

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
AMENDED BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 23-07180
Exam Date: 10/1/2002
and 8/17/2017

1. Current Owner:
RONALD J PETERSON
PO BOX 23
IRWIN ID 83428
(208) 589-2318

2. Accompanied by: N/A

3. **SOURCE:**
PALISADES CREEK

TRIBUTARY:
SNAKE 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: Palisades Canal Water Rights

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

PALISADES CREEK SW¼SE¼ Sec. 26, Twp 01N, Rge 44E, B.M. BONNEVILLE County

Method of Determination: GPS / WD01 Regulation Point

2. PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	44E	15										X							

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	
01N	44E	15										5.0							5.0

Total Acres: 5.0

Method of Determination: Aerial photo / site visit

D. FLOW MEASUREMENTS

Measurement of system not required pursuant to Rule 35.01.r of the Department's Beneficial Use Exam Rules (IDAPA 37.03.02). Water is delivered to the place of use through the Palisades Canal, which is regulated by Water District 01. Water district records shows Palisades Canal diverts 40-50 cfs through much of the summer, including times when a 1999 water right would be in priority.

E. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 5.0 \text{ acres} \times 3.5 \text{ af/acre} = 17.5 \text{ af}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.15 \text{ cfs} \times 200 \text{ days} \times 1.9835 = 59.5 \text{ af}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 17.5 \text{ af}$$

2. Volume Calculations for Other Uses: Stockwater = 0.1 af (8 stock x 200 days x 12 gpd/stock = 19,200 gal = 0.05 af)

Palisades Canal does not deliver water during the non-irrigation season.

Stockwater volume calculated based on irrigation season delivery only.

F. NARRATIVE/REMARKS/COMMENTS

Small pump in the canal used to irrigate lawns and landscaping around home. Pasture area below the canal can be flood irrigated through two headgates on the canal. Measuring device maintained by Palisades Canal Company at the head of the canal, which is regulated by Water District 01. Permit requires water right holder to rent water from the Water District 01 rental pool prior to March 1st every year. Rather than rent water every year, water right holder obtained 10 shares in Palisades Water Users Association in March 2000. Water user has held those shares since that time period. Storage water from Palisades Reservoir is delivered to Palisades Canal through an accounting exchange.

On August 17, 2017, water was being diverted from the main canal to irrigate pasture area below the canal. The water diverted was storage shares in Palisades Water Users because 1999 water rights were curtailed on the Snake River.

Season of use for stockwater was reduced to match the irrigation season. A review of WD01 delivery records confirms that Palisades Canal does not divert water during the non-irrigation season.

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

G. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/15 to 10/31	0.15 CFS	17.5 AF
STOCKWATER	01/01 to 12/31	0.02 CFS	0.1 AF
<u>Totals:</u>		0.150 CFS	17.6 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 ☒ None

H. AUTHENTICATION

Field Examiner's Name

James Cefalo

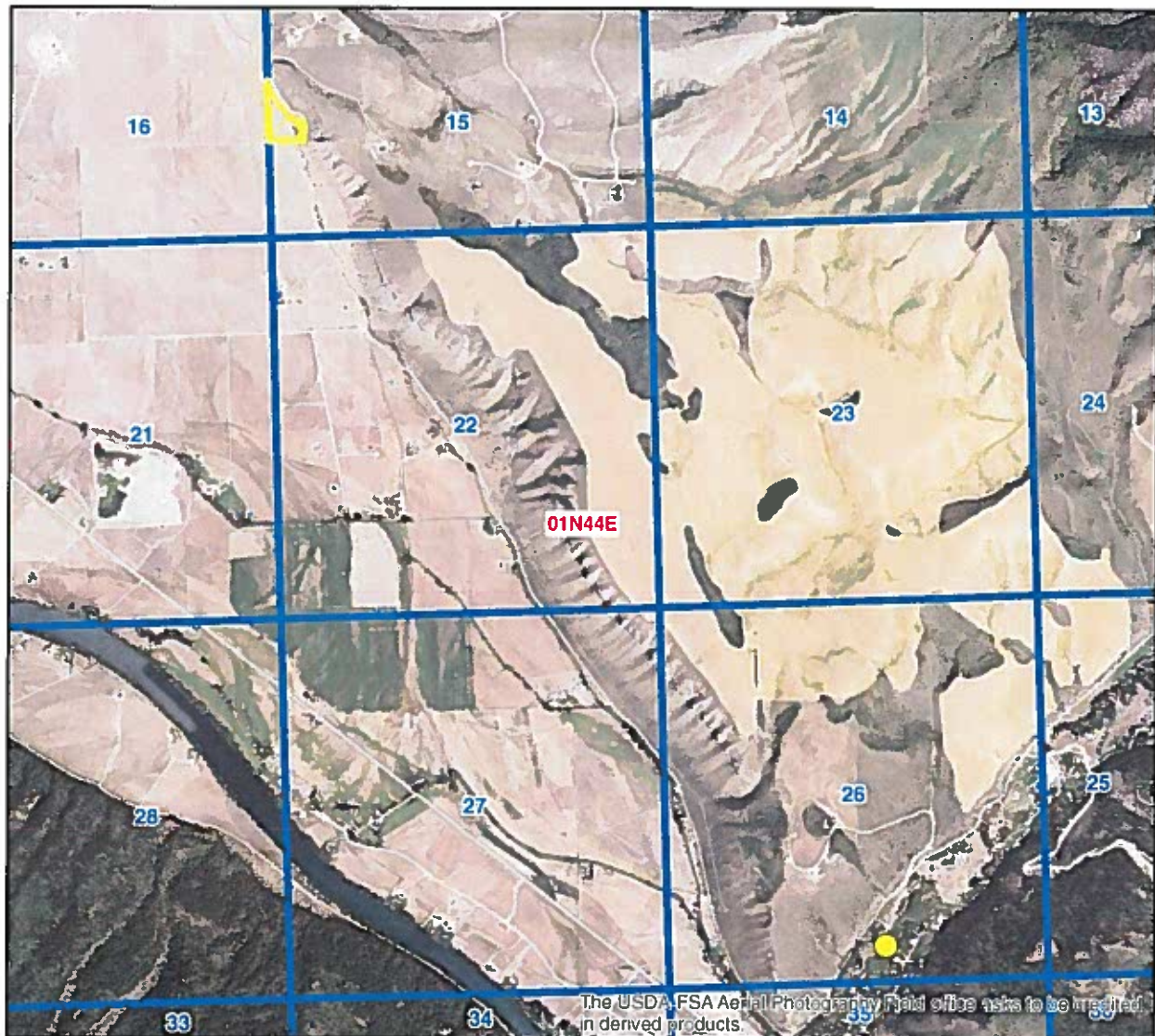
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8/22/17

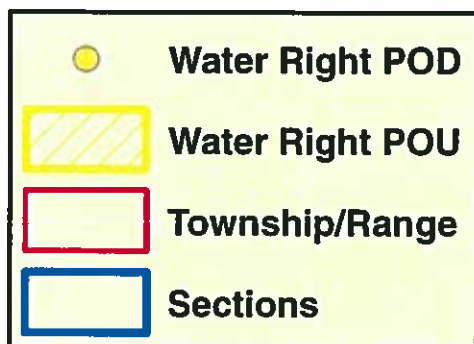
Reviewer

Date

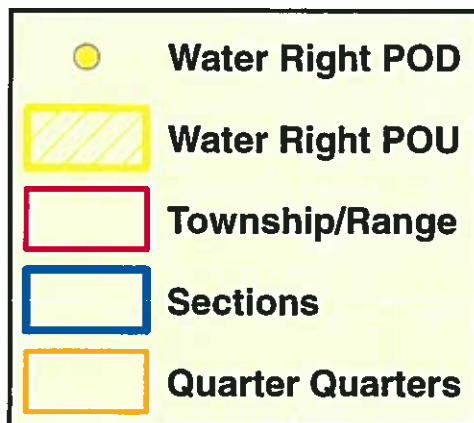
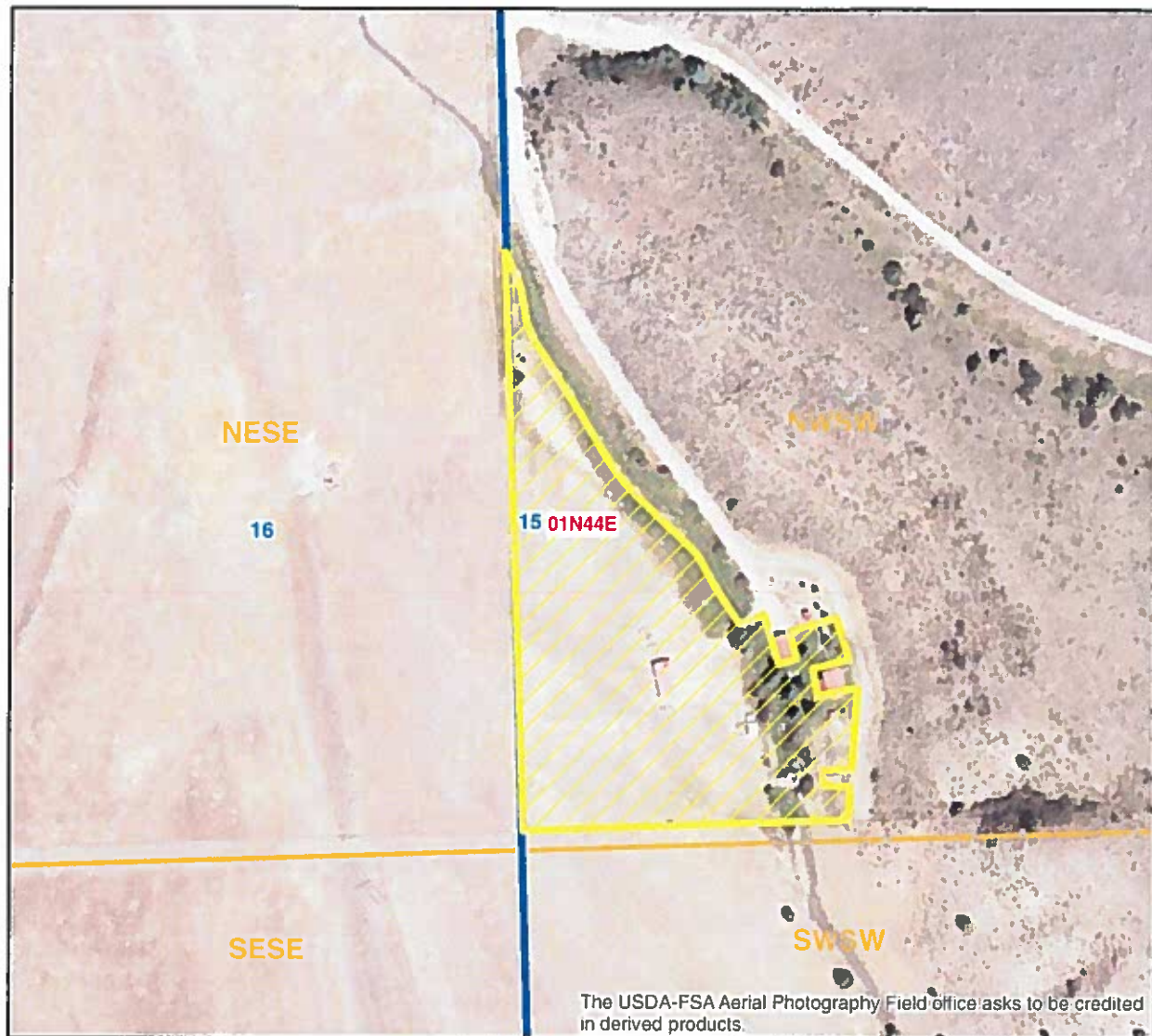
Water Right License 23-7180



0 0.5 1 Miles



Water Right License 23-7180



0 250 500 Feet

