

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 91-07138

Priority: August 11, 1997

Maximum Diversion Rate:

0.02 CFS

Maximum Diversion Volume:

2.5 AF

This is to certify, that EDWARD PHILLIP ABELL
RT 3 BOX 37X

ST MARIES ID 83861 has complied with the terms and conditions
of the permit, issued pursuant to Application for Permit dated August 11, 1997; and
has submitted Proof of Beneficial Use on November 3, 1998. An examination indicates
that the works have a diversion capacity of 0.020 cfs of water from:

UNNAMED STREAM

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	04/01 to 10/31	0.02 CFS	1.5 AF
IRRIGATION STORAGE	01/01 to 12/31		1.0 AF
IRRIGATION FROM STORAGE	04/01 to 10/31		1.0 AF
WILDLIFE STORAGE	01/01 to 12/31		1.0 AF
RECREATION STORAGE	01/01 to 12/31		1.0 AF
FIRE PROTECTION STORAGE	01/01 to 12/31		1.0 AF
	Totals	0.02 CFS	2.5 AF

LOCATION OF POINT(S) OF DIVERSION:

NWNW, Sec. 11, Township 46N, 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>
46N	02W	11	NWNW	0.5		0.5

Total number of acres irrigated: 0.5

PLACE OF USE:

IRRIGATION FROM STORAGE, same as IRRIGATION use

CONDITIONS OF APPROVAL AND REMARKS

1. This right when combined with all other rights shall provide no more than 0.02 cfs nor more than 1.5 afa at the field headgate for irrigation of the land described above.
2. Water shall not be diverted from storage for fire protection use under this right except to fight or repel an existing fire.
3. Recreation storage is for fishing and swimming.

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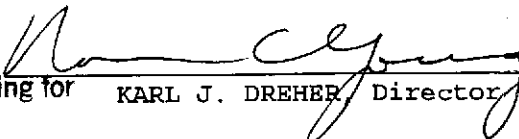
State of Idaho
Department of Water Resources

Water Right License

WATER RIGHT NO. 91-07138

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be administered in accordance with Idaho law and applicable rules of the Department of Water Resources. Signed and sealed this 28TH day of

JANUARY, 2000.


Acting for KARL J. DREHER, Director



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FEB 03 2000

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES**

RECEIVED

NOV 04 1998

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. NO. 91-07138 Telephone No. 208-686-1468 (Murray)
2. Name(s) of Permit Holder(s): Edward Phillips Abell
3. Mailing Address: Rt. 3 Box 37 x Hello Butte Rd. Saint Maries, ID 83861
4. Source of Water: unamed stream If **GROUNDWATER** (well), Date Drilled: mo. ____ / yr. ____
- a. Well Driller: ____ Drilling Permit Number: ____ - ____ - ____
- b. **OPTIONAL:**
Pump Horsepower: ____ Pressure (psi): ____ Dynamic pumping level (ft): ____
5. Use(s) (as authorized by the water right permit):
Domestic (No. of households): ____ Stockwater (No. and type of stock): wildlife storage
Irrigation (No. of acres): 5 ac. Other: fire protective storage operation
6. Total rate of diversion and/or volume for which proof is submitted: 0.10 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: \$ 50 (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: Edward P. Abell Telephone Number: Murray 686-1468
Address: Rt. 3 Box 37 x Saint Maries ID 83861

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: Edward P. Abell Date: 10/21/98
(include your title, if on behalf of company or organization)

NOV 27 1998

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 91-07138

Proposed Priority: August 11, 1997 Maximum Diversion Rate: 0.10 CFS

This is to certify, that **EDWARD PHILLIP ABELL**
PO BOX 102

ST MARIES ID 83861-0102

has applied for a permit to appropriate water from:
UNNAMED STREAM tributary of **ST JOE RIVER**

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

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	0.10 CFS	
IRRIGATION STORAGE	01/01 to 12/31		7.0 AF
IRRIGATION FROM STORAGE	03/15 to 11/15		7.0 AF
WILDLIFE STORAGE	01/01 to 12/31		7.0 AF
RECREATION STORAGE	01/01 to 12/31		7.0 AF
FIRE PROTECTION STORAGE	01/01 to 12/31		7.0 AF
Totals		0.10 CFS	

LOCATION OF POINT(S) OF DIVERSION:

NWNW , Sec. 11, Township 46N, 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>
46N	02W	11	NWNW	5.0		5.0

Total number of acres irrigated: 5.0

PLACE OF USE: IRRIGATION FROM STORAGE, same as IRRIGATION use

CONDITIONS OF APPROVAL AND REMARKS

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before December 1, 1998.
2. Subject to all prior water rights.
3. This right when combined with all other rights shall provide no more than 0.03 cfs per acre nor more than 3.0 afa per acre at the field headgate for irrigation of the lands above.
4. Water shall not be diverted for fire protection use under this right except to fight or repel an existing fire.
5. Recreation storage is for fishing and swimming.

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

17 day of November, 1997.

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Karl J. Dreher, Director

APR 09 1998

Ident. No. 91-7138

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

RECEIVED

NOV 01 1997

To appropriate the public waters of the State of Idaho

DEPARTMENT OF WATER RESOURCES

1. Name of Applicant EDWARD PHILLIP ABELL Phone 686-1468
Mailing address P.O. Box 102 ST MARIES ID 83861
2. Source of water supply UNNAMED STREAM which is a tributary of ST. JOE RIVER
3. Location of point of diversion is Township 46 N Range 2 W Sec. 11 in the BLU 1/4, NW 1/4, Govt Lot B.M., BENEFICIAL County;
additional points of diversion if any: N/A

4. Water will be used for the following purposes:

- (47) Amount 7.0 for STORAGE FOR REC. purposes from 7/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
- (1) Amount 7.0 for STORAGE FOR IRRIGATION purposes from 7/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
- (3) Amount 7.0 for STORAGE FOR IRR. purposes from 7/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
- (50) Amount 7.0 for STORAGE FOR FIRE PROT. purposes from 7/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
- (6) Amount 0.10 for IRR. purposes from 3/5 to 4/5 (both dates inclusive)
(cfs or acre-feet per annum)
- Amount for purposes from to (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated is (a) 0.10 and/or (b) 7.0 A.F.
cubic feet per second acre feet per annum

6. Proposed diverting works:

- a. Describe type and size of devices used to divert water from the source Embarkment Dam to
Store water POND IS 1 ACRE X 12' DEEP.
- b. Height of storage dam 12 feet; active reservoir capacity 7.0 acre-feet; total
reservoir capacity 8 acre-feet - ON-STREAM POND
- c. Proposed well diameter is N/A inches; proposed depth of well is N/A feet
- d. Is ground water with a temperature of greater than 85°F being sought? N/A
- e. If well is already drilled, when? N/A; Drilling firm N/A
Well was drilled for (well owner) N/A; Drilling Permit No. N/A

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

8. Description of proposed uses (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. Recreation Storage for fishing & swimming

- Small Dam PERMIT HAS BEEN FILED.

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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	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
46N	2W	11						5											5
								*											

* STORAGE FOR REG., FIRE, WILDLIFE T IRR
IRR FROM STORAGE

Total number of acres to be irrigated 5 ac

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

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

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

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

12. Remarks: _____

13. MAP OF PROPOSED PROJECT REQUIRED - Attach an 8 1/2"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

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

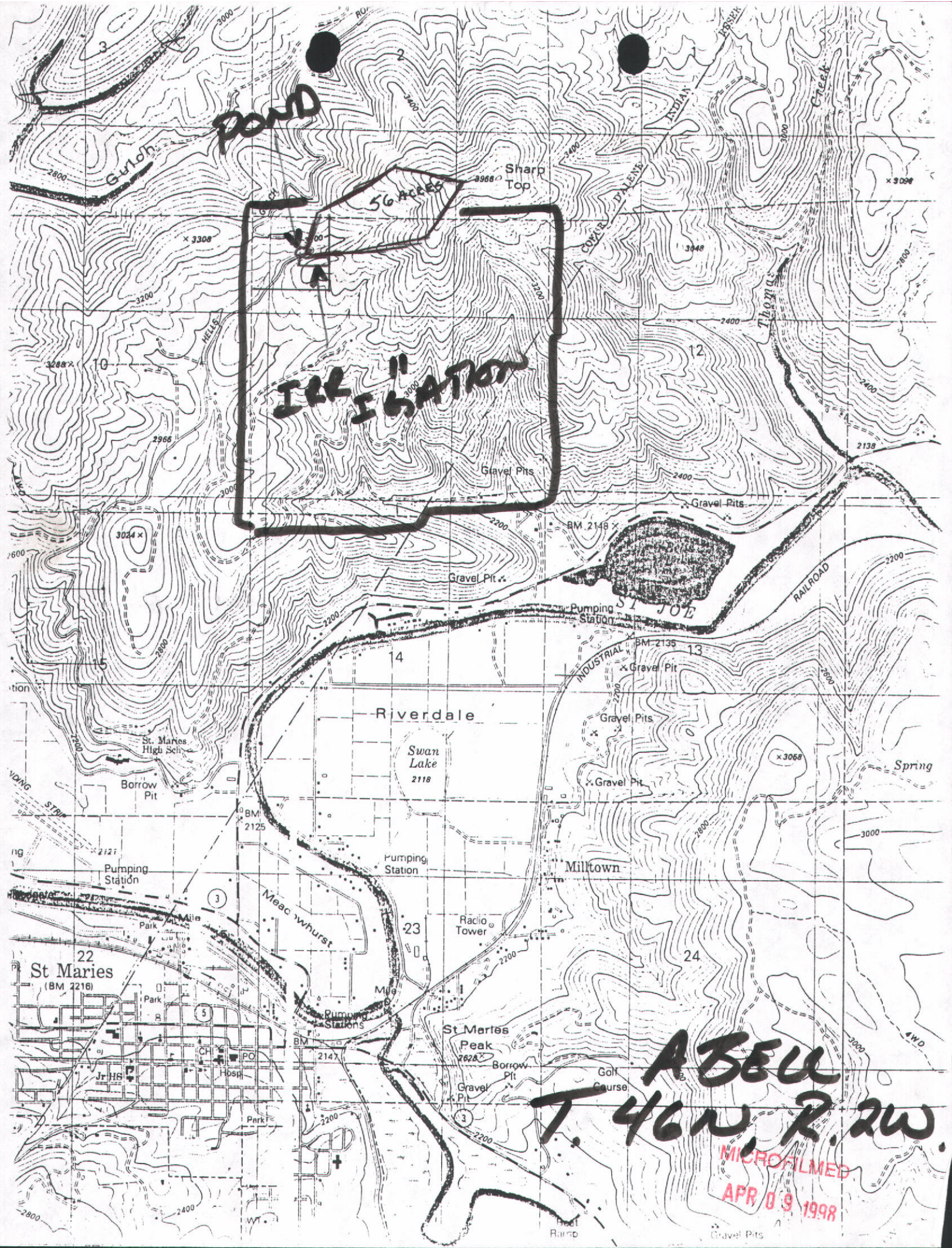
Edward Abell

Signature of Applicant (and title, if applicable)

Received by CD Date 8/11/97 Time 2:00P Preliminary check by AS
 Fee \$ 50.00 Received by CD # N011527 Date 8/11/97
 Publication prepared by CD Date 9/24/97 Published in St. Marias Bay 10/11/97
 Publication approved CD Date 10/19/97

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APR 98 10:58



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APR 09 1998

T 46, R 2W, N 1/2 SE 1/4 NW 1/4 NW 1/4

133L H

N

S

102

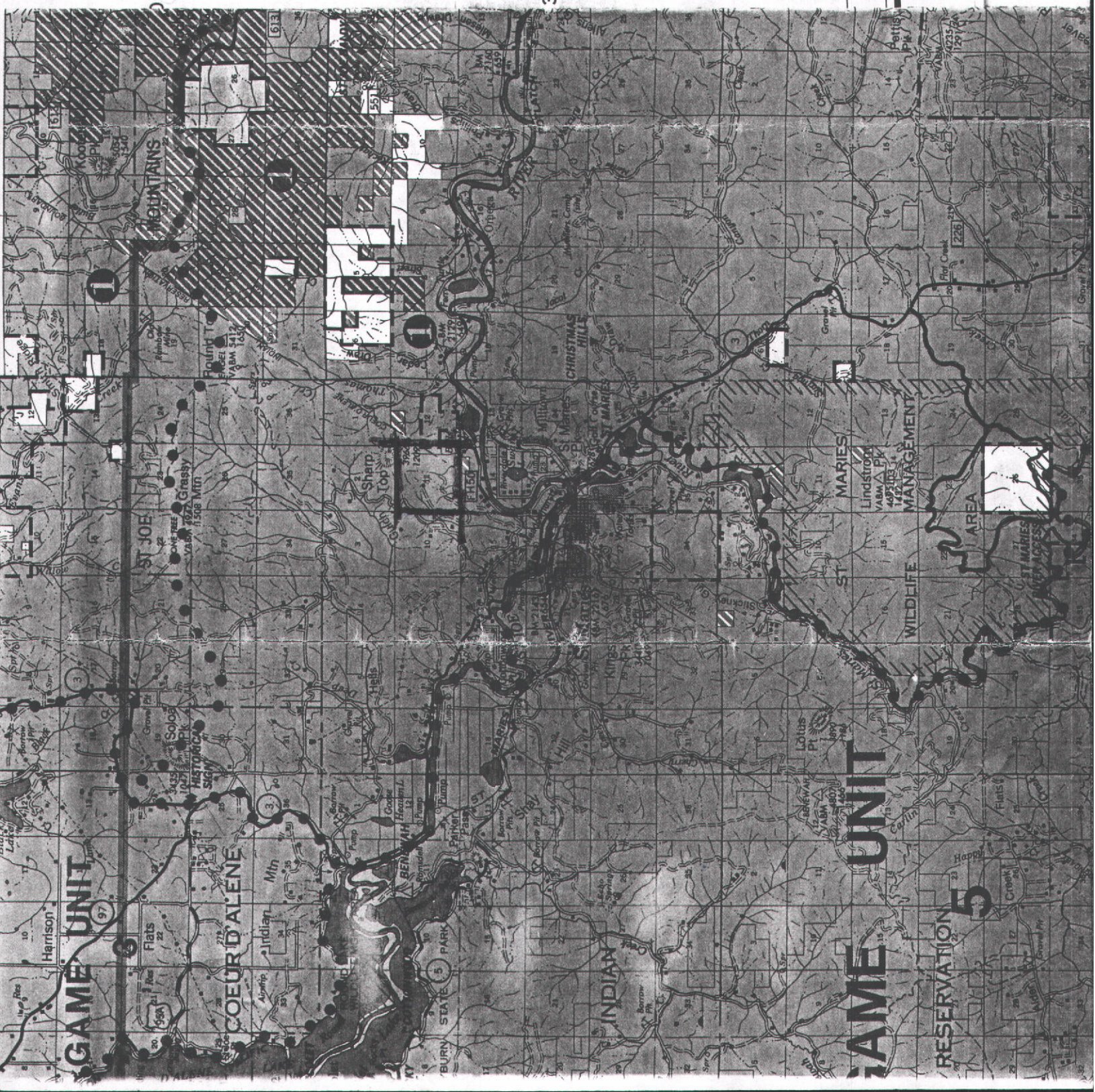
11

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APR 09 1999

R2W

W

5170000mN



MEMORANDUM

TO: File 91-07138

FROM: Sharla

DATE: January 27, 2000

RE: Recommendation Adjustment(s)

The adjustments to licensing recommendations for Permit 91-07138 are as follows:

H. RECOMMENDATIONS

Irrigation	4/1 - 10/31	0.02 cfs	1.5 af
Irrigation Storage	1/1 - 12/31		1.0 af
Irrigation From Storage	4/1 - 10/31		1.0 af
Wildlife Storage	1/1 - 12/31		1.0 af
Recreation Storage	1/1 - 12/31		1.0 af
Fire Prot. Storage	1/1 - 12/31		1.0 af
	TOTALS	0.02 cfs	2.5 af

The "domestic" use the examiner noted is for outside lawn/garden irrigation less than or equal to ½ acre. The license can be issued for irrigation use and no amendment will be necessary for a change of use.

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LICENSE REVIEW CHECKLIST

Reviewed by Sharla Curtis on 1/27/00

Permit No. 91-07138

BU Fee Pd \$ 50.00

Name/Address: ☒ OK ☐ CHANGE

Govt Lots ☐ n/a ☐ plat copy attached

AREA OF CONCERN: ☒ No/Yes ☐ Moratorium ☐ GWMA ☐ TRUST/NON-TRUST

GROUNDWATER: (✓Flow Chart)

Supp irr (irr = only use) - 065-104
 Supp irr (+ other uses) - 100-105
 ≤ 0.24 cfs/5 acres - No MD
 > 0.24 cfs/5 acres - 01M (if on permit)

LOCATION:

Trust - R55 (consumptive uses)
 Non-Trust - 048-049 (consumptive uses or non-cons. > 1.0 cfs)

PD Change - P39/P47 - feds(P40)
 PD Add - P45/P42

PU Change - P41/P47 - feds(P43)
 PU Add - P41/P42

PD & PU Change - P37 - feds(P48)

USES:

STORAGE - 18A-R02-01P-18B-NA
 IRR 5 ac - R66/R67/R68/R69 (0.03 cfs/ac)
 > 5 ac - R62/R63/R64/R65 (0.02 cfs/ac)
 STOCK WATER - R37 (BLM/USFS)
 MINING - 081
 FISH/PROP - 029(70'S only)-042-081
 HEAT/COOL - R07(injection well)
 FIRE PROT. - 077 *spec edit*

Use Change/Add - P46

ADVANCE PRIORITY? ☐ Yes ☒ No

MISC CONDITIONS/REMARKS:

Multiple pd's per 1/4 - W32
 Subd lot desc (pd) - W59
 Subd lot desc (pu) - W60
 Use definitions - W02 example - C/tire shop
 Non-consumptive - 027
 Water Quality - 081-R07
 Mitigation - 121 (if on permit)
 PPU acre limit - W27

CHECK NEW IRR SEASON MAP 4/1-10/31

SURFACE WATER: (✓Flow Chart)

In/Above MSF - WB9 - *below MSF*
 WD - R04 (WD#)
 ≤ 0.20 cfs/others - R02- 01P or No MD
 > 0.20 cfs - R43

SPRINGS/SINK, INACTIVE WD & REST OF STATE

≤ 0.24 cfs/5 acres - No MD
 > 0.24 cfs/5 acres - 01M or No MD

RIVER BASINS: (SW special considerations)

SNAKE R (01) - W22, N/A
 (02,03) - WB9 if above Weiser
 Payette R (65) - 047(Payette Lake)
 Salmon R (70's) - 029 (fish screens)
 Weiser R (67) - 086-087

USES:

POWER - R22-R23 (+uses)-025-081-W42-W43-027
 MUNICIPAL
 Restricted area - 022,075
 Irr., GW supp to SW - 102
~~DOMESTIC~~
 Surface water - WB9 (Big Wood or Boise above Star Bridge)
 27A (Payette R)
 >1 in restricted area - 070-071-075(no parks/common areas, etc)
 Irr use listed separate - WB5
 Lawn/garden included - W01

OVERLAP ANALYSIS/RATES/VOLUMES:

PD overlap rights - W35-W36 Right #
 PU overlap rights - WB7-W31(<1 ac)
 GW replaced SW - 050

Permit Rate 0.10 cfs Fee Limit 0.20 cfs
 Measured cfs Theoretical 0.02 cfs

Use	Rate	Volume
<u>Irr</u>	<u>0.02</u> cfs	<u>5X3=1.5</u> af
<u>Star</u>	<u> </u> cfs	<u>1.0</u> af
<u> </u>	<u> </u> cfs	<u> </u> af
TOTALS	<u> </u> cfs	<u>2.5</u> af

OTHER CONDITIONS/REMARKS/COMMENTS RS/fishing & swimming

SRBA Claim Filed ☐ Yes ☒ No

If no, is a claim required: ☐ Yes ☒ No

AMENDMENTS REQUIRED ☒ Yes ☐ No
 Adjustment Memo Needed ☒ Yes ☐ No

If yes, paragraph codes:

**ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE**

Permit No. 91-07138 Reviewed by Jy Date 11-16-98

GENERAL CONSIDERATIONS

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

TYPES OF USE

wildlife
stock, irr, fire prot.
storage

Correct Uses? yes

SOURCE OF WATER

☒ Surface water source

☐ Ground water source

☐ Drilling permit required?

☐ Copy in the file? Drilling Permit No. _____

☐ Amount paid for permit

_____ Correct?

☐ Well log in the file?

LICENSE EXAMINATION FEE

yes Required?

50- Amount Submitted

yes Correct?

MEASURING DEVICE

NO Required?

☐ Installed?

☐ Waiver requested?

PRIORITY CALCULATION

Date proof received

Date proof due

No. of days late

Priority Date

New Priority Date

DEFICIENCIES OR ACTION ITEMS

Proof acceptable

DATA ENTRY

New Address Rt 3 Box 37X
St Martins 83861

Proof Made ~~11-3-98~~ 11-3-98

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

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OCT 18 1999
Department of Water Resources

A. GENERAL INFORMATION

Permit No. 91-07138

1. Owner: Edward Phillip Abell Phone No. (208) 686-1468

Current Address: RT 3 Box 378 St. Maries Id. 83861

2. Accompanied by: Mr. Abell EXAM DATE: 10-7-99

Address: Same as above Phone No. _____

Relationship to Permit Holder: _____

3. Source: unnamed stream tributary to St Joe River

B. OVERLAP REVIEW

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

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

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			NW	NW	11	46N	02W	Benedict	USGS 7.5 MIN QUAD

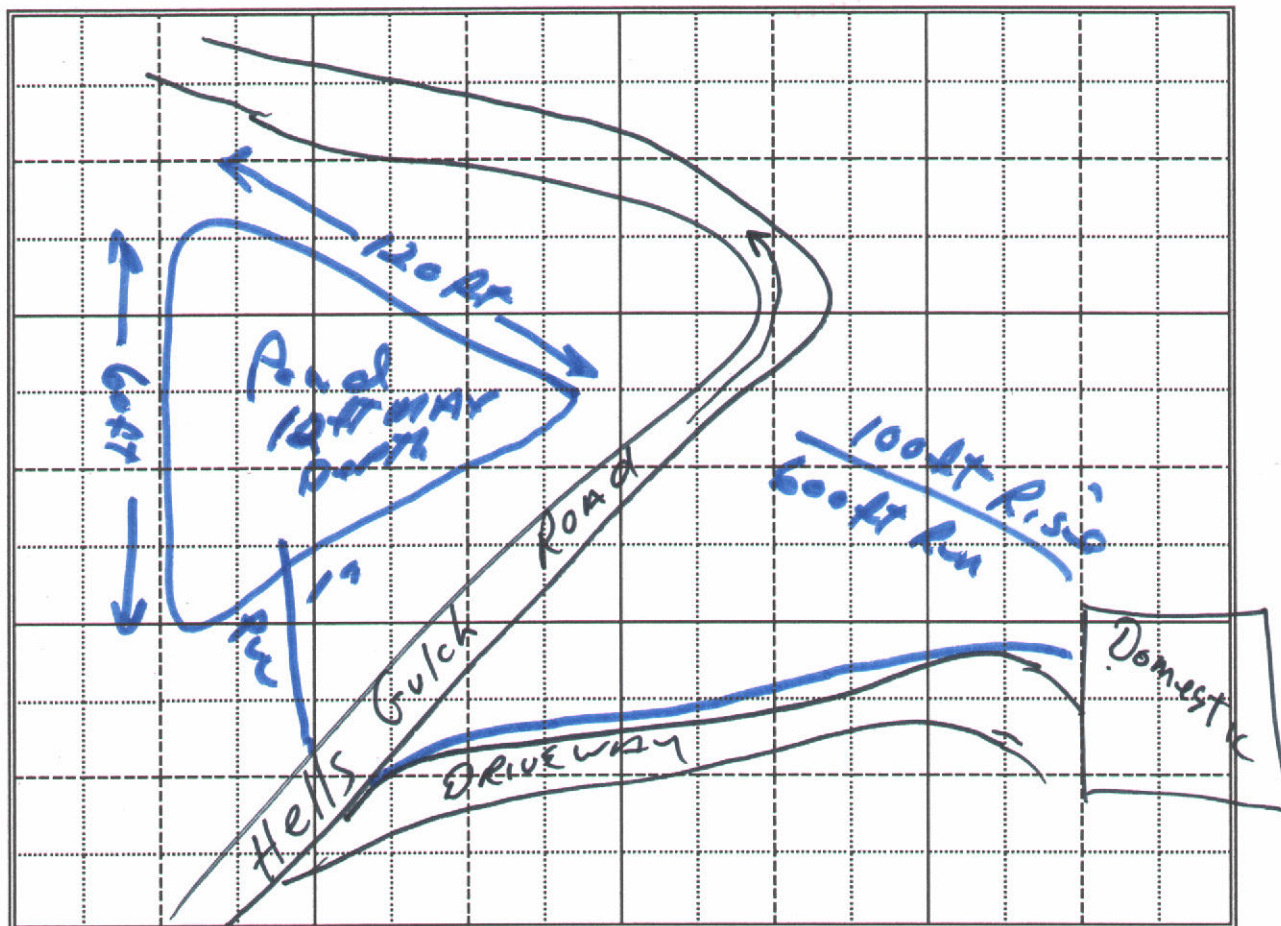
2. Place(s) of Use:

Indicate Method of Determination

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
46N	02W	11					D												
							W												
							R												
							F												

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



Scale: 1" = 100 ft

____ Copy of USGS 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)

____ 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
	SEARS	0.5	MT Legible	SEARS	1"

*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:

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E. NARRATIVE/REMARKS/COMMENTS

Mr. Abel has a 1" Pvc line buried from pond to his dwelling a 1/2 hp pump supplies water to his yard for outside domestic use.

Domestic does not include inside uses.

Pond is instream

Have conditions of permit approval been met? ☒ yes ☐ no

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F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

$$\text{Theoretical } \frac{8.8(65)(.7)}{100+(2.31 \times 40)} = \frac{3.08}{192.4} = .016 \approx .02 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

60 12ft max depth
120

$$\frac{6 \text{ bhd}}{43560} \times .5(60)(120)(12) = \frac{43200}{43560} = .99 = 1 \text{ AF}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	01-01	12-31	.02	.6
Domestic Storage				1
Domestic Prod Storage				
Wildlife Storage				1
Recreation Storage				1
Fire Protection Storage				1
				1.6

2. Recommended Amendments

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

I. AUTHENTICATION

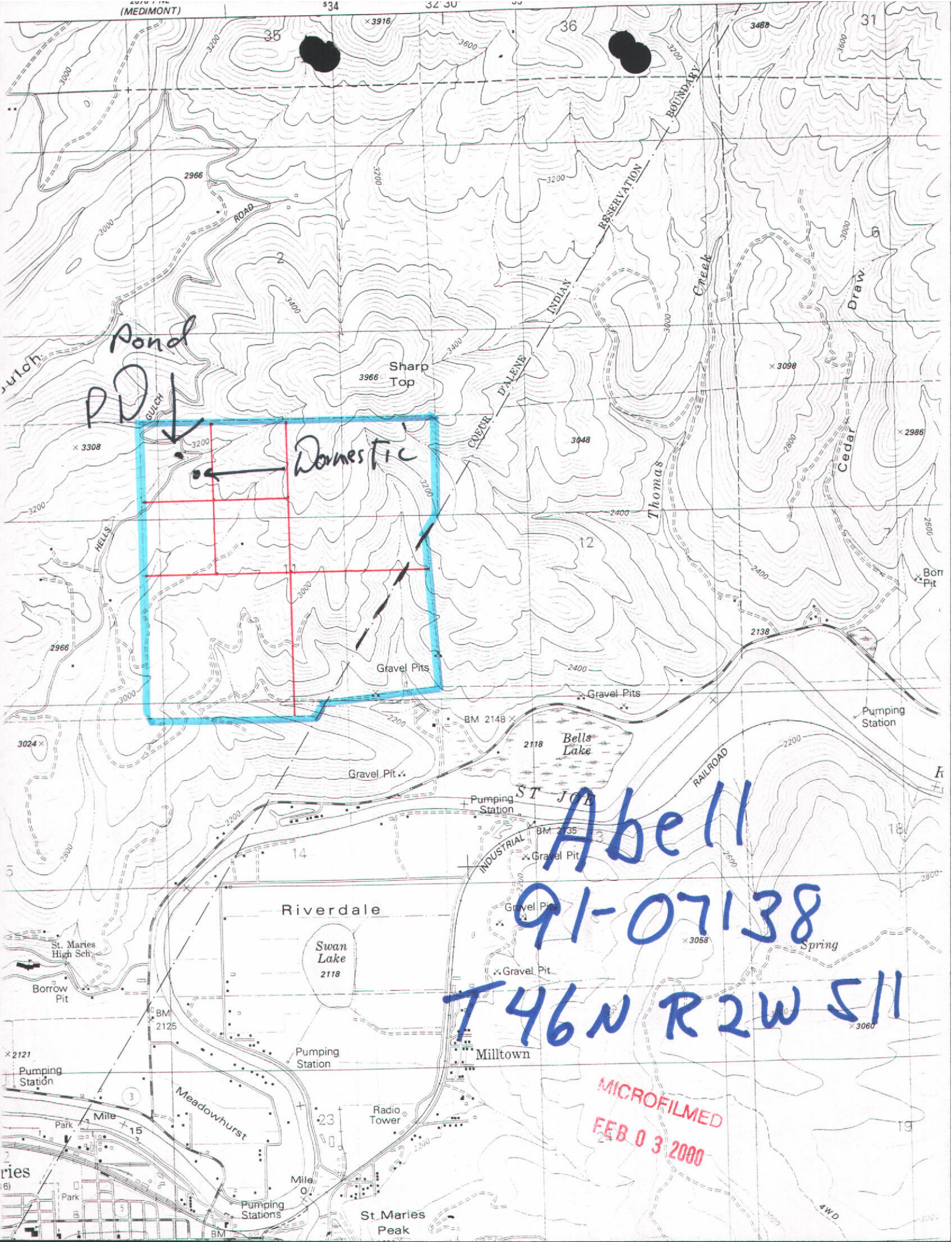
Field Examiner's Name

Wayne Bulch Date 10-13-99

Reviewer

Date

SEAL
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FEB 03 2000



PERMIT # 91-07138

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES



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FEB 03 2000

91-07138

APPLICATION FOR PERMIT STATE OFFICE REVIEW

by Cindy Lou
 No.: 91-7138 Name: Abell Date: 11/12/97 Ad OK? ☒ / Gvmt Lts: ☒
AREA OF CONCERN:

- No/Yes: _____ Mor / _____ GWMA / Trust / Non-trust

PROTESTED:

- 020 (Protest Agreement) or *W19 (Order)

SYSTEM COMPLETED:

1 year/no proof

- P16

>1 year

- 26A-P17

GROUNDWATER: (✓ FLO-CH)

WMD (✓ MAP)

>0.24 cfs/5 acres

- 067 or No MD (in-stream stock or power)

≤ 0.24 cfs/5 acres

- No MD

WMD >0.24 cfs

- 01M (report when notified)

>5 a.

- 01M; 065-079 (if GW use SW 1st-statewide)-(cannot move SW off)

≤ 0.24 cfs/5 acres

- No MD

DRILLING PERMIT:

Existing well

- NA (pre 7/1/87; ✓ WDQ3)

Included w/permit

- Permit No. _____ - _____ - _____ - _____, P99

No drilling permit?

- 046-46B-P23 (post 7/1/87)

irr. in WD

- P05 (new well location)

SURFACE WATER: (✓ FLO-CH) (Surface water that doesn't sink is regulated):

IN/ABOVE MIN. STR. FLOW (✓ MAP)

- *WB9

WD (✓ MAP & LISTING)

- R04 (WD # _____)-01J-P08 (MD)

Pumped >0.20 cfs

- 01H-P01 (LD & MD) or No MD (in-stream stock)

WMD (✓ MAP)

> 0.24 cfs/5 acres

- 067 or No MD (in-stream stock or power)

≤ 0.24 cfs/5 acres

- No MD

SPRINGS/SINK, INACTIVE WD & REST OF STATE

> 0.24 cfs/5 acres

- 01M or No MD (in-stream stock or power)

≤ 0.24 cfs/5 acres

- No MD

RIVER BASINS: (*Surface water):

Snake R (01)

- *W22 -P04, NA

(02/03-irr)

- 007-P07 (w/ remark *WB9 if above Weiser), NA

Payette R(65)

- *W22 (regulated uses), 047-P04 (Payette Lake), NA

Salmon R (70's)

- 029 (fish screens), NA

USE:

Domestic surface

- *WB5 (Big Wood R or Boise R ↑ Star Bridge); 27A (Payette River); NA

>1 in rest. area

- 071-070-P53

Fish Propagation

- 029-007-042(req)-081-R07 (WQ)-P10; 044 (N of 1000 Springs)-

Heating/Cooling

- R07 (injection well)

Irr ≤ 5 acres

- R44/R50/R51/R52 (0.03 cfs/acre + 3.0/3.5/4.0/4.5 AF)

> 5 acres

- R29/R30/R31/R32 (0.02 cfs/acre + 3.0/3.5/4.0/4.5 AF)

Mining

- 054(req)-081-R07-P10

Muni (in restricted areas)

- 022, 075, 004 (+memo?), NA (not in restricted area)

Power

- 17H/17K(+uses)-08A-025-01N(P19)-028-081-R07(P10); 027 (if no other cons. use);

17G (FERC) or 17M (FERC); 18B-P09; >25 cfs-P18

Stock

- R37 (BLM/USFS); NA

Storage (✓ 3 compo.)

- 18A (in & out MD for on-stream storage), 18B-P09 (>10' dam), NA

LOCATION:

42-248 area

- P84 (in 20/30/40/50/60/70/80 (87) basin)

Boise Front LoGeo

- 058 (<85° GW temp only)

In-stream dev.

- P52 (stream channel alteration)

Irr Dist/Canal Co.

- 023 (Twin Falls area)

SWAN FALLS FLAG (See Code Chart)

Trust

- 051-052-053-P74 (Consumptive Uses), NA

Non-Trust (1)

- 048-049 (Consumptive Uses), NA

OWNERSHIP:

- 004 (PD/PU)

OTHER CONDITIONS:- R66 027**STANDARD REMARKS:**- Rec stor/fish & swim- 02079**BENEFICIAL USE DUE:**- 11/1/1998**COMMENTS:**

No. a
4/87-06/92n

DEPARTMENT OF WATER RESOURCE
APPLICATION ANALYSIS SHEET

RECEIVED WRI
WRA
BC
NOV 01 1997

APPLICATION # 91-7138

DEPARTMENT OF WATER RESOURCES

***** INITIAL REVIEW *****

APPLICANT: ABELL BY: AB DATE: 8/11/97

ITEM REQUIRED INFORMATION

1. (X) Name and Address
2. (X) Source
3. (X) Point of Diversion & County
4. (X) Quantity
(X) Nature of Proposed Use
(X) Period of Use
5. (X) Total Quantity
6. (X) Description of diverting works
7. (X) Time required for b/u
8. (X) Proposed use
9. (X) Place of use or acres irrigated
10. (X) Other Water Rights
11. (X) Ownership
13. (X) Map
(X) Signature
(X) Fee (Amt, recpt, acknowledgment)

*** Send info sheet Y() N()

ADDITIONAL INFORMATION

- Yes No
- X Field check: by _____
- X Field report attached
- X Analysis Supp. attached(>5cfs/500af)
- X Water delivered by water master?
- Water District # _____

PROCESSING

- Yes No PRIORITY DATE: 8/11/97
- X (Include Moratorium Remark)
- X Statewide Avertising: (Diversion rate greater than 10 cfs or 1,000 af).

SM/11/01/97
ADVERTISE IN: BENEWA County.

LETTERS SENT REQUESTING:

- () Dam Information () Fish Information
- () Power Information () Other: N/A

INFORMATION RECEIVED:

- () Dam Information () Fish Information
- () Power Information () Other: N/A

***** GROUNDWATER SECTION *****

- (Yes) (No) Checked by: _____ Date: ____/____/____
- X Groundwater management area Remarks: _____
- X Critical ground water area
- X Well Drilling Permit required
- X Well Drilling Application and Fees received
- X Well Drilling Application approved?
- Well Drilling Application Number _____

***** FINAL REGIONAL PROCESSING/REVIEW *****

- (Yes) (No)
- 10/9 Notice of pending void order issued. Final order response date: ____/____/____
- 10/9 Further information required from applicant
- 10/9 Affidavit of publication received
- 10/9 Application published correctly, If not, record action taken: _____
- X Publication dates and paper recorded on application | Sr. Agent initial AB
- X Protests received. Final protest date: 10/20/97
- X Measuring device required
- X Measuring port required
- X Special conditions: _____
- X Special conditions of approval supplement and/or cover letter attached: _____

Approval Recommended by: AB RYA Date: 10/22/97

91-07138

ABELL, EDWARD PHILLIP
PO BOX 102
ST MARIES, ID 83861

Source: UNNAMED STREAM

Tributary: ST JOE RIVER

Diversion Pt: NWNW Sec 11 T 46N R 02W in BENEWAH County.

Use: IRRIGATION	(	0.100 CFS)	
IRRIGATION STORAGE	(		7.00 AF)
IRRIGATION FROM STORAGE	(		7.00 AF)
WILDLIFE STORAGE	(		7.00 AF)
RECREATION STORAGE	(		7.00 AF)
FIRE PROTECTION STORAGE	(		7.00 AF)
Total Diversion:	(	0.100 CFS)	(7.00 AF)

Date Filed: 8/11/1997

In: BENEWAH County
T46N R02W S11 NWNW

MICROFILMED
APR 09 1998

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR CONSTRUCTION OF SMALL DAM

As required for construction or alteration of a dam 20 feet or less in height and capable of storing less than 100 acre-feet of water.

- Name of Owner (print or type): EDWARD Phillip ABell Phone No. message 686-1468
Post Office Address: P.O. Box 102 SAINT MARIES ID 83861
- Application for: ☒ Construction of new dam, ☐ Reconstruction, Alteration of existing dam.
- Location: NW 1/4, NW 1/4, Section 11, Township 46N, Range 2W,
BENAVANT County.
- Source of Water UNNAMED stream to tributary to ST. JOE RIVER
(Name, Unnamed Stream, Other-describe) (Stream Name)
- Drainage Area: ~~250~~ (56) acres, above the site of the dam.
(Approximate)
- Downstream Development undeveloped

Describe land use below site of dam, indicate approximate distances to buildings or development, roads, etc.

2 culverts 1 1/2 miles Down stream 24" DIA.
under County Rd.

NOTE: If the small dam is (to be) located in or immediately above a high risk area (urban, concentrated development, or in proximity to a habitable dwelling, that could be adversely affected by a release from the dam) this application shall be accompanied by plans and specifications prepared by a registered engineer.

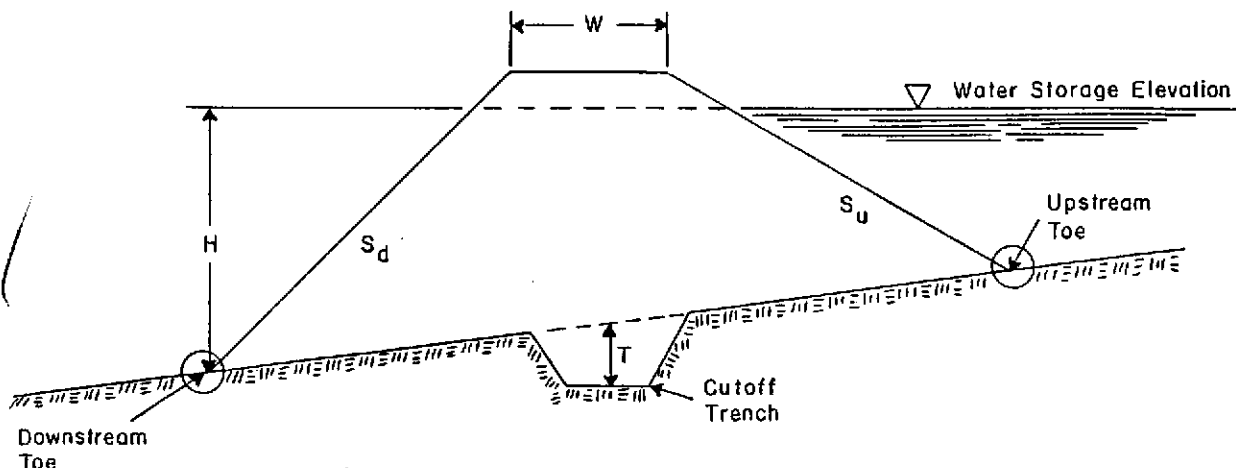
- Reservoir: Surface area 0.18 surf. acres; Storage Capacity 0.7 acre-feet.
- Reservoir Storage Purpose: irrigation & fire suppression storage
(Irrigation, Stockwater, Recreation, Other-describe)

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DETAILS OF DAM AND APPURTENANT STRUCTURES

Type of dam (embankment, other, describe) _____



Hydraulic Height (H) 12' feet. If dam is being raised, indicate increase in height
N/A feet.

Crest Length 70 feet. Crest (top of dam) Width (W) 8' feet.

Downstream Slope (S_d) 2 : 1; Upstream Slope (S_u) 3 : 1.

Depth of Cutoff Trench (T) 4 feet.

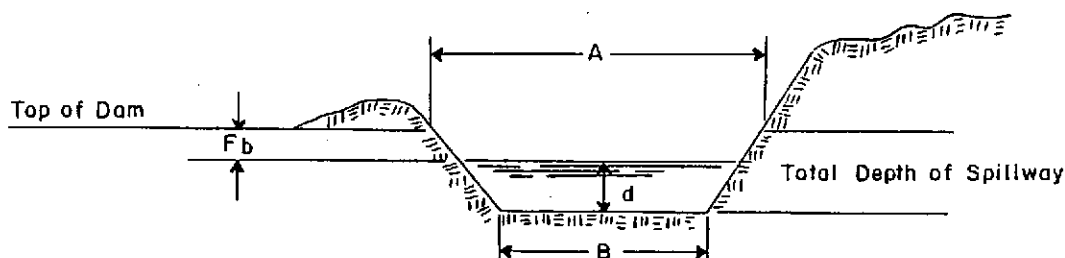
OUTLET 24" (Size); Spillway Culvert (Type); Maximum Release Rate 16.8 cfs.
(under full reservoir head)

Size and number of anti-seep collars 2 4' x 4' x 4' apart
(also indicate spacing of collars along outlet)

SPILLWAY

☐ Service (auxiliary) Spillway, describe _____

☒ Emergency Spillway, Located at: ☐ left, ☒ right abutment, ☐ other location.



Total Depth of Spillway (below top of dam) 3' feet.

Spillway: Bottom width (B) 3 feet; Top Width (A) 5' feet.

Discharge Capacity of Spillway 33.6 cfs at spillway flow depth (d) 2' feet.

Freeboard (F_b) 1' feet (total depth of spillway minus the spillway flow depth).

Spillway Channel Lining seed w/ grass
(Rock Cut, Rock Riprap, Other-describe)

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APR 09 1998

CONSTRUCTION SCHEDULE

Proposed date for start of construction

8/1/97

8/21/97

(Date)

Edward P. Abell

Applicant's Signature

FOR DEPARTMENT USE ONLY

Date application received

8/11/97

By

dp

Fee \$

Date receipted

Receipted by

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

In accordance with the provisions of Title 42, Chapter 17, Idaho Code, and the Department's Rules and Regulations for Safety of Dams, the application for construction of _____ Dam is hereby approved, subject to the following conditions:

1. This action does not constitute the required authority to appropriate water under Idaho Water Law.
2. The applicant shall notify the Department at the following times and at such other times deemed necessary, to conduct inspections.
 - a. After clearing and excavation of the foundation area, and prior to placing fill material.
 - b. After installation of the outlet conduit, and before placing any backfill material around the conduit.
 - c. After construction is complete and before any water is stored in the reservoir.
3. Approval of the application for construction of the dam shall not be construed to grant the applicant other authorization required to proceed. It is the responsibility of the applicant (dam owner) to secure all lands, easements, and rights-of-way; water rights; or the approval of other regulatory agencies, prior to commencing to construct the dam or to store water in the reservoir area.
4. In the event the owner fails to pursue actual construction and maintain reasonable progress on construction of the dam, in conformance with this approval, the Director may revoke the approval one year after such approval.
5. Additional Conditions:

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

MICROFILMED

APR 09 1998