

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 97-7586
Exam Date: 08/08/2024

1. Current Owner:
GRANDVIEW ESTATES LLC 1413 E HAWTHORNE RD SPOKANE WA 99218-3100
2. Accompanied by: VINCE WILSON
Phone No: (253) 325-3428
Address: 3492 REEDER BAY RD, NORDMAN, ID 83838
Relationship to permit Holder: PROPERTY MANAGER

3. SOURCE:
PRIEST LAKE

Tributary
PRIEST RIVER

Method of Determination: ArcMap and DRG.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
97-7009	GROUND WATER	DOMESTIC	CLAIM ON LICENSE
97-7564	PRIEST LAKE	IRRIGATION	LAPSED PERMIT
97-7565	GROUND WATER	DOMESTIC	LAPSED PERMIT

Comments:

Licensed Right 97-7009 uses a separate water source, authorizing domestic use for 55 homes in the SE¼SE¼, Gov Lot 1, Section 17 for Murray Acres HOA. Basin 97 is currently being adjudicated by IDWR & the State of Idaho Courts. Based on the Permit's place of use and the separate water source & conveyance systems, there is no concern for overlap between rights 97-7586 & 97-7009.

There are 2 permits for the same place of use, 97-7564 & 97-7565, both of which have lapsed. These share the same place of use but have different points of diversion and uses. There is no overlap concern with these water rights.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
97-7126	PRIEST LAKE	DOMESTIC	LICENSE (NO CLAIM FILED)

Licensed Right 97-7126 uses Priest Lake for domestic use for 1 home, 29 recreational units and a restaurant. The source is the same but the points of diversion and places of use are separate. Based on the separation of the conveyance systems, there is no overlap between rights 97-7126 & 97-7586.

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

PRIEST LAKE NE¼ NE¼, Sec. 20, Twp 61N, Rge 04W, B.M. BONNER County

Method of Determination: GPS. POD is located at -116°52.75086, 48°37.92744.

PLACE OF USE: FIRE PROTECTION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
61N	04W	17																X	
61N	04W	17																X L1	

Method of Determination: Beneficial use field examination & ArcMap aerial imagery.

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

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
CENTRIFUGAL PUMP	PIONEER PUMP			PP64C17L71	4" DISCHARGE

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No Measurement could be taken. The pipe is completely buried. The system is for fire suppression and could not be tested for flow rates.

E. FLOW CALCULATIONS

Measured Method: I used the Pioneer pump specifications which showed the flow rate for best efficiency point is 865 gpm and this water right is for 601 gpm. The pump is more than capable of meeting the flow rate assigned to the water right. The water right is only approved for fighting fires.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

2. Volume Calculations for Other Uses: Fire protection use is available throughout the entirety of Grand View Estates and no diversion volume is associated with this beneficial use; the 1.34 cfs diversion rate for fire protection is being recommended for licensing.

G. NARRATIVE/REMARKS/COMMENTS

Beneficial use field exam conducted on 8/8/24 with the applicant's representative, Vince Wilson – Property Manager, showed evidence that surface water can be diverted from Priest Lake for fire protection use at Grand View Estates. At the

POD, water is conveyed by buried pipeline coming into the pump house from the lake. A GPS point was taken at the lake side of the pump house due to not being able to observe where the line goes. The applicant's system has a Pioneer Pump, Model #PP64C17L71-E0311 which has a max flow rate of 1700 gpm but a Best Efficiency Point flow of 865 gpm. There are no storage tanks in this system. The control panel was Controls Incorporated MVP Series but the Mr. Wilson did not know how to read the equipment. He does know how to activate the fire suppression system though. The pump is turned on with no water flow once a week on Wednesday mornings for 10 minutes to ensure the system is in working order.

The Fire Protection Place of Use (POU) includes 3 fire hydrants and fire hose containers. Fire protection use is readily available throughout the entirety of the applicant's property and no diversion volume is associated with this beneficial use; the 1.34 cfs diversion rate for fire protection is being recommended for licensing.

The approved permit shows POD within the NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 20, Twp 61 North, Range 04W West. I could not determine where the line leads out from the pump house because it is completely buried. Therefore, I do not have evidence to change the POD from the permit. The Lat/Long is actually in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ on ArcMap which could be due to shift in our mapping program. As such, I have left the POD as it was permitted.

I removed condition 227 from the Permit during licensing review. I did not find any overlap concerns with Water Right #97-7009, 97-7126, 97-7564, or 97-7565. All conditions of the permit shall be carried forward to licensing.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	
FIRE PROTECTION	01/01 to 12/31	1.34 CFS	

Totals: 1.34 CFS

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 Tammy Alleman - Water Resource Agent

Field Examiner's Name Tammy Alle Date 2/5/2025

Reviewer Chase Biel Date 2/9/2025

97-7586



Point of Diversion & Pump House





Pump House Equipment , Intake line and Pump Model





Latitude & Longitude and Controls Inc MVP Series



Fire Suppression System (3 Stations)





Fire Suppression System (3 Stations, Continued)





Grandview Estates



PIONEER PUMP SPECS 64C173T751700T – PP64C17L71-EO311

Clear Liquids Pump with 6 inch suction and 4 inch discharge ANSI Flange connections. 17 inch impeller with 1 inch solid handling capability. Ductile Iron w/ CA6NM Impeller construction, SAE 3 with 11 inch coupling configuration. Vacuum-Assisted Priming.

Item: 64C173T751700T

Model: PP64C17L71-EO311

BEP Head - 1,800 rpm	289 ft / 88.09 m
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Max. Flow Rate - 60 Hz	1700 gpm / 386.11 m ³ /h
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BEP Flow Rate - 1,800 rpm	865 gpm / 196.46 m ³ /h
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Max. Head - 60 Hz	525 ft / 160.02 m
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Max. Solid Handling Size	1 " / 2.54 cm
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Best Efficiency Point - 60 Hz	63 %
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Maximum Operating Speed	2200 rpm
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Dimensions

Discharge Type	Flat Face Flange - ANSI 150
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Discharge	4 "
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Impeller Dia.	17 " / 432 mm
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Suction	6 "
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Suction Type	Flat Faced Flange - ANSI 150
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