

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 97-7471

Exam Date: 8/1/2008

1. Current Owner: BEN K ASPEN
#11 RAFT ISLAND DR NW
GIG HARBOR WA 98335
(253) 265-6911

2. Accompanied by: Ben K. Aspen
Phone No: (208) 443,3357 (local) (253) 265,6911 (Gig Harbor)
Address: #11 Raft Island DR NW, Gig Harbor, WA 98335
Relationship to Permit Holder: Owner

3. SOURCE

PRIEST LAKE

TRIBUTARY

PRIEST RIVER

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:

PRIEST LAKE L1 SE1/4NE1/4 Sec. 9, Twp 61N, Rge 04W, B.M.
BONNER County 48° 39' 19.7 North 116° 51' 07.6 West

Method of Determination: GPS (Garmin)
U.S.G.S. 7.5 Quadrangle 'Priest Lake NE'

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
61N	04W	9				X													
						L1													

Method of Determination:

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

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4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
724343	NA	3/4	NA	sold by R.C. Worst Coeur d'Alene	(A.Y. McDonald) Model 23075L3LB c/d Rated at 136PM

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Bucket	NA	NA	NA	NA	5 GAL	NA
Wrist watch	-	Remington	NA	NA	NA	NA

2. Measurements: 2 spigots attached to house run simultaneously and measured in marked 5 Gallon Bucket. Each yielded 5 gallons in 50 seconds. A third spigot measured independently also measured 5 gallons in 50 seconds.

$$\frac{15 \text{ GAL}}{50 \text{ SEC}} \times \frac{1.2}{1.2} = \frac{60 \text{ SEC}}{18 \text{ GAL}} = 18 \text{ GPM} = .04 \text{ CFS}$$

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT No. 97-7471						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	0.75	77.82313	0.7	20	25
Q =	0.059 cfs		26.7 gpm			

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F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$
$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$
$$V = \text{Smaller of } V_{LR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses:

2. Volume Calculations for Other Uses: Domestic with less than 1/2 acre irrigated

AF .6 Domestic
AF .6 Irrigation
1.2 AF

G. NARRATIVE/REMARKS/COMMENTS

I asked the applicant to provide a copy of the property deed when I met him for the Field Exam. Upon review after the Field Exam I discovered that the correct Government Lot Number is as shown on the deed. The correct Government Lot is Govt Lot 1 instead of the Govt Lot 3 shown on the Permit application. The Point of Diversion (POD) and Point of Use (POU) both lie within Government Lot 1 S.9 T61N R04W, B.M.. and the remainder of the permit application POD and POU legal description is correct.

The system uses a .75 Horsepower submersible pump in Priest Lake to provide domestic water for a home located 20 feet above lake level. Two of three spigots on the exterior of the home were turned on and output measured simultaneously at 5 gallons each in 50 seconds (6.2 GPM). The third spigot also yielded this amount. of 6.2 GPM when tested.

The theoretical calculation using the installed pump horsepower and the measured amount confirm that the .04 CFS on the application is correct.

Irrigation around the home is less than 1/2 acre.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.040 CFS	1.20 AF
	Totals:	0.040 CFS	1.20 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 _____

Date _____

8/13/08

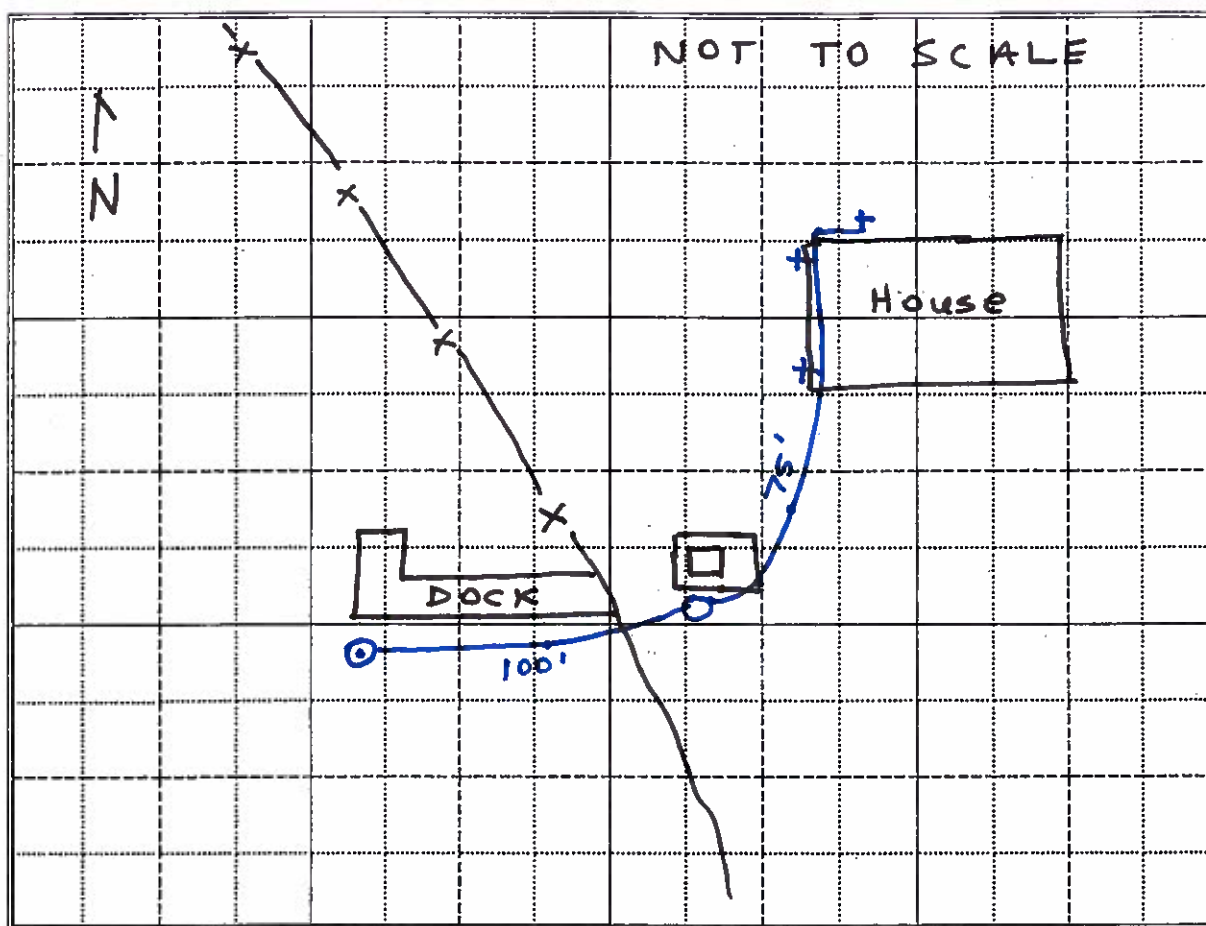
Reviewer

Date _____

9/4/8

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



—x—x— Shoreline

□ House

▣ Boat House

○ Pressure Tank

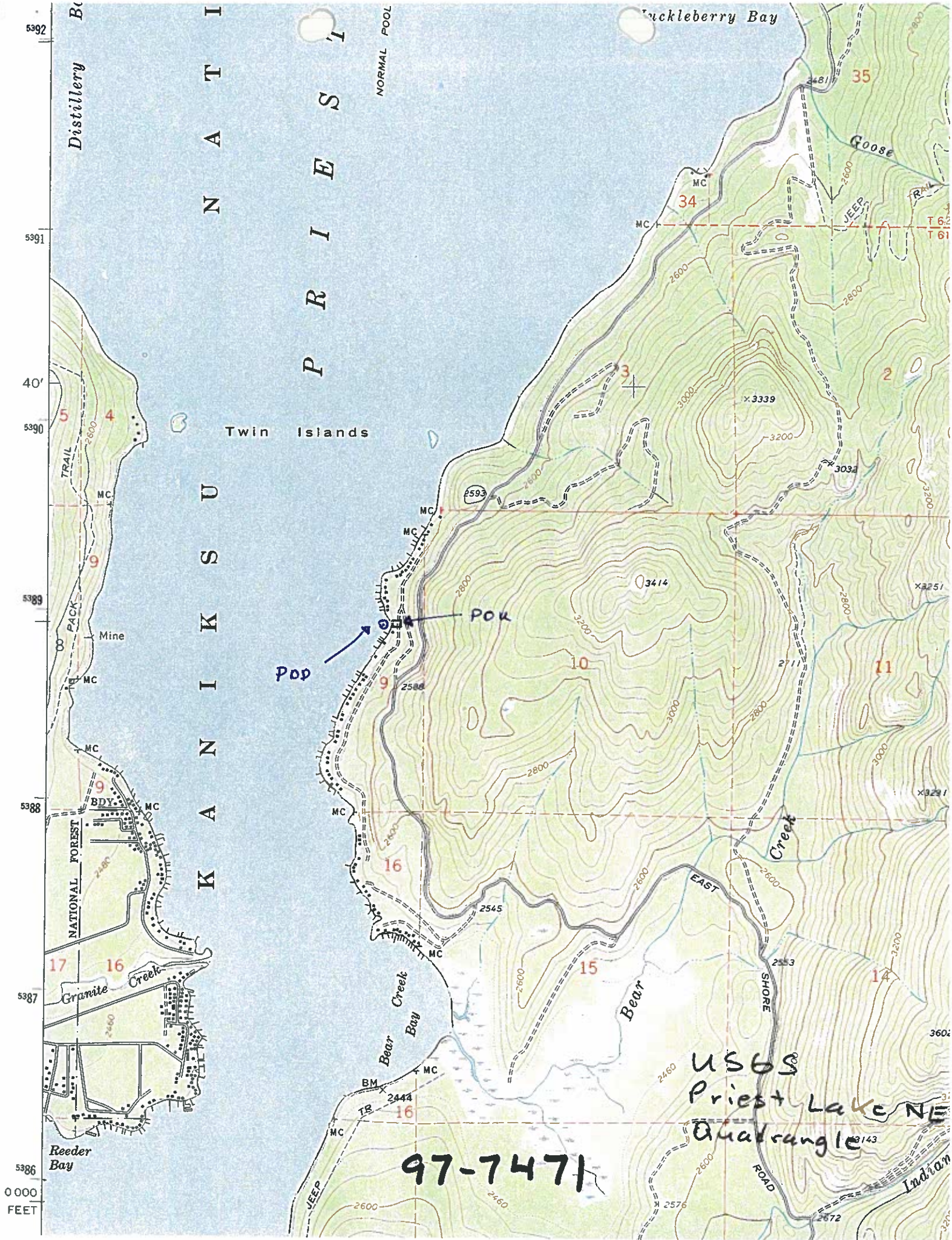
⊙ Pump in Lake

— Water Line

+ Spigot

└ Dock

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Bureau of Land Management - General Land Office Records



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Original Survey • Twp 61N-4W, ID, Boise (East boundary and Subdiv. Lines)

[Survey Details](#) [Plat Details](#) [Plat Image](#) [Field Note Images](#)

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BARGAIN AND SALE DEED

THIS INDENTURE made this 4th day of May, 1960, between KENNARD JONES and BURNETTE JONES, husband and wife, of Spokane, Washington, grantors, and BEN K. ASPEN and BARBARA A. ASPEN, husband and wife, of Spokane, Washington, as grantees,

WITNESSETH:

The Grantors, in consideration of the sum of Three Thousand Two Hundred Fifty and 00/100 Dollars (\$3,250.00) to them in hand paid by the grantees, receipt of which is hereby acknowledged, do by these presents grant, bargain, sell and convey unto the grantees and to their heirs and assigns forever, all that certain real property situate, lying and being in Bonner County, State of Idaho, to-wit:

Lot Nineteen (19) of Diamond Park, being a subdivision of Government Lot One (1) of Section Nine (9), Township Sixty-one (61) North, Range Four (4) West of the Boise Meridian, plat of which said subdivision was filed for record as Document No. 67742 on October 20, 1958, and recorded in Book 2 of Plats, page 46, records of Bonner County, Idaho,

together with all such lateral and repairian rights as are possessed by the grantors, TO HAVE AND TO HOLD all and singular the above mentioned and described real property unto the said grantees and to their heirs and assigns forever.

IN WITNESS WHEREOF the grantors have hereunto set their hands and seals the day and year first above written.

Kennard Jones
Burnette L. Jones

STATE OF WASHINGTON)
County of Spokane) ss.

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On this 4th day of May, 1960, before me the undersigned, a Notary Public in and for the State of Washington, personally appeared Kennard Jones and Burnette Jones, husband and wife, of Spokane, Washington, known to me to be the persons whose names are subscribed to the foregoing instrument and each duly



FILED IN 1960 MAY 11 AM 11:00
COUNTY OF BONNER
IDAHO
RECEIVED OF
COUNTY CLERK
BONNER COUNTY
IDAHO
98

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97-7471 POD from Priest
Lake & Pressure Tank.JPG



97-7471 Water Flow from
Preist Lake .JPG



97-7471 Water flow test at
POU.JPG

97-7471



97-7471 POD from Priest Lake & Pressure Tank



97-7471 Water Flow test at POU

97-7471



97-7471 Water Flow From Priest Lake

97-7471