

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 78-12360

Exam Date: 10/16/2014

1. Current Owner: GAUTAM KOMMINANI
5143 HWY 95
NEW MEADOWS, ID 83654

And

YAVONNA KOMMINANI
5143 HWY 95
NEW MEADOWS, ID 83654

2. Accompanied by: Yavonna Komminani & John Schlewing
Phone No: (208) 628-9289
Address: Same
Relationship to Permit Holder: Owner & Brother

3. SOURCE

TRAIL CREEK

TRIBUTARY

LITTLE SALMON 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:

TRAIL CREEK NE1/4SW1/4 Sec. 2, Twp 21N, Rge 01E, B.M.
ADAMS County

Method of Determination: Arc Map (Aerial Photo)

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
21N	01E	2	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	3.0
																			3.0

Total Acres: 3

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	N/A	N/A	3"

*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>
5-Gallon Bucket						

2. Measurements: Flow measurement taken at frost-free hydrant. Measured flow of 10 gpm (0.02 cfs). Flow measurement at the hydrant is not comparable to the diversion rate of the 3" PVC supply line. Assuming an estimated velocity of 5 ft/sec, and a cross-sectional area of 0.05 ft², Q = 0.25 cfs.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: (Continuity Equation – Pipes)

$$Q = VA$$

$$Q = 5 \text{ ft/sec} \times 0.05 \text{ ft}^2 = 0.25 \text{ cfs}$$

$$V = 5 \text{ ft/sec (Estimated)}$$

$$A = 0.05 \text{ ft}^2$$

$$Q(\text{theoretical}) = 0.25 \text{ cfs} > 0.06 \text{ cfs } Q(\text{permit})$$

The current water delivery system can attain the permit diversion rate of 0.06 cfs.

Recommend the permit diversion rate of 0.06 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.0 \times 3.0 \text{ AF} = 9.0 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \times 214 \times 1.9835 = 25.5 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 9.0 \text{ AFA}$$

2. Volume Calculations for Other Uses: N/A

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

Water is diverted from Trail Creek through a screened 3" PVC inlet pipe. Approximately 900 lineal feet of 3" PVC and 1 1/2" PVC convey the water through the right holder's property to a frost-free hydrant near the right holder's home. The water is used to irrigate approximately 3.0 acres of apple trees, gardens, and lawn and landscaping.

IRRIGATION SYSTEM:

The right holder has installed vertical risers and service taps on the 3" PVC section of supply line to provide connections to hoses or piping for distribution of water to the places of use. The right holder irrigates with hoses and sprinklers.

OVERLAP ANALYSIS:

Point of Diversion: There are no point of diversion overlaps for Water Right Permit No. 78-12360.

Place of Use: There are no place of use overlaps for Water Right Permit No. 78-12360.

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

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.06	&/or	N/A
Beneficial Use Limit	0.06	&/or	N/A
System Measurement	0.25 (theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.06	&/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>
IRRIGATION	04/01 to 10/31	0.060 CFS	9.00 AFA
<u>Totals:</u>		0.060 CFS	9.00 AFA

2. Recommended Amendments

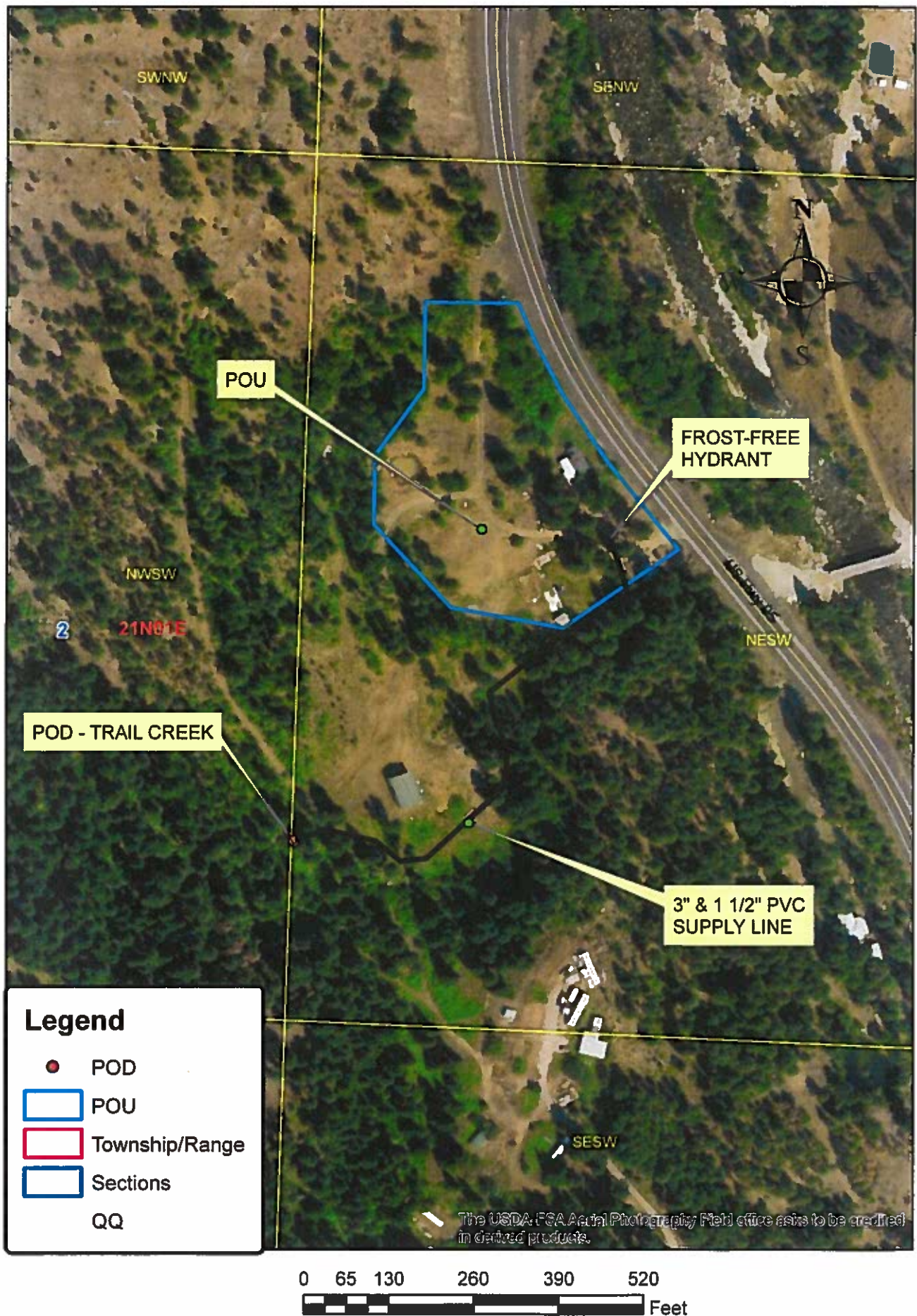
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

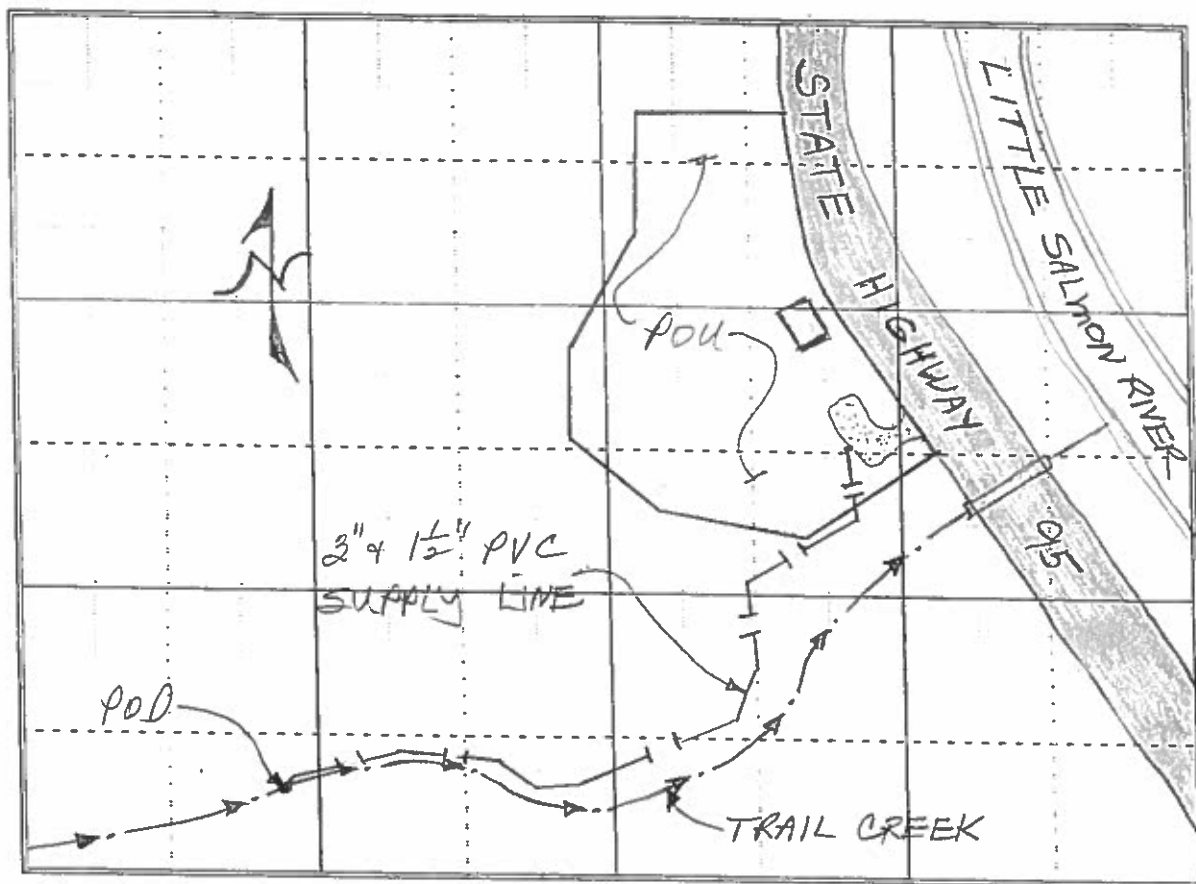
Field Examiner's Name Rick Collingwood Date 12/9/14
 Reviewer _____ Date _____

78-12360

AERIAL PHOTO - 2013



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: 78-12360

Field Exam Date: 10-16-14

PLS: NE1/4, SW1/4 Section 2, T.21N, R.01E

Field Examiner: RC



Point of Diversion: View of a screened 3" PVC intake pipe in Trail Creek.



View easterly of the 3" PVC supply line from Trail Creek.



View easterly of the 3" PVC supply line located near the southerly boundary of the right holder's property. PVC risers are randomly located on the 3" PVC supply line for pipe or hose attachment.



Place of Use: View southerly of two of the apple trees irrigated by the Trail Creek irrigation system.



Place of Use: View southeasterly of the right holder's garden area irrigated by the Trail Creek irrigation system.



View westerly of the 3" PVC supply line where the supply line is reduced to 1 1/2" PVC. A 1 1/2" isolation ball valve is installed to isolate the 1 1/2" PVC supply line. The 1 1/2" PVC supply line terminates at a frost free hydrant near the right holder's home.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082

PHONE: (208) 334-2190 FAX: (208) 334-2348 www.idwr.idaho.gov

C.L. "BUTCH" OTTER, Governor

August 25, 2014

GARY SPACKMAN, Director

Gautam & Yavonna Komminani
817 Wax Myrtle Lane, Unit A
Houston, TX 77079-3768

RE: Scheduling Field Exam for Water Right Permit No. 78-12360

Dear Permit Holder:

The Idaho Department of Water Resources (IDWR) is planning to conduct water right field examinations in the vicinity of the above-referenced permit **during the week of September 15**. An examination is needed to verify water use(s) developed under the permit in order to issue a water right license.

Your permit authorizes the diversion of surface water from Trail Creek for irrigation. If you developed a beneficial use of water and still own the place of use property identified in the permit, please contact me at your earliest convenience to schedule an examination.

If you developed a beneficial use of water under the permit but no longer own the place of use property, please use the enclosed Assignment of Permit form (\$25 fee). This will allow IDWR to work with the new permit owner through the water right licensure process.

A water right license cannot be issued if beneficial use of water was not developed or if use was developed but abandoned. If either of these cases has occurred, please relinquish the permit by using the enclosed Relinquishment of Permit form (no fee required). The permit will be voided if a relinquishment form is not submitted within thirty (30) days. If you no longer own the property and do not assign or relinquish your permit, IDWR will work with the current property owner to issue a license or to void the permit.

Please contact me to schedule a field examination for a day and time that is convenient for you. **Please call me at (208) 334-2190 by September 5 to conduct the field exam during the week of September 15.** If there is a problem with scheduling or conducting the field examination at this time, please let me know so we can reschedule.

Please call me at (208) 334-2190 if you have any questions. I appreciate your attention to this matter and look forward to hearing from you.

Sincerely,

Rick Collingwood, P.E.
Staff Engineer

Enclosure: Relinquishment and Assignment of Permit Forms



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082

PHONE: (208) 334-2190 FAX: (208) 334-2348 www.idwr.idaho.gov

C.L. "BUTCH" OTTER, Governor
August 18, 2014

GARY SPACKMAN, Director

Gautam & Yavonna Komminani
732 Country Place Drive, Unit C
Houston, TX 77079

RE: Scheduling Field Exam for Water Right Permit No. 78-12360

Dear Permit Holder:

The Idaho Department of Water Resources (IDWR) is planning to conduct water right field examinations in the vicinity of the above-referenced permit **during the week of September 8**. An examination is needed to verify water use(s) developed under the permit in order to issue a water right license.

Your permit authorizes the diversion of surface water from Trail Creek for irrigation. If you developed a beneficial use of water and still own the place of use property identified in the permit, please contact me at your earliest convenience to schedule an examination.

If you developed a beneficial use of water under the permit but no longer own the place of use property, please use the enclosed Assignment of Permit form (\$25 fee). This will allow IDWR to work with the new permit owner through the water right licensure process.

A water right license cannot be issued if beneficial use of water was not developed or if use was developed but abandoned. If either of these cases has occurred, please relinquish the permit by using the enclosed Relinquishment of Permit form (no fee required). The permit will be voided if a relinquishment form is not submitted within thirty (30) days. If you no longer own the property and do not assign or relinquish your permit, IDWR will work with the current property owner to issue a license or to void the permit.

Please contact me to schedule a field examination for a day and time that is convenient for you. **Please call me at (208) 334-2190 by August 29 to conduct the field exam during the week of September 8.** If there is a problem with scheduling or conducting the field examination at this time, please let me know so we can reschedule.

Please call me at (208) 334-2190 if you have any questions. I appreciate your attention to this matter and look forward to hearing from you.

Sincerely,

Rick Collingwood, P.E.
Staff Engineer

Enclosure: Relinquishment and Assignment of Permit Forms