

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE
WATER RIGHT NO. 94-07263

Priority: June 23, 1983

Maximum Diversion Rate: 3.94 CFS
Maximum Diversion Volume: 2785.6 AF

This is to certify, that LOIS G DOTSON
202 MAGONILA ST
NEW LLANO LA 71461

has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated June 23, 1983; and
has submitted Proof of Beneficial Use on January 14, 1987. An examination indicates
that the works have a diversion capacity of 3.940 cfs of water from:

LITTLE BALDY CREEK tributary to LATOUR CREEK

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	0.05 CFS	9.0 AF
MINING	01/01 to 12/31	0.06 CFS	3.2 AF
POWER	01/01 to 12/31	3.83 CFS	2772.8 AF
DOMESTIC	01/01 to 12/31	0.04 CFS	0.6 AF
	Totals	3.94 CFS	2785.6 AF

LOCATION OF POINT(S) OF DIVERSION:
Injection

ADAMS County
SENW , Sec. 17, Township 48N, Range 01E
SENW , Sec. 17, Township 48N, Range 01E
KOOTENAI County

PLACE OF USE: IRRIGATION

<u>TWN RGE SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
48N 01E 17	SWNE 3			3
Total number of acres irrigated:				3

PLACE OF USE: MINING

TWN RGE SEC

48N 01E 17 SENW

PLACE OF USE: POWER

TWN RGE SEC

48N 01E 17 SENW

RECORDED

JUL 07 1993

State of Idaho
Department of Water Resources**WATER RIGHT LICENSE**

WATER RIGHT NO. 94-07263

PLACE OF USE: DOMESTIC
TWN RGE SEC

48N 01E 17

SWNE

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 limited to the amount that can actually be beneficially use 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. Return flow if discharged to a surface water system shall meet Idaho Water Quality Standards.
6. The water right confirmed in this license 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 license 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 license.
7. This right when combined with all other rights shall provide no more than .03 cfs per acre nor more than 3.0 afa per acre for the lands above.

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 28TH day of JANUARY, 1993.


Acting for R. Keith Higginson, Director

JUL 07 1993

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 Lois B. DOTSON Phone 753-0971
Post office address Box 811 WALLACE Id 83873
2. Source of water supply LITTLE BAYD CREEK which is a tributary of LATOUR CREEK
3. Location of point of diversion is N 1/2 ^{SE NW 1/4} of ~~SE NW 1/4~~ of Section 17 Township 48N
Range 1E B.M. BOISE KDOTENAI County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 1.00 ^{1.00} for IRR. purposes from 3/15 to 11/15 (both dates inclusive)
(cfs or acre-feet per annum)
Amount 4.00 for GEN. ELECTRIC purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount 4.00 for MINING purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount 0.40 for DOMESTIC purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

a. 4.00 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. 6" pipe TO BEC RETURNS
TO SOURCE 1" IN pipe FOR DOMESTIC - USE
2" pipe FOR MINING
b. Height of storage dam 4 FT feet, active reservoir capacity 10 FT ^{10 FT} ~~10 FT~~ acre-feet; total reservoir
capacity 100 cubic ft acre-feet, materials used in storage dam: CREEK ROCK
Period of year when water will be diverted to storage _____ to _____ inclusive.
(Month/Day) (Month/Day)
c. Proposed well diameter is 4 IN inches; proposed depth of well is 100 feet.

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

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: N 1/2 SW 1/4 of NE ^{1/4} of Section 17 Township 48
N 1/2 SE NW 17 48
Range 1E B.M. 10 KW
(2) Amount of power to be generated: 1600 UNITS ^{10 KW} ~~horsepower~~ under 60 feet of head.
PER MONTH
(3) List number of each kind of livestock to be watered HORSES + COWS + PIGS

(4) Name of municipality to be served _____, or number of families to be
supplied with domestic water 1.

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

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

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
48N	1E	17	NE		20		10			20									50
~~48N~~	~~1E~~	~~17~~			~~20~~														

Total number of acres to be irrigated _____

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

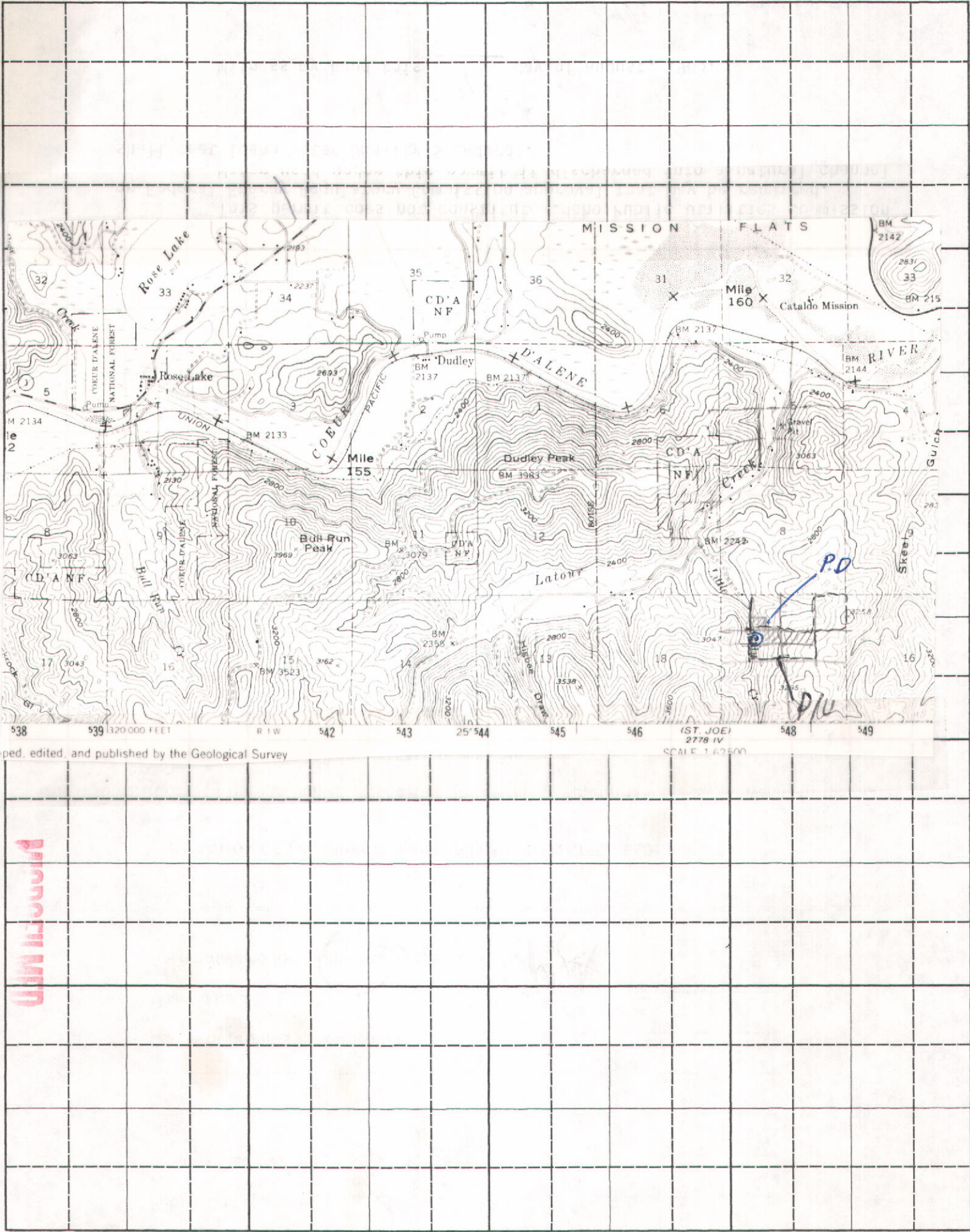
9. a. Who owns the property at the point of diversion EVANS + LOIS G DOTSON

b. Who owns the land to be irrigated or place of use EVANS + LOIS G DOTSON

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 _____

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.

Lois S. Dater
(Applicant)

Proposed Project

Proposed Priority 6/23/1983

Received by LE Date 6/23/83 Time 3:00 p.m.

Preliminary check by LB Fee \$ \$105.00

Receipted by LE Date 6/23/83 # 28233

Publication prepared by LE Date 7/1/83

Published in Coeur d'Alene Press

Publication dates 7/14 - 7/21/83

Publication approved f Date 8/4/83

Protests filed by: none

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by [Signature]

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. 94-7263, 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 September 1, 19 88.

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

d. Other: Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.

The permit holder shall either install a measuring device or an access port or provide a certified measurement or computation of flow based upon system design to be prepared by a professional engineer.

This permit is subject to the provisions of Sections 42-205 through 42-210, Idaho Code, restricting the sale, transfer, assignment, or mortgage of this permit. Failure to comply with these provisions is cause for immediate cancellation of this permit.

Use of water under this permit for the purpose of power generation is subordinated to future diversion of water either upstream or downstream for irrigation or other consumptive beneficial uses.

This permit does not constitute Idaho Public Utilities Commission or Federal Energy Regulatory Commission approval that may be required.

Water used under this permit if discharged into a natural channel shall meet Idaho Water Quality Standards.

Witness my hand this 7th day of September, 1983.

[Signature]
Chief, Operations Bureau

DRT

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
AFFIDAVIT FOR WATER RIGHTS TO BE USED
FOR POWER PURPOSES

A. Establishment of Residency: (Complete either 1, or 2).

1. Individual Applicant or Individual Members of a Partnership:

I, Lois G. Dotson of Wallace,
(name) (city)

county of Shoshone, State of Idaho, being duly sworn, do
hereby certify that I am a bona fide resident of the State of Idaho.

2. Corporation:

I, _____ of _____,
(name) (city)

County of _____, State of Idaho, being duly sworn, depose
and say: That I am the designated registered agent of the _____
_____ : that as such I am in charge of the registered
(name of corporation)

office of the said corporation as required by Section 30-1-12, Idaho Code, at
_____ Idaho, wherein are kept the corporate records required
(city)

by Section 30-1-52, Idaho Code; and that _____
(name of corporation)

is a corporation qualified to do business in the State of Idaho under the laws of
the State of Idaho.

B. Ownership of Facilities: (To be completed for hydropower projects only)

The hydropower facility to be developed pursuant to the attached Application for
Permit:

(check one)

- ☐ Will not utilize existing man-made irrigation facilities such as a dam or a canal.
- ☐ Will utilize existing man-made irrigation facilities such as a dam or a canal, and permission of the owner is documented in an affidavit attached hereto.
- ☒ Will utilize existing man-made irrigation facilities such as a dam or a canal and the owner of the facilities is the signee of this affidavit.

State of Idaho)
County of Kootenai) ss.

Lois G. Dotson
Applicant

On this 8th day of August, 19 83, personally
appeared before me the signer(~~XX~~) of the above instrument, who duly acknowledged
to me that he (she) (they) executed the same.

[Signature]
Notary Public residing at
Rathdrum, Id.

seal

My commission expires:

Life

LICENSE REVIEW CHECKLIST

Permit # 94-07263

Date 12-21-92 38

	<u>Yes</u>	<u>No</u>	
NAME	☐	☒	Address Change?
PRIORITY DATE	☐	☒	Advance? _____
	☐	☒	Memo to Advance
	☐	☒	Order to Reinstate Needed?

TOTAL CFS	☐	☒	Incorrect Fee for rate recommended?
	☐	☒	Disagree with Actual Measurement? <u>3.83cfs (POWER)</u>
	☐	☒	<u>.04cfs (DOM) .05cfs (IRR) .06cfs (Mining)</u>
	☐	☒	Disagree with Theoretical? _____
	☒	☐	Limited by Capacity? <u>3.94cfs</u>

TOTAL VOLUME		Rate/ac <u>3.0</u>	AFA	Irr. Season <u>D</u>
		<u>3-15 to 11-15</u>		Standard Irr. Season
		<u>Same Per Permit</u>		Season Recommended
	☒	☐	Disagree with Examiner's Calculations?	
	☒	☐	<u>3 x 3.0 = 9.0 afa (IRR) .6 afa (DOM) 3.2 afa (Mining)</u>	
	☒	☐	Limited by Flow? <u>Power Vol = 3.83 x 36.5 x 1.9835 = 2792.8 afa (POWER)</u>	
SOURCE		Mining Volume = $.06cfs = 26.9gpm \times 240min \times 160days / 325,850 = 3.17afa$		
	☐	☒	Changes? Clarification of <u>Originally</u>	
	☐	☒	<u>Intended</u> source	
	☐	☒	Notice of Intent to Void.	

P/D		Verify with Map Point of Injection <u>SENW, S17</u>
	☐	☒ Amendment Needed?
	☐	☒ Is Overlap Analysis a Consideration?

P/U		Verify with Map
	☐	☒ Amendment Needed?
	☐	☒ Is Overlap Analysis a Consideration?

USES	☐	☒ Change(s) in Nature of Use?
	☐	☒ Amendment Needed?

REMARKS	☐	☒ Multiple P/Ds in 1/4 1/4?
	☒	☐ Non-Irr. Uses <u>DOM / Home</u>
	☐	☒ Special Overlap Condition
	☐	☒ Other _____

CONDITIONS	<u>R23</u>	Power Subordination		
	☐	☒ Measuring Device	DATES/MISC	
	☐	☒ W/Master Control	☐	☒ Water Dist.
	<u>R49</u>	Overlap	☒	☐ App Rec'd
	<u>R08</u>	Water Quality	☒	☐ Exam Made

COMMENTS/MEMOS NEEDED: Reduced Acres, rate

License ☐ 10-Day ☒ 15-Day ☐ Special Correspondence _____

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	LOIS G DOTSON E 31450 LATOUR CREEK RD CATALDO ID 83810	06/23/1983	IRRIGATION	03-15 11-15	0.05 CFS	9.0 AFA
			MINING	01-01 12-31	0.06 CFS	3.2 AFA
			POWER	01-01 12-31	3.83 CFS	2772.8 AFA
			DOMESTIC	01-01 12-31	0.04 CFS	0.6 AFA
TOTAL DIVERSION:					3.94 CFS	2785.6 AFA

Water Source: LITTLE BALDY CREEK Tributary to: LATOUR CREEK Stage: LICENSE

Point(s) of Diversion Capacity: 3.94 CFS

Point(s) of Diversion: T48N R01E S17 SE NW
Point(s) of Injection: T48N R01E S17 SE NW

Place of use Legal Description for: IRRIGATION

NE		NW		SW		SE	
NENE	NUNE	SWNE	SENE	NENW	NUNW	SWNW	SESW
T	R	S	:	Lt	Ac	Lt	Ac
---	---	---	---	---	---	---	---
48N	01E	17	:	03	:	:	:
				TOTAL ACRES			
				3.0			
				3.0			

Place of use Legal Description for: MINING

NE		NW		SW		SE	
NENE	NUNE	SWNE	SENE	NENW	NUNW	SWNW	SESW
T	R	S	:	Lt	Ac	Lt	Ac
---	---	---	---	---	---	---	---
48N	01E	17	:	M	:	:	:

Place of use Legal Description for: POWER

NE		NW		SW		SE	
NENE	NUNE	SWNE	SENE	NENW	NUNW	SWNW	SESW
T	R	S	:	Lt	Ac	Lt	Ac
---	---	---	---	---	---	---	---
48N	01E	17	:	P	:	:	:

Place of use Legal Description for: DOMESTIC

NE		NW		SW		SE	
NENE	NUNE	SWNE	SENE	NENW	NUNW	SWNW	SESW
T	R	S	:	Lt	Ac	Lt	Ac
---	---	---	---	---	---	---	---
48N	01E	17	:	D	:	:	:

Pou County: KOOTENAI

Non-Irrigation Uses: ~~MINING, BY-1 HOME, P-10-KW UNDER 60 FT. OF HEAD.~~

Other Water Rights with Same Point(s) of Diversion and Source:
94-07263

Other Water Rights Listing Overlapping Place(s) of use:
94-07263

Conditions of Approval:

- R08 - Return flow if discharged to a surface water system shall meet Idaho Water Quality Standards.
- R23 - The water right confirmed in this license 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 license 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 license.
- R49 - This right when combined with all other rights shall provide no more than .03 cfs per acre nor more than 3.0 afa per acre for the lands above.

Dates: App. Received: 06/23/1983 Priority Date: 06/23/1983
Proof Due Date: 09/01/1988 Proof Made Date: 01/14/1987
Exam Made Date: 05/01/1989 Exam Sent to S.O.: 06/27/1990
Licensed Date:

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

Audit: 12/21/92 SKAGGS

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 94-07263

1. Owner: LOUIS E. DOTSON Phone No. _____

Current Address: E. 31450 LATOUR CR. RA CATALDO, ID, 83810

2. Accompanied by: EVANS DOTSON EXAM. DATE: 5/1/89

Address: SAME Phone No. _____

Relationship to Permit Holder: SPOUSE

3. Source: LITTLE BALDY CR. tributary to LATOUR CR.

B. OVERLAP REVIEW

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

☐ Copies Attached

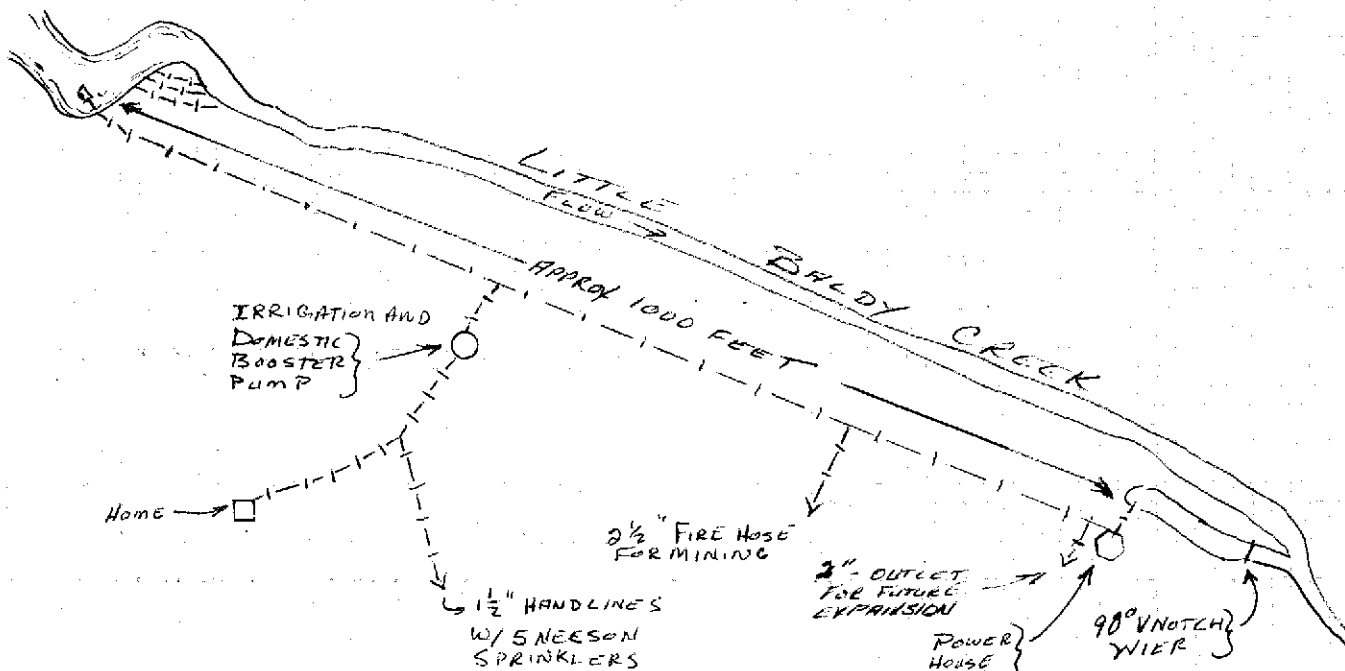
2. Other water rights with same point of diversion: NONE

☐ 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



Scale: 1" = NTS

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

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

- ☐ Aerial Photo Attached
(required for irrigation of 10 acres or more).
NONE AVAILABLE

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System Description (continued)

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

Diversion Dam with 12" White PVC which is Reduced to 10" from white
 @ Leads; (1), a cistern with a submersible pump with a 2"
 line to; (2) 3/4" line to home, (b) 1 1/2" line to FIVE SPRINKLERS with 3/2 @ 35 PSI,
 (2) 2 1/2" outlet & firehose for mining* and (3) 8" line to powerhouse,
 RUIER

*Mining is currently placer & lode, as mine is developed
 cooling of mining equipment with ~~superheated~~ ^{superheated} ~~placer~~ ^{placer} mining

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Domestic & Irrigation Booster	Red Jacket	1.5	submersible		
Generator	Lima	12 KW	BC34240 FK	KVA: 2	1800 RPM
	Rise 105	PFL	120/240-VOLT	50 AMP	

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

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SE	NW	17	48N	1E	KOOTENAI	MAP

6. Place(s) of Use:

Indicate Method of Determination MAP

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
48N	1E	17			3														
					MO														
					PLACER														

Do not use this space

NOT FILMED
 JUL 07 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
V-NOTCH WEIR	90°					

2. Measurements: POWER

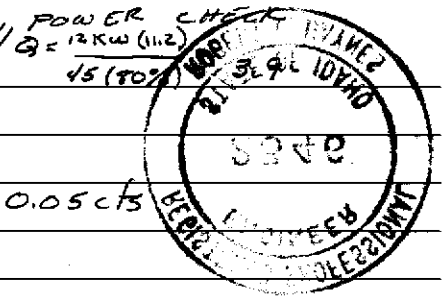
14 1/2" = 3.93 cfs per UofI Bulletin #552

POWER Check $Q = \frac{(0.463)}{(0.009)} \left(\frac{8}{12} \right)^{2.667} \sqrt{\frac{60}{1000}} = 4.19$

IRRIGATION

5/32 ORIFICE @ 36 PSI = $\frac{(5)(4.16)}{448.9} = 0.046 \text{ cfs} \therefore 0.05 \text{ cfs}$

check $Q = \frac{(8.8)(1.6)(80\%)}{(2.3)(35) + 140} = 0.048 \therefore 0.05 \text{ cfs}$



E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method: MINING

$Q = \frac{(0.463)}{(0.009)} \left(\frac{8}{12} \right)^{2.667} \sqrt{\frac{60}{1000}} = .058 = .06 \text{ cfs}$

2. Alternate Method for Checking Purposes:

DOMESTIC

1 Home 0.04 (MAX CAPACITY IRR & DOM 0.05 cfs)

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:

$V_{I.R.} = \frac{5}{.06} \times \frac{30}{245} \times \frac{15.0}{1.9835} = 15.0$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times \text{Days in Irrigation Season} \times 1.9835 = 29.2$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 15$

2. Volume Calculations for Other Uses:

$3.83 (365) (1.9835) = 2770 \text{ AF POWER}$

0.6 AF DOMESTIC

APPROX 4 HRS/DAY, 5 DAYS/WK, 32 WK/ANN

$(.06 \text{ cfs}) \left(\frac{1}{24} \right) (32) (1.9835) \left(\frac{5}{7} \right) = 0.6 \text{ AFA MINING}$

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REMARKS AND OVERLAP REVIEW ANALYSIS

NO OVERLAPS FOUND

THE WATER RETURNED TO STREAM IN WITHIN SEHW SEC 17, T4N R1E

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use From	To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
IRR.	9-15	11-15	0.05	15.0
POWER	1-1	12-31	3.83	2770.8
MINING	1-1	12-31	0.06	0.6
DOMESTIC	1-1	12-31	.04	.6
Totals:			3.94.94	2786.2

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 Tom King

Signature Tom King

Certification Date 2/17/89

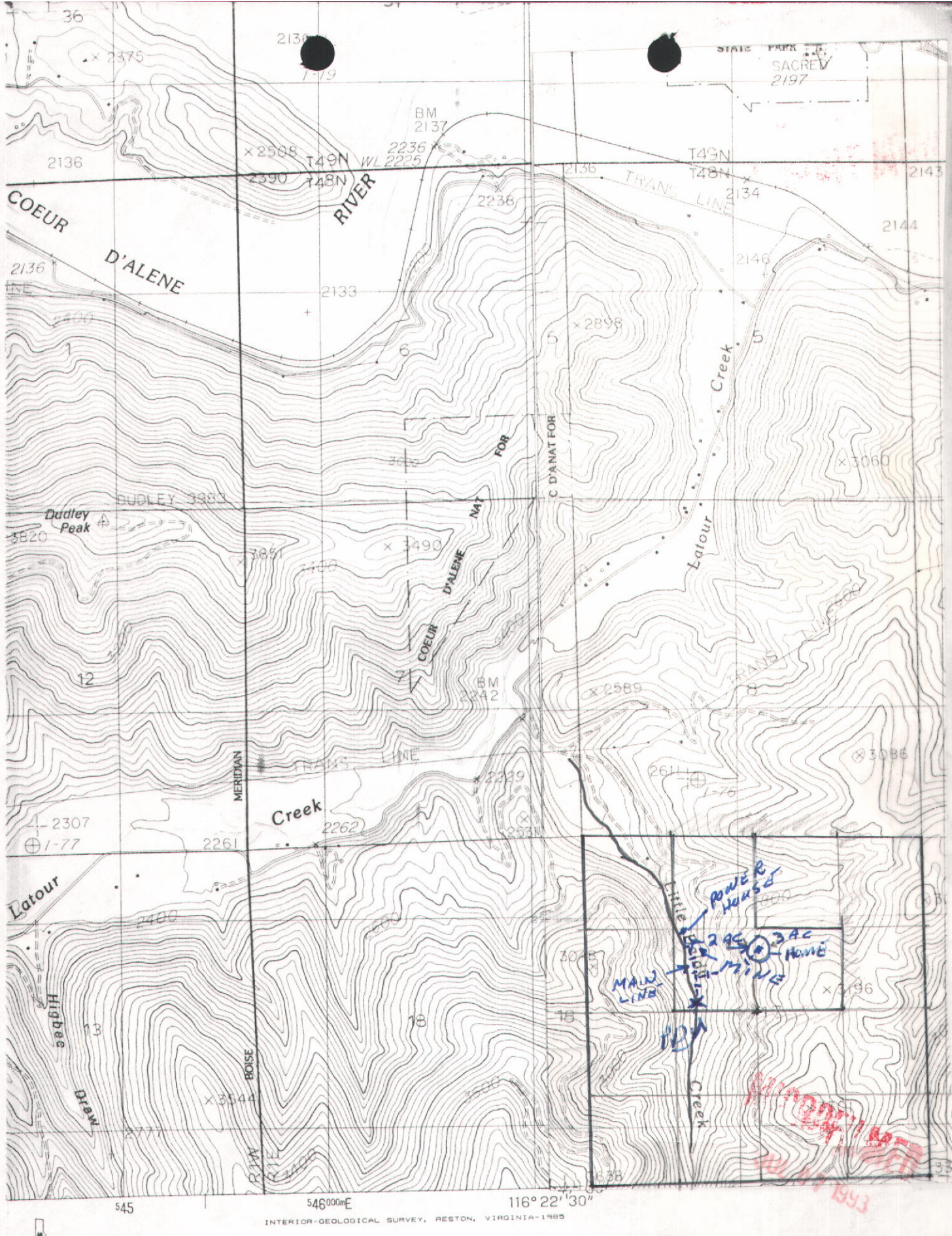
Field Report Preparation Date 5/22/89



CONSULTANT SEAL

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

RECORDED
JUL 07 1993



TWP. 48N N., RGE. 1E SEC. 17 MAP # F59 PERMIT # 94-7263

DATE OF EXAM 5/1/89



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

NORTHERN REGION

REMARKS / PHOTOS

PERMIT # 94-7263

DATE

INITIALS

3/6/87 apt ltr

R

LOOKING DOWN STREAM



DIVERSION
WHITE 12" PVC

DIVERSION POOL ~ THREE 12" CMP BURIED AT
END OF DIKE FOR OVER FLOW & EROSION CONTROL

LOOKING
UPSTREAM



JUL 07 1993



STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

NORTHERN REGION

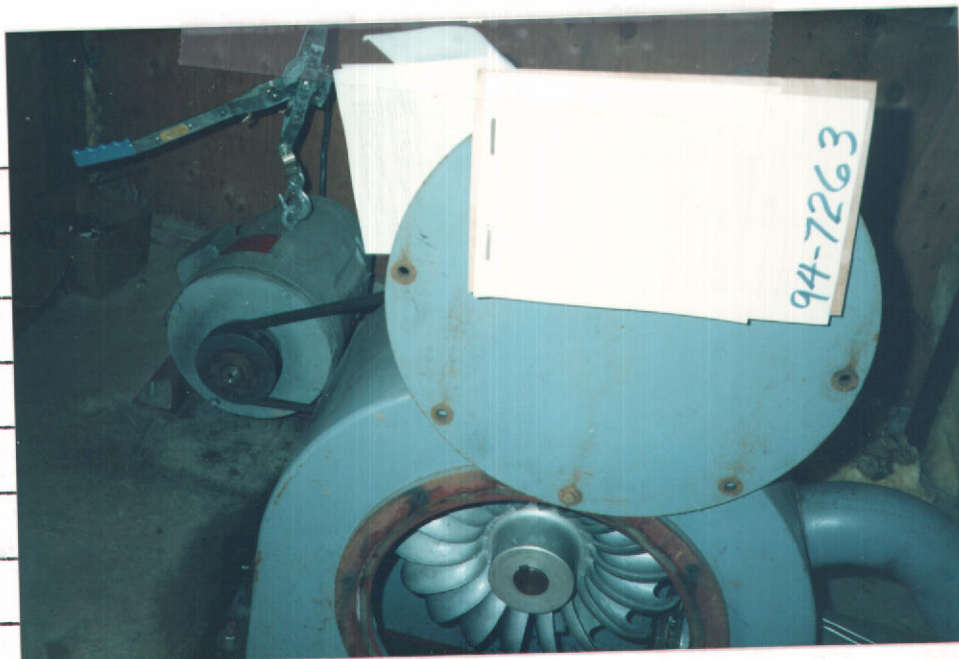
REMARKS / PHOTOS

PERMIT # 94-7263

DATE

3/6/87

INITIALS



PELTON WHEEL & GENERATOR



DOMESTIC JUNCTION

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STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

Northern Region Office

1910 Northwest Blvd. * Suite 210 * Coeur d'Alene, Id. * 83814 * (208) 765-4639

Cecil D. Andrus
Governor

R. Keith Higginson
Director

May 22, 1989

Mr. and Mrs. Evans and Lois Dotson
E. 31450 Latour Creek Rd.
Cataldo, Id 83810

Re: Examination Permit # 94-07263

Dear Mr. and Mrs. Dotson:

Below are my measurements and calculations of your water system, which will represent my recommendations for licensing.

POWER CALCULATIONS

Measurement of flow over 90 deg. V-Notch Weir is 14 1/4" 1.19 ft. $Q=2.49H^{2.48}$
Therefore $2.49(1.19)^{2.48} = 3.83\text{cfs}$

for a check:

$Q=(kw)(11.2)/(\text{psi})(\text{efficiency}) \dots Q=(12)(11.2)/(45)(80\%)=3.9 \text{ cfs}$

IRRIGATION CALCULATIONS

Pump Efficiency:

$Q = \frac{(8.8)(1.5\text{HP})80\% \text{ eff.}}{(2.3)(35 \text{ psi})+140} = 0.048 \text{ cfs or } 0.05 \text{ cfs.}$
(as pressure goes up quantity of flow goes down)

Five Nelson sprinklers with 5/32" nozzles at 35 psi = .046 cfs or 0.05 cfs

MINING CALCULATIONS

Mannings formula: $Q = \frac{2.667}{(0.463/\text{pipe resistance})(\text{diameter of pipe})^{.5}} (\text{head/length of pipe})^{.5}$

$Q = \frac{2.667}{(0.463/.009)(8/12)^{.5}} (60/800)^{.5} = .058 \text{ cfs or } 0.06 \text{ cfs}$

Domestic is assumed at 0.04 cfs.

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

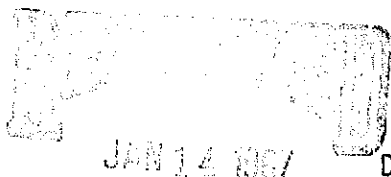
Sincerely,

Tom D. King

MAILED

JUL 07 1993

4/86



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EXAMINATION FEE INFORMATION

Department of Water Resources

For Office Use Only
Fee Received 975.00
Date 1/7/86
Receipt # 38184
Receipt by [Signature]
Sent to S.O. 1/9/87

1. Permit No. 94-7263

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: Lois DOTSON

3. Post Office Address: Box 811 WALLACE IDAHO

Telephone No. _____

4. Source of Water: BALDY CREEK

5. Extent of Use:

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

Irrigation ☒ (acres) Other/Remark HIDARD POWER

6. Total rate &/or volume for which proof is submitted 400 cfs _____ acre-feet

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

7-21-85

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

LOIS DOTSON

(Name)

Box 811 WALLACE IDAHO

(Address)

(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.)

1-7-87
Date

Lois G. Dotson
Signature of Permit Holder (and title, if approved) 1993

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
COMMENCEMENT OF WORKS

Permit No. 94-7263

Name(s) of Permit Holder(s): Louise Dotson

Post Office Address: Box 811

Wallace, Id. 83873

Tel. No. -----

☒ I hereby certify that construction of diversion works for the above referenced permit began on September of 1983. I understand that I must
(date)

continue to develop the water system with due diligence to maintain a valid permit.

☐ I hereby certify that construction of diverting works on the above referenced project has not yet begun due to the following reason beyond my control*:
JUL 07 1993

*Note: A financing difficulty is not an acceptable reason.

2/22/85

Date

Louise Dotson

Signature of Permit Holder

POWER CALCULATIONS FOR APPLICATION NO. 94-7263

P = Kilowatts .74 X hp

Q = cfs

H = feet

e = efficiency

proposed

10 KW

4.0 cfs

60 ft

?

$$e = \frac{P(11.8)}{QH} = \frac{10(11.8)}{4 \times 60} = \frac{118}{240} = .49$$

Based on the above calculations the proposed project must have an 49 % efficiency.

OVERLAP REVIEW

P/D SE 1/4 NW 1/4 Sec 17 T48N R1E None

P/U SW 1/4 NE 1/4 Sec 17 None

SE 1/4 NW 1/4 Sec 17 None

BYPASSED AREA None

State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

INITIAL REVIEW BY: AB

APPLICATION NUMBER: 94-7263

CHECK:

- ☒ Source.
☒ Point of diversion.
☒ County.
☒ Quantity of water and period of use.
☒ Description of diverting works.
☒ Time required for beneficial use of water.
☒ Place of use or acres irrigated.
☒ Map.
☒ Signature.
☒ Fee.
☐ Yes ☒ No Field check required.
☐ Yes ☒ No Critical groundwater area.
☐ Yes ☒ No Request dam safety information. Sent by: _____ Date: _____
☒ Yes ☐ No* In form to receipt.

Field check by: _____

Date: _____

Comments: _____

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT:

Return Request Affidavit of Residence - 8/4/83 - ZR

✓ 7/25/2006

SEND COPIES TO:

- ☐ Idaho State Health Department.
☐ Idaho Fish and Game Department.
☐ Idaho Department of Lands.
☐ U.S. Bureau of Land Management.
☐ U.S. Forest Service.
☐ Other _____

Copies sent by: _____ Date: _____

PROCESSING:

- ☐ Yes ☐ No Platted by: _____ Map No. _____
☐ Yes ☐ No Other rights on same place of use. _____
☒ Yes ☐ No* In form for advertising.
Final date for protests: 8/1/83 ✓
☐ Yes ☒ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: 7/22/83 ✓
☒ Application published correctly. If not, record action taken: _____
☒ Fee amount, receipt date & number, recorded on application.
☒ Publication dates and paper, recorded on application.
☒ Protests, dates, withdrawal, etc., recorded on application.
☒ Recommendation & initial, recorded on application.
☐ Yes ☒ No Measuring device required.
☒ Yes ☒ No Access port required.
☐ Yes ☒ No Will water be delivered by watermaster? If yes, what district? _____
8/13/83 Date of priority recommended.
Special conditions of approval or cover letter. _____

By: RVA

Date: 8/17/83

STATE OFFICE REVIEW:

SL/L17, L21

26 25 OIF OBA 17D

- ☐ See attached sheet for more information.

By: Keep

Date: 8/26/83

RECEIVED
AUG 28 1983
Department of Water Resources