

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-16962
Exam Date: 5/10/2018

1. Current Owner:
MONTY B MONTGOMERY, JENNIE L MONTGOMERY
3581 S 1425 E
WENDELL ID 83355 (208) 536-2784
2. Accompanied by: Monty Montgomery, Permit Holder and
Kent Aasa, Water Resource Agent.

3. **SOURCE:**
WASTE WATER

TRIBUTARY:
SNAKE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 36-2491, Ground Water
2. Other water rights with the same point-of-diversion: None

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

WASTE WATER L4 NW¼NW¼ Sec. 3, Twp 09S, Rge 14E, B.M. GOODING County

Method of Determination: Aerial Photography and Site Visit

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
08S	14E	33																27.0	29.0
08S	14E	34											39.0						37.0

Total Acres: 66

Method of Determination: Aerial Photography and Site Visit

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
N/A	Baldor Reliance	15	N/A	Berkeley	6"
N/A	Baldor Reliance	15	N/A	Berkeley	8"

*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
Flowmeter	Polysonic	Panametrics	PT878	272522	N/A	4/24/2018

E. FLOW

_____ Additional Computation Sheets Attached

CALCULATIONS

Measured Method:

An instantaneous measurement of the two pumps resulted in a combined pumping capacity of 518.48 gallons per minute (gpm).

1 cubic foot per second (cfs) equals 448.83 gallons per minute.
 $518.48 \text{ gpm} \div 448.83 \text{ gpm} = 1.155 \text{ cfs}$ or 1.16 cfs flow.

Recommend 1.16 cfs**F. VOLUME CALCULATIONS**

A Volume Calculation is not required for surface water used for Irrigation per Beneficial Use Rules implemented 3/29/2012.

G. NARRATIVE/REMARKS/COMMENTS

Application for Permit 36-16962 was filed on December 3, 2012 by Monty B. Montgomery. The applicant proposed to divert up to 1.32 cfs of wastewater for the irrigation of 66 acres. A Permit to Appropriate Water was issued on March 13, 2013 and proof of Beneficial Use was due on or before April 1, 2014. The applicant submitted a Request for Extension of Time for 5 years on February 19, 2014. The approved request for extension of time for permit 36-16962 extended the proof due date to April 1, 2018. On February 5, 2018 the department received a Statement of Completion for Submitting Proof of Beneficial Use from Mr. Montgomery. On May 10, 2018 Kent Aasa and I conducted a Beneficial Use Field Exam.

NARRATIVE/REMARKS/COMMENTS, CONTINUED

We were accompanied by Mr. Montgomery who showed us his diversion system which consisted of the point of diversion, pond, and two re-lift pumps for his irrigation system. The diversion system consists of a 10" pipe from the wastewater ditch over to a pond. Once the pipe and the pond are full the system maintains a state of equilibrium. All excess water above and beyond the capacity of the pond stays in the wastewater ditch. Mr. Montgomery drove us around his property and we verified that he irrigates the 66 acres with two pivots and gated pipe. This system is also connected to his ground water pumping system that allows Mr. Montgomery the flexibility of using his well (36-2491) when there isn't sufficient wastewater to fill his pond. Mr. Montgomery stated that he used his ground water occasionally on and off for a total time of approximately a month throughout the irrigation season and uses the wastewater primarily for irrigation. Kent Aasa and I conducted a measurement of his pumping capacity from his pond, as noted in the flow calculation. During our measurement the pond level remained at a steady state of equilibrium, which indicates the diversion system and pumping capacity are equal in flow. Permit 36-16962 was issued with the diversion rate of 1.32 cfs and the measurement with both pumps operating showed a flow rate of 1.16 cfs. **Therefore it is recommended to license the permit for the measured amount of 1.16 cfs.**

Note that permit 36-16962 includes a condition that indicates that the right holder shall install and maintain a measuring device and lockable controlling works of a type acceptable to the department as part of the diverting works. During our field exam we observed that no measuring device was installed, however a lockable controlling works was in place. The watermaster for 130 is willing to waive the requirement for the installation of a measuring device (see recommendation of watermaster dated 6/6/2018). However a condition should remain on the water right allowing for "upon specific notification the owner may be required to install a flow measuring device". On June 19, 2018 the applicant submitted a request for extension of time to install IDWR an approved flow meter (waiver). Therefore the license will be conditioned as recommended by the watermaster. During the licensing process, it was discovered that the point of diversion was developed in the adjacent 40 acre tract. Therefore an application for amendment was sought to change the point of diversion location. On September 25, 2018 Mr. Montgomery filed an application for amendment to change the point of diversion. The shape for this water right was created to reflect as close as possible the irrigated acres with the current GCDB shifted to the south in this area.

Have conditions of permit approval been met? X Yes ___ No

H. RECOMMENDATIONS**1. Recommended Amounts**

BENEFICIAL USE
IRRIGATION

PERIOD OF USE
03/15 to 11/15
Totals:

DIVERSION RATE
1.16 CFS
~~1.28 CFS~~

1.16 cfs P.S.

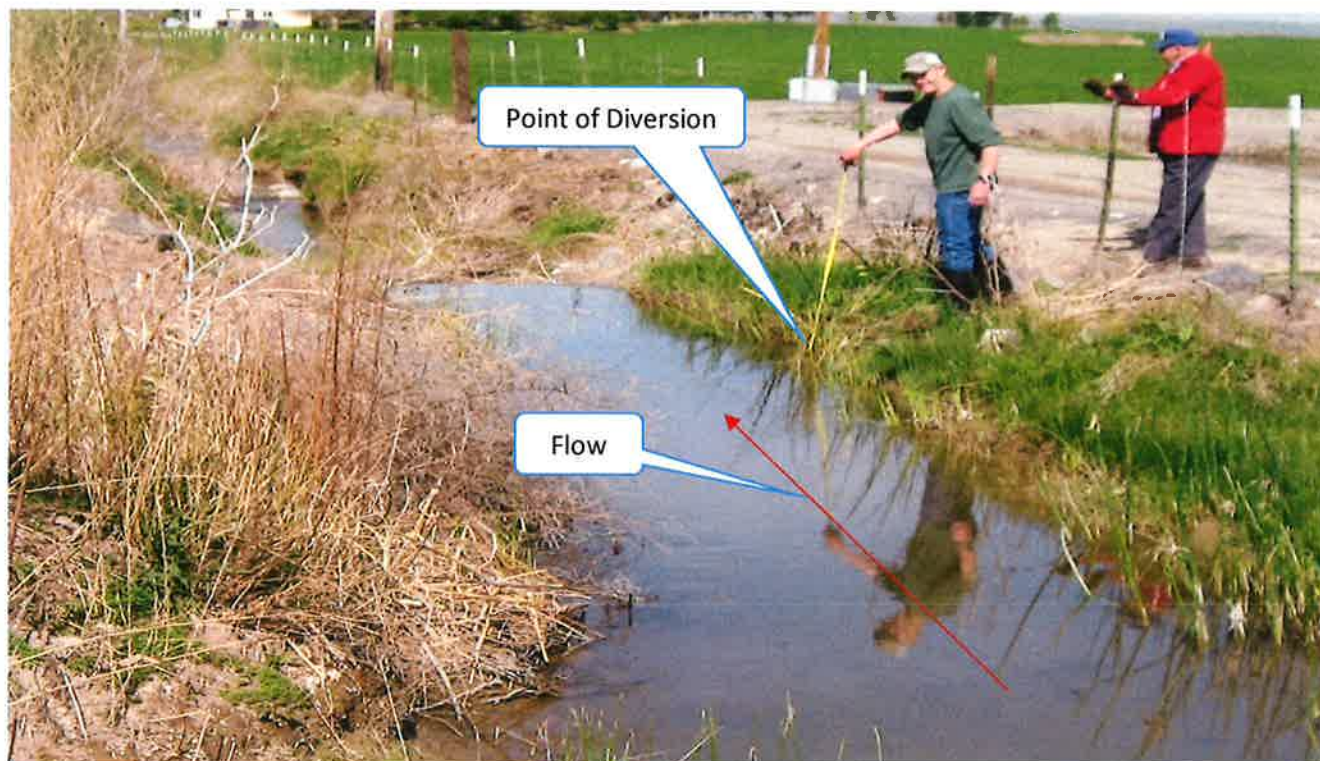
2. Recommended Amendments

X 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 ___ None

I. AUTHENTICATION

Field Examiner's Name Benjamin Walker Date 9/27/2018
Reviewer [Signature] Date 10/5/2018

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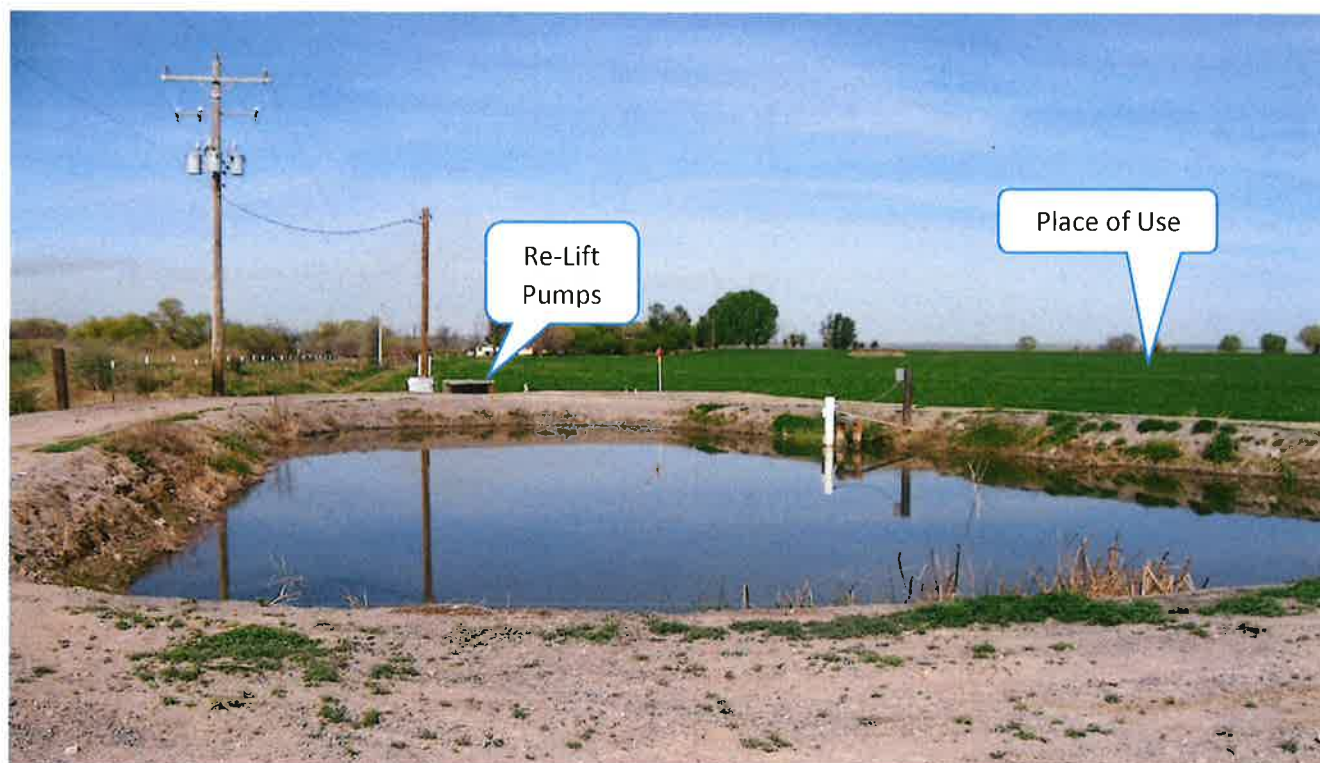


Point of Diversion from wastewater ditch

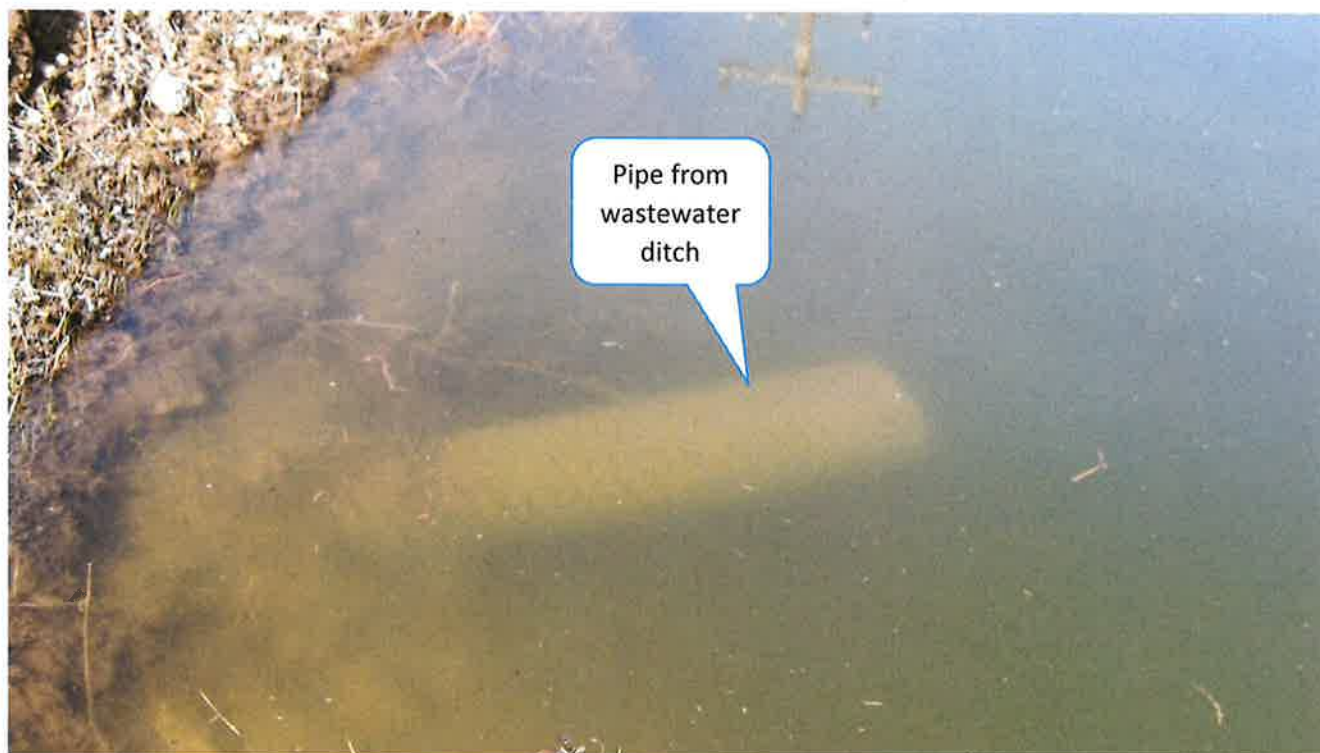


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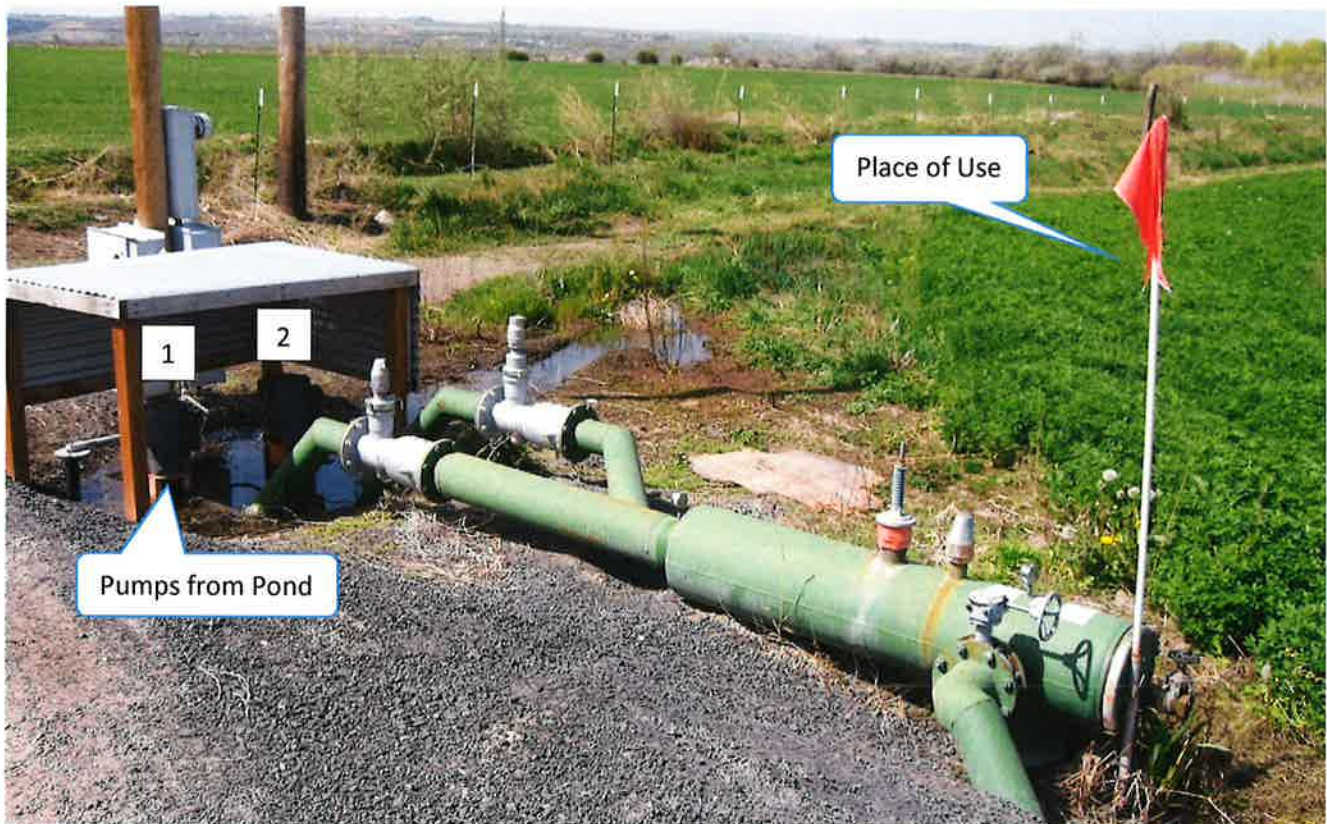


Diversion Pond with Place of Use in Background



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Re-Lift Pumps

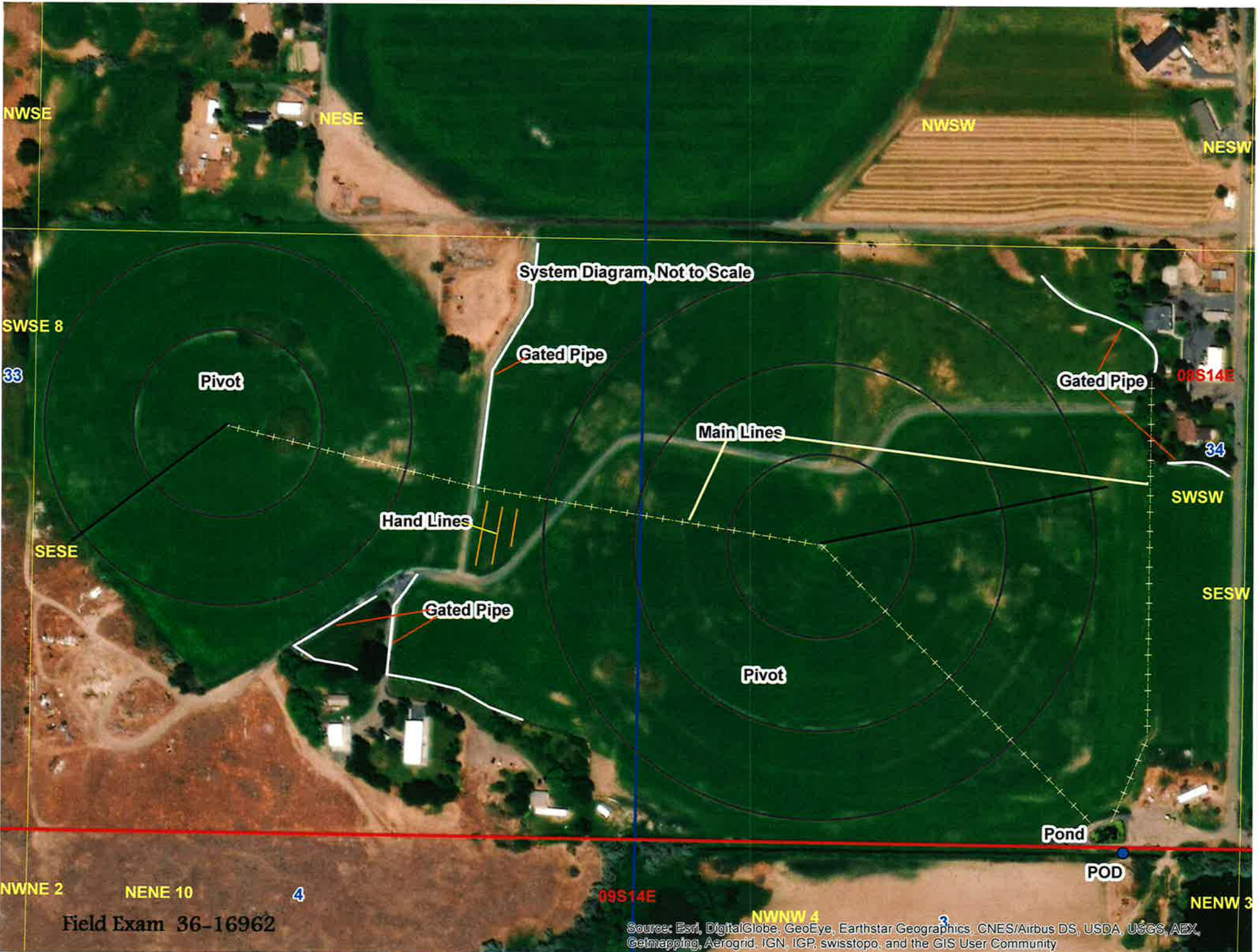
Staff Gage for Water Level



Field Exam 36-16962



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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community