

JUL 12 1999

Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Permit No. 97-07311

A. GENERAL INFORMATION

1. Owner: Idaho Nestal Inc - same Phone No 208(769-1914)

Current Address: 2320 Greenmount Way, Coeur D'Alene Id.

2. Accompanied by: Unaccompanied EXAM DATE: 7-7-99

Address: _____ Phone No. _____

Relationship to Permit Holder: _____

3. Source: Unnamed Stream tributary to Two Mouth Creek

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:

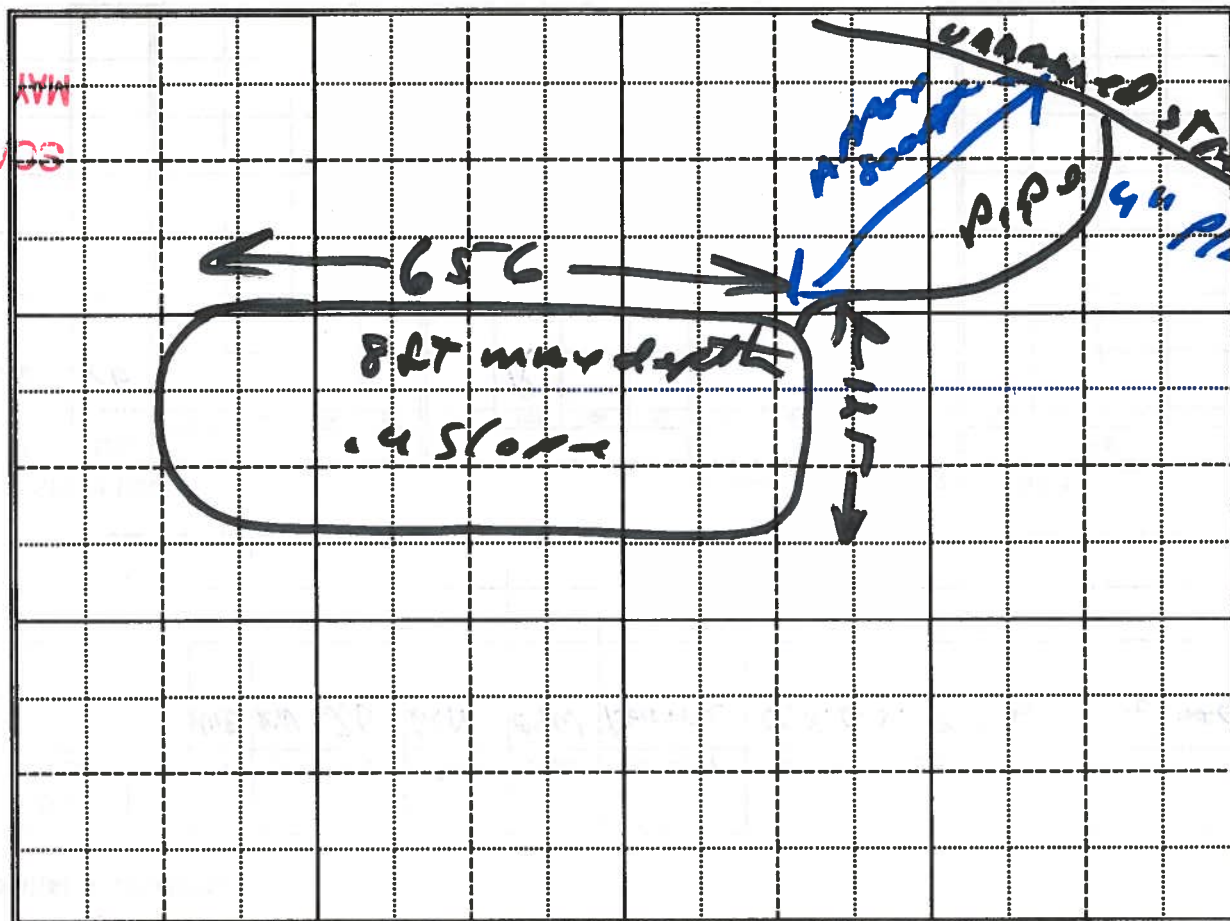
[illegible]

2. Place(s) of Use:

Indicate Method of Determination

[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" = 100'

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
	Gravity flow				

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

D. FLOW MEASUREMENTS

1.

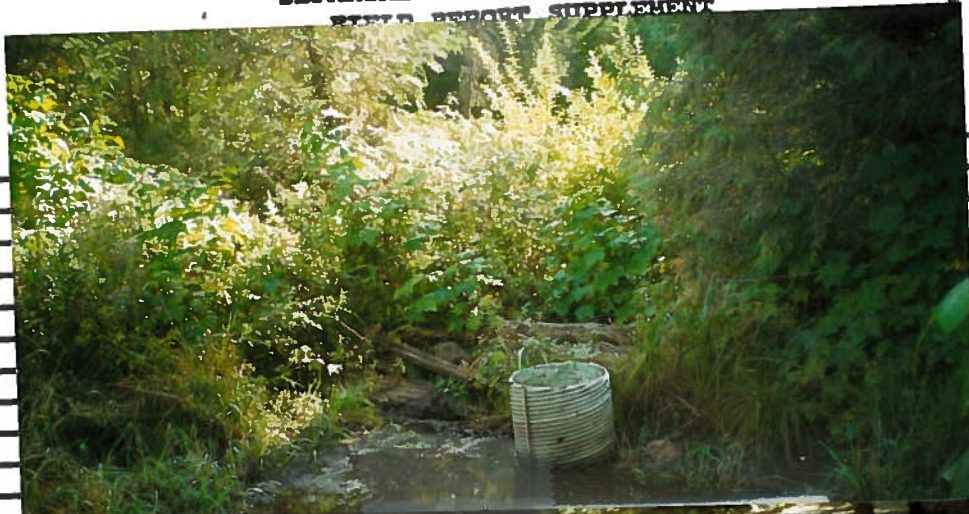
Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
FIELD REPORT SUPPLEMENT

PERMIT #

97-07311



PD



pu
outlet into
pond



pond

R I E S T

L A K E

NORMAL POOL ELEVATION 2438

Canoe Point

Tripod Point

Camp Codge

FOREST
BOUNDARY

NATIONAL

FOREST

MC

Two Mouth
Guard Station

Huckleberry Bay

Squaw

SHORE

MC

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E. NARRATIVE/REMARKS/COMMENTS

4" plastic pipe runs from point of diversion approx 800ft to moose lake.

The photos were taken on the first visit to lake Sept of 97. As you can see there was no flow at that time. I revisited this site spring of 98 lake level was too high to gain access to area where diverted water enters. On 7-7-99 I revisited & was able to access this area and make measurement. If it flows harder in early spring I don't know. It was flowing at full pipe at time of measurement.

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

F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

5 gal bucket 5 gal in 2.5 sec = 120 gpm

$$\frac{120 \times .133681}{60} = 0.267 \text{ cfs} = .3 \text{ cfs}$$

G. VOLUME CALCULATIONS

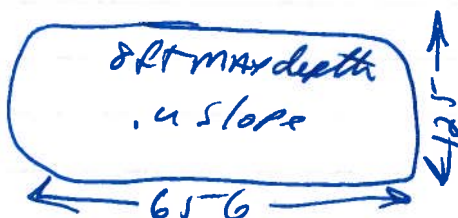
1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:



$$\frac{656(125)(8)(.4)}{43560} = 6 \text{ af}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
Recreation Storage	01-01	12-31		6 af
Div to Storage	01-01	12-31	.3	
Totals:			.3	6 af

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 Bolden Date 7-9-99

Reviewer _____ Date _____

SEAL