37	13	---
27	21	---	---	---	---	---	---	180	66	27	14	---
28	31	---	---	---	---	---	---	194	66	23	14	---
29	32	---	---	---	---	---	---	189	66	21	13	---
30	37	---	---	---	---	---	---	187	65	20	12	---
31	36	---	---	---	---	---	---	183	---	18	12	---
TOTAL	651.2	---	---	---	---	---	---	7374	3230	819	433.4	---
MEAN	21.0	---	---	---	---	---	---	238	108	26.4	14.0	---
MAX	37	---	---	---	---	---	---	370	170	64	19	---
MIN	8.2	---	---	---	---	---	---	162	59	12	8.9	---
AC-FT	1290	---	---	---	---	---	---	14630	6410	1620	860	---

STATION NUMBER 13141500 CAMAS CREEK NR BLAINE ID STREAM SOURCE AGENCY USGS
LATITUDE 431959 LONGITUDE 1143227 DRAINAGE AREA 648.00 DATUM 4870.00 STATE 16 COUNTY 025

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1911 TO SEPTEMBER 1912
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	384	25	41	8.9
2	---	---	---	---	---	---	---	---	358	23	42	8.0
3	---	---	---	---	---	---	---	---	286	23	28	7.0
4	---	---	---	---	---	---	---	---	221	24	22	7.0
5	---	---	---	---	---	---	---	---	210	23	20	6.8
6	---	---	---	---	---	---	---	---	187	22	20	6.8
7	---	---	---	---	---	---	---	---	176	22	17	6.8
8	---	---	---	---	---	---	---	---	176	20	16	6.8
9	---	---	---	---	---	---	---	---	221	20	16	6.8
10	---	---	---	---	---	---	---	---	210	18	15	6.8
11	---	---	---	---	---	---	---	---	210	18	13	6.8
12	---	---	---	---	---	---	---	---	198	18	12	5.7
13	---	---	---	---	---	---	---	---	176	18	11	5.5
14	---	---	---	---	---	---	---	---	187	17	11	5.7
15	---	---	---	---	---	---	---	---	176	15	10	6.1
16	---	---	---	---	---	---	---	---	166	11	9.1	6.6
17	---	---	---	---	---	---	---	---	156	10	8.9	6.8
18	---	---	---	---	---	---	---	---	147	9.1	9.4	6.8
19	---	---	---	---	---	---	---	---	114	8.9	9.1	7.0
20	---	---	---	---	---	---	---	---	86	8.6	9.7	7.3
21	---	---	---	---	---	---	---	---	74	8.6	9.4	7.5
22	---	---	---	---	---	---	---	---	68	8.0	9.7	7.3
23	---	---	---	---	---	---	---	---	63	9.7	9.7	7.3
24	---	---	---	---	---	---	---	---	58	12	9.7	7.0
25	---	---	---	---	---	---	---	---	49	11	9.7	7.0
26	---	---	---	---	---	---	---	---	44	18	9.7	7.3
27	---	---	---	---	---	---	---	---	38	15	11	7.3
28	---	---	---	---	---	---	---	---	32	11	11	7.5
29	---	---	---	---	---	---	---	---	27	12	10	7.3
30	---	---	---	---	---	---	---	---	27	16	9.1	8.0
31	---	---	---	---	---	---	---	---	---	20	9.7	---
TOTAL	---	---	---	---	---	---	---	---	4525	494.9	448.9	209.5
MEAN	---	---	---	---	---	---	---	---	151	16.0	14.5	6.98
MAX	---	---	---	---	---	---	---	---	384	25	42	8.9
MIN	---	---	---	---	---	---	---	---	27	8.0	8.9	5.5
AC-FT	---	---	---	---	---	---	---	---	8980	982	890	416

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Fish & Game
#1

FILMED
1st & 2nd pg. only!
OCT 03 1995

A motion was filmed in place of oversized documents!

WATER RESOURCES OF CAMAS PRAIRIE, SOUTH-CENTRAL IDAHO

U.S. GEOLOGICAL SURVEY

Water-Resources Investigations 78-82
Open-File Report

Prepared in cooperation with the
Idaho Department of Water Resources



DEC 1 2 1989

2.0 HYDROLOGIC FRAMEWORK
2.1 Geologic and hydrologic setting

VALLEY-FILL DEPOSITS AND BASALT YIELD GROUND WATER TO WELLS

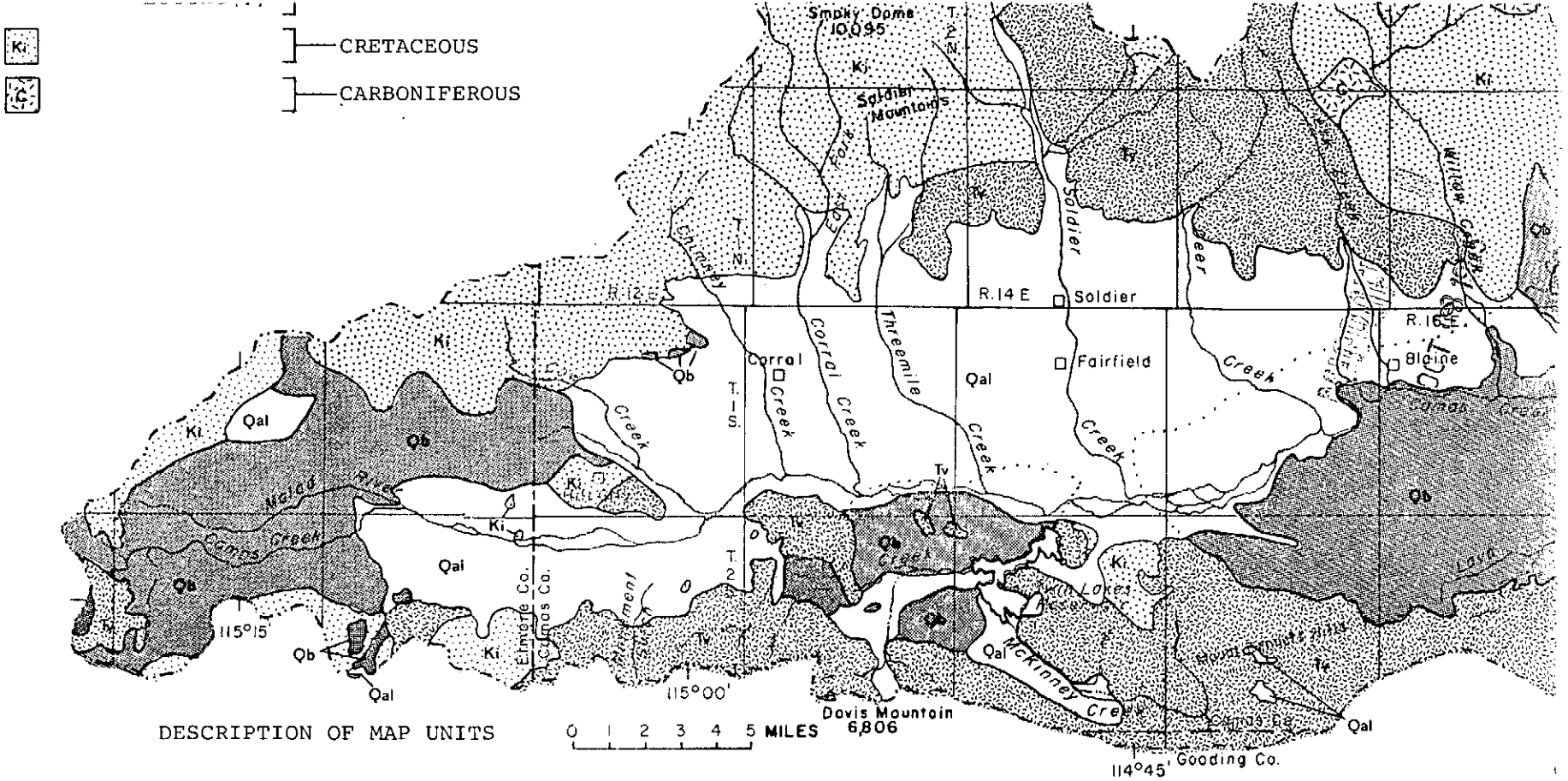
Principal aquifers are sand and gravel of the valley-fill deposits and basalt of the Bruneau Formation.

Rocks exposed in the Camas Prairie basin range in age from Carboniferous to Holocene and can be divided into two general groups--consolidated and unconsolidated. The consolidated rocks consist of sedimentary rocks and igneous rocks of intrusive and extrusive origin, which form the surrounding mountains and also underlie the valley floor. The unconsolidated rocks consist of valley-fill deposits comprising mostly stream and lake sediments. (The areal extent of the rock units is shown on the map, opposite page.)

The principal aquifers in Camas Prairie are sand and gravel in the valley-fill deposits and basalt of the Bruneau Formation. (The approximate extent of the buried margin of the basalt is shown on the map, opposite page.) Yields from irrigation wells completed in the valley-fill deposits generally range from 400 to 1,200 gal/min. Wells completed in the basalt generally have greater yields, with some wells producing more than 2,000 gal/min.

The entire thickness of the valley fill has been penetrated by several wells. Most drillers' logs indicate that the depth to granite(?), which is thought to compose the basement rocks underlying the basin, is about 300 to 550 ft. However, the two deepest wells drilled in the basin--1S-13E-7DBD1, near Corral, reported depth 1,125 ft; and well 1S-14E-9DAA1, in Fairfield, reported depth 760 ft--did not penetrate granite, which suggests an irregular configuration of the granitic surface.

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Qal — VALLEY-FILL DEPOSITS - unconsolidated clay, silt, sand, and gravel

Qb — BASALT OF THE BRUNEAU FORMATION - gray to black vesicular basalt

Tv — TERTIARY VOLCANIC ROCKS - tuffs and flows of variable lithology, ranging from rhyolite to andesite

Ki — IDAHO BATHOLITH - quartz monzonite and granodiorite

C — SEDIMENTARY ROCKS - chiefly calcareous

——— Contact

. . . . . Buried margin of basalt of the Bruneau Formation

— — — Drainage-basin divide

Malde, and

GENERALIZED GEOLOGY AND BURIED MARGIN OF BASALT OF THE BRUNEAU FORMATION

4.0 GROUND WATER
4.1 Occurrence

GROUND WATER OCCURS UNDER ARTESIAN AND WATER-TABLE CONDITIONS

Ground water is contained in intergranular spaces of the sand and gravel and in voids, fractures, and interflow zones in the basalt.

Ground water in the Camas Prairie basin is contained in intergranular spaces in the sand and gravel of the valley-fill deposits and in voids, fractures, and interflow zones in the basalt of the Bruneau Formation. The ground water occurs under artesian (confined) and water-table (unconfined) conditions in both rock units.

The occurrence of artesian water is the result of an extensive clay layer in the subsurface beneath the valley floor. The clay layer averages about 90 ft in thickness and generally lies at a depth of about 100 to 200 ft below land surface. At places where the clay layer overlies buried basalt, artesian conditions prevail in the basalt.

Water-table conditions prevail in the valley-fill deposits. The base of the unconfined aquifer generally is within 30 or 40 ft of the land surface. Wells drilled in the valley-fill deposits below 40 ft, but above the major clay layer, may encounter some artesian pressure because of small, localized clay layers. Water-table conditions in the basalt occur at places where the basalt is either at or near land surface.

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CAMAS PRAIRIE AQUIFERS ARE RECHARGED BY PERCOLATION LOSSES FROM STREAMS AND BY PRECIPITATION

Mean annual recharge to the artesian system is about 37,000 acre-ft; about 24,000 acre-ft from percolation losses from streams and about 13,000 acre-ft from precipitation on the recharge area.

37000 - 20,000 = 17,000 − 7,500 = 9,500 ac-ft withdrawn

All water in the basin is derived from precipitation falling within the drainage basin. The ground-water systems are recharged in several ways. The artesian aquifer is recharged by percolation losses from streams crossing the recharge area and precipitation on the recharge area. The recharge area is that part of the valley floor lying between the mountain fronts and the boundary on the valley floor where the potentiometric surface of the artesian aquifer is near or above land surface. The approximate boundary of flowing wells is shown on the map, opposite page. Mean annual recharge to the shallow water-table aquifer, which is primarily by upward vertical percolation from the underlying artesian aquifer, is about 20,000 acre-ft (Walton, 1962). Recharge also is derived from percolation losses from streams and precipitation on the valley floor.

The amount of water available from percolation losses for recharge to the artesian aquifer is dependent on surface runoff in streams from the surrounding mountains to the valley floor. To establish a basis of estimating annual surface-water runoff, a series of discharge measurements was made on 10 streams near the points where they begin to lose water to their alluvial fans. The measurements were made each month from March 1977 to February 1978. Using a method proposed by Riggs (1969), monthly mean flows for each stream were determined. Mean annual runoff for each stream was then estimated using a method described by Young and others (1977). The runoff map, shown on the opposite page, was constructed from the mean annual runoff data. Mean annual runoff from the mountains is about 120,000 acre-ft annually. Assuming that streams lose about 20 percent of their flow when crossing the recharge area, the estimated mean annual recharge to the artesian aquifer from percolation losses is 24,000 acre-ft.

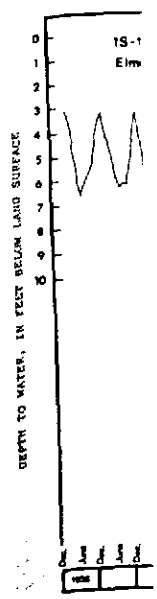
OCT 03 1995

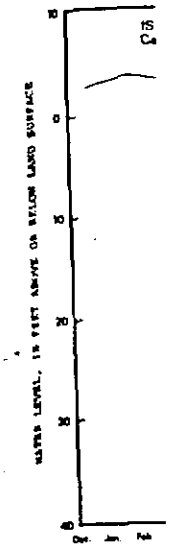
PRESSURE HEADS SHOW DECLINE IN RESPONSE TO INCREASED PUMPING FOR IRRIGATION

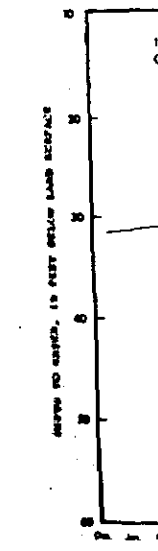
Since 1974, when a significant increase in pumping for irrigation began in Camas Prairie basin, pressure heads have declined 3 to 12 ft in parts of the artesian aquifer. At one place, they drew down nearly 25 ft in response to 1977 pumping.

Pressure heads have declined in wells 1S-12E-13BAA1, 1S-14E-8DDB1, and 1S-15E-22AAA1 (see hydrographs, opposite page) in areas of heavy pumping. The declines range from 3 to 12 ft and began in about 1974. The greatest decline was in well 1S-14E-8DDB1. All three wells are completed in the artesian aquifer in Camas Prairie basin. Generally, the annual decline has increased each year since 1974.

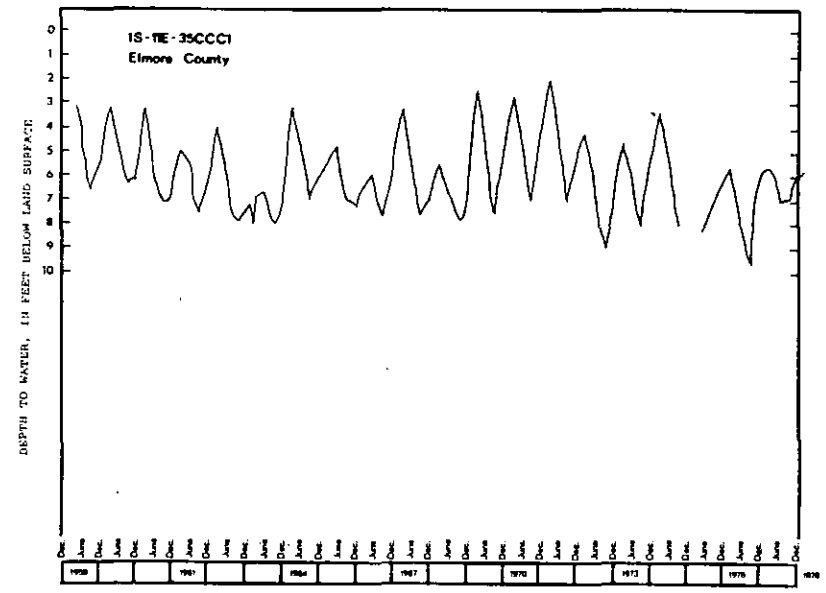
A drawdown of nearly 25 ft was observed during the 1977 irrigation season in well 1S-14E-24DAD1. Well 1S-14E-7DDD1, completed in the shallow water-table aquifer, was dry at a depth of 10 ft in July. This well is near an area of pumping for irrigation. The effects of the pumping on the artesian aquifer are shown by well 1S-14E-8DDB1, which dropped to nearly 9 ft below land surface during the 1977 irrigation season. The decline in artesian head, which would result in a reduction in upward vertical recharge to the water-table aquifer, may have partly contributed to the decline of the water table, as shown in well 1S-14E-7DDD1. The water level in well 1S-14E-7DDD1 recovered to about 9 ft below land surface in February 1978, and the artesian head in well 1S-14E-8DDB1 rose to about 4 ft above land surface.

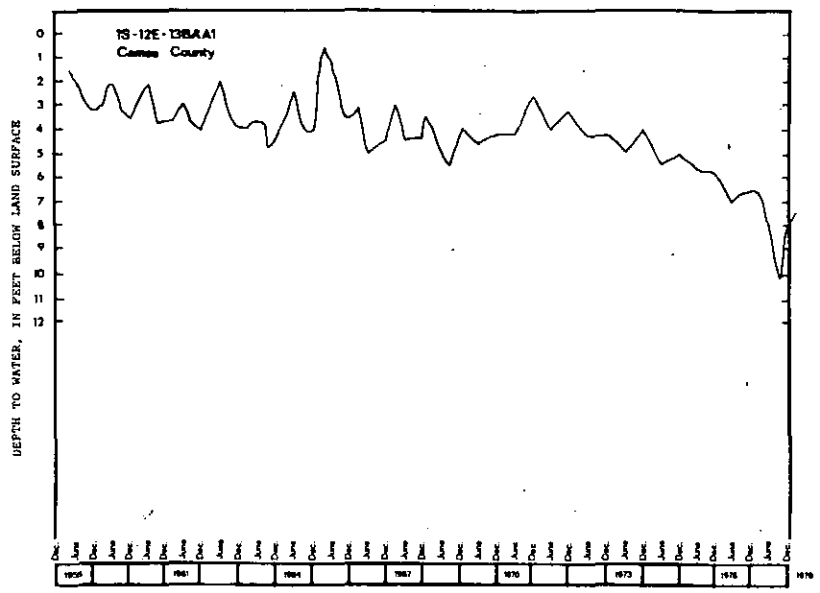


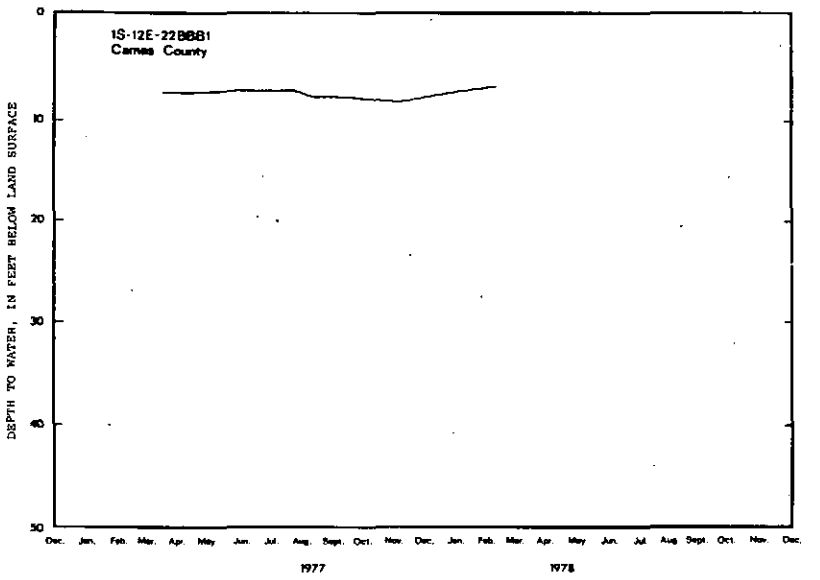


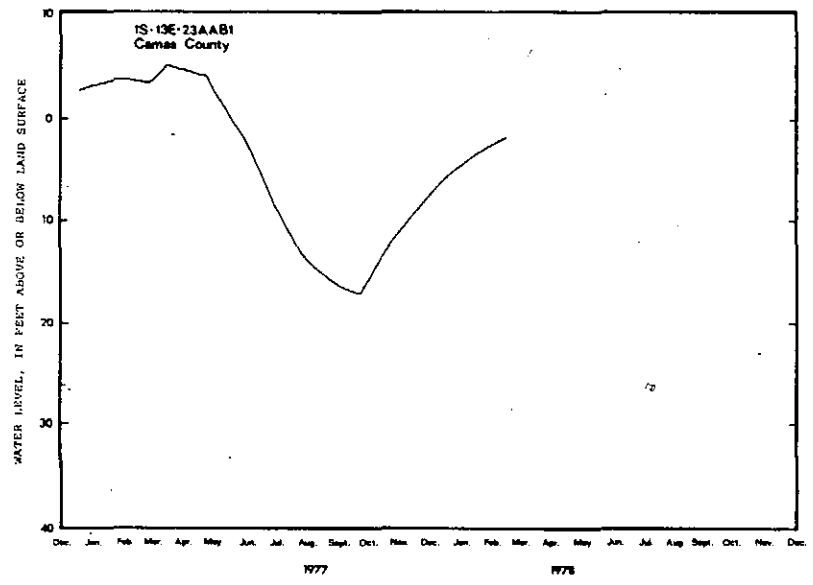


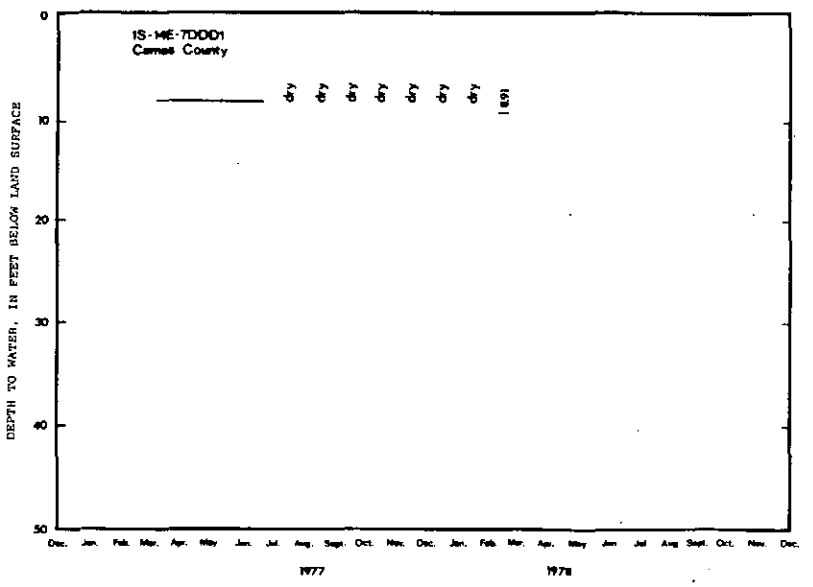
OCT 03 1995

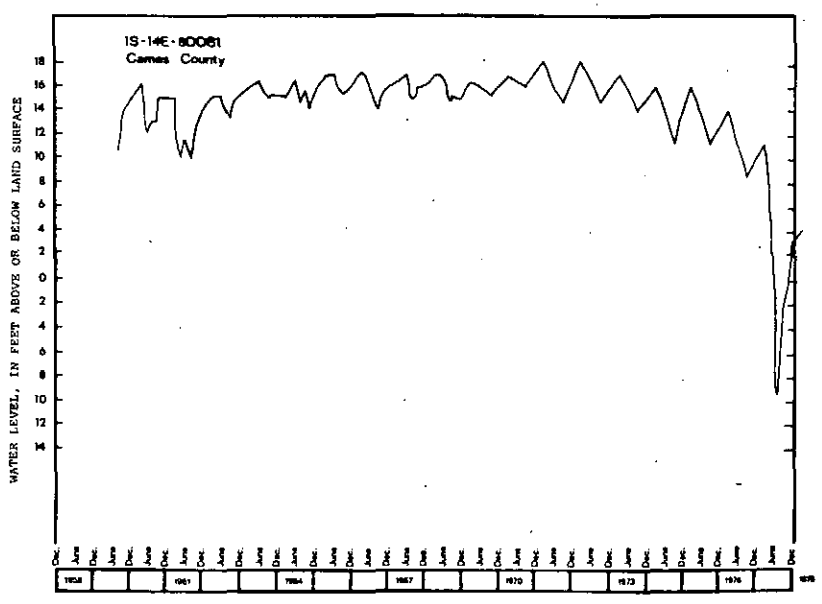


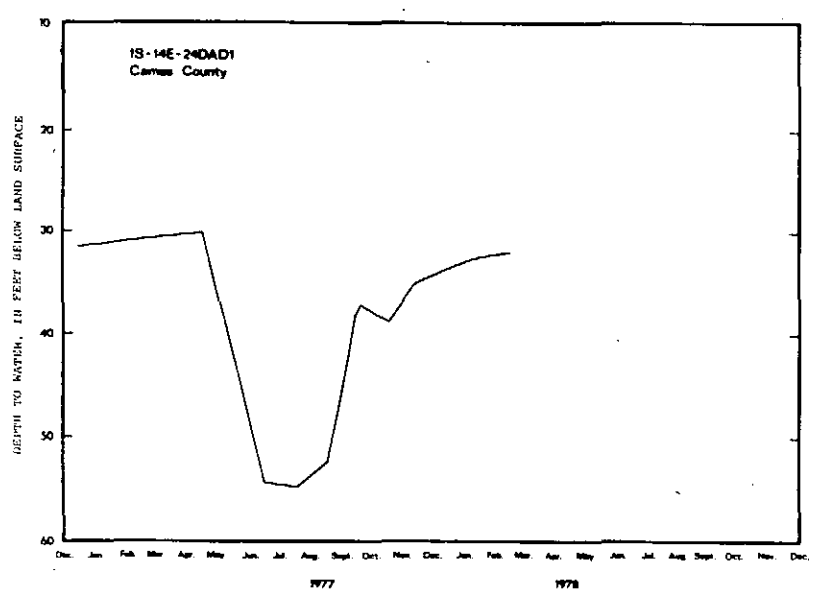


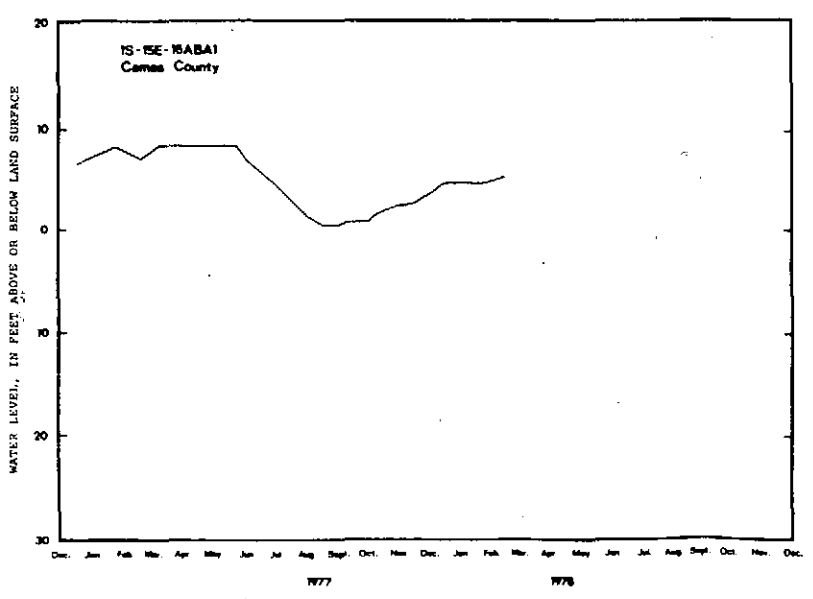


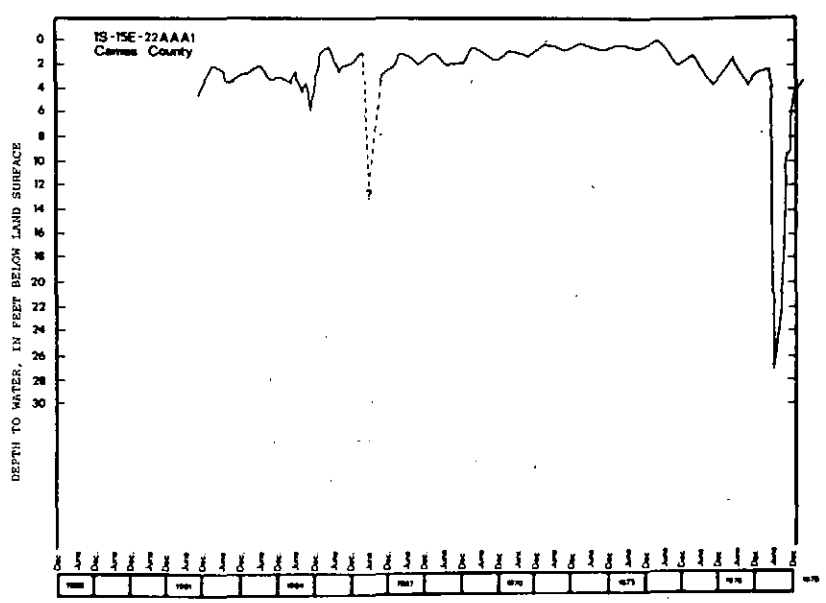












HYDROGRAPHS OF WELLS

POTENTIOMETRIC SURFACE DECLINES

A comparison of water-level measurements made in September 1957 and September 1977 shows that potentiometric (pressure) levels in the artesian aquifer have declined more than 30 ft in places.

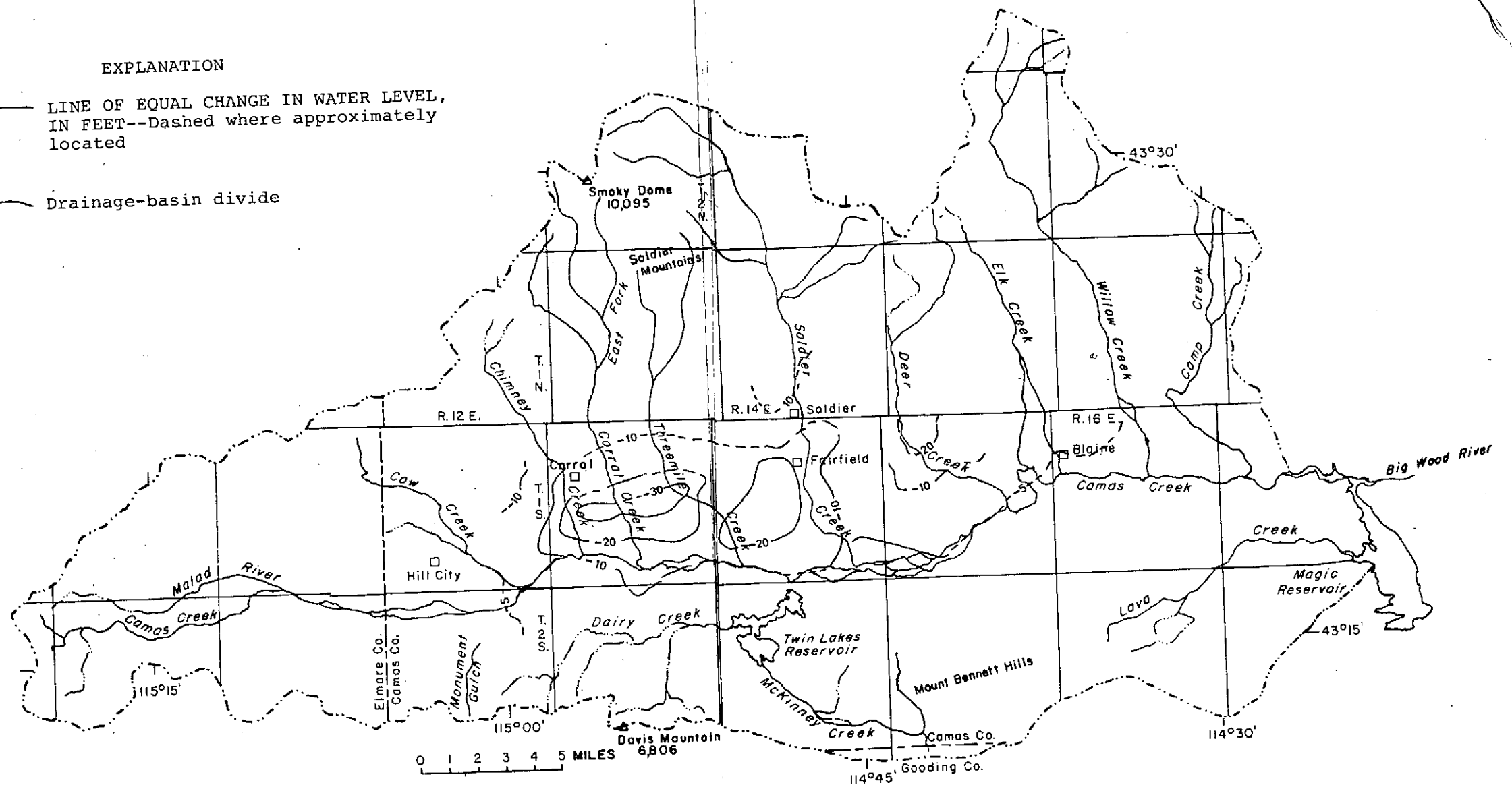
The effects of withdrawals from the artesian aquifer in Camas Prairie basin are shown on the water-level change map, opposite page. The map was made by comparing water-level measurements made in September 1957 with those made in September 1977. Most declines were in areas of pumping for irrigation. The largest declines, more than 30 ft, were observed in the sand and gravel part of the artesian system. Smaller declines, generally 5 to 10 ft, were observed in the basalt part of the artesian system.

BUREAU OF RECLAMATION
OCT 03 1995

EXPLANATION

—·—·—10—·—·— LINE OF EQUAL CHANGE IN WATER LEVEL, IN FEET--Dashed where approximately located

—·—·—·— Drainage-basin divide



DECLINES IN THE POTENTIOMETRIC SURFACE, SEPTEMBER 1957 TO SEPTEMBER 1977

F+G #9

Well #1

Rice

2. NATURE OF WORK

■ New well ☐ Deepened ☐ Repair

☐ Abandonment (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test

☐ Municipal ☐ Industrial ■ Stock

4. METHOD DRILLED

☐ Cable ■ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 212 feet

Casing schedule: ■ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	5/8 inches	+1 feet	211 feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

Was a packer or seal used? ☐ Yes ■ No

Perforated? ☐ Yes ■ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

Was screen installed? ☐ Yes ■ No

Manufacturer's name ____

Type ____ Model No. ____

Diameter __ Slot size __ Set from ____ feet to ____ feet

Diameter __ Slot size __ Set from ____ feet to ____ feet

Gravel packed? ☐ Yes ■ No Size of gravel ____

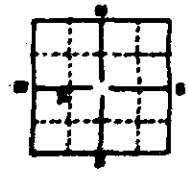
Placed from ____ feet to ____ feet

Surface seal? ■ Yes ☐ No To what depth 211 feet

Material used in seal ☐ Cement grout ■ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



57 A

County CAMAS

NW ¼ SW ¼ Sec. 6 T. 2 N R. 12 E

7. Starting point ____ Direction from ____

Depth From	Depth To	Material	Water Yes	Water No
0	5	top soil & gravel		
5	20	course gravel		
20	40	clay sand mixed black		
40	85	sand clay black		
85	90	fine sand & gravel		
90	100	fine sand		
100	105	fine gravel	X	
105	109	fine gravel		
109	115	blue clay hard		
115	125	fine sand		
125	135	blue clay		
135	145	gravel		
145	150	fine black sand mica		
150	160	blue clay some sand strips		
160	200	brown & blue clay		
200	211	fine sand	X	

8. LITHOLOGIC LOG

10. Work started 8/6/70 Finished 8/17/70

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

SMITH DRILLING & PUMP CO., INC. 11
Driller's or Firm's Name Number

365 West Main St Jerome, Idaho 83338
Address

Signed By Floyd Hunt Date

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

RECEIVED
OCT 03 1995

Well #2

RECEIVED

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER: Name [illegible]
Address [illegible]

Owner's Permit No.
NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐
Water is to be used for: [illegible]
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dug ☐ Other (explain)
CASING SCHEDULE: Threaded ☐ Welded ☒
"Diam. from ft. to ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: Material:
Steel ☒ concrete ☐ wood ☐ other ☐

(explain)
PERFORATED? Yes ☐ No ☒ Type of perforator used:

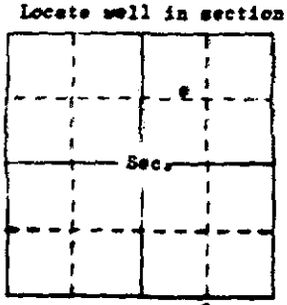
Size of perforations: " by "
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☒
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

CONSTRUCTION: Well gravel packed? Yes ☐ No. ☒ size of gravel Gravel placed from ft. to ft. Surface seal provided? Yes ☐ No ☐ To what depth? ft. Material used in seal:

Did any strata contain unusable water? Yes ☒
No. ☐ Type of water:
Depth of strata ft. Method of sealing strata off:

Surface casing used? Yes ☒ No. ☐
Cemented in place? Yes ☐ No ☒

Locate well in section



LOCATION OF WELL: County Lemhi
NW¼ NE¼ Sec. 6 T. 24 N. R. 12 E.W.

Size of drilled hole: 6 Total depth of well: 192 Standing water level below ground: 95 Temp. Fahr. ° Test delivery: gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test:

Length of time of test: Hrs. Min.
Drawdown: ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☒ Plug ☐
No control ☐ Does well leak around casing? Yes ☐ No ☒

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	16	Topsoil	no
16	4	Brown clay	no
4	44	Gravel and sand	no
44	52	Clay and gravel	no
52	64	Clay	no
64	84	Brown clay	no
84	92	Brown clay	no
92	98	Sand	no
98	110	Shale - sand and clay	no
110	120	Sandy clay	no
120	130	Gravel clay	no
130	150	Gravel clay	no
150	192	Sand and clay	no

Work started: 9-25-97
Work finished: 10-31-97

Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: [illegible]
Address: [illegible]
Signed by: [illegible]
License No. Date:

See other side for additional remarks

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Well # 3

1. WELL OWNER

Name GWINN RICE

Address MILL CITY, IDAHO

Owner's Permit No. _____

Static water level _____ feet below land surface

Flowing? ☒ Yes ☐ No G.P.M. flow _____

Temp. _____ °F. Quality _____

Artesian closed in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☒ Stock

4. METHOD DRILLED

AIR

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 12 inches Total depth 492 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	8 inches	+1½ feet	492 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a gravel or sand wall? ☐ Yes ☒ No

Perforated? ☒ Yes ☐ No

How perforated? ☒ Factory ☐ Knife ☐ Torch

Size of perforation 3/16 inches by 3 inches

Diameter		From	To
16	perforations	40 feet	105 feet
_____	perforations	300 feet	380 feet
_____	perforations	412 feet	492 feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal? ☒ Yes ☐ No To what depth? 20 feet

Material used in seal ☒ Cement grout ☐ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.

NW NE SW SE

37

County CAMAS

¼ ¼ Sec. 5 T. 2 ☐ N ☐ S R. 12 ☐ E ☐ W

7. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Drawdown (P.S.I.)	Flow Rate	Hours Pumped

8. LITHOLOGIC LOG

Hole Diam.	From	To	Material	Water Yes	Water No
12	0	7	Top Soil		
	7	32	Sandy clay		
	32	35	Sandy Sand	X	
	35	53	Clay + Sand Quartz		
	53	58	Quartz Sand	X	
	58	98	Quartz Gravel	X	
	98	111	Brown clay		
	111	115	Organic Mat.		
	115	138	Brown clay		
	138	144	Organic Mat.		
	144	152	Blue clay		
	152	288	Sandy clay		
	288	299	Sandy Rock		
	299	319	Quartz Sand	X	
	319	330	Sandy Rock		
	330	362	Black Basalt HARD		
	362	382	Quartz Gravel	X	
	382	410	Sandy clay		
	410	430	Blue clay		
	430	482	Clay + Quartz Gravel	X	
	482	492	Quartz Gravel	X	
	492		HARD Black BASALT		

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OCT 20 1978

Department of Water Resources

10. Work started 9/20/77 finished 9/24/77

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

BEARD BROS DRILLING 233
Name of Firm Number

GRAND VIEW, IDAHO

Mark Beard 9/26/77
Signed Date

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

OCT 03 1995

Well #4 — 4.

1 WELL OWNER

Name: Gale Rice

Address: Mill City, Idaho

Owner's Permit No: 37-7796

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☒ Reverse rotary
☐ Cable ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other

Thickness		Diameter		From		To	
.250	inches	16	inches	2	feet	324	feet
.250	inches	16	inches	364	feet	387	feet
.250	inches	16	inches	404	feet	419	feet
.250	inches	16	inches	419	feet	529	feet
.250	inches	16	inches	569	feet	597	feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number		From		To	
_____	perforations	_____	feet	_____	feet
_____	perforations	_____	feet	_____	feet
_____	perforations	_____	feet	_____	feet

Well screen installed? ☒ Yes ☐ No
Manufacturer's name: Roscoe Moss & Johnson
Type _____ Model No. _____
Diameter 16 Slot size 80 Set from 324 feet to 364 feet
Diameter 16 Slot size 80 Set from 419 feet to 569 feet
Gravel packed? ☒ Yes ☐ No ☐ Size of gravel 3/8 Minus
Placed from 26 feet to 600 feet
Surface seal depth 26' Material used in seal: ☐ Cement grout
☒ Puddling clay ☐ Well cuttings
Seating procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port: 2" pipe welded on side of casing

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____
County Camas
¼ ¼ ¼ Sec. 7, T. 2S N/S, R. 12E E/W.

7. WATER LEVEL

Static water level 6' above/below land surface
Flowing? ☐ Yes ☐ No G.P.M. Flow
Artesian closed-in pressure p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature °F. Quality

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other

Discharge G.P.M.	Pumping Level	Hours Pumped
1600	236'	6 hrs.

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
28	0	3	Topsoil		
	3	24	Sand w/some Clay		
	24	34	Blue Sand & Clay		
	34	44	Brn. Clay		
	44	78	Blue Clay & Cres. Sand mixed		
	78	88	Gray Sand Fine to Cres.		
	88	104	Clay mixed colors		
	104	134	Clay & Sand mixed.		
	134	146	Gray Sand & Clay mixed		
	146	189	Gray Sand Cres.		
	189	244	Gray & Brn. Clay		
	244	334	Green & Brn. Clay		
	334	364	Sand & Clay mixed		
	364	387	Green Clay		
	387	404	Sand & Sm. Gr vreleeen Clay		
	404	424	Cres. Sand w/some Clay		
	424	435	Cres. Brn. Sand		
	435	444	Cres. Brn. Sand w/some Clay		
	444	453	Cres. Sand		
	453	473	Clay w/some Sand & Gravel		
	473	484	Cres. Sand & Gravel-some Clay		
	484	498	Cres. to Fine Sand		
	498	507	Gray Clay w/Sand & Rock		
	507	524	Cres. Sand, Clay & Rock		
	524	534	Sand, Gravel & Clay - Hard		
	534	600	Cres. Sand w/some Clay		

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Resources
Office

10. Work started 10-24-79 finished 11-2-79

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name: Pete Cope Drilling Co. Inc. Dlr. No. 213
Address: P.O. Box 561 Meridian, Id 83642 Date 11-2-79
Signed by (Firm Official): Pete Cope
and (Operator): Frank Costain

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

OCT 03 1995

E

Well #6

State law requires ... within 30 days ...

1 WELL OWNER

Name [illegible]

Address Box 143, Mill City, ID 83...

Owner's Permit No.

2 NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3 PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other (specify type)

4 METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☒ Reverse rotary
☐ Cable ☐ Dug ☐ Other

5 WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other

Thickness	Diameter	From	To
.250 inches	16 inches +	2 feet	154 feet
.250 inches	16 inches	194 feet	334 feet
.250 inches	16 inches	454 feet	460 feet
inches	inches	feet	feet

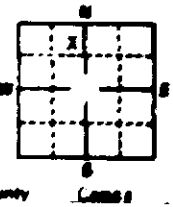
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation ____ inches by ____ inches

Number	From	To
___ perforations	____ feet	____ feet
___ perforations	____ feet	____ feet
___ perforations	____ feet	____ feet

Well screen installed? ☒ Yes ☐ No
Manufacturer's name Roscoe Moss
Type ____ Model No. ____
Diameter 16 Slot size 80 Set from 154 feet to 194 feet
Diameter 16 Slot size 80 Set from 334 feet to 454 feet
Gravel packed? ☒ Yes ☐ No ☐ Size of gravel 3/8 minus
Placed from 65 feet to 460 feet
Surface seal depth 65' Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings
Seating procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port 2" pipe welded on side of casing

6 LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name ____
Lot No. ____ Block No. ____
County Camas
NE ¼ NW ¼ Sec. 8 T. 2S N/S, R. 12E E/W.

7 WATER LEVEL

Static water level 10 feet below land surface
Flowing? ☐ Yes ☐ No GPM flow
Artesian closed in pressure psi
Controlled by ☐ Valve ☐ Cap ☐ Plug
Temperature °F Quality

8 WELL TEST DATA

☒ Pump ☐ Bailer ☐ Air ☐ Other

Discharge G.P.M.	Pumping Level	Hours Pumped
935	71	
1000	142	
2387	190	9.5 Total

9 LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes/No
28	0	4	Topsoil	
	4	22	Blue Sand	
	22	29	Blue Clay	
	29	47	Green Clay	
	47	65	Blue Sand	
	65	79	Blue Clay	
	79	102	Green Clay w/some Sand	
	102	117	Blue Clay & Sand	
	117	125	Blue Sand	
	125	149	Blue Clay w/some Sand	
	149	155	Blue Sand & Clay	
	155	164	Blue Clay	
	164	177	Blue Sand w/some Clay	
	177	196	Blue Clay w/Sand streaks	
	196	314	Blue Clay	
	314	324	Brn. Clay	
	324	340	Blue Clay	
	340	349	Blue Sand-Gravel	
	349	356	Blue Clay	
	356	358	Blue Sand-Fine to Med.	
	358	396	Blue Clay	
	396	416	Gravel, Sand & Small Gravel	
	416	421	Blue Clay w/some Sand	
	421	431	Blue Sand-Med. to Gravel	
	431	440	Blue Clay w/some Sand	
	440	449	Gravel, Sand & Small Gravel	
	449	450	Blue Clay	
	450	454	Blue Sand-Fine to Med.	
	454	460	Blue Clay	

DEC 23 1980

Department of Water R...

10 Work started 11-4-80 Finished 11-9-80

11 DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Pete Cope Drilling Co., Inc. 213
Address P.O. Box 561 Meridian, ID 83642 Date 12-1-80
Signed by (Firm Official) Pete Cope
and (Operator) Frank Christian

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OCT 03 1995

Well #11

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Reclamation

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name Leslie Ruby

Address Corral, Idaho

Owner's Permit No. 37 7057

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

Applied for Irrigation permit

☐ Domestic ☐ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☒ Stock original

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 220 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 5/8 inches	+3 feet	157 feet
inches	inches	feet	feet
.135" inches	5 9/16 inches	+1 feet	37 feet
inches	inches	feet	feet
inches	inches	feet	feet

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name ____

Type ____ Model No. ____

Diameter ___ Slot size ___ Set from ____ feet to ____ feet

Diameter ___ Slot size ___ Set from ____ feet to ____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel ____

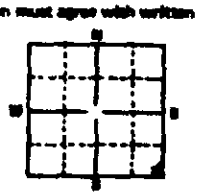
Placed from ____ feet to ____ feet

Surface seal? ☒ Yes ☐ No To what depth 37' feet

Material used in seal ☐ Cement grout ☒ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



37

County Camas

SE ¼ SE ¼ Sec. 2 T. 2 N. R. R1 E E/W

7. WATER LEVEL

Static water level ____ feet below land surface

Flowing? ☒ Yes ☐ No G.P.M. flow 600 Apx

Temperature 54 ° F. Quality ____

Artesian closed-in pressure 2 p.s.i.

Controlled by ☒ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6 3/4	0	38	Dark brown Top Soil		X
	38	71	Streaked Sand & Clay		X
	71	92	Blue Clay and Sand		X
	92	169	Brown Clay, Very Fine Sand		X
	169	208	Broken, Black	X	
	208	222	Hard, Black		X

10.

Work started Oct. 20, 1969 finished Nov. 13, 1969

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Smith Drilling & Pump Co., Inc. 11
Driller or Firm's Name Number

365 West Main Street Jerome, Idaho
Address

Signed By: [signature] Nov 5, 69

USE ADDITIONAL SHEETS IF NECESSARY

OCT 03 1995

Well # 13

1. WELL OWNER

Name: Kelly Thomason

Address: Fair Field

Owner's Permit No.

Static water level: feet below Surface Flowing? Yes No G.P.M. flow 90 - 100

Temperature: F. Quality:

Artesian closed in pressure: p.s.i.

Controlled by: Valve Cap Plug

2. NATURE OF WORK

New well Deepened Replacement

Abandoned (describe method of abandoning)

3. PROPOSED USE

Domestic Irrigation Test Other (specify type)

Municipal Industrial Stock Waste Disposal or Injection

4. METHOD DRILLED

Cable Rotary Dug Other

5. WELL CONSTRUCTION

Diameter of hole: 6 inches Total depth: 192 feet

Casing schedule: Steel Concrete

Thickness	Diameter	From	To
.280 inches	6 inches	1 feet	129 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? Yes No

Was a packer or seal used? Yes No

Perforated? Yes No

How perforated? Factory Knife Torch

Size of perforation inches by inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? Yes No

Manufacturer's name:

Type: Model No.:

Diameter Slot size Slot from feet to feet

Diameter Slot size Slot from feet to feet

Gravel packed? Yes No Size of gravel:

Placed from feet to feet

Surface seal depth: 129' Material used to seal: Cement grout Bentonite clay Well cuttings

Backfilling procedure used: Slurry pit Temporary surface casing Other

6. LOCATION OF WELL

Sketch map location must agree with written location. 27

MICHAELMAS

Subdivision Name:

Lot No. Block No.

County: Canyon

NW ¼ NE ¼ Sec. 9 T 6 R 4W

8. WELL TEST DATA

Pump Bailer Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	2	Top soil		
	2	65	decomposed granite	✓	
	65	76	Blue clay	✓	
	76	119	decomposed granite	✓	
	119	129	Blue clay		✓
6	129	192	Gray rock		✓

10. Work started Oct 25, 87 Completed Oct 26, 87

11. DRILLER'S CERTIFICATION

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Name of Driller: C.A. Patterson Date: 10-26-87

Address: Wildorado, Texas

Signed by (Driller): [signature]

Driller's License No.: WWD

Signed by: [signature]

OCT 30 1995

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

FLB Ex. 10
Admitted

Ground-Water of Camas Prairi Camas and Elm Idaho

By WILLIAM C. WALTON

GEOLOGICAL SURVEY W

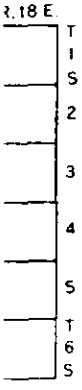
Prepared on behalf of the U.S. Bureau of Reclamatic

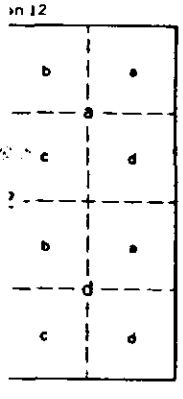
UNITED STATES GOVERNMENT PR

OCT 03 1995

lis report con-
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the locations
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ıcre tract, and
er sections are





lettered a, b, c, and d in counterclockwise order, from the northeast quarter of each section. (See fig. 2.) Within the quarter sections 40-acre tracts are lettered in the same manner. Well 3S–32E–12cc1 is in the SW¼SW¼ sec. 12, T. 3 S., R. 32 E., and is the well first visited in that tract.

GEOGRAPHY

CLIMATE

The climate of Camas Prairie is semiarid, characterized by low precipitation, high evaporation, and large daily fluctuations in temperature. Precipitation is greater in the mountainous areas bordering the prairie. The average growing season is short, about 80 days in the greater part of the prairie. The prevailing wind is from the west.

PRECIPITATION

The U.S. Weather Bureau has recorded precipitation at Hill City, near the west end of the prairie, at Fairfield near the central part of the prairie, at Soldier north of Fairfield, and at Soldier Creek Ranger Station in the mountainous area north of Soldier. The following table, showing average monthly and annual precipitation data for these weather stations, was compiled from records of the U.S. Weather Bureau. The precipitation at the Solider Creek Ranger Station is nearly 50 percent greater than that measured at the stations on the prairie.

The months of greatest precipitation are January, February, March, May, November, and December, each having more than 1 inch. July, August, and September are the months of least precipitation, each generally having less than half an inch. Taking into considera-

Average monthly and annual precipitation at weather stations in and near Camas Prairie

[From records of the U.S. Weather Bureau]

	Fairfield	Soldier	Hill City	Soldier Creek Ranger Station
Altitude	5,065	5,140	5,092	5,821
Years of record:				
Number of years	9	15	35	38
Dates	1949–58	1895–1910	1923–58	1910–48
January	3.06	2.67	2.32	3.53
February	2.12	2.34	1.92	3.21
March	1.24	2.08	1.30	1.94
April	.90	.61	.99	1.58
May	1.72	1.23	1.23	1.43
June	.83	.72	.80	1.18
July	.29	.40	.25	.59
August	.09	.48	.37	.54
September	.30	.50	.39	.75
October	.76	.99	1.07	1.69
November	1.48	1.89	1.69	2.78
December	2.59	1.91	2.33	3.59
Total annual	15.38	15.82	14.86	22.81

OCT 03 1995

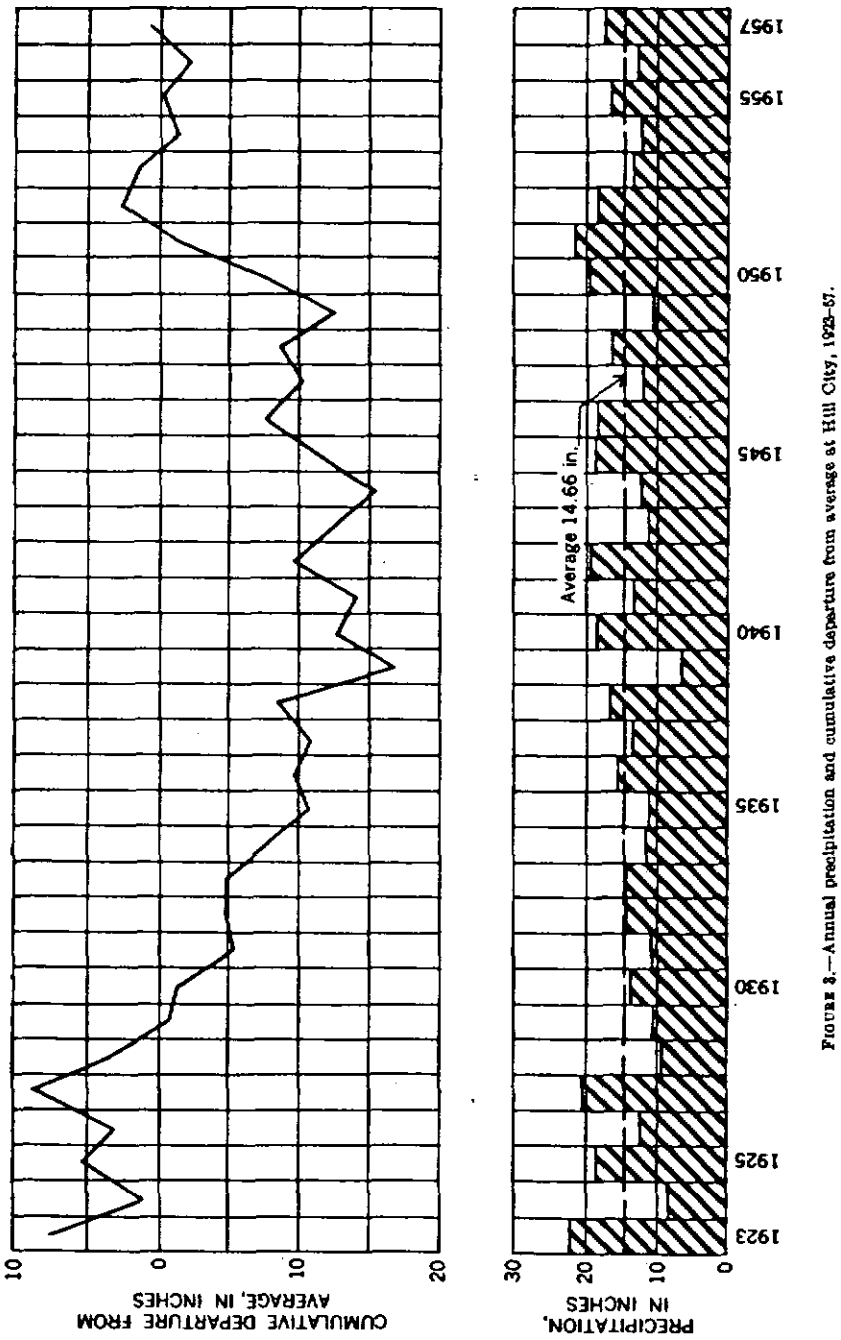


FIGURE 3.—Annual precipitation and cumulative departure from average at Hill City, 1923–57.

tion the data given in the
annual precipitation on t
17 inches.

The annual precipitati
the cumulative departur
the same period are sho
City are considered repre
est annual precipitation
year 1939, and the highe
downward slope of the
16-year period 1928–44,
below average and that
was 15.53 inches. The
1944 through 1957, indic

The annual precipitati
the period 1910–47 is sho
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graph of the cumulative
tion shows that in genera
1928–39 was below aver
10 inches. Precipitation

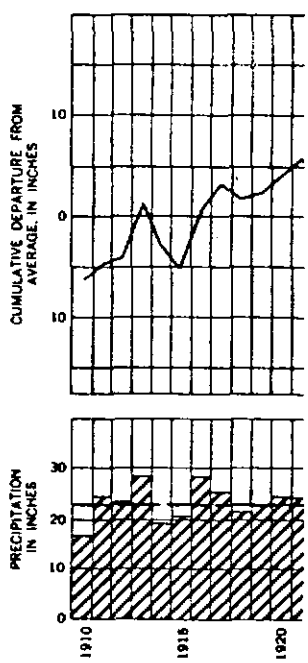


FIGURE 4.—Annual precipitation and

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FIGURE 3.—Annual precipitation and cumulative departure from average at Hill City, 1923–57.

tion the data given in the table and topographic influences, the average annual precipitation on the area under study is estimated to be about 17 inches.

The annual precipitation at Hill City for the period 1923–57 and the cumulative departures from the normal annual precipitation for the same period are shown in figure 3. Climatic conditions at Hill City are considered representative for much of the prairie. The lowest annual precipitation at Hill City was 6.67 inches, recorded for the year 1939, and the highest was 22.17 inches measured in 1923. The downward slope of the graph of cumulative departure, during the 16-year period 1928–44, shows that in general the precipitation was below average and that the accumulated deficiency of precipitation was 15.53 inches. The slope of the graph is generally upward from 1944 through 1957, indicating a period of above-average precipitation.

The annual precipitation at the Soldier Creek Ranger Station for the period 1910–47 is shown in figure 4. The lowest precipitation was 13.45 inches in 1928, and the highest was 34.02 inches in 1927. The graph of the cumulative departure from the mean annual precipitation shows that in general the precipitation during the 12-year period 1928–39 was below average; the accumulated deficiency was about 10 inches. Precipitation during the period 1940–46 was above normal.



FIGURE 4.—Annual precipitation and cumulative departure from average at Soldier Creek Ranger Station, 1910–47.

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The amount of water needed for irrigation increases during the years when the precipitation is below average. Therefore, precipitation data given above are significant because they indicate periods of below-average precipitation and reduction in the water available for crop use and for ground-water recharge.

TEMPERATURE

Average monthly and annual temperatures at Fairfield, Hill City, and Soldier Creek Ranger Station are given in the following table. Temperatures recorded by the U.S. Weather Bureau at stations on the prairie are generally lower than those at the Soldier Creek Ranger Station in the mountainous area north of the prairie. Minimum temperatures are usually recorded during January; July is the hottest month. The average annual temperature for the prairie is about 41° F.

Average monthly and annual temperatures for weather stations in and near Camas Prairie

[From records of the U.S. Weather Bureau]

	Fairfield	Hill City	Soldier Creek Ranger Station
Altitude	5,065	5,092	5,821
Years of record	6	25	15
January	17.1	15.3	20.1
February	18.7	19.6	24.3
March	26.6	27.1	31.7
April	41.2	40.2	42.2
May	50.6	49.9	49.8
June	56.7	55.8	56.0
July	65.2	65.8	66.1
August	63.1	61.3	65.3
September	56.5	53.9	56.3
October	45.6	44.2	46.5
November	30.4	30.2	32.7
December	22.2	20.2	25.2
Annual average	41.2	40.3	43.0

The highest temperatures recorded at the Fairfield and Hill City stations are 96° F and 102° F, respectively, and the lowest temperatures are −35° F and −44° F, respectively. Corresponding extremes at the Soldier Creek Ranger Station are 100° F and −34° F.

PHYSIOGRAPHY AND DRAINAGE

Camas Prairie is in the Northern Rocky Mountain physiographic province (Fenneman, 1931) and is an eastward-trending intermontane valley about 40 miles in length, averaging about 8 miles in width. It is filled in large part with detrital material washed in from the adjacent mountains. The sediments were deposited when lava flows dammed the eastern outlet of the valley, possibly beginning in Pliocene time and continuing into the Pleistocene and Recent.

The prairie consists
slopes southeastward
feet at its west end.
about 40 feet per mil
prairie.

Soldier Mountains
prominent mountain
altitude of 10,095 feet
7 miles north of the p
rise to an altitude of
dissected by erosion,
Plain to the south. O
6,200 feet, separate t
of the Boise River.

The prairie terminat
basalt plain, having a
level. The plain tren
joins the main Snake
altitude of about 4,90

Camas Creek has a
a gaging station near
into the Big Wood R
River. Camas Creek
south border of the p
mile between Hill Cit
a deep, rugged canyo
Blaine to the Big Woo
Blaine.

Streams from the
Deer, Soldier, Threem
are ephemeral and flo
summer their entire flo
across the alluvial fans
autumn, as precipitat
transpiration decrease
Camas Creek and gen
Creek, a tributary east
has a small perennial f
ern slope of the Moun

According to the
Camas County was 1,
lations of Blaine, Cor

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F+G # 11

Water Level Records Camas Prairie Centenial Marsh

Snow went off the Marsh April 9}

Fish & Game
Exhibit II

TP

52 Stake in barrow pit at Ruby Corner

87 Flat, south of driveway corner

98 Edge of Strom drain ditch on Faulkner NE corner

100 Stake in natural low spot on Faulkner line

103 Flat marsh on Hobdey line fed by Monument Gulch

Had aerial photos taken 4-22-89

4-22-89	Water Elevation
TP52	5060.335
TP87	5060.964
TP100	5061.345
TP103	5061.15

4-27-89	
TP52	5060.26
TP87	5060.87
TP103	5061.155

5-1-89	
TP52	5060.22
TP87	5060.86
TP98	5061.28
TP100	5061.22

5-8-89	
TP52	5060.09
TP87	5060.79

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5-12-89	Water Elevation	
TP52	5060.135	
TP87	5060.82	
TP98	5061.28	
TP100	5061.325	
TP103	5061.13	
5-22-89		
TP52	5060.114	
TP87	5060.79	
TP98	5061.02	
TP100	5061.08	
6-6-89		
TP52	5059.92	
TP87	5060.75	
TP98	5060.78	
TP100	5061.16	
TP103	5061.12	
6-12-89	Took aerial photos	
TP52	5059.58	
TP87	5060.5	
TP98	5060.45	
TP100	5060.91	
TP103	5061.0	
6-23-89		
TP52	5058.5	
TP87	DRY	
TP98	5059.25	
TP100	5060.39	
TP103	5061.0	
7-6-89	Water Elevation	
TP52	DRY	
TP87	DRY	
TP98	5058.9	Water bottum of ditch
TP100	5060.1	Natural low spot
TP103	5060.77	1/2 - 3/4 of water

7-3-89 I was able to drive across the marsh.

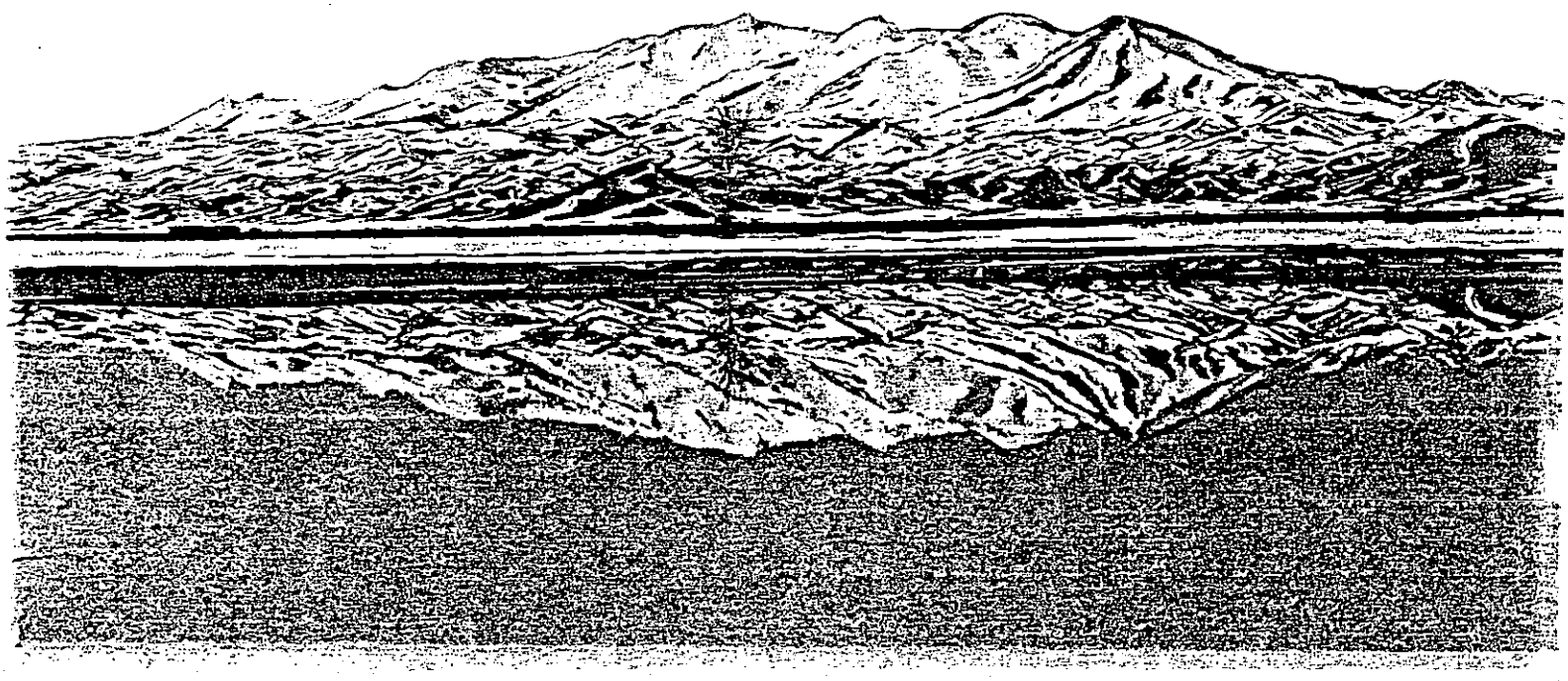
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F + G # 12
Admitted

Soil Survey of

Camas County Area Idaho

United States Department of Agriculture, Soil Conservation Service
in cooperation with
United States Department of Agriculture, Science and Education Administration
United States Department of the Interior, Bureau of Land Management
University of Idaho College of Agriculture, Idaho Agricultural Experiment Station



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Issued May 1981

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About 15,000 acres of cropland is irrigated. Of this, about 9,700 acres is irrigated with water from Twin Lakes Reservoir. Water from reservoirs and creeks is plentiful in spring and early in summer, but, in most years, supplies are short late in summer. Bottom lands are flooded in spring, and the soils in these areas have a high water table throughout most of the summer.

Most of the livestock operations are either beef cattle or sheep. A few farmers raise dairy cattle. Many ranchers move their livestock to lower elevations, mainly in Gooding County, for the long, snowy winter.

Natural resources

Soil and water are the most important natural resources in the survey area.

In most years there is adequate moisture from snow and rain to produce a crop without irrigation. Water for irrigation is provided by creeks, wells, and reservoirs.

Twin Lakes Reservoir is the main reservoir in the survey area. It has a storage capacity of 33,000 acre-feet, but has filled only 3 times in 40 years. The upper end of Magic Reservoir lies in the extreme southeastern part of the area. Several smaller reservoirs serve the Camas County area.

Physiography, relief, and drainage

The survey area lies within two geological provinces. The southern part of the area is in the Columbia Plateau Province, and the northern part is in the Rocky Mountain Province.

Relief and geology are extremely varied. The southern part of the survey area consists of rolling to steep uplands and hills that are composed of rhyolitic and silicic volcanics. The east-central part is an undulating lava plain. The west-central part consists of smoothly sloping alluvial fans, terraces, and bottom lands. The northern part consists of steep mountains that are composed of granite and andesite.

Camas Creek drains most of the survey area. Twelve tributaries of Camas Creek drain the northern mountains, and two tributaries drain the southern hills. Camas Creek empties into Magic Reservoir.

Climate

The Rocky Mountains partly shield the survey area from strong Arctic winds, so winters are generally not too severe. In summer, Pacific Ocean winds are partly blocked; days are hot, but nights are fairly cool. Precipitation is scant in summer, except in mountainous areas. It is adequate for nonirrigated small grains or rangeland during the cooler parts of the year in many places. The snowpack at high elevations supplies irrigation water for intensive agriculture in parts of the lowland.

Table 1 gives data on temperature and precipitation for the survey area, as recorded at Hill City, Idaho, in the period 1951 to 1973. Table 2 shows probable dates of the first freeze in fall and the last freeze in spring. Table 3 provides data on length of the growing season.

In winter the average temperature is 20 degrees F, and the average daily minimum is 9 degrees. The lowest temperature on record, -42 degrees, occurred at Hill City on January 22, 1962. In summer the average temperature is 63 degrees, and the average daily maximum temperature is 82 degrees. The highest recorded temperature, which occurred on July 23, 1959, is 101 degrees.

Growing degree days, shown in Table 1, are equivalent to "heat units." During the month, growing degree days accumulate by the amount that the average temperature each day exceeds a base temperature (40 degrees F). The normal monthly accumulation is used to schedule single or successive plantings of a crop between the last freeze in spring and the first freeze in fall.

Of the total annual precipitation, 5 inches, or 31 percent, usually falls in April through September, which includes the growing season for most crops. In 2 years out of 10, the rainfall in April through September is less than 4 inches. The heaviest 1-day rainfall during the period of record was 2.02 inches at Hill City on February 20, 1952. There are about 15 thunderstorms each year, 8 of which occur in summer.

Average seasonal snowfall is 93 inches. The greatest snow depth at any one time during the period of record was 68 inches. On the average, 31 days have at least 1 inch of snow on the ground, but the number of days varies greatly from year to year.

The average relative humidity in midafternoon in spring is less than 40 percent; during the rest of the year it is about 45 percent. Humidity is higher at night, and the average at dawn is about 65 percent. The percentage of possible sunshine is 85 in summer and 45 in winter. The prevailing wind is from the southeast. Average windspeed is highest, 10 miles per hour, in March.

How this survey was made

Soil scientists made this survey to learn what soils are in the survey area, where they are, and how they can be used. They observed the steepness, length, and shape of slopes; the size of streams and the general pattern of drainage; the kinds of native plants or crops; and the kinds of rock. They dug many holes to study soil profiles. A profile is the sequence of natural layers, or horizons, in a soil. It extends from the surface down into the parent material, which has been changed very little by leaching or by plant roots.

The soil scientists recorded the characteristics of the profiles they studied and compared those profiles with others in nearby counties and in more distant places. They classified and named the soils according to nationwide uniform procedures. They drew the boundaries of the soils on aerial photographs. These photographs show trees, buildings, fields, roads, and other details that

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IDFG

F & G #13

Admitted

FEB 13 1990

LAW OFFICES
HOBDEY & HOBDEY LEGAL/PERSONNEL
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P. O. BOX 176
GOODING, IDAHO 83330

CECIL D. HOBDEY
CRAIG D. HOBDEY

TELEPHONE
(208) 934-4429

February 6, 1990

Mr. Stephen V. Goddard
Deputy Attorney General
Department of Fish and Game
P.O. Box 25
Boise, Idaho 83707

RE: Protest of Big Wood Canal Company to
Idaho Department of Fish and Game
Water Right application in the Hill City Area

Dear Mr. Goddard:

The Board of Directors of Big Wood Canal Company decided to withdraw its protest in the above referenced matter based upon the representations of the representatives of the Fish and Game Department as follows:

1. That no pond will be developed in an area where there is a discernible and defined channel of Camas Creek or a tributary thereof.

2. No new banks or dikes will be created which would impound runoff water above the existing ground level. This would not apply to ponds filled from groundwater sources.

3. If we have correctly interpreted the remarks of the representatives, then you may file a copy of this letter with the Idaho Department of Water Resources as formal withdrawal of the protest previously filed on behalf of the Company.

Sincerely yours,

Cecil D. Hobdey

CDH:bj

pc: Richard Oneida,
Big Wood Canal Company

OCT 08