

[illegible]

Method of Determination: Arc Map (Aerial Photo); Tax Lots.

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.

<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>
N/A	N/A			N/A	(6")

*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>
N/A						

2. Measurements: No Field Measurement. Dry fire hydrant not operable without fire truck and would not be able to obtain a water flow measurement due to a large 6" discharge line.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

The Meadows Valley Fire Protection District indicated that the volume of the water holding tank for the fire trucks is 4,000 gallons, and the maximum rate of diversion is 600 gpm.

$$Q = 600 \text{ gpm} = 1.33 \text{ cs} > 0.20 \text{ cfs } Q(\text{permit})$$

Appears that the fire truck pumping systems can attain the permit diversion rate of 0.20 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS**WATER SUPPLY SYSTEM:**

A 6" dry fire hydrant, located on the southeasterly bank of Mud Creek and common area Lot 99, Block 1, of the West Pine Subdivision – Phase II, provides a means for the Meadows Valley Fire Protection District fire trucks to divert water from Mud Creek. Approximately 36 lineal feet of 6" PVC suction line, with a screened intake, extends into a deep pool northeasterly of a bridge on Whispering Pines Road. The fire trucks will hook up to the dry fire hydrant to fill the fire trucks 4,000 gallon water tank for suppressing fires in the 60-lot West Pine Subdivision.

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

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.20	&/or	N/A
Beneficial Use Limit	0.20	&/or	N/A
System Measurement	1.33(Meadows Valley Fire District)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.20	&/or	N/A

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
FIRE PROTECTION	01/01 to 12/31	0.200 CFS	N/A
<u>Totals:</u>		0.200 CFS	N/A

2. Recommended Amendments

___Change P.D. as reflected above ___Add P.D. as reflected above XNone

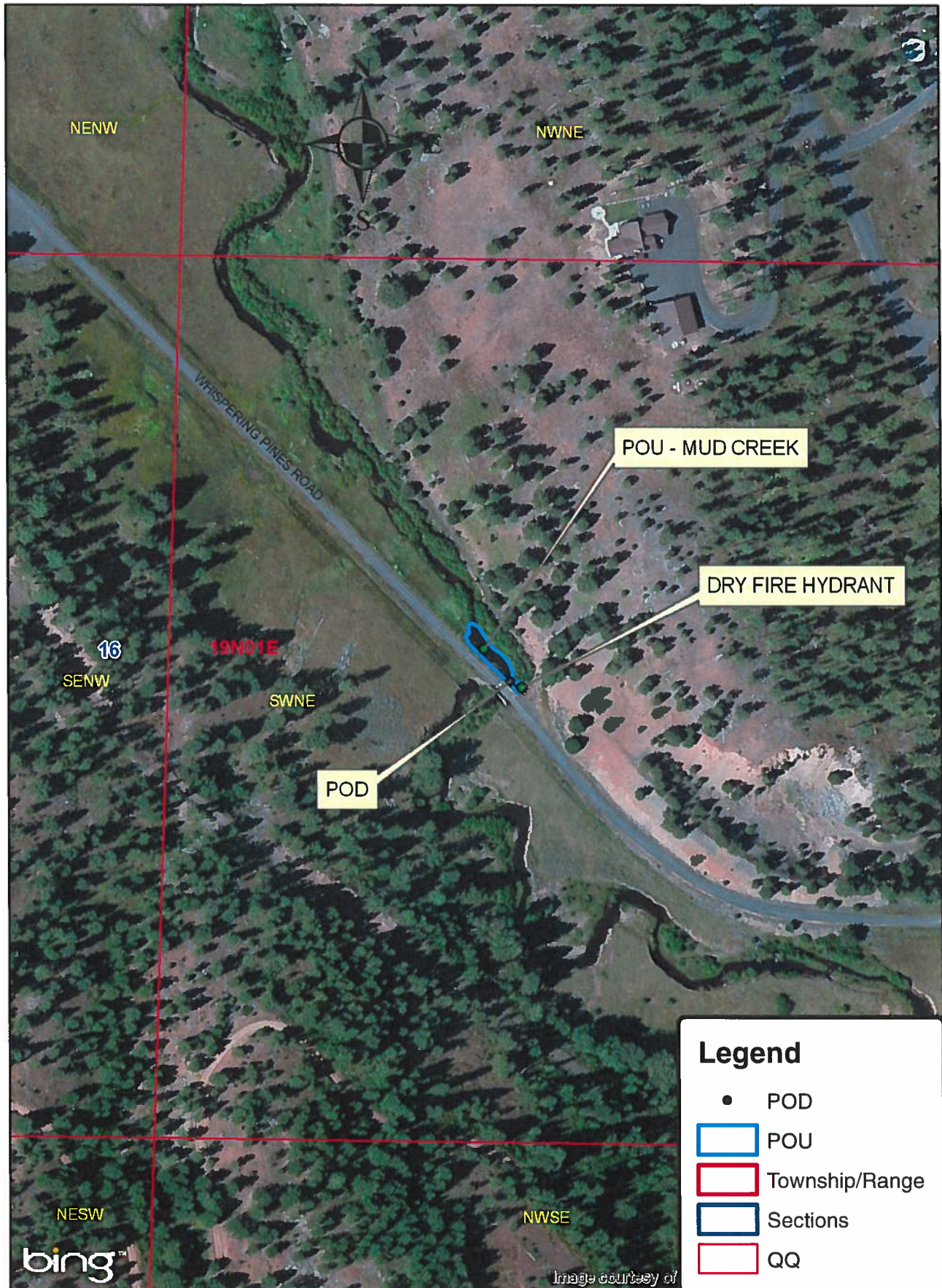
___Change P.U. as reflected above ___Add P.U. as reflected above ___Other

I. AUTHENTICATION

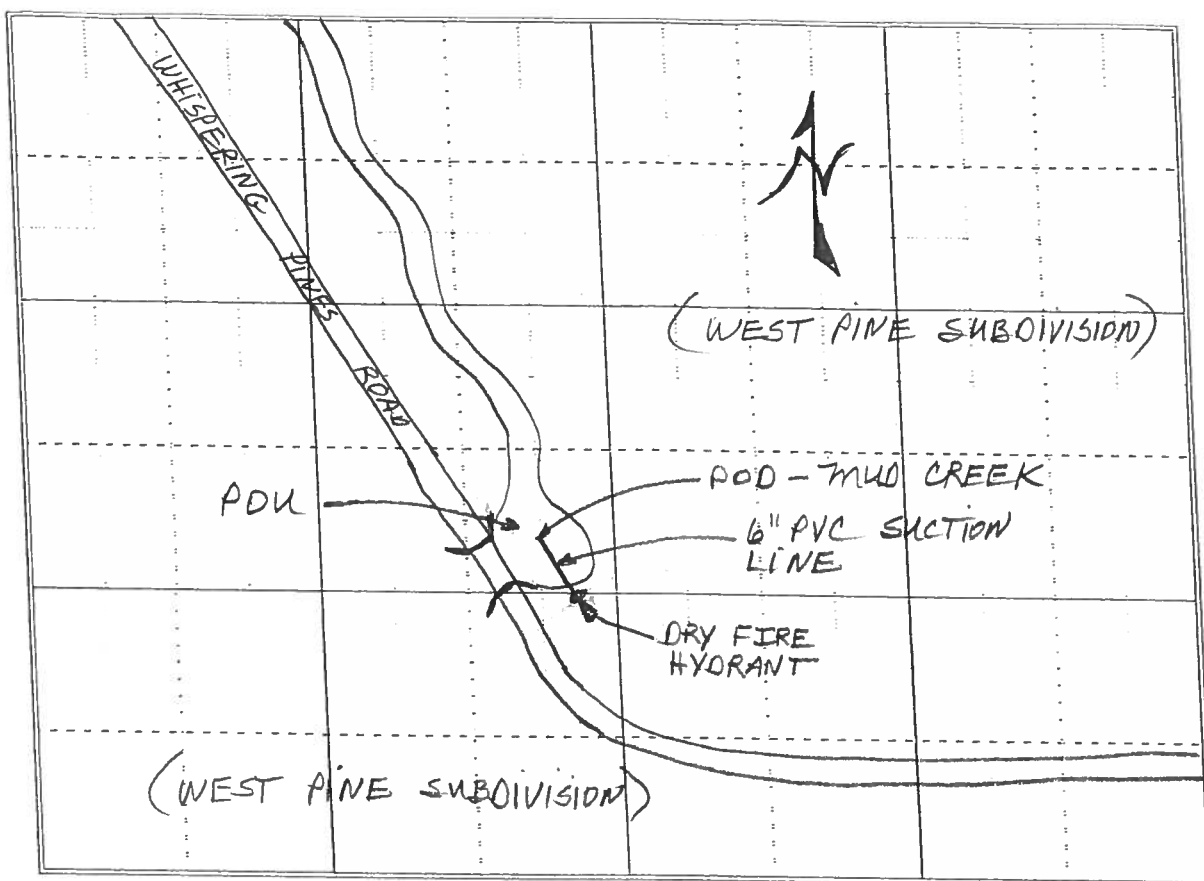
Field Examiner's Name Rick Collingwood Date 2/13/13
 Reviewer _____ Date _____

78-12214

BING AERIAL PHOTO - 2011



- 3 **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = NTS

- ☐ 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

FIELD EXAM PHOTOS

Water Right Permit: 78-12214

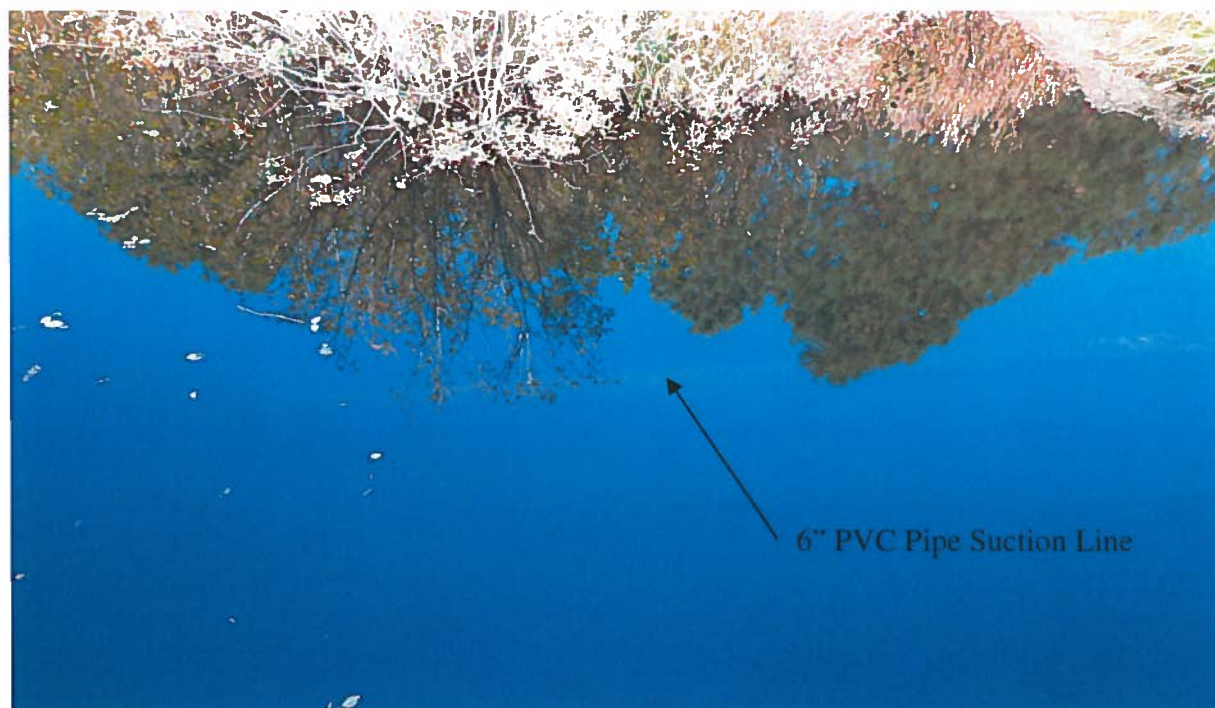
Field Exam Date: 9-27-12

PLS: SW1/4, NE1/4 Section 16, T.19N, R.01E.

Field Examiner: RC



Point of Diversion: View northwesterly of 6" dry fire hydrant and Mud Creek. A 6" screened PVC pipe suction line extends along the bottom of Mud Creek.



Point of Diversion: View northeasterly from bridge of the 6" PVC pipe suction line in Mud Creek.



Place of Use: View westerly of a typical home located in the West Pine Subdivision. The fire protection system serves 60 residential lots within the West Pine Subdivision.



State of Idaho

DEPARTMENT OF WATER RESOURCES

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C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

August 6, 2012

J I Morgan, Inc.
Meadows Valley Fire Protection District
P.O. Box D
New Meadows, ID 83654

RE: Scheduling Field Exam for Water Right Permit No. 78-12214

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **on August 29, 30, & 31, 2012**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 0.20 cfs of surface water (Mud Creek) for fire protection.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by August 14, 2012, to conduct the exam on August 29, 30, or 31, 2012.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

A handwritten signature in cursive script that reads "Rick Collingwood".

Rick Collingwood, P.E.
Water Resource Agent, Sr.