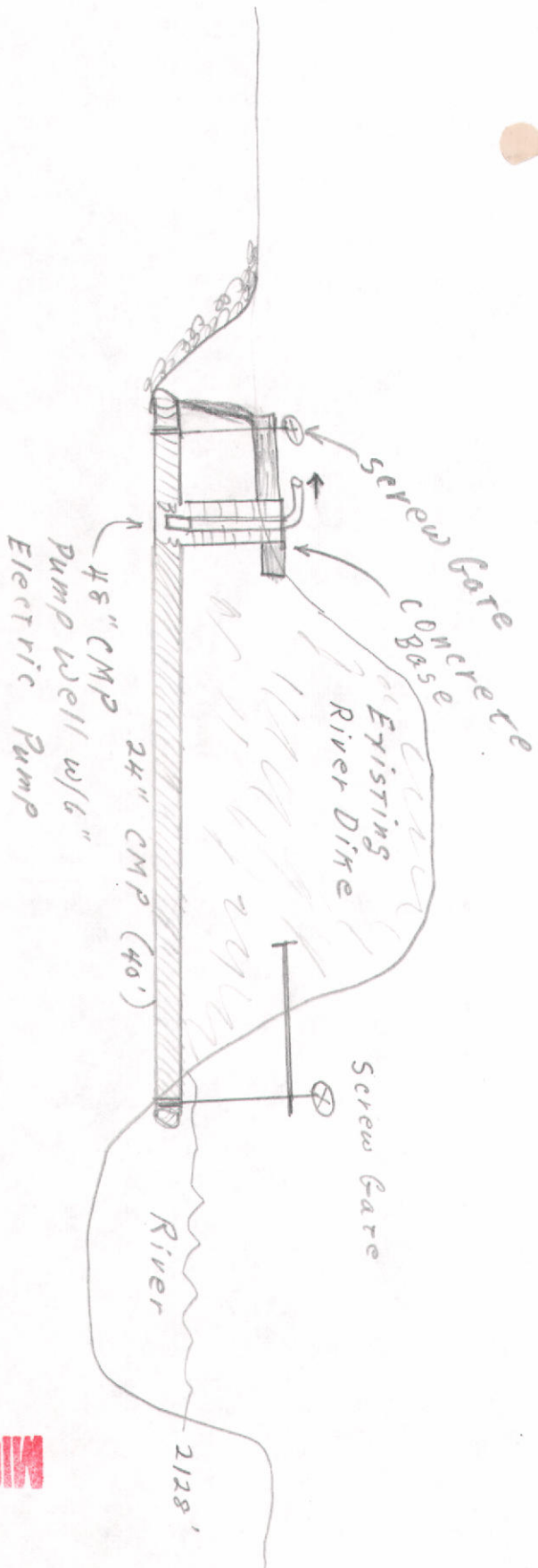


Rock rip-rap provided
as needed



Field 2131+

2128'

MICROFILM



R2W 35'

R1W

MICROFILMED



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

NORTHERN REGION

REMARKS / PHOTOS

PERMIT # 92-7175

DATE

INITIALS

6-30-87 Appt. made 7-8-87 (wed)

J.A.



Gate Valve



#1 Pump

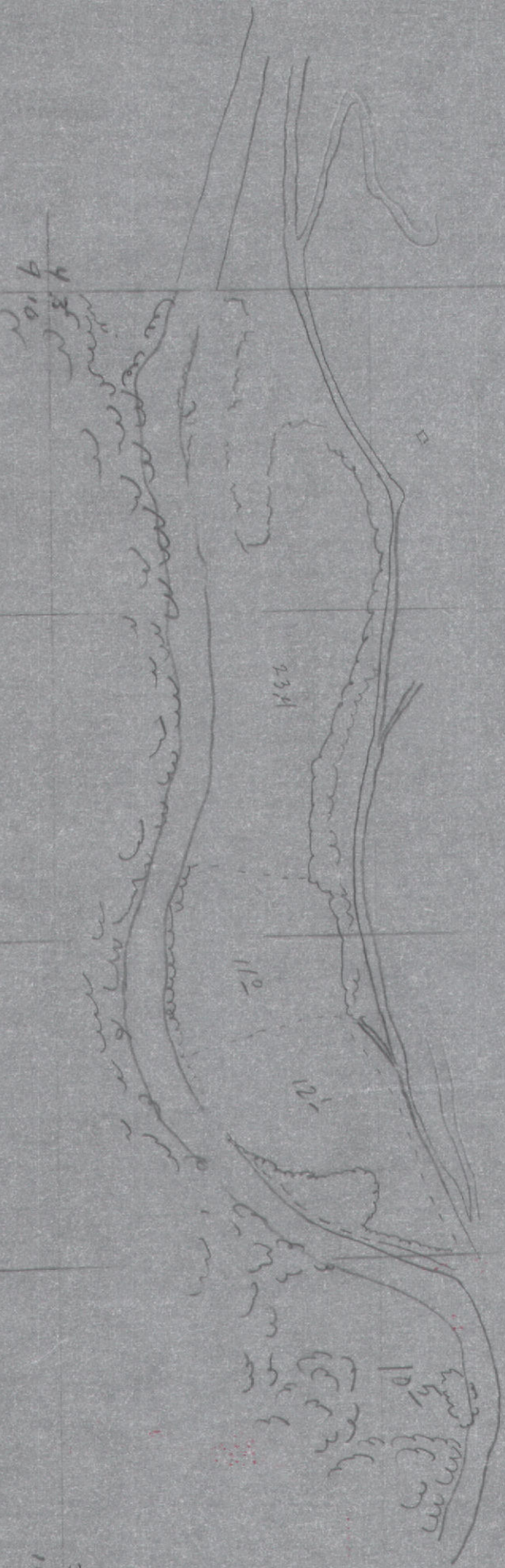


IMPROVED

JUL 08 1993



AERIAL NOT AVAILABLE
 TRACKING OF AERIAL BY JLC
 See Corr. BY comparison
 WITH A.L. PLAT

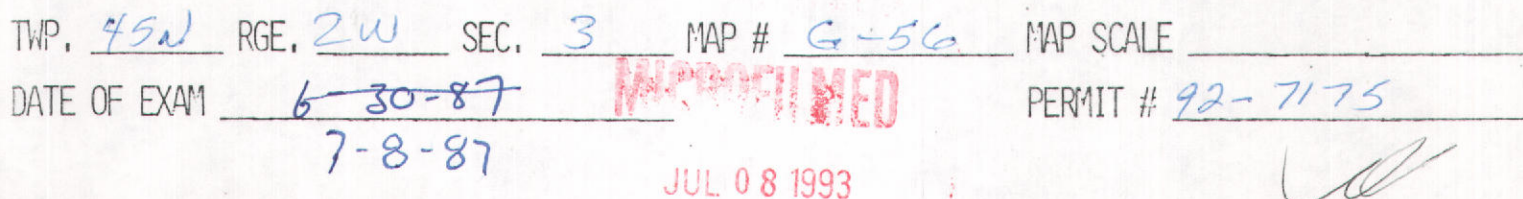


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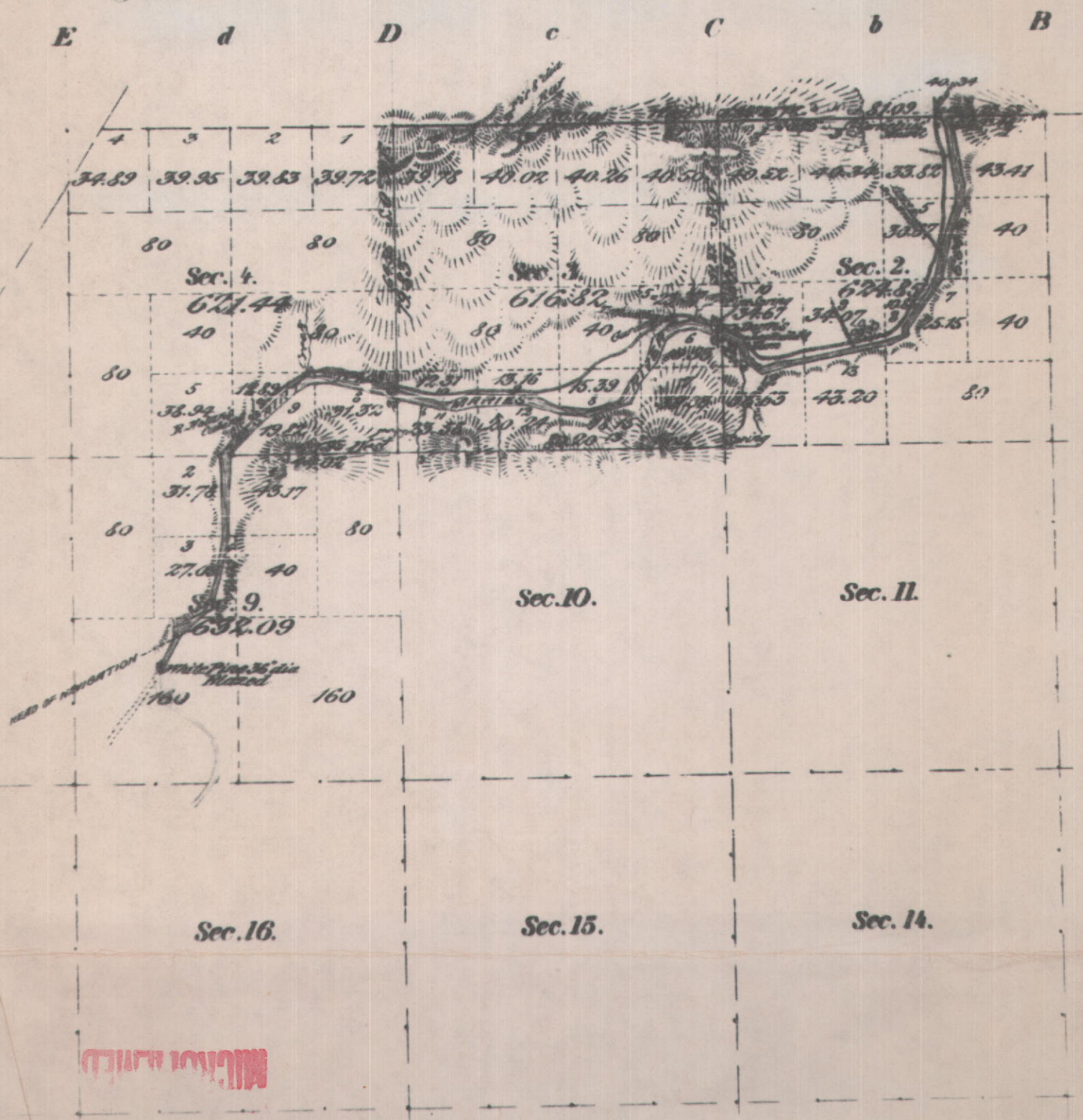
MICROFILMED

JUL 08 1993

92-7175



Range N^o 2 West of the Boise Meridian



RECEIVED

Affidavit of Publication

STATE OF IDAHO
County of Benewah, ss.

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

That the notice, of which the one hereto attached is a true copy, was published in said newspaper for a period of 9 issues, the first publication being on the 3rd day of Oct, 1984 and the last on the 10th day of Oct, 1984.

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

JoJane Hammes

Subscribed and sworn to before me this 25th day of Oct, 1984.

Sharon D. Black

Notary Public in and for Benewah County, Idaho
Residing at St. Maries, Idaho

Jeffrey P. Baker asks OK for water right

NOTICE OF APPLICATION FOR WATER RIGHT

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

92-7175

Name: Jeffrey P. Baker
Address: c-o St. Maries Wild Rice,
P.O. Box 293, St. Maries, ID 83861
Date Filed: Sept. 24, 1984
Source: Saint Maries River
tributary to Saint Joe River
Point of Diversion: Lot 08 (SWSE)
Sec 03 T 45N R 02W
In: SWSW SESW NWSE SWSE Sec
03 T 45N R 02W for 40 acres
Use: Irrigation (1.00 cfs)

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, 4055 Gov't Way, Coeur d'Alene, Idaho 83814 on or before October 22, 1984.

KEN DUNN, Dir.

No. 7643 — Oct. 3-10.

OK
gm
10/29/84

RECEIVED

OCT 26 1984

Department of Water Resources
Northern District Office

RECEIVED

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 92-07175

Priority: November 13, 1984

Maximum Diversion Rate: 1.00 CFS
Maximum Diversion Volume: 120.0 AF

This is to certify, that JEFFREY P BAKER
C/O ST MARIES WILD RICE
11770 S ELDERBERRY WAY
SANDY UT 84092

has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated September 24, 1984; and
has submitted Proof of Beneficial Use on October 17, 1985. An examination indicates
that the works have a diversion capacity of 3.600 cfs of water from:

ST MARIES RIVER tributary to ST JOE RIVER

source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	1.00 CFS	120.0 AF

LOCATION OF POINT(S) OF DIVERSION: Lot 8(SWSE), Sec. 3, Township 45N, Range 02W
BENEWAH County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
45N	02W	3	SWSW 10	SESW 12	NWSE 4	
			SWSE 14			40

Total number of acres irrigated: 40

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. This right when combined with all other rights shall provide no more than 3.0 afa per acre for the lands above.

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JUL 08 1993

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 92-07175

CONDITIONS/REMARKS:

This license is issued pursuant to the provisions of Section 42-219, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this 3RD
day of July, 1993.

Acting for R. Keith Higginson, Director

RECEIVED

JUL 08 1993

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
PROOF OF BENEFICIAL USE

RECEIVED
OCT 17 1985
Department of Water Resources

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has completed development under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below:

Permit No. 92-7175

Name(s) of Permit Holder: Jeffrey P. Baker

Post Office Address: PO Box 793, St Maries, Idaho 83861

Telephone No. Menager 245-5835

Source of Water: St Maries River; Spring runoff and unnamed springs

Extent of Use:

Domestic _____ (number of households)

Stockwater _____ (number and type of stock)

Irrigation 40 (acres)

Other/Remarks Impractical if not impossible to install measuring device at this diversion - Request inspection and waiver of requirement

Indicate the date water was first diverted and beneficially used under this permit: July 1985

Measuring Device: Required? ☒ Yes ☐ No
Installed? ☐ Yes ☒ No

Flow Measurement Port: Required? ☐ Yes ☐ No
Installed? ☐ Yes ☒ No

Person to contact to accompany the Department representative during the field examination:

Al W Bruner
(Name)

Rt 1 Box 56, Harrison, Id 83833 689-3259
(Address) (Telephone Number)

The above information is a true statement of the extent to which the above numbered permit has been developed.

10/11/85
Date

Jeffrey P Baker by AWB
Signature of Permit Holder (and Title, if appropriate)

MICROFILMED

Place
Stamp
Here

Idaho Department of Water Resources
Statehouse Mail
Boise, ID 83720

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant JEFFREY P. BAKER Phone 689-3259 message

Post office address c/o St Maries Wild Rice, Box 293, St Maries, Idaho 83861

2. Source of water supply St Maries River which is a tributary of SE Joe (JK-9/26/84)
(Govt. Lot 8)

3. Location of point of diversion is SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 3 Township 45N

Range 2W B.M. Benewah County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 80 af for irrigation purposes from March 1 to Oct. 30 ^{-JK 9/26/84} (both dates inclusive)
(cfs or acre-feet per annum)

Amount 1.0 for irrigation purposes from March 1 to Oct. 30 (both dates inclusive)
(cfs or acre-feet per annum)

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

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

5. Total quantity to be appropriated:

a. 1.0 cubic feet per second and 80 ^{JK 9/26/84} acre-feet per annum.
(1.0 cfs required to maintain 80 af during summer growing season. Periodic usage.)

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Old, badly deteriorated, culvert
through riverbank will be replaced with a 24" CMP with attached control gates
and pumping well. This structure will provide water to field for flood irrigation.

b. Height of storage dam 6' feet, active reservoir capacity 80 acre-feet; total reservoir
capacity 80 acre-feet, materials used in storage dam: earth fill

Period of year when water will be diverted to storage March 1 to Oct. 30 inclusive.
(Month/Day) (Month/Day)

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

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

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: _____ $\frac{1}{4}$ of _____ $\frac{1}{4}$ of Section _____ Township _____
Range _____ B.M.

(2) Amount of power to be generated: _____ horsepower under _____ feet of head.

(3) List number of each kind of livestock to be watered _____

(4) Name of municipality to be served _____, or number of families to be
supplied with domestic water _____.

(5) If water is to be used for other purposes describe: _____

CONFIDENTIAL

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[illegible]

*Gov. Lots added 11/2/1984 - kw

Total number of acres to be irrigated

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

9. a. Who owns the property at the point of diversion

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

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

applicant to make this filing.

10. Remarks	Water will be utilized for flood irrigation of wild rice grown as
-------------	---

~~a commercial farm crop. No actual storage reservoir will be used. Crop~~

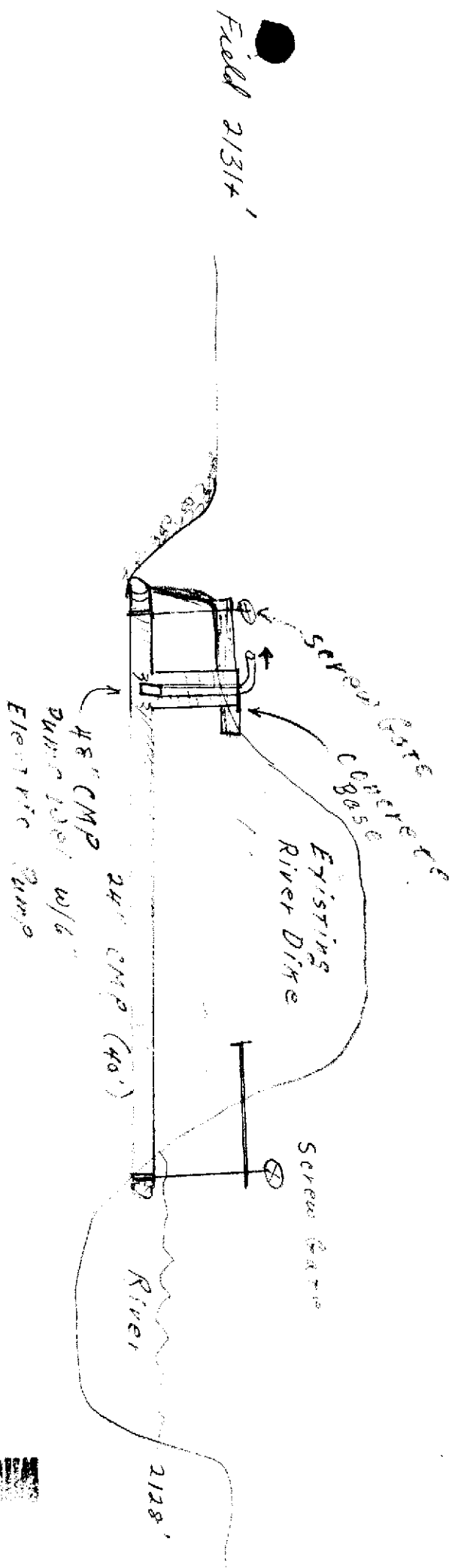
~~will be continuously flooded to a depth of about 18" during the growing season.~~

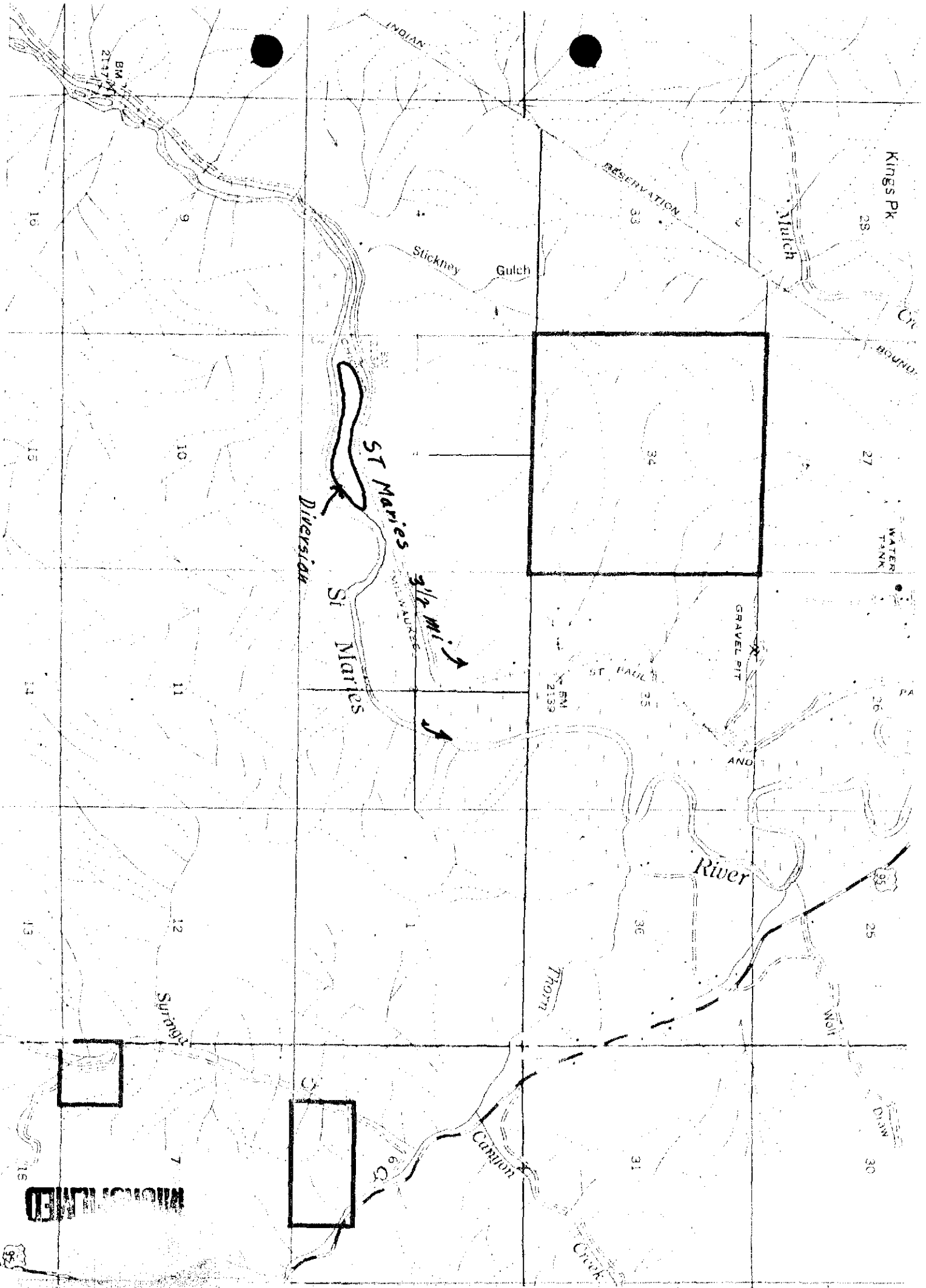
Construction will be accomplished during low water period.

NOTE: Field to be irrigated is above 2128' elevation. Spring flood waters

~~will be utilized for initial irrigation and supplemented by pumping thereafter.~~

Rock rip-rap provided
as needed



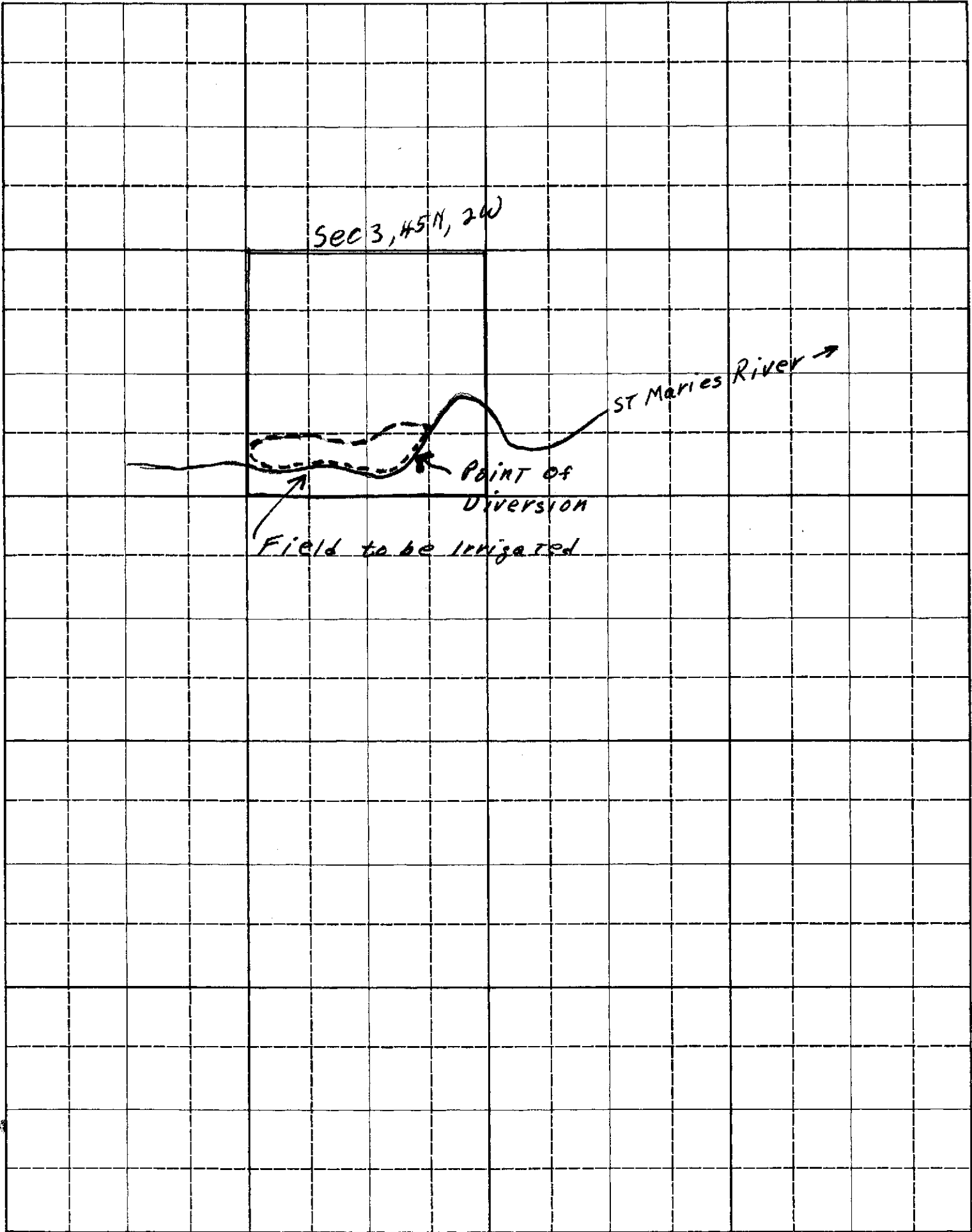


R2W 35'

R1W

UNCLASSIFIED

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



Scale: 2 inches equal 1 mile.

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

Jeffrey P. Baker
(Applicant)

MICROFILMED

Proposed Priority 9/24/84

RECEIVED

Received by Mr. [Signature] Date 9/24/84 Time 1:05pm
Preliminary check by JK Fee \$ 45.00
Received by Mr. [Signature] Date 9/25/84 (3:16pm)
Publication prepared by Mr. [Signature] Date 9/27/84
Published in Idaho Water Resources
Publication dates 10/3+10/84
Publication approved Mr. [Signature] Date 10/29/84
Protests filed by: None
Copies of protests forwarded by _____
Hearing held by _____ Date _____
Recommended for approval denial by Mr. [Signature] kw

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. 92-7175, 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 December 1, 19 85.

d. Other: A measuring device of a type approved by the Department shall be permanently installed and maintained as part of the diverting works. Diversion records shall be maintained and provided to this Department at the time of the field examination.

Witness my hand this 20th day of November, 1984.

D. Allen Saylor
Chief, Operations Bureau



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

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

July 6, 1993

JEFFREY P BAKER
C/O ST MARIES WILD RICE
11770 S ELDERBERRY WAY
SANDY UT 84092

RE: WATER RIGHT NO. 92-07175

Dear Water Right Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Jim Johnson', written over a horizontal line.

JIM JOHNSON
Water Rights Supervisor

JJ:dc

Enclosure

MAILED

JUL 08 1993

WR0749NP
No. L92-07175

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

DATE: 06/28/93
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	JEFFREY P BAKER C/O ST MARIES WILD RICE 11770 S ELDERBERRY WAY SANDY UT 84092	11/13/1984	IRRIGATION	03-15 11-15	1.00 CFS	120.0 AFA
TOTAL DIVERSION:					1.00 CFS	120.0 AFA

Water Source: ST MARIES RIVER

Tributary to: ST JOE RIVER

Stage: LICENSE

Point(s) of Diversion Capacity: 3.60 CFS

Point(s) of Diversion: T45N R02W S03 Lot 08(SW SE)

Place of use Legal Description for: IRRIGATION

NE				NW				SW				SE														
T	R	S	:	NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:	SUM		
---	---	---	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	---
45N	02W	3	:					:						:			10	12	:			04	14	:	40.0	
																							TOTAL ACRES		40.0	

Pou County: BENEWAH

Other Water Rights Listing Overlapping Place(s) of use:
92-07175

Conditions of Approval:

R24 - This right when combined with all other rights shall provide no
- more than 3.0 afa per acre for the lands above.

Dates: App. Received: 09/24/1984 Priority Date: 11/13/1984
Proof Due Date: 12/01/1985 Proof Made Date: 10/17/1985
Exam Made Date: 06/19/1991 Exam Sent to S.O.: 06/22/1991
Licensed Date:

Misc: Water District Number: Field Exam Fee: R (Received)

Audit: 06/28/93 CHAPMAN

MEMORANDUM

Date: June 22, 1993
From: Jim Johnson
To: File
Subject: Review of request for a rate greater than 0.02cfs/ac

=====

Mr. Jeff Baker has submitted information summarizing estimates of rates of flow required for wild rice crops gathered from various recognized experts in water resources.

Rate of flow needed for wild rice production is unique in that the rice plants are actually grown in standing water ponds that maintain certain levels rather than using the traditional irrigation application methods.

I believe Mr. Baker has submitted adequate information showing a diversion rate greater than 0.02 cfs/acre is needed.

The estimated rate of diversion listed on the field examiner's report showed approximately 3 cfs being diverted at the time of the exam. However, this estimate of the diversion capacity should not be used to limit the rate to 3.06 cfs due to the nature of uncertainty in estimating actual discharge capability of the diverting equipment. Since there is a fairly expensive energy cost (Tractor with PTO driven pump) associated to the diversion of water it is doubtful that water is unnecessarily being applied. The rate estimated diverted, however, is fairly consistent with the total amount applied for under the two water rights filed for this irrigation. Right 92-0709 was licensed for 2.60 cfs and this permit requested 1.00 cfs for a total diversion of 3.60 cfs.

Other considerations such as abundant availability of water supply and lack of adverse impact to existing water rights further lessen the need for strict adherence to the 0.02 cfs/acre requirement. Therefore, the license should be issued for 1.0 cfs as limited by the permit.

RECEIVED

JUL 08 1993

RECEIVED

MAY 28 1993

Department of Water Resources

May 25, 1993

Mr. Jim Johnson
Dept. of Water Resources
1301 N. Orchard
Boise, ID 83706

Dear Mr. Johnson,

It was nice talking to you on the phone today regarding the irrigation of my wild rice fields near St. Maries. As I mentioned on the phone, I am taking over the management of my own field as well as my mother-in-law's field this year. The current permit number on my field is 92-7175 and the number on my mother-in-law's field is 92-7090. The current rate of flow is inadequate and I would like to request a greater flow rate on each of these fields for more effective irrigation of the crop.

A problem in determining the irrigation requirements of wild rice in North Idaho is that there is very little information available from the usual sources because the industry is relatively new and quite small. There has been about ten years of observations on my own field (92-7175) which have given me a good idea of the total requirements. The variety of wild rice we grow does best with water depth about 18 inches throughout the growing season. The total pumping required for the season is about 42". Runoff into the field keeps the field water level at the proper level until about the first of July when pumping is then required. Flow rates of about .909 cfs 24 hours a day are adequate early in the irrigation season. However, as field temperatures and E.T. rates increase into late August water levels can drop about 3 inches per day requiring a flow rate of about 5.042 cfs. I would like to submit the following summary of my notes to support my request for an increased flow rate.

To get a better idea of evaporation, transpiration, and seepage rates, I called several experts around the Western United States. Included in those conversations were Jack Williams, University of California Cooperative Extension in Yuba City, California, Dr. Robert Hill, Irrigation Specialist at Utah State University in Logan, Utah, Dr. Jim Wright at the Agriculture Research Center in Twin Falls, Idaho, Dorrell Larsen, University of Idaho research station in Caldwell, Idaho and Chuck Huntley at the Bureau of Reclamation in Denver.

RECEIVED

1 JUL 08 1993

Summarizing those conversation, as well as from personal observation of the field, the best estimate for seasonal water requirements for wild rice production on my field in St. Maries is as follows:

Crop evaporation & transpiration (E.T.)	37"
Seepage/infiltration back into the soil	37"

Total irrigation required	74"
Minus rainfall & runoff into field	- 32"

Total pumping required	42"

The total pumping required is less than 1/2 the amount required in California where wild rice farmers must be prepared to pump about 8 feet of water over a growing season with the crop taking about 40 inches for evaporation and transpiration, according to Jack Williams.

Jack Williams gave the following rules of thumb for irrigating wild rice in the Sacramento valley:

1. Farmers must be prepared to pump 8 feet of water over a 130 day growing season for both crop E.T., seepage into the soil, and overflow out the end of the field.
2. Crop takes about 40". Studies have shown 36-42" for crop.
3. You need 3 times as much pumping flow to flood field as you do to maintain levels.

Dr. Robert Hill at USU in Logan suggested using the E.T. for alfalfa plus 10 to 20 percent to estimate the E.T. for wild rice in St. Maries. He gave a ball park figure for percolation through clay soil at 2" per day. A percolation test could be done with a 55 gal drum with the bottom cut out. Place on the dike, cover with plastic to prevent evaporation. Measure the rate at which water percolates through the soil over about a two day period. Keep water in the drum just a little higher than field so hydrostatic pressure outside of drum will not cause water to flow back into drum. Of course actual measurement of water level over the whole field is the most accurate way, which has been measured at up to 3" per day during the hottest part of the growing season and when the plant is large and growing fast.

An equation provided by Dr. Hill used in irrigation is: $Q \times T = A \times D$, where, Q = Cubic feet per Second, T = hours. A = acres, D = depth in inches.

Dr. Jim Wright at the Ag Research Center in Twin Falls, (208) 423-5582 ext. 21, mentioned an important factor from the study of seepage rates in irrigation canals. It has been found that seepage rates decrease over the season due to the formation of slime bacteria in the soil among other factors. As an example, a pond which lost 6 inches of water per day in the beginning of the season lost only 6/10 inch per day later in the season. The ability of a flooded field to seal itself over the season is an important reason why consistent water levels need to be maintained.

Dr. Wright thought Dr. Hill's estimate of 10 to 20 % above alfalfa's E.T. would be about right, although he thought 10% would be a little too conservative. To get an E.T. for alfalfa in St. Maries he referred to the University of Idaho Bulletin 516, July 1970 "Consumptive Irrigation for Crops in Idaho". Alfalfa in Moscow, Idaho uses a mean of 24.32 inches per season with a maximum of 30.72. Dr. Wright has found this figure to be about 30% low based on his experience at Twin Falls. He says the bulletin is pretty accurate for deep rooted crops but low for shallow rooted crops. He thinks one should multiply the mean by about 30% to get a more accurate figure. Therefore, $24.32 \times 1.30 = 31.616$, the water needed for alfalfa adjusted for the underestimation in Bulletin 516. 31.616×1.20 , the adjustment for wild rice given by Dr. Hill, = 37.939, the total water used for wild rice in North Idaho.

Chuck Huntley at the Bureau of Reclamation in Denver, (303) 236-3805 or 3810, estimated the average seepage rate of soil in the western U. S. to be about equal to the crop E.T. In other words, the average irrigation system has about a 50% efficiency in western soils. Using my field as an example, it is estimated that wild rice grown in St Maries has a seasonal E. T. of about 37". Another 37" of water is needed to compensate for seepage based on the average. The soil in the flood plain of Benewah County is likely to have a seepage or percolation rate much lower than the average for the western states.

Chuck thought the E.T. for wild rice would be closer to 25% more than that of alfalfa.

Pumping calculations to keep up with maximum E.T.:

43560 cubic feet = 1 acre foot

3 inch drop per day = 10890 cu. ft./ acre, i.e. $43560/4 = 10890$

10890×40 acres = 435,600 cu. ft.

$435,600 / 24$ hours = 18,150 cu. ft. per hr.

$18,150 / 3600$ seconds per hour = 5.042 cfs needed to keep

JUL 30 1981

up with maximum E.T., or, $5.042/40$ acres = .126 cfs per acre.

Pumping calculations to pump 42" over the season:

Assumptions: Runoff keeps the field filled until the end of June, pumping is from the beginning of July until September 15th. (77 days, 77days x 24 hours = 1848 hours = T)

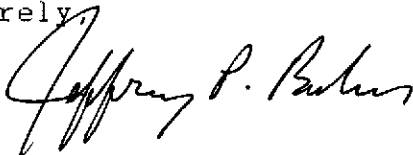
Equation: $Q = A \times D / T = \text{cu. ft. per sec.}$

$40 \text{ acres} \times 42 \text{ inches} / 1848 \text{ hours} = .909 \text{ cu. ft. per sec.}$

$.909 \times 3, \text{ rule of thumb in Calif.} = 2.727 \text{ cfs, or,}$
 $2.727/40 \text{ acres} = .068 \text{ cfs per acre.}$

In conclusion, I would like to request a flow rate of 5 cfs for my own 40 acre field(92-7175), or .126 cfs per acre and a flow rate of 8.19 cfs for my mother-in-law's 65 acre property(92-7090), also .126 cfs per acre. Of course, this flow rate will not be constant throughout the season but will cover the period of maximum E.T. Please help me with the proper paperwork for permits, licenses, etc. If you need any other information please let me know.

Sincerely,



Jeffrey P. Baker
11770 So. Elderberry Way
Sandy, UT 84092
(801) 571-84092

RECEIVED
JUL 28 1992

DATE

FROM

Ken Knoblock

TO

92-7175

SUBJECT

Address change

change of address for Jeff Baker

now
11770 S. Elderberry Way
Sandy, UT 84092

MICROFILMED

JUL 08 1993

SIGNATURE

August 27, 1991

JEFFREY P. BAKER
C/O ST. MARIES WILD RICE
P.O. BOX 293
ST. MARIES, ID 83861

RE: WATER RIGHT NO. 92-07175

Dear Water Right Holder(s):

Enclosed is a draft copy of the license proposed to be issued on the above referenced water right.

This right is currently being reviewed by this office for licensing. The enclosed preliminary copy is subject to change upon further administrative review.

We ask that you review the proposed license and if you do not concur with the information, please let us know within 10 days.

Sincerely,

SHARLA CURTIS
Technical Records Specialist

SC:blm

Enclosure

MICROFILMED

JUL 08 1993

BENEFICIAL USE FIELD REPORT REVIEW

TO: FILE 92-7175
FROM: SHARLA CURTIS
RE: PRIORITY ADVANCE REVIEW
DATE: 30-JUL-1991

This review memo is prepared to show the process for determining what elements were involved in advancement of the priority.

	<u>DATE</u>	<u>JULIAN</u>
PERMIT		
Permit priority Date:	SEPTEMBER 24 1984	267
EXAM FEE NOTICE		
Exam Fee Notice Date:	APRIL 30 1986	120
Exam Fee/Info Sheet Received Date:	AUGUST 18 1986	230
Exam Fee or Info Due Date:	JUNE 29 1986	180
Days Late:		50 DAY(S)
NEW PRIORITY DATE		
Original Priority Date:	SEPTEMBER 24 1984	267
Total Days Late:		50 DAY(S)
New Priority Date:	NOVEMBER 13 1984	317

RECEIVED

JUL 08 1993



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

NORTHERN REGION

REMARKS / PHOTOS

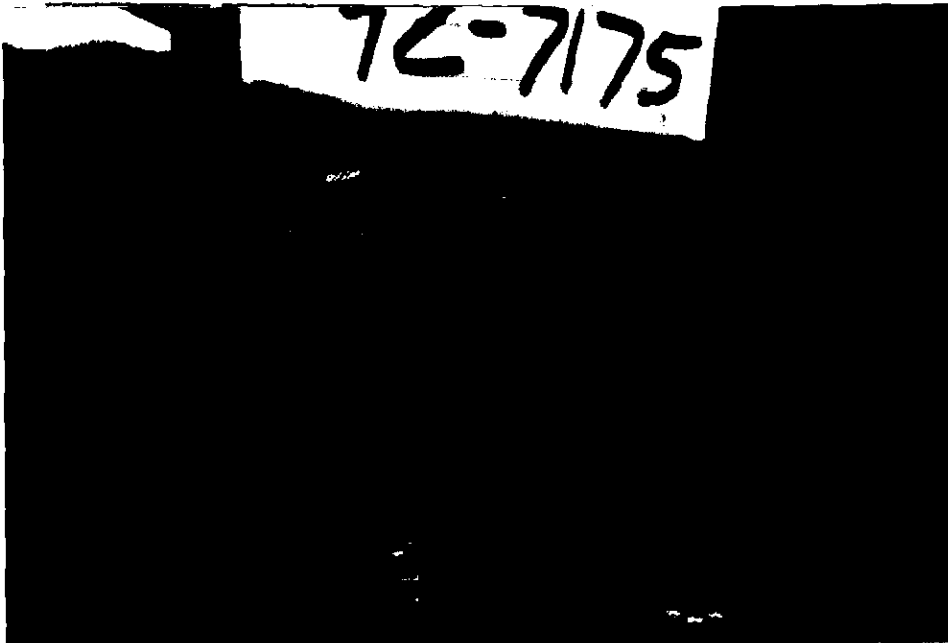
PERMIT # 92-7175

DATE

INITIALS

6-30-87 Appt. made 7-8-87 (wed)

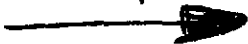
J.A.



Gate Valve

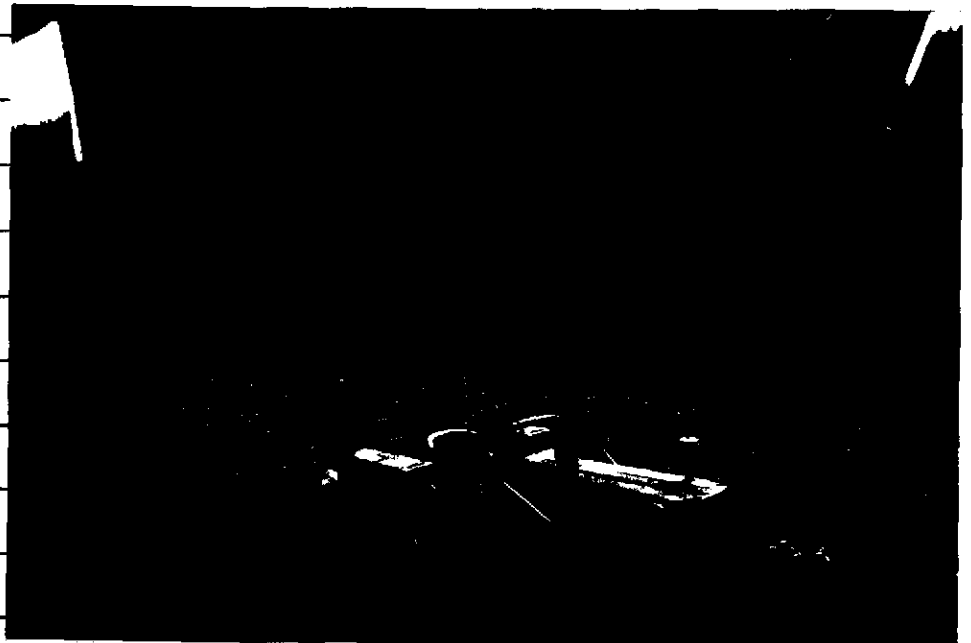


#1 Pump



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JUL 08 1993

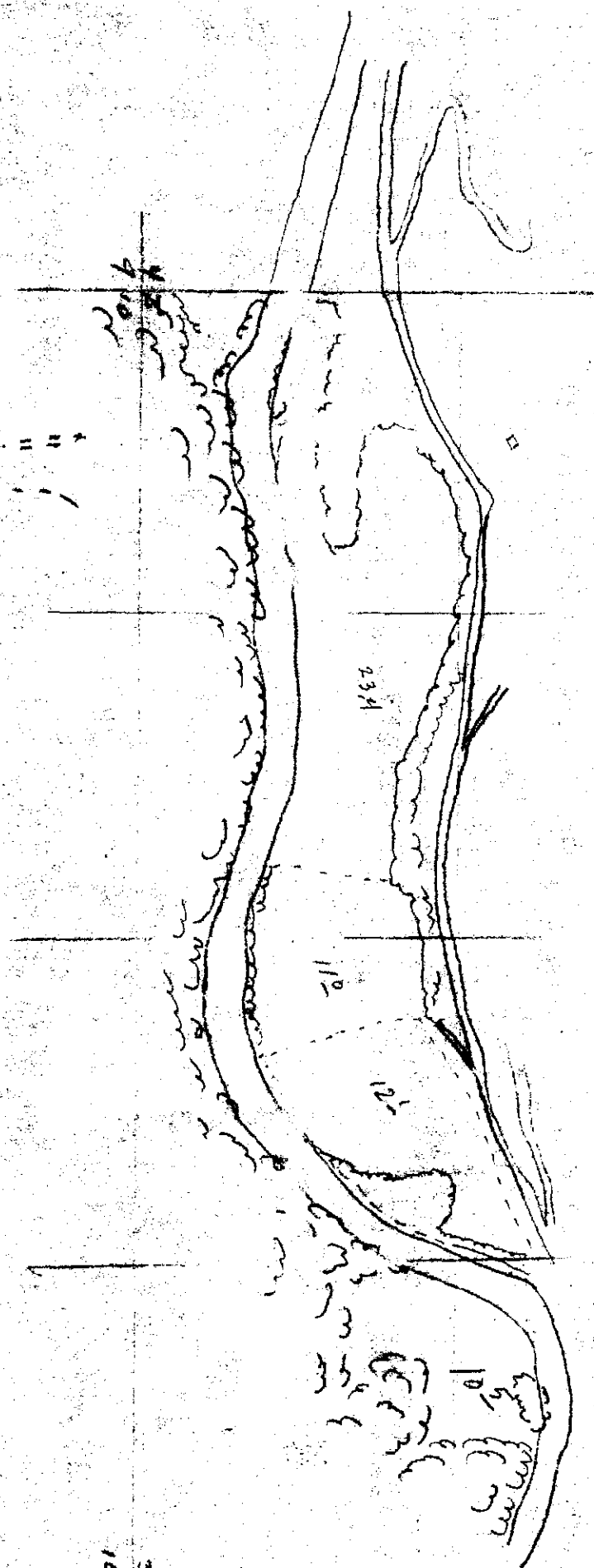


Aerial Not Available

TRACING OF AERIAL BY JK

See Log. BY Comparison

With G.L. PLAT



12
11
23
46

MICROFILMED

JUL 08 1993

92-7175

745N R2W Sec 3 Gov't lots 8, 9, 10



Sec 3

RECEIVED

JUL 08 1993

15 39
13 16
12 31
40 86
←

92-7175

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
JUN 24 1991
Department of Water Resources

A. GENERAL INFORMATION

Permit No. 92-7175

1. Owner: Jeffrey P. Baker Phone No. _____

Current Address: c/o St. Maries Wild Rye, Box 293, St. Maries, Idaho

2. Accompanied by: _____ EXAM. DATE: 6-30-87 7-8-87

Address: _____ Phone No. _____

Relationship to Permit Holder: _____

3. Source: St. Maries River and
~~Washed Creek~~ tributary to St. Joe River
~~Spring~~

B. OVERLAP REVIEW

1. Other water rights with same place of use: NONE

☐ Copies Attached

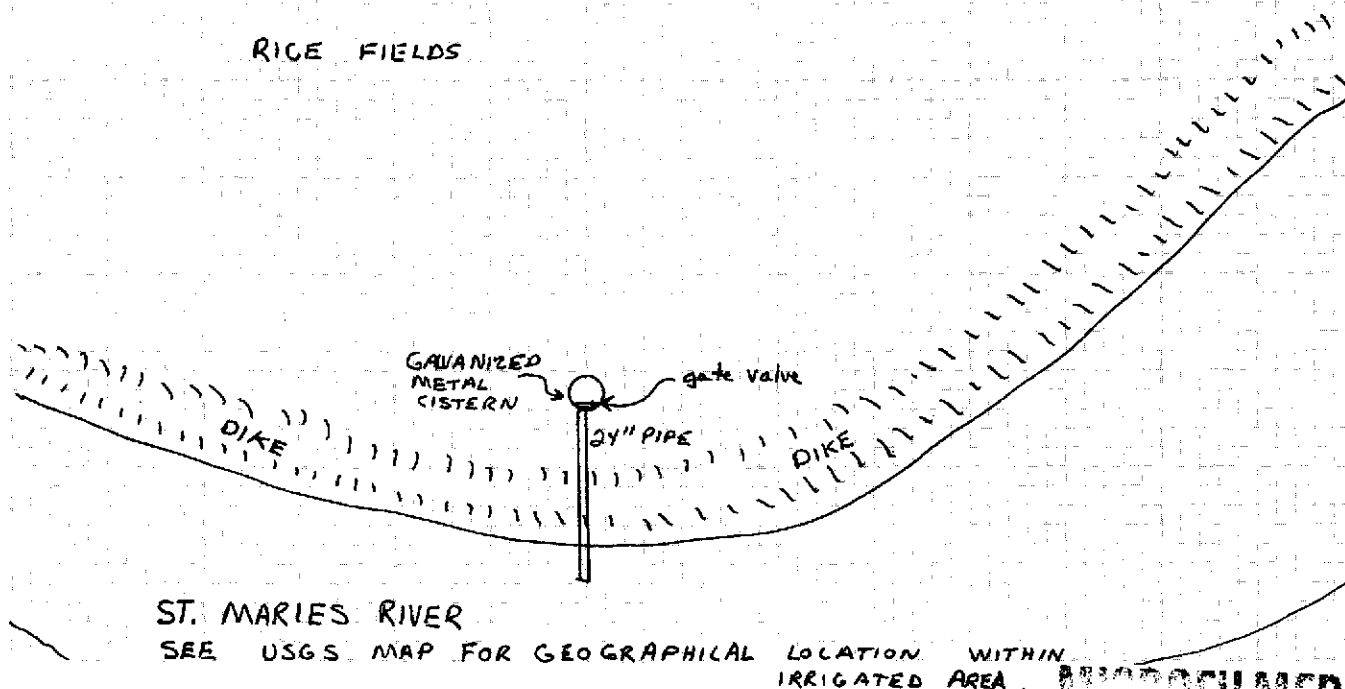
2. Other water rights with same point of diversion: NONE SEE REMARKS - TDK

☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached

DRAWING BY JD 8/25/89 after being on site



Scale: 1" = _____

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required).

☐ Aerial Photo Attached
(required for irrigation of 10 acres or more) 10/10/88 1993

☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater.)

System Description (continued)

3. Narrative: Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

Springs and runoff fill field to be irr., 1 pump

used to pump water in when needed.

Gate, 24", is used to let water out when excess.

Flood irr. is used w/ Auger of 18" deep.

12" intake tractor PTO & pump, 6" open discharge into field for flood irr.

Excess water discharged into St. Marias River within 61.8 (SWSC) Sec. 3, T45N, R24W

☐ See Remarks on page 4 for continuation

Well or Division Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Supplement	CR: 54 Full: 65		—	—	12" 106"

4. Points(s) of Division:

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

Ident. Gov't. Lot	%	%	%	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
8				SW 5E 3	45N 2W	Benewah		Map - Permit

6. Place(s) of Use:

Indicate Method of Determination

Map - Permit

Twp.	Rge.	Sec.	NE 1/4	NE 1/4 NW 1/4	SW 1/4 NW 1/4	SE 1/4 NW 1/4	NE 1/4	SW 1/4	SE 1/4	NE 1/4 NW 1/4	SW 1/4 NW 1/4	SE 1/4 NW 1/4	NE 1/4	SW 1/4	SE 1/4	Totals
45N	2W	3														49
																40

Total

Do not use this space

JUL 08 1993

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

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

2. Measurements:

~~NO measurement possible JPK~~
 $(7 \text{ RPM}) (0.001 \text{ AF/R}) (43500 \text{ R/AF}) = 5.08 \text{ cfs}$
 60 S/M
~~8.8 (75%) PUMP IS ON TRACTOR PTO & VARIES AS THROTTLE IS CHANGED.~~

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

$$Q = 1.0 \text{ via permit}$$

2. Alternate Method for Checking Purposes:

$$Q_{\text{irr req.}} = .02(40) = .80 \text{ cfs} = \frac{(8.8)(1.75)(65)}{2 + 2.3(60)} = 3.06 \text{ cfs}$$

Aprox. for irr.

$Q_{\text{supplement from St. Maries River}}$

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)
 Total Head: (1) + (2) = _____ (3); Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{\text{I.R.}} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \frac{40}{80} \times \frac{3.0}{245} = 120 \text{ AF}$$

$$V_{\text{D.R.}} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 196$$

$$V = \text{Smaller of } V_{\text{I.R.}} \text{ and } V_{\text{D.R.}} = 120$$

2. Volume Calculations for Other Uses:

$$V_{\text{Storage}} = 18'' \times 40 \text{ AC} \times \frac{1 \text{ ft}}{12 \text{ in}} = 120 \text{ AF}$$

For & from irrigation

JUL 08 1993

H. REMARKS AND OVERLAP REVIEW ANALYSIS

NONE

Same system as #1 pump is same as #2 pump listed in 91-07094

\$92-07090

BETWEEN FLO SAME LEGAL AS F.I.D.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use		Period of Use		Rate of Diversion		Annual Volume	
		From	To	Q (cfs)		V (afa)	
Irrigation		3-15	11-15	.80 cfs		120-604F	DK
STORAGE FOR IRR		3-15	11-15			604F	DK
IRR FM STORAGE		3-15	11-15			604F	DK
Totals:				.80 cfs		180-604F	DK

2. Recommended Amendments

- ☐ Change P.D. as reflected above
- ☐ Add P.D. as reflected above
- ☐ Change P.U. as reflected above
- ☐ Add P.U. as reflected above
- ☒ None
- ☐ Other

J. AUTHENTICATION

Field Examiner's Name

Signature

Certification Date

Field Report Preparation Date

7-8-87

Jennifer Hughes



K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

JUL 08 1988

4/8
RECEIVED
AUG 18 1986

STATE OF IDAHO

Department of Water Resources

DEPARTMENT OF WATER RESOURCES

EXAMINATION FEE INFORMATION

For Office Use Only
Fee Received \$100.00
Date 8-18-86
Receipt # 38926
Receipt by lg
Sent to S.O. 9/3/86

RECEIVED
SEP 5 1986

1. Permit No. 92-7175

ONE OF THE FOLLOWING BOXES SHOULD BE MARKED TO DESIGNATE YOUR CHOICE:

☒ I choose to have the department make the field examination of this permit; attached is the examination fee. (If this box is marked, complete items 1 thru 8.)

2. Permit Holder: Jeffrey P. Baker

3. Post Office Address: c/o Box 293, St. Maries, Id 83861

Telephone No. (208) 245-5835

4. Source of Water: St. Maries River and unnamed creek & spring

5. Extent of Use:

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

Irrigation 40 (acres) Other/Remark _____

6. Total rate &/or volume for which proof is submitted 1.0 cfs 80 acre-feet

7. Show the date water was first diverted and beneficially used under this permit:

Spring 1985

8. Person to contact to accompany the department representative during the field examination:

Al W. Bruner (Name)

PO Box 293, St. Maries, Id 83861 (Address) (208) 245-5835 (Telephone Number)

☐ I choose to have the field examination conducted by a certified water right examiner. Attached is a statement from the certified examiner I have selected verifying that he has been retained to conduct the examination. (If this box is marked, complete items 1 thru 7.)

Date _____

Jeffrey P. Baker signed in error
Signature of Permit Holder (and title, if appropriate)

JUL 08 1993

July 8, 1986

Mr. Al W. Bruner
St. Maries Wild Rice
P. O. Box 293
St. Maries, ID 83861

Dear Mr. Bruner:

This letter is written in regard to your letter of June 5, 1986, concerning the provisions of House Bill 671. We can certainly understand your feelings that you are being treated unfairly. The provisions of HB 671 were the legislature's solution to a problem which we had brought before them for at least the last three years.

Statewide, the Department of Water Resources has approximately 4,000 field exams to complete and that number continues to grow every year. During previous sessions of the legislature, the department has asked for money from the general fund to hire additional personnel to conduct field exams so that the backlog could be eliminated. The legislature was not willing to appropriate additional money from the general fund to hire; however, they did recognize the magnitude of the problem and their solution was to impose a fee on the permit holder for the proof of beneficial use examination.

In past field seasons, our goal was to be as effective and efficient with the time available to conduct as many exams as we possibly could. This, of course, meant that exams were not necessarily done in the order in which they were received in the office. It is possible that water right exams have been done in the St. Maries area for water rights for which proof of beneficial use was received after the proof was filed for Permit No. 91-7074. However, for Permit No. 92-7175, it would not have been possible to do the examination prior to the provisions of HB 671 becoming effective because the proof for that filing was not filed until October 17, 1985 which is after the usual field examination season.

The monies received for proof of beneficial use examinations are being used during this summer season to employ the services of 10 additional temporary employees. One additional temporary field examiner is presently employed in the Coeur d'Alene office. Since the backlog of exams is greater in our Eastern and Western Regions, the bulk of the

JUL 08 1993

July 9, 1986

temporary employees are located in Idaho Falls and Boise.

Again, we understand the concern that you have expressed in your letter. They mirror the feelings of many other water right holders. However, because the provisions of HB 671 have been mandated by the legislature and signed into law by the Governor, the Department of Water Resources does not have any latitude in this matter.

If you have any other questions, please contact the department.

Sincerely,

L. GLEN SAXTON
Chief, Operations Bureau

LGS:rf

JUL 08 1993



ST. MARIES WILD RICE

P.O. Box 293

St. Maries, ID 83861

(208) 245-5835

One mile west on Hwy. 3 at the St. Maries Airport

RECEIVED

JUN 19 1986

Department of Water Resources

June 5, 1986

State of Idaho
Department of Water Resources
Statehouse
Boise, ID 83720

Attn: Mr. L. Glen Saxton

Dear Mr. Saxton,

This letter is written to protest enforcement of the provisions of House Bill 671 as described in your letter of April 30, 1986 which specifically relates to Department of Water Resources agricultural permit applications #91-7094 dated in 1983 and #92-7175 dated in 1984 as submitted by St Maries Wild Rice.

Proof of Beneficial Use for these applications was filed in a timely manner as prescribed by law. It was through no neglect or wrong doing on our part that the required inspections were not conducted by the Department of Water Resources.

Apparently some inspections were performed on applications in this area which were filed well after our applications. It would appear that convenience played a more important part in when inspections were performed than did application dates.

We feel we are being unjustly penalized by the assessment of these new fees when we are not at fault under the old inspection system.

Unless these fees translate directly into additional personnel we still have no assurance that the inspections will be made and the permits issued.

When I recently inquired as to which private examiners were available to do the inspections, I was told by the Northern Region Office that several were being considered but that none had yet been approved. It would seem that we are being asked to submit additional fees for inspections which should have been performed without charge last year and which may still not be done in a timely manner.

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JUL 08 1986

"Premium quality Idaho grown wild rice"



ST. MARIES *WILD RICE*

P.O. Box 293

St. Maries, ID 83861

(208) 245-5835

One mile west on Hwy. 3 at the St. Maries Airport

June 5, 1986

Page 2

Mr. Saxton

I am sure that you and the Legislature are well aware of the difficulty being experienced by Idaho farmers during these trying times. Being a new agricultural enterprise struggling for existence, we certainly did not need another roadblock in our path or additional expense at this time.

Sincerely,

Al W. Bruner

cc: Emery E. Hedlund
Cy C. Chase
Jack Buell
Representative Vernon Lannen

JUL 08 1986

"Premium quality *Idaho* grown wild rice"



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

Mailing address:
Statehouse
Boise, Idaho 83720

A. KENNETH DUNN
Director

92-7175
BAKER, JEFFREY P.
C/O ST. MARIES WILD RICE
P.O. BOX 293
ST. MARIES, ID 83861

138136

April 30, 1986

CERTIFIED MAIL

EXAMINATION FEE NOTICE

Dear Permit Holder:

Department records show that proof of beneficial use has been submitted for the above-referenced permit, but that a field examination has not yet been conducted to determine the extent of beneficial use of the water for licensing purposes.

House Bill 671 (effective April 4, 1986) enacted by the 1986 Idaho Legislature requires the payment of a fee before this department can conduct the field examination needed to issue a license confirming use of water under the permit. This letter is notification that the license examination fee is due within sixty (60) days of the date of this letter. The examination fee information sheet (enclosed) must be returned with the fee.

As an alternative to submitting the fee, the department will accept a field examination report completed by a certified water right examiner from the private sector. If you choose to have the examination done by a certified water right examiner, you need not submit the license examination fee to the department, but you must within sixty (60) days of the date of this letter return to the department, the examination fee information sheet showing appropriate information together with a statement from the certified examiner to verify that you have retained a certified examiner to conduct the field examination. If you choose this alternative, a completed field examination report must be submitted within one year of the date of this letter. You cannot later change your decision to use this alternative and submit the fee needed for the department to conduct the field examination, but you may change to another certified examiner.

Certified water right examiners are licensed engineers, geologists, or land surveyors certified by the department to conduct water right examinations. The procedure for certifying examiners results from the recently enacted HB 671 and is being developed at this time. A listing

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JUL 08 1986

of certified water right examiners will be available from this department when examiners have been certified.

If your permitted use, in fact, has already been examined by the department and you have not asked to have the examination repeated, the fee requirement is not applicable to your permit. If you believe this is the case, please contact the department.

The license examination fee is to be based on the amount of water you indicate you have developed, as listed in item 6 on the examination fee information sheet. The amount of water on which the examination fee is based can be less than the permitted amount, if less water has been diverted and beneficially used. The licensed amount of water, however, will not exceed the amount you claim on the examination fee information sheet. The enclosed license examination fee schedule shows a listing of applicable fees.

FAILURE TO SUBMIT WITHIN THE SIXTY (60) DAY PERIOD, THE FEE OR THE STATEMENT THAT A CERTIFIED EXAMINER HAS BEEN RETAINED TO MAKE THE FIELD EXAMINATION, WILL BE CAUSE TO ADVANCE THE PRIORITY OF THE PERMIT ONE DAY FOR EACH DAY THAT THE FEE SUBMITTAL IS LATE.

FAILURE TO SUBMIT THE FEE OR THE COMPLETED FIELD EXAMINATION REPORT WITHIN A YEAR WILL BE CAUSE TO CONSIDER THE PROOF OF BENEFICIAL USE TO BE INCOMPLETE AND TO LAPSE THE PERMIT.

The attached examination fee information sheet and the fee may be submitted to the following department offices.

Northern Region

Idaho Dept. of Water Resources
4055 Government Way
Coeur d'Alene, ID 83814
Phone: 765-4639

Eastern Region

Idaho Dept. of Water Resources
150 Shoup Ave., Suite 15
Idaho Falls, ID 83401
Phone: 525-7161

Southern Region

Idaho Dept. of Water Resources
1041 Blue Lakes Blvd. North
Twin Falls, ID 83301
Phone: 734-3578

Western Region

Idaho Dept. of Water Resources
450 W. State St., (Third Floor)
Boise, ID 83720
Phone: 334-2190

Sincerely,



L. GLEN SAXTON
Chief, Operations Bureau

Enclosures

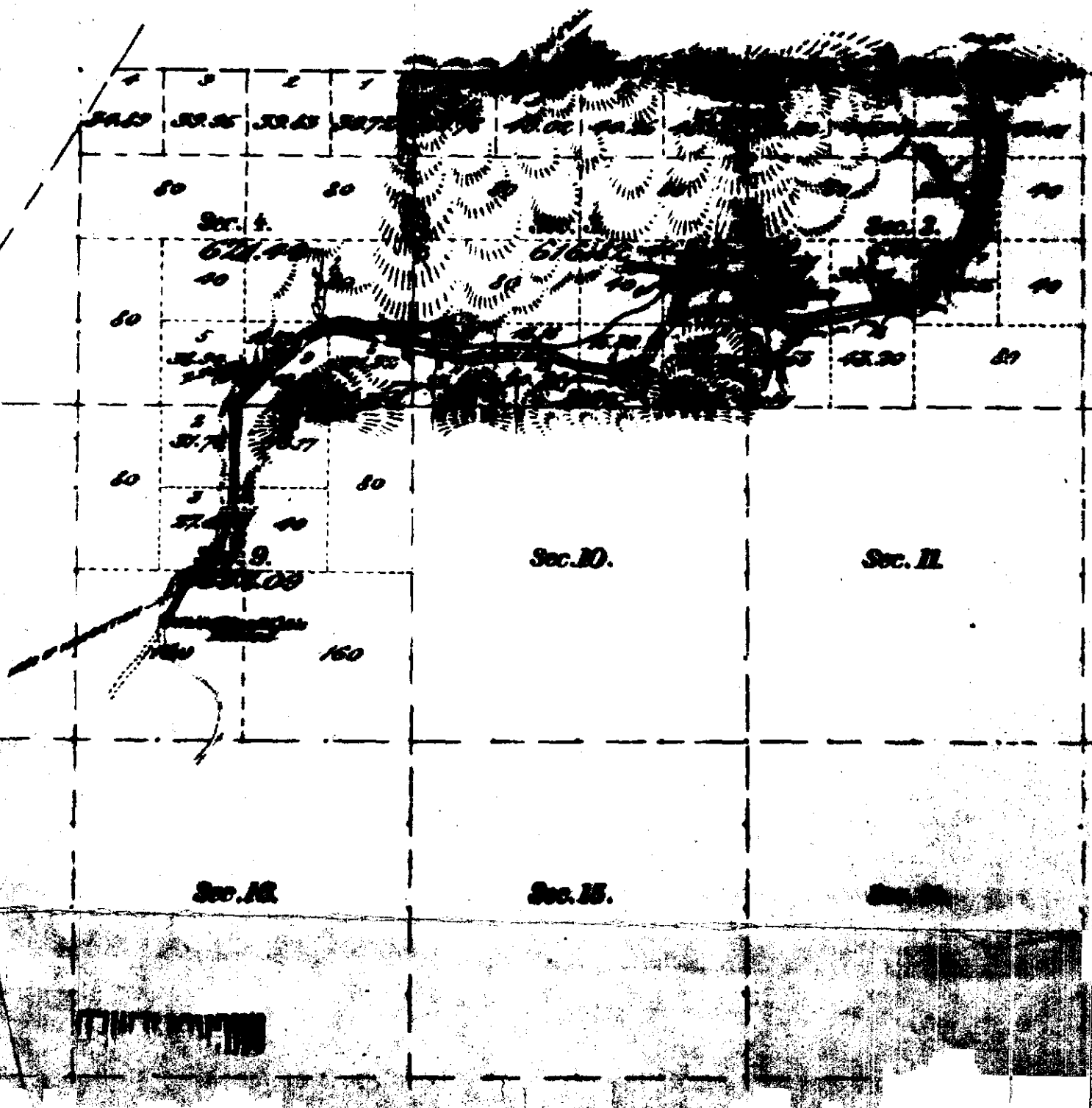
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JUL 08 1993

Range No 2 West

of the Boise Merit

E d D c C b B



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440
CERTIFIED MAIL

138398

BAKER, JEFFREY P.
C/O ST. MARIES WILD RICE
P.O. BOX 293
ST. MARIES, ID 83861

PROOF DUE NOTICE

SEPTEMBER 30, 1985

DEAR PERMIT HOLDER:

ONE OF THE CONDITIONS OF APPROVAL OF YOUR WATER PERMIT NO. 92-7175 WAS THAT PROOF OF THE EXTENT OF YOUR BENEFICIAL USE MUST BE SUBMITTED TO THIS OFFICE ON OR BEFORE DECEMBER 01, 1985. (SEE LAST PAGE OF YOUR APPROVED PERMIT OR YOUR LAST APPROVED EXTENSION REQUEST). ENCLOSED IS A FORM WHICH 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, MORE THAN ONE EXTENSION OF TIME CAN BE GRANTED. AN EXTENSION OF TIME REQUEST FORM IS ENCLOSED FOR YOUR CONVENIENCE.

EITHER THE BENEFICIAL USE FORM OR A 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,

RITA FLECK
SECRETARY/RECORDS MANAGER

ENCLOSURES

MICROFILMED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440

BAKER, JEFFREY P.
C/O ST. MARIES WILD RICE
P.O. BOX 293
ST. MARIES, ID 83861

JANUARY 10, 1985

RE: PERMIT NO. 92-7175

DEAR PERMIT HOLDER:

ENCLOSED IS A COPY OF YOUR APPROVED APPLICATION FOR PERMIT. WE DIRECT YOUR ATTENTION TO THE CONDITIONS OF APPROVAL ON THE FOURTH PAGE.

BE SURE TO NOTE THE SPECIAL CONDITION REQUIRING YOU TO INSTALL AND MAINTAIN A MEASURING DEVICE AT YOUR POINT OF DIVERSION. WE HAVE ENCLOSED A DESCRIPTION OF THE DIFFERENT TYPES OF MEASURING DEVICES ACCEPTED BY THIS OFFICE.

WE HAVE ENCLOSED INSTRUCTIONS ENTITLED "MAKING PROOF OF BENEFICIAL USE". PLEASE READ THE INSTRUCTIONS CAREFULLY SINCE YOU MUST TAKE FURTHER ACTION TO DEVELOP THIS PERMIT. ALSO ENCLOSED FOR YOUR CONVENIENCE IS THE STATEMENT OF BENEFICIAL USE POSTCARD THAT MUST BE SUBMITTED WHEN YOUR PROJECT IS COMPLETED.

SINCERELY,

DAVID R. TUTHILL, JR., P.E.
SUPERVISOR, WATER ALLOCATION SECTION

ENCLOSURE

MICROFILMED

MEMORANDUM

TO: File

FROM: Jim Johnson

DATE: November 2, 1984

RE: Excessive Flow Justification

A review has been made of the request for 1.0 cfs rate of diversion for 40 acres of irrigated rice.

Rice is an unusual crop and no known water requirement data is available. The excess amount over 0.02 cfs/ac is only 0.2 cfs. The area proposed is not located in a known water shortage area. Therefore, the rate, even though greater than 0.02 cfs/ac, may not have an adverse impact on other water rights.

The permit holder should be required to maintain water diversion records to show that the amount diverted has been used beneficially.

0000000000

Affidavit of Publication

STATE OF IDAHO
County of Benewah, ss.

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

That the notice, of which the one hereto attached is a true copy, was published in said newspaper for a period of 9 issues, the first publication being on the 3rd day of Oct, 1984 and the last on the 10th day of Oct, 1984.

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

Subscribed and sworn to before me this 25th day of Oct, 1984.

Sharon D. Black
Notary Public in and for Benewah County, Idaho
Residing at St. Maries, Idaho

Jeffrey P. Baker asks OK for water right

NOTICE OF APPLICATION FOR WATER RIGHT

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

92-7175

Name: Jeffrey P. Baker
Address: c-o St. Maries Wild Rice,
P.O. Box 293, St. Maries, ID 83861
Date Filed: Sept. 24, 1984
Source: Saint Maries River
tributary to Saint Joe River
Point of Diversion: Lot 08 (SWSE)
Sec 03 T 45N R 02W
In: SWSW SESW NWSE SWSE Sec
03 T 45N R 02W for 40 acres
Use: Irrigation (1.00 cfs)

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, 4055 Gov't Way, Coeur d'Alene, Idaho 83814 on or before October 22, 1984.

KEN DUNN, Dir.
No. 7643 — Oct. 3-10.

RECEIVED

OCT 26 1984

Department of Water Resources
Northern District Office

92-7175

BAKER, JEFFREY P.

C/O ST. MARIES WILD RICE, P.O. BOX 293, ST. MARIES, ID 83861

Source: SAINT MARIES RIVER trib. to SAINT JOE RIVER

Date Filed: 09/24/1984

Diversion Pt: LOT 08 (SWSE) Sec 03 T 45N R 02W

Use: IRRIGATION (1.00 CFS)

In: SWSW SESW NWSE SWSE Sec 03 T 45N R 02W FOR 40 ACRES

RECEIVED



STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

NORTHERN REGION

A. Kenneth Dunn
Director

Suite No. 9
4055 Government Way
Coeur d'Alene, Idaho 83814
(208) 765-4639

September 25, 1984

Mr. Jeffrey P. Baker
c/o St. Maries Wild Rice
Box 293
St. Maries, Id. 83861

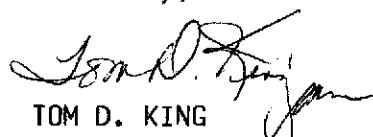
Dear Mr. Baker:

Rice is an unusual crop in the State of Idaho, so unusual methods must be used in determining the rate of diversion necessary for the irrigation of this crop.

I have enclosed a "Fact Sheet" which must be completed and returned to this office by October 25, 1984. Without the information on this sheet, the rate of diversion will be reduced to 0.80 cfs prior to approval.

If you have any questions, please contact me.

Sincerely,


TOM D. KING
Senior Water Resource Agent

TDK/pms
Enc. - Fact Sheet

See Attached

RECEIVED
OCT 3 1984

Department of Water Resources
Northern District Office



RECEIVED

OCT 3 1984

Department of Water Resources
Northern District Office

Ident. No. 92-7175

FACT SHEET
for
Excessive Irrigation Flows

This information is to be submitted with any application for permit for which the irrigation rate of flow requested is more than 0.02 cfs per acre. One exception is the 0.03 cfs per acre is allowed for up to five (5) acres.

Soil Type and Soil Profile: Silt-loam with porous clay underlayment, some Plywell muck.

Soil Water Holding Capacity: .15-.21 inches per inch

Soil Intake Family (if known): Intake rate is .6" to 2" per hour

Field Slope: Essentially level but sloped slightly to inlet/outlet structure.

Anticipated Crops: Wild rice.

Method of Irrigation: Continuously flooded during growing season.

Remarks: Wild rice crop will be fall seeded. Surface water will be retained with

earliest spring runoff. Water level will be increased to the desired 18" to 24"

at time of heavy spring runoff. Water will be pumped from St Maries River as

needed to maintain above level during growing season. The 1.0 cfs is the minimum
anticipated periodic flow needed to maintain desired level.

NOTE: Please contact Al W. Bruner (consultant for the project) 689-3259 for any additional technical information which may be needed.

10/17/84



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

NORTHERN REGION

A. Kenneth Dunn
Director

Suite No. 9
4055 Government Way
Coeur d'Alene, Idaho 83814
(208) 667-6484

September 25, 1984

Mr. Jeffrey P. Baker
c/o St. Maries Wild Rice
Box 293
St. Maries, Id. 83861

Dear Mr. Baker:

Rice is an unusual crop in the State of Idaho, so unusual methods must be used in determining the rate of diversion necessary for the irrigation of this crop.

I have enclosed a "Fact Sheet" which must be completed and returned to this office by October 25, 1984. Without the information on this sheet, the rate of diversion will be reduced to 0.80 cfs prior to approval.

If you have any questions, please contact me.

Sincerely,

TOM D. KING
Senior Water Resource Agent

TDK/pms
Enc. - Fact Sheet

RECEIVED
SEP 27 1984