

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 98-7839

Exam Date: 8/3/2012

1. Current Owner: JOHN DRIEDGER
260 KINGS ROW RD
BONNERS FERRY ID 83805
(208)267-5305
2. Accompanied by: JOHN DRIEDGER
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE

UNNAMED STREAM

TRIBUTARY

BANE CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: 98-7148, 98-7170, 98-7688

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

UNNAMED STREAM

SE1/4SW1/4

Sec. 35, Twp 63N, Rge 01E, B.M.

BOUNDARY County

Method of Determination: GPS AND MAP

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
63N	01E	35	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	37.0
																			37.0

Total Acres: 37

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Method of Determination:

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</u> <u>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</u> <u>Size</u>
	teco	50 hp			

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: $Q = (50) (8.8) (0.7) = 0.5 \text{ CFS}$

616 TOTAL DIA HEAD

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F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 111 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.4 \times 214 \times 1.9835 = 169.7 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 111 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$0.50 \text{ cfs} = 0.991 \text{ AFD} \times 214 \text{ Days of Irrigation} = 212 \text{ AFPA}$$

G. NARRATIVE/REMARKS/COMMENTS

Irrigation systems are drip irrigation and flood irrigation and sprinklers. Each system used is based on the crop.

This Pump system will only Pump 212 AF Per 214 Days.

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

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	0.400 CFS	111.00 AF
<u>Totals:</u>		0.400 CFS	111.00 AF

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

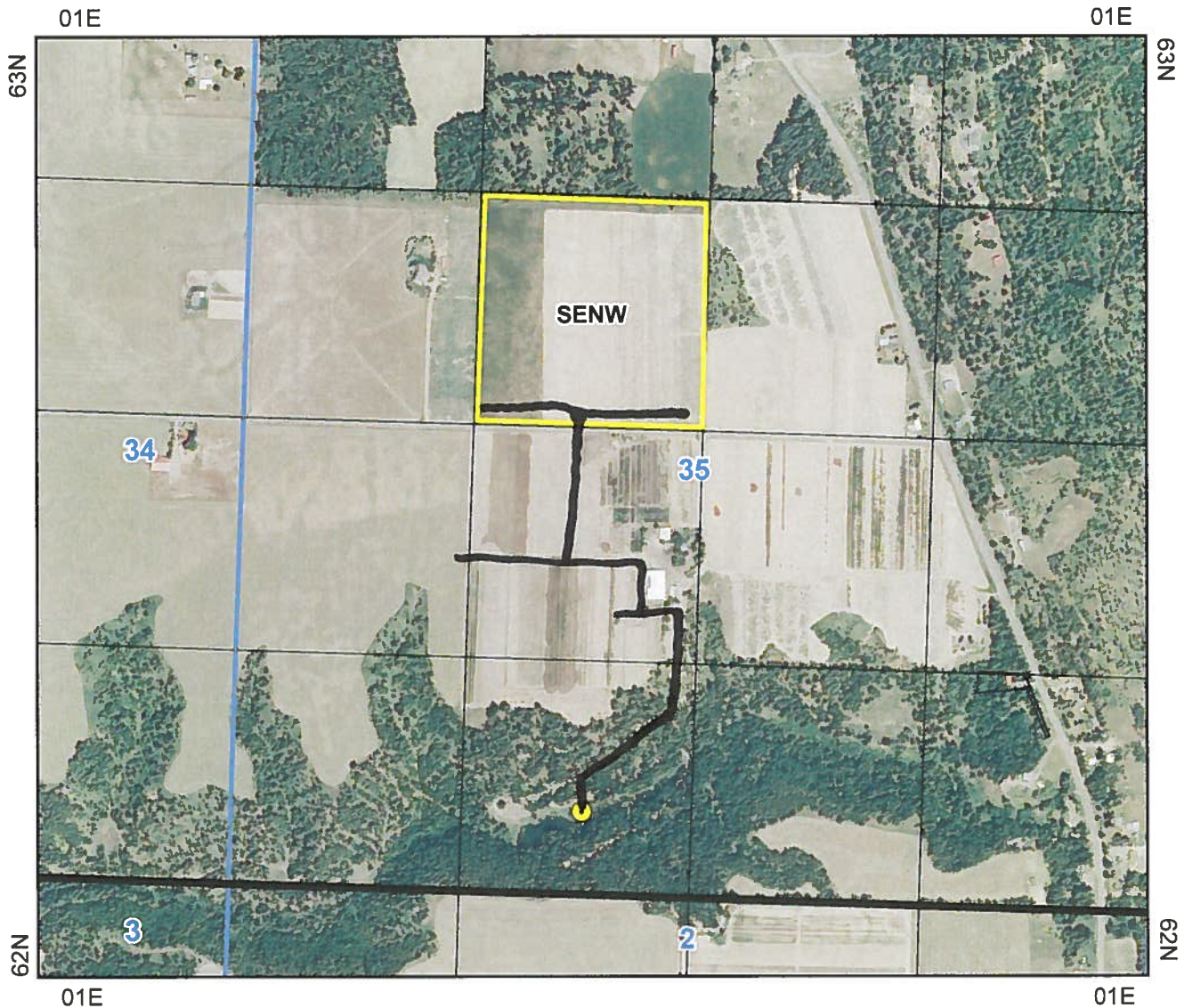
Field Examiner's Name Eric J. Davis Date 2-01-2013

Reviewer Keith R. Swank Date 2/8/13

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State of Idaho
Department of Water Resources
Water Right License *SYSTEM*
98-7839



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

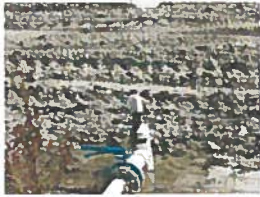
0 0.1 0.2 0.4 Miles

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IMG_1286.JPG



PIPE.JPG



IRRIGATION .JPG



DRIP IRR.JPG



USE .JPG



50 HP.JPG



MOTOR.JPG

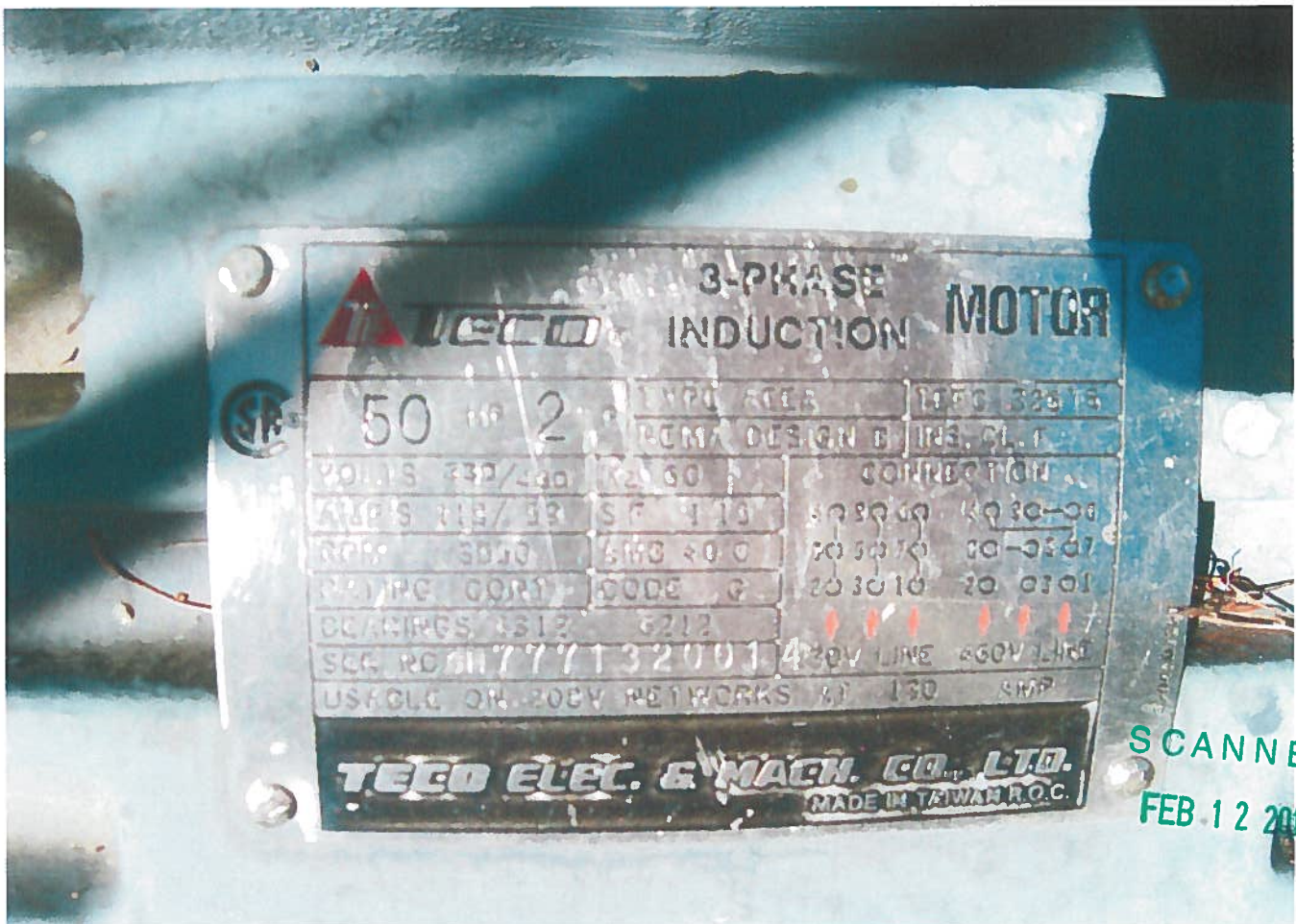


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