

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 79-07240

Exam Date: 7/20/1998

1. Current Owner:

CHRISTA TRIPLETT 1311 BIRCH AVE LEWISTON ID 83501 (208) 743-3364 And/or
JOHN W TRIPLETT 1311 BIRCH AVE LEWISTON ID 83501 (208) 743-3364

2. Accompanied by: Patricia Triplett

Phone No:

Address:

Relationship to Permit Holder: Daughter of Current Owner

3. SOURCE:

UNNAMED STREAM

TRIBUTARY:

WEST FORK DEER CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None.
2. Other water rights with the same point-of-diversion: None.

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

UNNAMED STREAM SE¼SE¼ Sec. 14, Twp 32N, Rge 04W, B.M. NEZ PERCE County

Method of Determination: Pond developed on-stream to Unamed Stream trib to West Fork Deer Creek. GPS point taken during exam matches digital PLSS map boundary for the above description.

2.

PLACE OF USE: FIRE PROTECTION STORAGE and WILDLIFE STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
32N	04W	14																X	

Method of Determination: Photos taken during exam match satellite imagery of property. Digital PLSS map boundary describes legal description above.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X Indicate weir size/pipe as applicable.X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.X Aerial Photo Attached (required for irrigation of 10+ acres).X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A - ON STREAM STORAGE					

*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: None collected during exam.

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method: Non-flow permit.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

Capacity = 0.35 af

Evaporation = 0.05 af

Total Use = **0.4 af** See attached pond analysis.

Permit	3.0 af
B.U. Standard Allowance	NA
B. U. Proof Fee	\$50 → 0.1 – 20.0 af
Pond analysis	0.4 af
License Recommendation	0.4 af

G. NARRATIVE/REMARKS/COMMENTS

The field exam was conducted by department staff on July 20, 1998 and was met by Patricia Triplett, daughter to the permit holders. The water right file has been held in a drawer awaiting licensing review. This report represent information found in the file.

A plat map of the sub division was very useful in identifying the exact taxlot/property associated with the permit. Shapes of the current taxlot layer matches the plat map found in the file. Using aerial photography over a range of many years, the small pond is visible. Photos taken during the exam match the shape of the pond observed with imagery. A GPS point was collected at the cistern. This point was printed out onto a PLSS map, and matches the location I have described.

2017 taxlot data suggests the property has since been sold to a Delbert Bell at 103 Zan Ln, Dayton WA 83555. An ownership change should be completed by the property owner once the license is issued.

ArcMap tools were used to measure a pond surface area of 0.07 acre. Notes in the exam report claim an average depth of 5 ft. A pond analysis was completed measuring a total use of 0.4 af. See the attached analysis for further details.

The pond sits on an unnamed stream tributary to West Fork Deer Creek. The field examiner also found a 1,000 gallon cistern was developed at a spring which delivers water via a buried 1" PVC pipe. This spring is not recognized by the permit. Further, a licensing amendment cannot be added to the right since this is an on-stream permit with no flow component associated with it. The application for permit only recognizes a "40 to 50 ft burm" would be used to essentially act as a dam. The spring diversion was not described in the original application, and the property owner will need to file another application for permit to authorize the diversion.

Have conditions of permit approval been met? X Yes No

- Condition restricting diversion for fire protection is updated on the license. Conditions recognized pond shape and volume were added.

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
FIRE PROTECTION STORAGE	01/01 to 12/31		0.4 AF
WILDLIFE STORAGE	01/01 to 12/31		0.4 AF
	<u>Totals:</u>		0.4 ~~0~~ AF

2. Recommended Amendments

Change P.D. as reflected above Add P.D. as reflected above X None

Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name M. Minicucci Date 7-20-1998
Reviewer Patrick Kelly Date 12-12-2017

04W



32N

0 0.0175 0.035 0.07 Miles

-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections



Seepage Loss Calculations

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total annual seepage losses from a pond.

FILE NUMBER	77-7240
REVIEWER	Patrick Kelly
DATE	12/11/2017

User Input
Calculated value
Formula Explanations

INPUTS

Pond Surface Area (AC.)	0.07	AC.
-------------------------	------	-----

Pond Surface Area (SQ. FT.)	3049	SQ. FT.
-----------------------------	------	---------

My Soil Classification is	On Stream	
Suggested Seepage Rate (FT./DAY)	0.0000	FT./DAY

Formula: (Surface Area X Seepage Rate) X 7.48 = Gallons Per Day Loss

Convert to GPD	0	GPD
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Total Seepage Loss (AFA)	0.0	AFA
--------------------------	-----	-----

Though sand and gravel seepage rates may actually be higher, the maximum allowable rate is 0.2 ft/day, pursuant to Administrative Memo "Seepage Loss Standards for Ponds and Reservoirs."

Suggested Seepage Rates for Different Soil Types:

GW, GP, GM, GC, SW, SP and SM (silty sand, sand silt mixtures and gravel mixtures) = 0.2 ft per day

OL and ML (inorganic silts - very fine sands, silty, or clayey fine sands) = 0.02 ft per day

SC (clayey sands, sand clay mixtures) = 0.007 ft per day

CL (Low to medium plasticity clays) = 0.003 ft per day

MH, OH, PT and CH (high plasticity clays) = 0.0003 ft per day

LINED PONDS (liners can be chemical, fabric, or bentonite) = 0 ft per day

Ponds Intercepting Groundwater (excavated ponds filled by ground water) = 0 ft per day

PLEASE NOTE: The initial basis for the Suggested Seepage Rates in the table above is found on Page 16 of Seepage from Fish Ponds, Bulletin 599, August 1989 Alabama Agricultural experiment Station, Auburn University, Auburn University Alabama. If you don't know the soil type, please refer to the map provided at <X:\Spatial\Soils\USCS\PondSoils.lyr>. Use "0" if the pond fill relies on the water table.

Evaporation Loss Calculations

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the annual evaporation losses from a pond.

FILE NUMBER	77-7240
REVIEWER	Patrick Kelly
DATE	12/11/2017

User Input
Calculated value
Formula Explanations

The acronyms used on the Kimberly Research Center website are defined below:
P = Precipitation
ET= Evapotranspiration
P _d = Precipitation deficit
P _d =ET-P

USING THIS SPREADSHEET

Use the link below to access the Kimberly Research Center website. This website provides the Precipitation Deficit for a station most representative of the pond under examination. The Precipitation Deficit is the total amount of free water surface evaporation minus the precipitation for a given area, which gives the total amount of evaporative losses incurred by the pond. There are several weather sites that are used throughout the state. IDWR staff can find the nearest site using Arc Map. The shape file containing the sites can be found at <X:/Spatial/Climate/ETIdahostations.shp>.

Instructions:

1. Use the link below to navigate to ET Idaho 2012.
2. Select the station which is most representative to your pond location.
3. Click Submit Query.
4. Under "Land Covers with Evapotranspiration Estimates," select "Open Water - Shallow Systems (ponds, streams)" or "Open Water - small stock ponds" depending on the pond size.
5. Click the link to "Precipitation Deficit."
6. Reference and copy (ctrl + C) the first subheading "Mean" values.
7. Click the "Paste Values from ET Idaho" button. The table will automatically enter a zero (0) for any negative precipitation deficit values.

Found at: <http://data.kimberly.uidaho.edu/ETIdaho/>

Precipitation Deficit

Station: Cottonwood (NWS - 102154)

Month	mm/day ¹	Days per month	mm/Month
Jan	-1.32	31	0.00
Feb	-0.76	28	0.00
March	-0.30	31	0.00
April	-0.06	30	0.00
May	0.13	31	4.03
June	1.05	30	31.50
July	2.62	31	81.22
August	2.24	31	69.44
September	1.27	30	38.10
October	-0.08	31	0.00
November	-1.41	30	0.00
December	-1.17	31	0.00

Total mm/year = 224.29

PLEASE NOTE: The seasonal average for precipitation deficit should not be used for calculations because precipitation often exceeds evaporation during wetter months of the year. If the pond is kept full, excess precipitation during wetter months does not serve to refill the pond during drier months.

For example, see Sandpoint KSPT (NWS -- 108137), the annual precipitation deficit is -106 mm. However, April through September have positive precipitation deficit values. To properly estimate the annual volume of water necessary to refill a pond due to evaporation losses, the table will automatically enter a zero (0) for each month that the precipitation value is reported as a negative value.

As described above, precipitation offsets evaporation in winter months, so the net effect is that wintertime precipitation deficit is usually zero.

$$\left(\frac{224.29}{304.8} \right) \times 0.07 = 0.1 \text{ AFA}$$

[(mm/yr) ÷ (convert to feet)] X (Surface area of pond, in acres) = Evaporation Loss in Acre Feet

Total Storage Calculations

FILE NUMBER	77-7240
REVIEWER	Patrick Kelly
DATE	12/11/2017

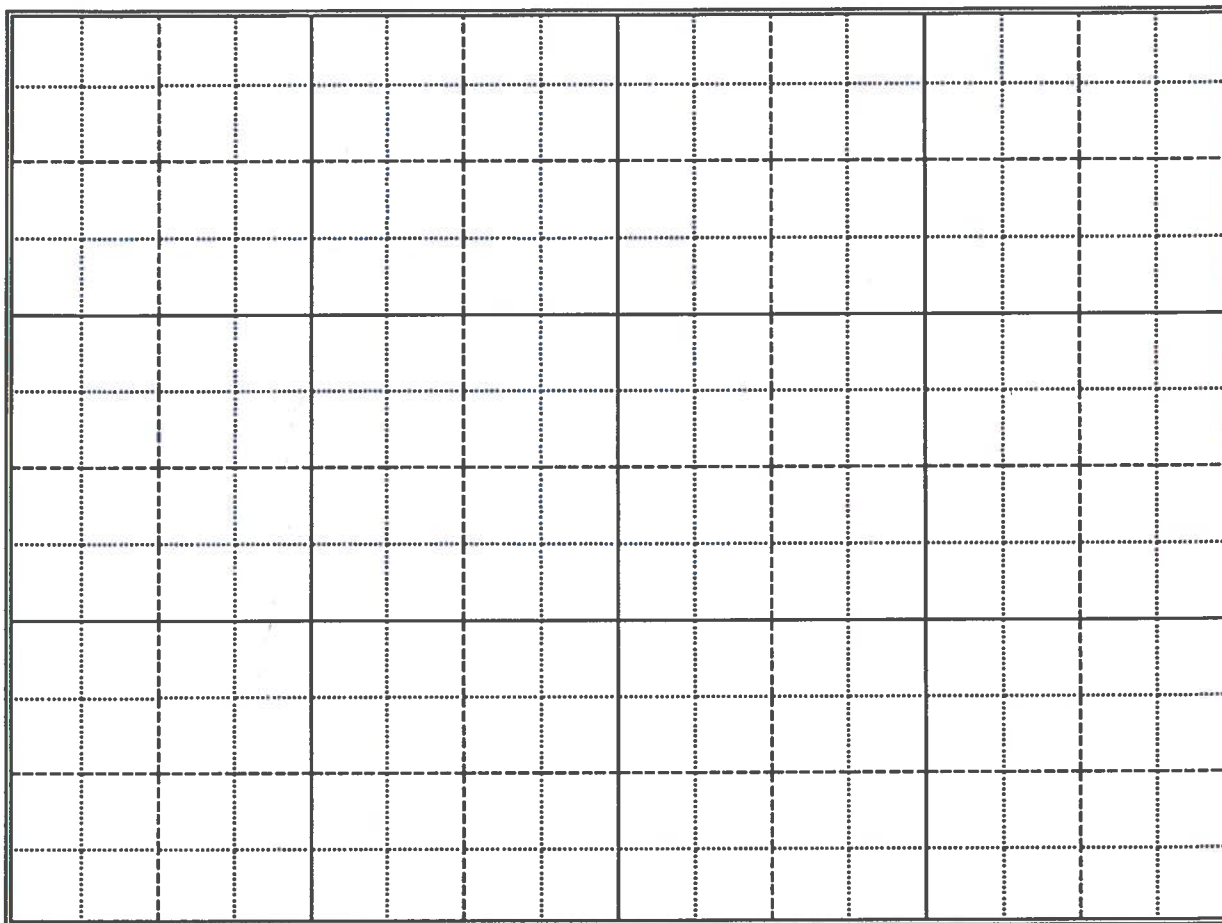
This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total seepage, evaporation and fill capacity required for a pond.

User Input
Calculated value
Formula Explanations

Surface Area (AC.)	0.07	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	5	"Average Pond Depth" depicts the actual depth of the pond either measured or estimated. Note: If you know the maximum depth and not the average depth, the Field Examiner's Handbook suggests multiplying the maximum depth by 0.4 to get the average depth, or you can use any method that seems reasonable to attain average depth.
Pond Capacity (AF)	0.35	Pond Capacity is calculated by multiplying the Pond Surface Area by the Average Pond Depth. If you know the capacity, divide the capacity by surface area and enter the average pond depth in the space above. Note: If pond capacity is determined using a method shown on the "Pond Capacity" sheet, the user may need to modify the value of "Pond Capacity" (cell B9) manually. Note that if the value is modified manually, the formula will be altered for future use.
Multiple Fill Volume Above Initial Fill to Fulfill From Storage Needs- "Multiple Fills" (AF)	0	The "Multiple Fill Volume Above Initial Fill" is the acre-feet of water required to meet a <i>from storage</i> component if the <i>from storage</i> component exceeds a one time fill. This section should not include the amount of water needed to fill the pond initially or the amount of water needed to maintain the pond level due to evaporation or seepage. For example: if a pond has a capacity of 5 acre feet and 2.5 acre feet of seepage and evaporation, but the pond is used for irrigation that requires 10 acre feet of from storage for the irrigation use, then you would insert 5 acre feet into this location (10 acre feet needed - 5 acre feet from the initial fill = 5 acre feet of additional storage needed). Note: You must have a "From Storage" component exceeding the initial fill on the permit to include a volume in this space.
Estimated Seepage Loss (AF)	0.0	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	0.1	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	0.4	The "Total Volume Required" is calculated by adding the Pond Capacity, Multiple Fills, Seepage Loss, and Evaporation Loss amounts to determine the total amount of storage required.

[illegible]

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



Scale: 1" = _____.

_____ Copy of USGS 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

*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: _____

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

G. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:** $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____**2. Volume Calculations for Other Uses:****H. RECOMMENDATIONS****1. Recommended Amounts**

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			_____	_____

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 _____ Date _____

Reviewer _____ Date _____

SEAL

E. NARRATIVE/REMARKS/COMMENTS

Developed spring to 1,000 gallon cistern. Piped underground to pond. Pond is approximately 1750 ft² surface area. According to Patricia Triplett, pond is 7 ft deep, with an average depth of 5 feet.

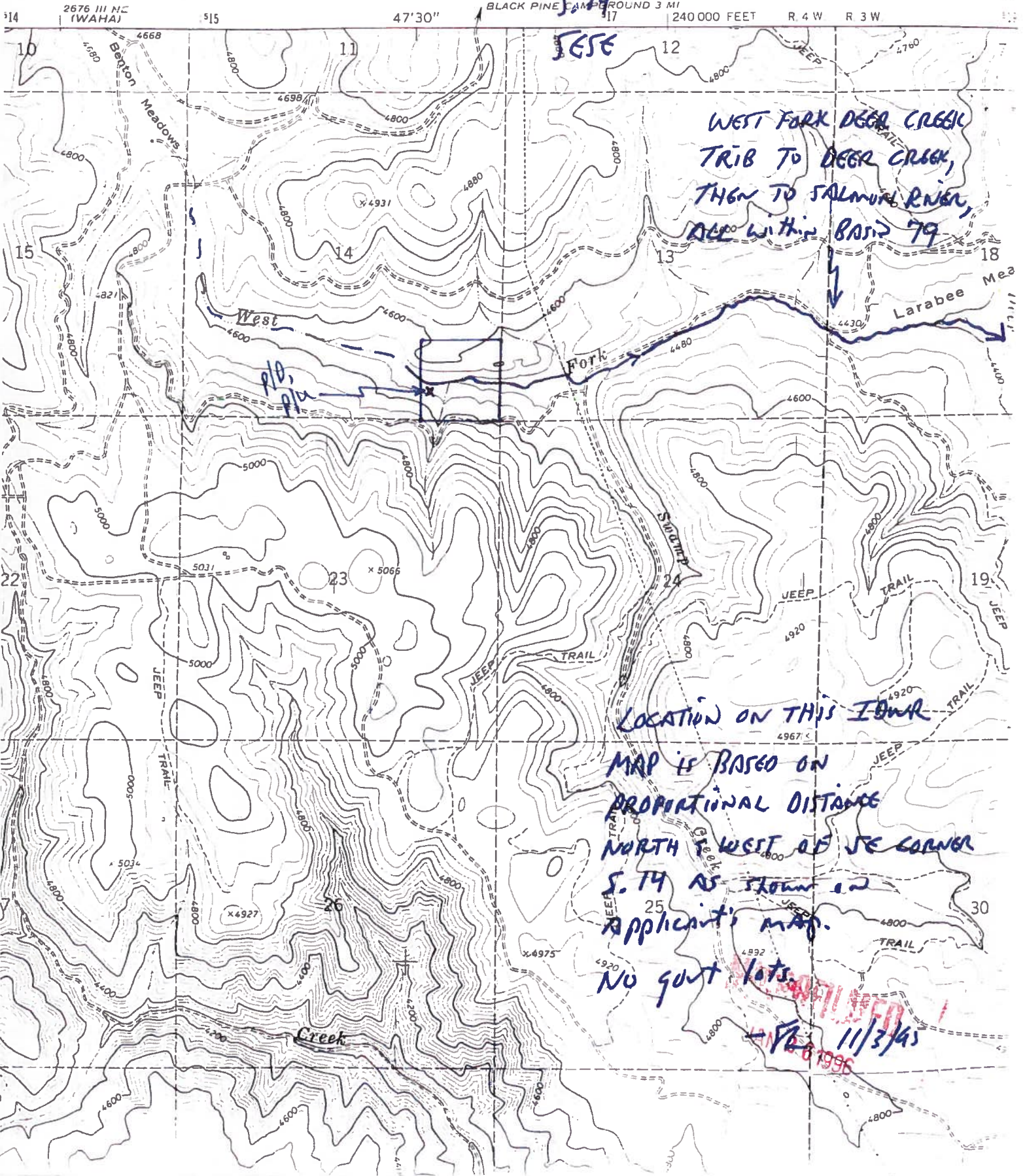
Have conditions of permit approval been met? ☒ yes ☐ no

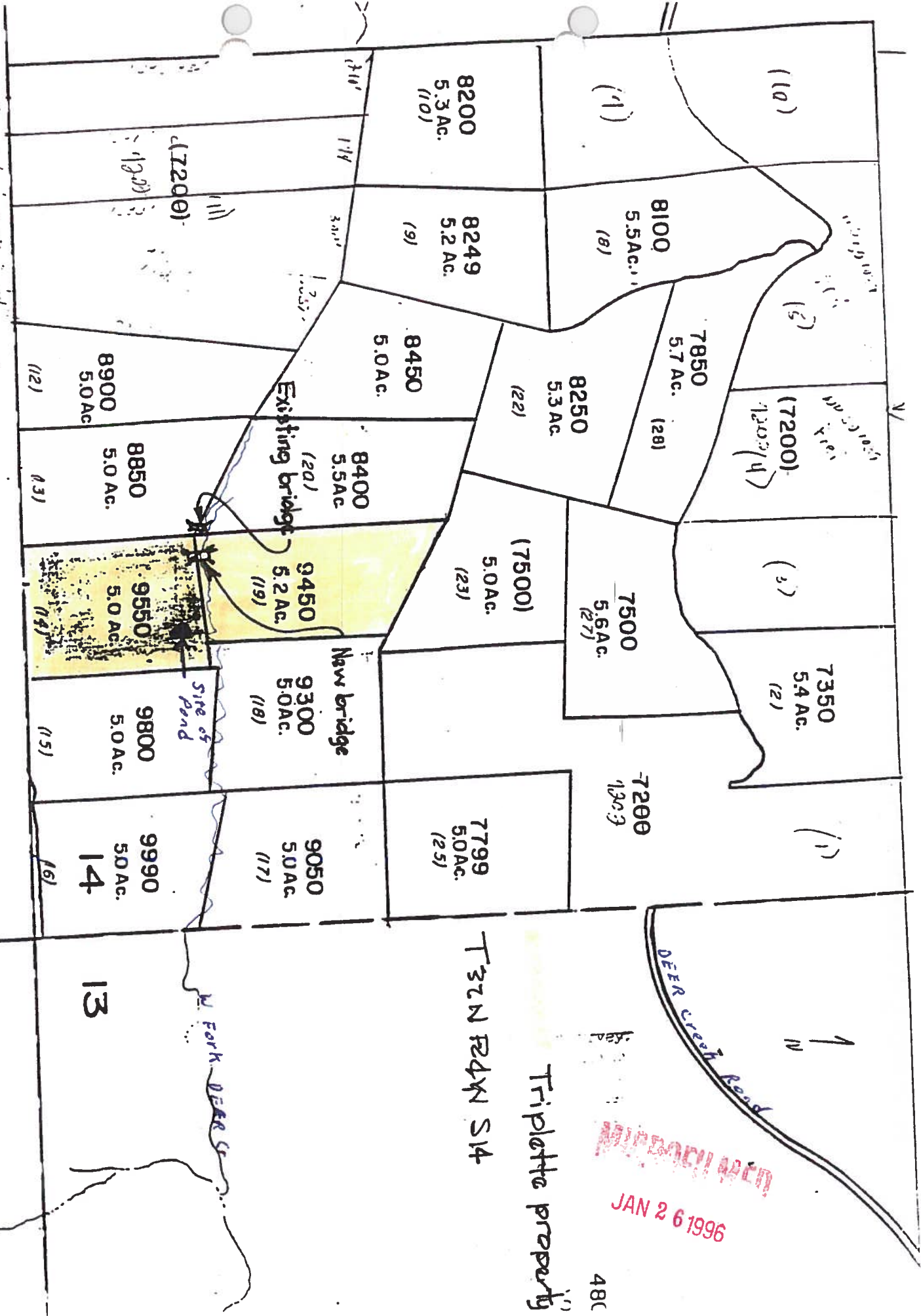
FRYE POINT QUADRANGLE
IDAHO-NEZ PERCE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

~~T32N~~
T32N
R4W
S14

BLACK PINE CAMP GROUND 3 MI

240 000 FEET R. 4 W R. 3 W





(10)

(1)

8200
5.3 Ac.
(10)

8100
5.5 Ac.
(8)

8249
5.2 Ac.
(9)

7850
5.7 Ac.
(28)

8450
5.0 Ac.
(9)

8250
5.3 Ac.
(22)

(7200)
12.0 (4)

8400
5.5 Ac.
(20)

8900
5.0 Ac.
(12)

8850
5.0 Ac.
(23)

9450
5.2 Ac.
(19)

(7500)
5.0 Ac.
(23)

7500
5.6 Ac.
(27)

(3)

7350
5.4 Ac.
(2)

9300
5.0 Ac.
(18)

9800
5.0 Ac.
(15)

7799
5.0 Ac.
(25)

7200
12.0 (3)

9050
5.0 Ac.
(17)

9990
5.0 Ac.
(14)

23

24

T32N R24N S14

Triplette property

48C

JAN 26 1996

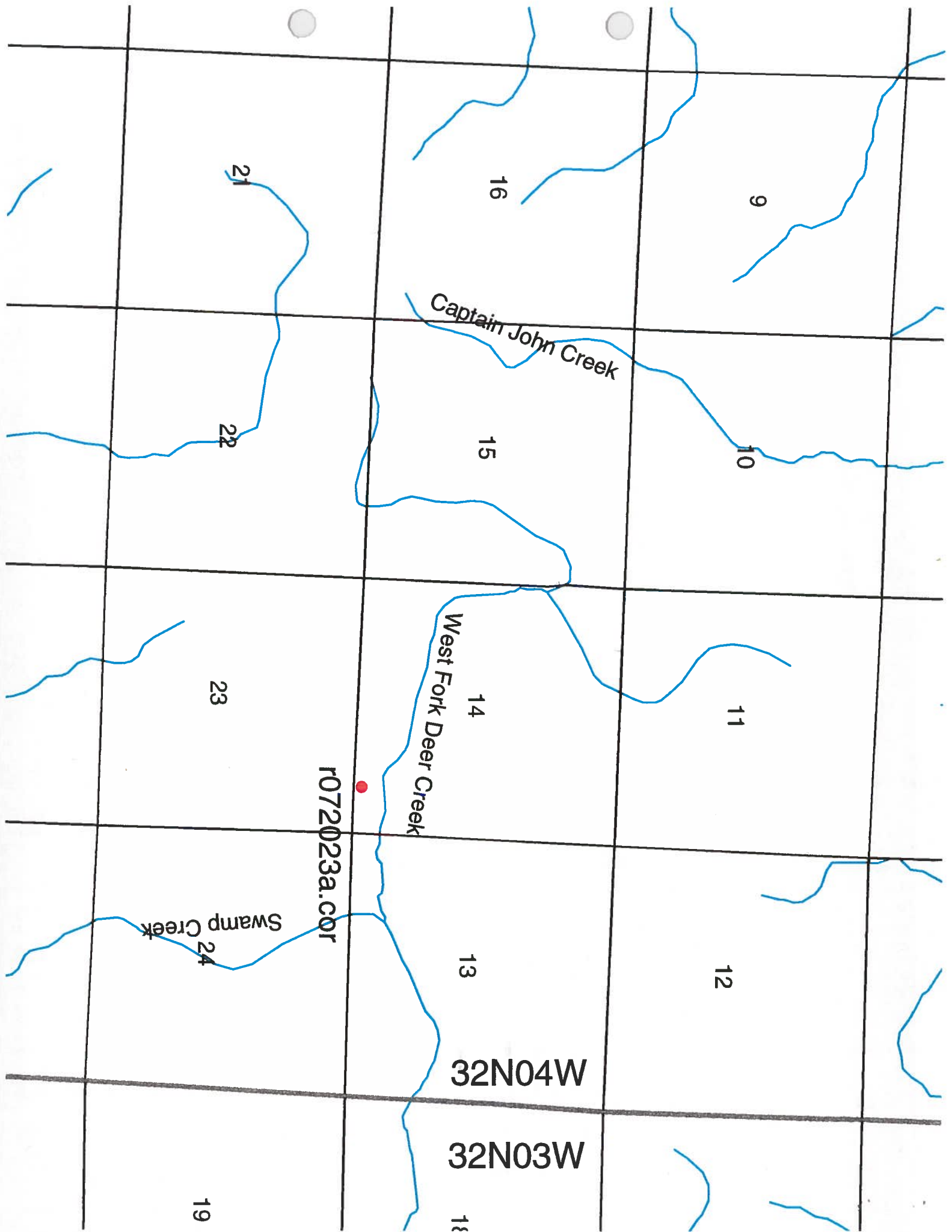
IDWR-CPS-02, Ed. 6/195

PAGE 1 OF 1

RECEIVER SERIAL NO. 0010002777

ID # 196545

[illegible]





PHOTOGRAPHER AND DATE OF PHOTOS T. Minicucci 07/20/1998

FILE NO. AND LEGAL DESCR. 79-07240



CISTERN @ spring.
Flowing water audible -
No measurement possible.
Spring located approximately
200 ft upstream of pond.



Place of use.
Buried PVC pipe
discharges to pond.
No measurement
of rate of flow



PHOTOGRAPHER AND DATE OF PHOTOS M. Minicucci 07/20/1998

FILE NO. AND LEGAL DESCR. 79-07240



Pond discharge. Water flows down slope
to natural channel, across small meadow
to West Fork of Deer Creek.

20 Jul 98
79-07240

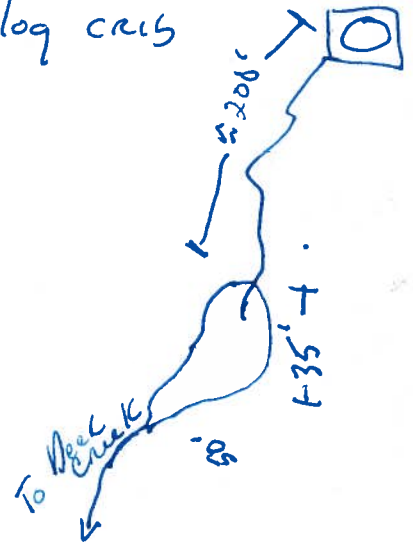
Roll No. 2

Photo No. 3

Pond outlet. Runs back down to Cree K
Pond from up hill side

5. Cistern outlet. Enclosed in log crib

~ 5-6' deep
possibly 7



Creek has some H_2O

No H_2O @ location
of large plastic
cistern.

Water flow audible
through cistern -
developed spring
1,000 gal cistern -
full

Patty Triplett indicated
that all internal
water is brought in -
no development on site.

Assume underground
pipe to POV, since stream
has very little H_2O and
pipe discharge is ~ 15 gpm.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Staff Analysis Sheet
Beneficial Use Field Report

A. Prior to Conducting the Exam, the File Contains:

- ☒ Blank Field Report Form
- ☒ Copy of Permit
- ☒ Copy of Proof of Beneficial Use
- N/A Copies of any Amendments/Orders with Conditions of Approval
- N/A Well Inspection Form (If Needed)
- ☒ Aerial Photo Required? yes ☒ no If yes: copy attached
- ☒ SRBA Claim Required (required if proof filed by 11-19-1987)
- Yes ☒ No If yes: claim filed? (check AJ5, AJQ1, AJQ4)
- ☒ Copy of U.S.G.S. Quad
- Check for Government Lots. If so, make a copy of government plat
- ☒ Check of P/D index TD 07/16/1998 (initial & date)
- Overlap yes ☒ no If yes: copy of exam(s) attached?*
- Type of Overlap: Same source Other source
- ☒ Check of P/U index TD 07/16/1998 (initial & date)
- Overlap? yes ☒ no If yes: copy of water right(s) attached?*
- Type of Overlap: Same land, same source
- Same land, other source
- Other land &/or other uses

*copies attached only if needed for analysis

N/A Irrigation from groundwater (all basins):

Surface water currently or previously used Yes No

If yes: identify water source, water right, and explain current or previous use.

Nb Scheduling Letter Sent? (initial & date)

☒ Appointment Made and Telephone Conversation Memo Attached

B. After Conducting the Exam, the File Contains:

- Fully Completed and Signed Field Report Form
- Photographs of Point of Diversion and Place of Use

C. Review and Processing:

Exam Completed (signature of examiner & date)

Exam Sent to State Office (initial & date)

B/U EXAM SCHEDULING
PHONE MEMO

DATE 7/13/198

PERMIT # 79-7240

NAME: Christa/John Triplett

PHONE #: 743-3364

WELL OR PUMP INFO

CASING:

HP:

SWL:

PWL:

SET DEPTH:

PSI:

ACRES IRRIGATED:

SPRINKLER INFO

LINE DIA:

HEADS:

NOZZLE SZ:

STOCK:

DOMESTICS:

OTHER USES:

OTHER RIGHTS:

(FOR BS63 GROUND WATER) SURFACE WATER USED?:

DIRECTIONS:

Gates are locked

Daughter - Parry -
available 7 days

~~John~~

2:00-3:00

White Bird → Lewiston

Not to Lapwai

Left turn → Train road
Webb Road (paved)
Steep hill

Top of hill, down little hill.
Road veers to left → Waha Road
up another hill (couple of hills)

@ bottom of RTN

Red + white blk = 21 Ranch

CONTINUE 5-10 mins

Waha Stone Bar + Grill

2 Hours

Dark Blue Throats

@ Lapwai
turn-off

EXAM DATE/TIME:

EXAMINER