

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17276
Exam Date: 09/15/2022

1. Current Owner:

GREGORY BRUNS 2707 S EVERGREEN LN COEUR D ALENE ID 83814-6878 AND
ROBYN BRUNS 2707 S EVERGREEN LN COEUR D ALENE ID 83814-6878 AND
KAREN L WATTS 2617 S EVERGREEN LN COEUR D ALENE ID 83814 AND
COLLEEN PAIGE WALLEY 805 E SEATTLE AVE ELLENSBURG WA 98926

2. Accompanied by: Mike Martin

Phone No: 208-699-3359

Address: 2571 S Evergreen Ln, Coeur D'Alene ID 83814

Relationship to permit Holder: Representative

3. **SOURCE:**

COEUR D ALENE LAKE

Tributary

SPOKANE RIVER

Method of Determination: ArcMap and DRG.**B. OVERLAP REVIEW**

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

YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-13364	Coeur D Alene Lake	Domestic	Decreed
95-14334	Groundwater	Domestic	Decreed
95-15125	Groundwater	Domestic	License

Comments:

- 95-13364 authorizes domestic use for 1 home which includes ½ ac irrigation. 95-13364 is associated with Parcel 04320001005A, which is a double lot (Lot 5 Blk 1 Lot 4 Blk 2). The irrigation beneficial use recommended under permit 95-17276 is part of the double parcel not directly overlapped by 95-13364.
- 95-14334 authorizes domestic use for 2 homes from a groundwater well that is separate from this Permit's water system. Direct overlap occurs for the domestic use of 1 home in Lot 3-4 Blk 1 – parcel No. 04320001003A.
- 95-15125 as licensed authorizes domestic water use from a groundwater well that co-mingles in common water system infrastructure with this permit and serves domestic water with ½ ac irrigation included for Lot 3-4 Blk 1 and Lot 5 Blk 1 Lot 4 Blk 2 as described above. Permit 95-17276 is catching up the surface water source portion of the common water system serving domestic and irrigation uses.
- Condition X35 has been added to Permit 95-17276 during licensing review along with the water rights listed below in POD overlap which describe the combined use limits for the water system(s) that serve the Kildow Subdivision parcels water usage at time of licensing.

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

YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-11405	Coeur D Alene Lake	Domestic	License
95-11447	Coeur D Alene Lake	Domestic	License
95-11478	Coeur D Alene Lake	Domestic	License
95-15124	Coeur D Alene Lake	Domestic	Decreed
95-17124	Coeur D Alene Lake	Domestic	License

Comments:

- The 5 WRs listed above share the same POD and water conveyance system as Permit 95-17276. Condition F06 has been carried forward to licensing.
- Condition X35 has been added to Permit 95-17276 during licensing review along with the water rights listed above in POU overlap which describe the combined use limits for the water system(s) that serve the Kildow Subdivision parcels water usage at time of licensing.

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

COEUR D'ALENE LAKE L3 (SW¼ SE¼), Sec. 29, Twp 50N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS; POD(s) is a lake water intake pipe extending perpendicular to the shoreline at approximately -116°43.914, 47°38.753. Intake crosses beneath the roadway to a red pump station below the primary driveway to POU.

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	03W	29									1.0 L3								1.0

Total Acres: 1.0

PLACE OF USE: DOMESTIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	03W	29									X L3								

Method of Determination: Beneficial use field examination, Arcmap aerial imagery, Google Earth, and Kootenai County tax parcel maps.

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	PENTEK	2	196553	BERKELEY	1 ¼ INCH DISCHARGE

D. FLOW MEASUREMENTS

1.

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

2. Measurements: Unable to perform flow measurements due to inadequate pipe requirements. Intake pipe from lake to pump diversion wasn't compatible with attaching the ultrasonic flowmeter mounting fixture. I evaluated Pump manufacturer specification and pump curves and derived a flow rate of 37-38 gpm, or 0.09 cfs considering department rounding standards.

E. FLOW CALCULATIONS

X Additional Computation Sheets Attached

Measured Method: I acquired gps elevation readings at the lakefront pump station and uphill at the community storage reservoir where water pumps directly into. An additional 10 ft of elevation is added accounting for lift from the lake's intake to first pump station. The total elevation gain equals 115-125 ft, and the pump performance curve for the 2 hp Berkeley pump / Pentek motor equals 37-38 gpm or 0.09 cfs using 38 gpm and department rounding standards.

- The domestic beneficial use diversion rate for 1 home = **0.04 cfs**.
- The irrigation beneficial use diversion rate for 1.0 acres = **0.03 cfs**.
- The maximum diversion rate recommended for licensing equals **0.07 cfs**.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.0 \text{ ac} \times 0.03 \text{ cfs} = 3.0 \text{ af}$$

$$V_{D.R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \text{ cfs} \times 246 \text{ days} \times 1.9835 = 14.6$$

$$V = \text{Smaller of } V_{I.R} \text{ and } V_{D.R} = \mathbf{3.0 \text{ af}}$$

2. Volume Calculations for Other Uses: Domestic annual volume equals 1 home x 0.6 af (in-home use only) = **0.6 af**. The Maximum diversion volume equals 3.0 af (irrigation) + 0.6 af (domestic) = **3.6 af**.

G. NARRATIVE/REMARKS/COMMENTS

The beneficial use field exam completed on 9/15/2022 with the applicant(s) representative, Mike Martin, showed the applicant diverts Coeur D'Alene Lake water for domestic and irrigation purposes. The permit authorized development of 5 homes and up to 3 acres irrigation 5 lots (domestic) and 7 lots (irrigation) within the Kildow Subdivision. During licensing review, I evaluated the 7 lots total for overlap and have removed four out of five homes from the permit covered by separate surface water rights previously licensed/decreed. Additionally, I removed four out of seven parcels associated with irrigation beneficial use from the permit: parcel RP50N03W297950 was determined to not be associated with the water system, and Lot 1 EX; Lot 1-3 Blk 1; Lot 7 Blk 1 irrigation is covered by existing domestic with ½ acre irrigation by a surface water source. These parcel's acreage negates any additional irrigation acreage for evaluation toward licensing. I've developed breakout tables (attached) that specify each parcel eligible for evaluation under the permit and my corresponding licensing recommendations.

From the screened intake in lake, the poly pipe intake routes beneath the paved roadway to a small red rectangular pump station. A 2 hp single phase Berkeley centrifugal pump matched with Pentek motor diverts water from the lake, routing upgrade to a 1,000-gal community storage reservoir. The applicant has developed the intake system to include a strait length of poly pipe as required by condition 196, but I was unable to attach the flowmeter mounting fixture due to inadequate pipe length. Mr. Martin and I gained access to the storage reservoir and operated the pump to allow observation of inflow from lake to storage reservoir; I took photographs that demonstrate the average rate of flow. I evaluated manufacturer pump specifications and pump curves which derived a maximum flow rate of 37-38 gpm or 0.09 cfs considering department standards based on 125 ft of head. 10 ft elevation change from screened intake to pump station and 115 ft elevation change from pump station to storage cistern equate to 125 ft elevation change.

Although the maximum pump discharge rate to storage cistern equals 0.09 cfs, this permit is limited to the recommended diversion rate of 0.04 cfs (domestic) + 0.03 cfs (irrigation) equaling **0.07 cfs** for licensing purposes. The excess 0.02 cfs is

accounted for in any one of the five separate water rights that share this Permit's POD. The applicant's water system co-mingles with groundwater from separate Right(s) 95-15125 & 95-17125 which authorizes a diversion rate of 0.02 cfs respectively from GW well D0061150. I will discuss the overlap in diversion rate(s) between water rights below under overlap review analysis. A small pump station is co-located with the storage reservoir, which houses the groundwater system pump controls, a booster pump used to distribute co-mingled water from the reservoir to beneficial uses and multiple pressure tanks that assist in regulating water pressure for the system which serves a total of 9 homes and associated lawn/garden irrigation.

Domestic Beneficial Use:

The permit included condition 928 that identified claims that were filed in the CSRBA which if decreed will result in Permit 95-17276 being diminished to avoid redundancy. Rights 95-13364 (1 home) & 95-15124 (3 homes) have been decreed at time of licensing review for this permit, and I've removed the domestic uses associated with Lt 1 EX, Lt 1-3 Blk 1, Lt 5 Blk 1 Lt 4 Blk 2 (double lot), and Lt 7 Blk 1. Once these for were removed, only one home was left that is eligible for evaluation toward licensing. I took photographs of the home with garage located on Lt 3-4 Blk 1 and during licensing review I used ArcMap to designate the Domestic POU for parcel 04320001003A. The domestic annual volume recommended for licensing equals **0.6 af** for in-home use only, as irrigation is covered under a separate beneficial use on the permit.

Irrigation Beneficial Use:

Once I evaluated each parcel eligible for irrigation under the Permit, and removed those with existing surface water rights, I identified three parcels with active irrigation I'm able to recommend for licensing. Field maps were used as Mr. Martin and I walked the irrigation POU, and photographs were taken to illustrate irrigation uses. I observed the following irrigation by parcel:

- Lt 3-4 Blk 1: this is a 0.6 ac parcel, and once the home and garage were excluded from the trace out using ArcMap, I derived a 0.39 ac = 0.4 ac irrigation plot from hose bibs and portable sprinklers for lawn space. There is a minor portion of the parcel on the down hill slope that isn't irrigated as observed by aerial imagery.
- Lt 5 Blk 1 Lt 4 Blk 2: this double lot has prior surface right 95-13364 which authorizes domestic use for the home and up to ½ acre irrigation. Right 95-13364 is primarily associated with Lt 5 Blk 1, and I've evaluated 0.31 acres, or 0.3 ac (rounding standards applied) associated with Lt 4 Blk 2 that add to the ½ ac irrigation already authorized. I used ArcMap aerial imagery to trace out the POU shape, which includes sloped ground watered for berry bushes above the garage frontage located near the roadway.
- Lt 6 Blk 1: The property owners had not developed the lot for domestic use, but Mr. Martin asserts the parcel is actively irrigated by the owners who reside at Lt 7 Blk 1 to keep the landscape green and reduce fire hazards. I observed pressurized sprinklers on the parcel for use, and I used ArcMap aerial imagery to trace out the irrigation acreage equaling 0.3 acres.

The combined irrigation acreage POU equals 1.0 acres considering department rounding standards and I'm recommending an annual volume of **3.0 af** based on department standards. The maximum diversion volume recommended for licensing equals 0.6 af (domestic) + 3.0 af (irrigation) = **3.6 af**.

Overlap Analysis:

Kildow Subdivision in total has 18 parcels, of which 5 have not been developed. Of the remaining 13 parcels, there are potentially three water systems that serve domestic and/or irrigation uses. I have attached an Excel document – Kildow Subdivision Water Right Listing, that shows the water rights by parcel. The fact that the primary water system used by the subdivision co-mingles groundwater and surface water (CDA Lake water) makes overlap analysis a little challenging but I've detailed them below:

- GW Right's 95-15125 and 95-17125 beneficial use field report narrative identify well D0061150 as the same POD between rights. Note: I didn't include 95-17125 on PG 1 as the POU for domestic use is associated with Lt 8-9 Blk 1, which is not part of this Permit's domestic or irrigation POU. However, as 95-17125's well source co-mingles with this Permit's surface source it should be designated in combined use limits for licensing purposes.
- GW Right 95-14334 was filed as Notice of Claim and covers domestic use for Lt 1-3 Blk 1 and Lt 3-4 Blk 1. This is a separate well source that does not co-mingle with this Permit's water system, but there is direct overlap associated with the domestic use for Lt 3-4 Blk 1. When licensed, right 95-15125 includes condition X35 which assigns a total maximum diversion volume of 9.6 af for 8 homes, and includes 95-14334.
- Surface water Rights 95-13364, 95-11405, 95-11447, 95-11478, 95-15124, and 95-17124 all share the same POD or serve the same POU for domestic water uses and I'm including them for overlap based on diversion rates and homes served.
- I have determined that at time of exam and subsequent licensing, 9 homes and their associated parcels were developed for domestic use and/or irrigation use. I've constructed condition X35 based on these nine homes and associated diversion rates, but due to 95-13364, 95-14334, and 95-15124 being decreed only with diversion rate and no max diversion volume on the face of the decree I'm unable to assign a combined use annual volume.
- I've revised condition X35 from the permit during licensing review to state that: **Rights 95-11405, 95-11447, 95-11478, 95-13364, 95-14334, 95-15124, 95-15125, 95-17124, 95-17125, and 95-17276 when combined shall not exceed a total diversion rate of 0.15 cfs, a total domestic water use for 9 homes, and the irrigation of 1.0 acres.**
 - Diversion rate breakdown: 0.09 cfs = surface right(s) pump performance found at time of exam. Sufficient to meet all surface source rights but limiting all to the pump's performance. 0.02 cfs = GW rights 95-15125 & 95-17125 well pump performance. 0.04 cfs = GW right 95-14334 separate groundwater system.
 - Total diversion rate equals 0.09 cfs + 0.02 cfs + 0.04 cfs = 0.15 cfs. This is below the department standard for 9 homes (0.14 cfs) + 1 acre irrigation (0.03 cfs) = 0.17 cfs, but the Right holder(s) are limited to pump performance found at time of exam for the surface water right(s) collective use.

During licensing I made changes to the following conditions:

- Removed condition 26A based on compliance by the permit holders.
- Revised condition X35.
- Removed condition 928, both rights 95-13364 & 95-15124 having been recommended for decree, I've removed all redundancies between these rights and this permit.
- Revised condition X60 to accurately describe the POU based on parcel(s) associated with license recommendations for domestic and irrigation.
- Revised condition 132 to state domestic use for 1 home vice the 5 homes on the Permit.

All other conditions on the Permit shall be carried forward to licensing. Aside from the overlap discussed above, there are no additional overlap considerations toward licensing this water right.

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>	<u>Annual Volume</u>
IRRIGATION	03/15 to 11/15	0.03 CFS	3.0 AF
DOMESTIC	01/01 to 12/31	0.04 CFS	0.6 AF

Totals: 0.07 CFS 3.6 AF

2. Recommended Amendments

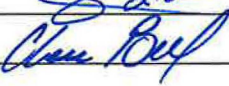
_____ Change P.D. as reflected above _____ Add P.D. as reflected above X None

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

I. AUTHENTICATION

Luke Bates -

Field Examiner's Name  Date 2/5/2024

Reviewer  Date 2/3/2025

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-17276

This map depicts the DOMESTIC system diagram.



- Place Of Use Boundary
- Townships
- PLS Sections
- Quarter Quarters
- Point of Diversion
- Taxlots

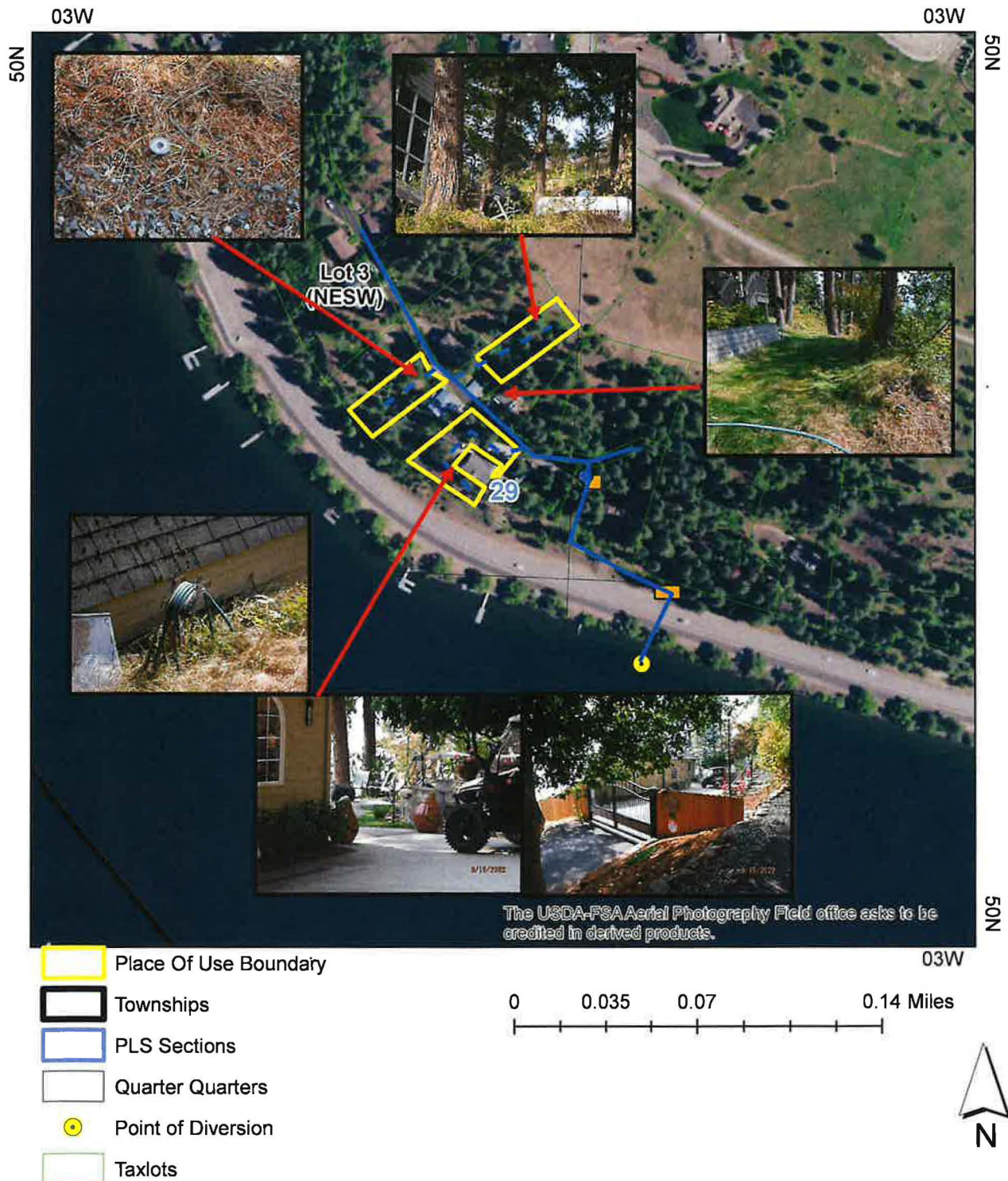
0 0.035 0.07 0.14 Miles



The USDA-FSA Aerial Photography Field office asks to be credited in derived products.

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-17276

This map depicts the IRRIGATION system diagram.



Licensing Review - Water Right Analysis For 95-17276								
LOT DESIGNATION (KILDOW SUB.)	PARCEL SIZE (ACRES)	GROUND WATER	GW DOMESTIC	GW 1/2 ACRE	SURFACE WATER	SUR WATER DOMESTIC	SUR WATER DOMESTIC 1/2 ACRE	SURFACE WATER IRRIGATION
LT 1 EX	0.8	Y	95-15125	95-15125	Y	95-15124	Y	NO ADDITIONAL RECOMMENDED
LT 1-3, BLK 1	0.5	Y **	95-15125 95-14334 V1	95-15125 95-14334 V1	Y	95-15124	Y	NO ADDITIONAL RECOMMENDED
LT 3-4, BLK1	0.6	Y **	95-15125 95-14334 V1	95-15125 95-14334 V1	Y	PERMIT 95-17276	N	PERMIT 95-17276 - 0.39 AC
LT 5 BLK 1	0.3							
LT4 BLK 2	0.5	Y	95-15125	95-15125	Y*	95-13364	Y	PERMIT 95-17276 - 0.31 AC
LT 6, BLK 1***	0.8	N	N	N	Y	N	N	PERMIT 95-17276 - 0.32 AC
LT 7, BLK 1	0.3	95-15125	95-15125	95-15125	Y	95-12124	Y	NO ADDITIONAL RECOMMENDED
RP50N03W297950	2.3	APPLICANT'S REPRESENTATIVE ASSERTS THIS PARCEL IS NOT ASSOCIATED WITH THE WATER SYSTEM						

NOTES:

* LT 5 BLK1 & LT 4 BLK 2 ARE A DOUBLE PARCEL RP04320001005A - Irrigation recommended for Lot 4 Blk 2 only.
** LT 1-3 BLK1 & LT 3-4 BLK 1 HAVE AN ACTIVE LICENSE AND A DECREED RIGHT COVERING WATER USE FROM GROUNDWATER SOURCE
*** LT 6, BLK1 IS ONE OF TWO PARCELS OWNED BY THE SAME PARTY; NO DOMESTIC DEVELOPMENT INTENDED BUT THEY DO IRRIGATE

1. PARCEL RP50N03W297950 WAS PERMIT APPROVED FOR IRRIGATION DEVELOPMENT, BUT IS NOT PART OF THE KILDOW SUB. NOR PART OF THE SURFACE WATER SYSTEM ASSOCIATED WITH THIS WATER RIGHT.

KILDOW SUBDIVISION WATER RIGHT LISTING

LOT #	GROUND WATER	GW DOMESTIC	GW 1/2 ACRE	SURFACE WATER	SUR WATER DOMESTIC	SUR WATER DOMESTIC 1/2 ACRE	SURFACE WATER IRRIGATION
LT 1 EX	Y	95-15125	95-15125	Y	95-15124	Y	N
LT 1-3, BLK 1	Y	95-15125 95-14334 V1	95-15125 95-14334 V1	Y	95-15124	Y	N
LT 3-4, BLK1	Y	95-15125 95-14334 V1	95-15125 95-14334 V1	Y	95-17276	N	95-17276
LT 5, BLK 1							95-17276 (for LT 4 only)
LT 4, BLK 2	Y	95-15125	95-15125	Y	95-13364	Y	
LT 6, BLK 1	N	N	N	Y	N	N	95-17276
LT 7, BLK 1	Y	95-15125	95-15125	Y	95-15124	Y	N
LT 8-9, BLK 1	Y	95-17125	95-17125	Y	95-17124	Y	N
LT 10, BLK 1	Y	95-15125	95-15125	Y	95-11478	Y	N
LT 11-13, BLK 1							
LT 14, BLK 1							
LT 1, BLK 2				Y	N	95-11405	N
LT 2, BLK 2				Y	N	95-11405	N
LT 3, BLK 2	Y	95-15125	95-15125	Y	95-11405	Y	N
LT 5-6, BLK 2	Y	95-15125	95-15125	Y	95-11447	Y	N
LT 7-8, BLK 2							
LT 9, BLK 2	Y	95-15125	95-15125				
LT 10, BLK 2							
LT 11, BLK 2							

GREY HIGHLIGHTED CELLS REPRESENT PARCELS WITHOUT DEVELOPMENT OR RECORDED WATER RIGHTS.

RED TEXT WATER RIGHTS = CO-MINGLED WATER SYSTEM (GW & Lake water mix in 1,000 gal cistern prior to distribution)

Right 95-11405 covers three parcels, but authorizes domestic use with 1/2 ac irrigation included for 1 home.

KILDOW SUBDIVISION – WATER RIGHT(S) DESCRIPTION



CURRENT AS OF 9/15/2022

BERKELEY® SSHM Series Self-Priming Multi-Stage Centrifugal Pumps



The SSHM multi-stage series of sprinkler pumps delivers high-performance without priming problems and delays. The SSHM multi-stage series is designed for minimal electrical consumption and quiet operation from the professional grade motor. The new SSHM multi-stage series offers first-in-class priming capabilities of up to 20 foot lifts!

APPLICATIONS

- Residential and commercial turf irrigation
- Residential water systems
- Shower and washing systems
- Water transfer
- Heating and air conditioning systems
- Water features and fountains

ORDERING INFORMATION

Catalog Number	HP	Pipe Tapping Sizes		Motor Voltage	Approx. Wt. Lbs.
		Suction	Discharge		
B82456	2	1-1/2" NPT	1-1/4" NPT	230	95
B82639	2	1-1/2" NPT	1-1/4" NPT	230/460	95

SPECIFICATIONS

Motor Bracket and Integral Pump Base – Close-grained cast iron, 1-1/2" NPT inlet connection, stable heavy-duty design for rigid pipe and solid base mountings

Discharge – Close-grained cast iron, 1-1/4" NPT discharge connection, with easy-access drain-port for end of season draining and winterization

Impellers and Diffusers – Noryl® precision molded extra-smooth ports to maximize efficiency and performance

Outer Shell – Polished 304 stainless steel

Shaft – 303 stainless steel

Priming Valve – Special brass priming valve, patented for trouble-free operation during the initial pump priming

Mechanical Seal – High-pressure seal, carbon-ceramic seal faces, Buna-N elastomers

Heavy Duty Motor – 2 HP, single-phase, 3450RPM, 230 Volt, high-service factor, capacitor-start/capacitor-run, open-drip proof motor, rated for continuous-duty operation. 230/460 TEFC available

Maximum Inlet Pressure – 20 PSI

Maximum Discharge Pressure – 130 PSI

Maximum Operating Temperature – 120°F (49°C)

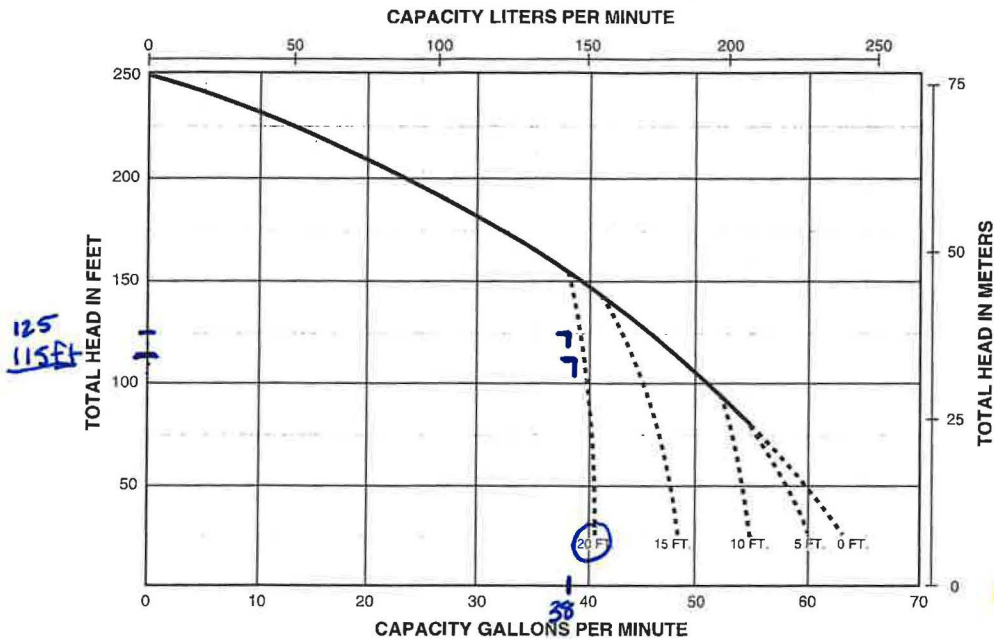
Maximum Suction Lift – 20 feet

Number of Stages – 4

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BERKELEY® SSHM Series Self-Priming Multi-Stage Centrifugal Pumps

PUMP PERFORMANCE



~ 38gpm
Pump Performance.

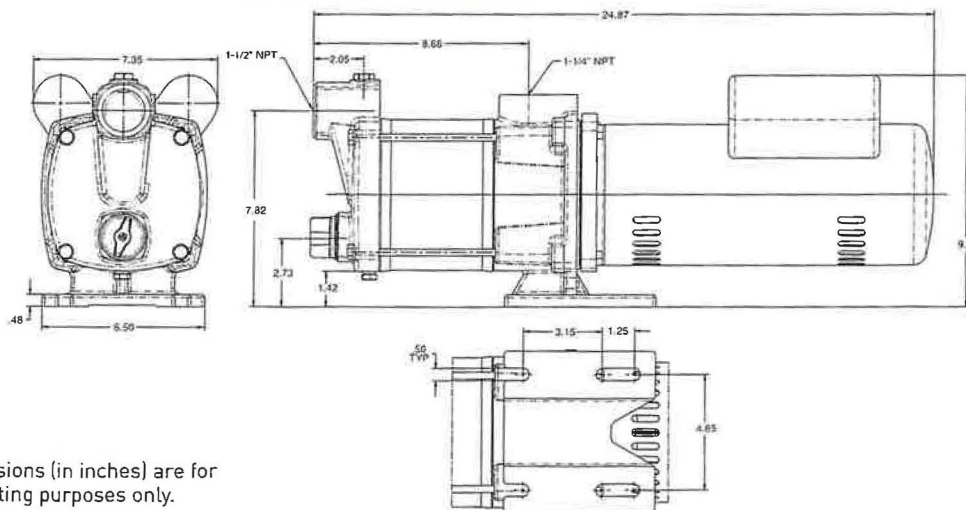
NOTE: Dotted lines indicate performance reduction at high suction lift.

PUMP PERFORMANCE (Capacity in Gallons Per Minute)

Catalog Number	HP	Discharge Pressure		Suction Lift in Feet			
		PSI	Feet Head	5'	10'	15'	20'
B82456	2	20	46	57	54	47	40
B82639		30	69	56	53	46	39
		40	92	52	50	44	39
		50	115	47	46	43	38
		60	138	43	42	41	37

37-38 gpm

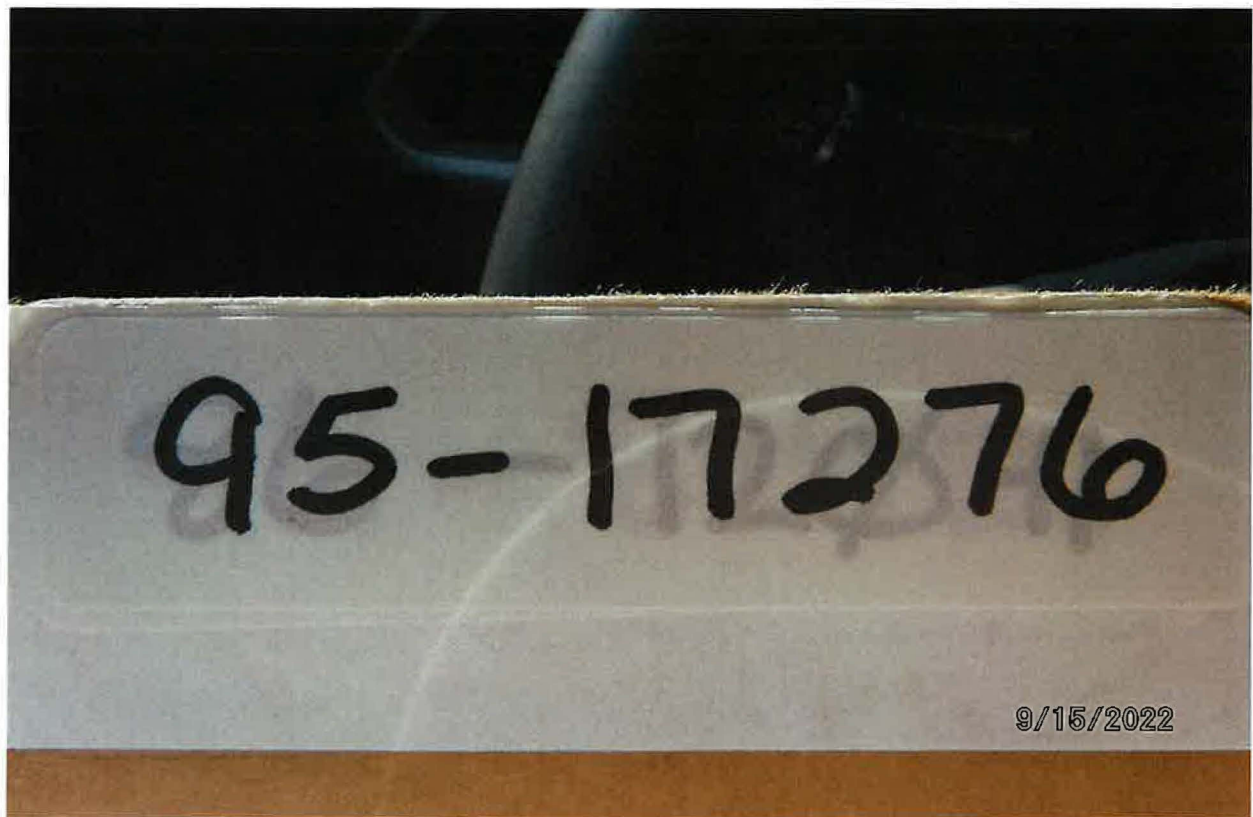
OUTLINE DIMENSIONS



Dimensions (in inches) are for estimating purposes only.



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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.



BENEFICIAL USE FIELD EXAMINATION DATE 9/15/2022



POD – SUBMERSIBLE PUMP IN LAKE COEUR D'ALENE – BURIED PIPE ROUTES BENEATH ROADWAY TO PUMPHOUSE



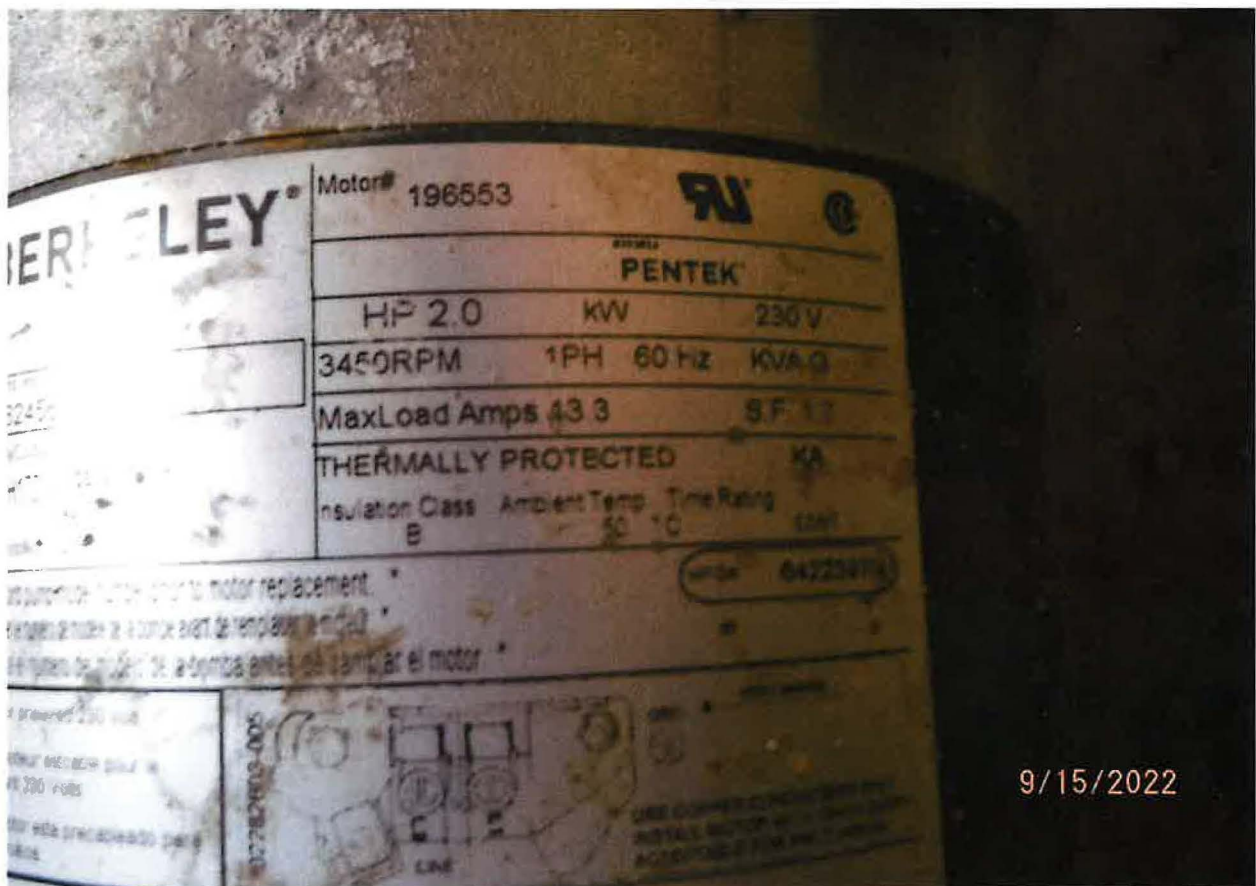
POD – PUMPHOUSE – SURFACE WATER SYSTEM FIRST DAYLIGHTS IN THIS PUMP STATION



INFLOW PIPE FROM LAKE



2 HP PUMP MOTOR, SINGLE PHASE 3,450 RPM BERKELEY PUMP WITH PENTEK MOTOR





STORAGE CISTERN – SURFACE WATER PUMPED TO THIS CISTERN WHERE IT CO-MINGLES WITH A SEPARATE WELL WATER SOURCE PRIOR TO DISTRIBUTION TO WATER USES



CO-MINGLED WATER CONVEYANCE SYSTEM – GROUNDWATER WELL PUMP HOUSE AND COMBINED USE SURFACE WATER SYSTEM



WATER SYSTEM COMPONENTS – MULTIPLE PRESSURE TANKS USED TO FACILITATE DOMESTIC & IRRIGATION USE IN SUBDIVISION.



UNABLE TO PERFORM FLOW MEASUREMENT DUE TO INADEQUATE PIPE REQUIREMENTS – OBSERVED FLOW INTO CISTERN FROM 2 HP SURFACE WATER PUMP



LT 7, BLK 1; KILDOW SUB. RP043200010070; 2617 S EVERGREEN LN; **NOT RECOMMENDED FOR LICENSING ON THIS PERMIT – COVERED UNDER SURFACE SOURCE DECREED RIGHT 95-12124.**



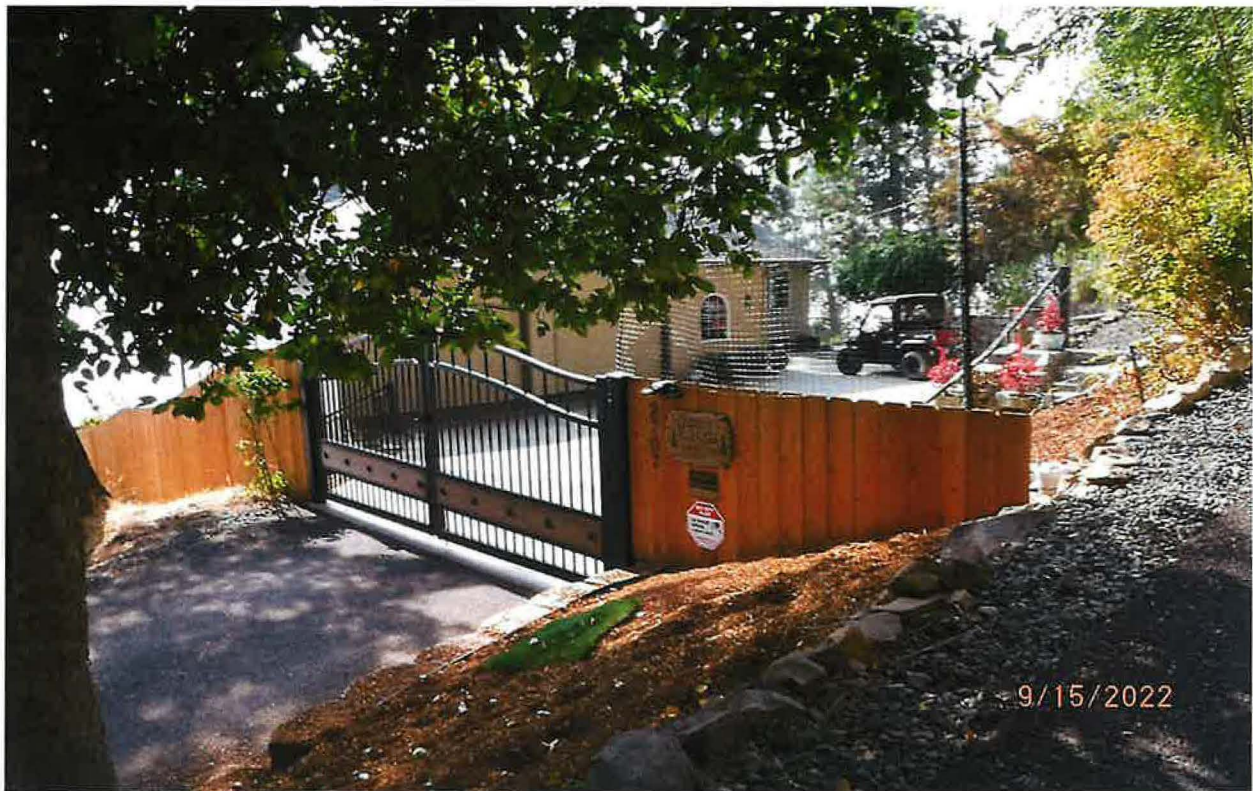
IRRIGATION POU – LT 6, BLK 1; KILDOW SUB. RP043200010060; 0.3 ACRES RECOMMENDED



LT 5, BLK 1 LT 4 BLK 2; KILDOW SUB. RP04320001005A; 2653 S EVERGREEN LN; **NOT RECOMMENDED FOR LICENSING ON THIS PERMIT** – COVERED UNDER SURFACE SOURCE DECREED RIGHT 95-13364.



LT 4, BLK 2; KILDOW SUB. RP04320001005A; 2653 S EVERGREEN LN; ROAD FRONTAGE SET UP FOR A FUTURE GARAGE; NO DOMESTIC DEVELOPMENT IN LT 4, BLK 2. BERRY BUSHES WATERED UP HILL, IRRIGATION DEVELOPMENT – 0.4 ACRES FOR LICENSING RECOMMENDATION.



DOMESTIC & IRRIGATION POU - LT 3-4, BLK 1; KILDOW SUB. RP04320001003A; 2707 S EVERGREEN LN; 1 HOME & IRRIGATION BY HOSE & SPRINKLER. RECOMMEND IN-HOME DOMESTIC USE FOR 1 HOME & SEPARATE ½ ACRE IRRIGATION FOR LICENSING



LT 1-3, BLK 1; KILDOW SUB. 2717 S EVERGREEN LN. RP04320001001A; **NOT RECOMMENDED FOR LICENSING ON THIS PERMIT** – COVERED UNDER SURFACE SOURCE DECREED RIGHT 95-12124.



LT 1 EX, BLK 1; KILDOW SUB. 2718 S EVERGREEN LN. RP04320001001B; **NOT RECOMMENDED FOR LICENSING ON THIS PERMIT** – COVERED UNDER SURFACE SOURCE DECREED RIGHT 95-12124.