

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 72-7445

Exam Date: 7/18/2012
Nathan Erickson

1. Current Owner: LESLIE THURMOND
PO BOX 262
VICTOR ID 83455
(208)787-2569
2. Accompanied by: (see narrative)
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE

CHALLIS CREEK

TRIBUTARY

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: many (Highline Ditch, with individual rediversions)

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

CHALLIS CREEK	L2 NW1/4SW1/4NW1/4	Sec. 7,	Twp 14N,	Rge 19E, B.M.
CUSTER County				
CHALLIS CREEK	SE1/4SW1/4SE1/4	Sec. 17,	Twp 14N,	Rge 19E, B.M.
CUSTER County (Rediversion)				

Method of Determination: **GPS Records from IDWR for Highline Ditch for point of diversion and water master delivery records for point of re-diversion.**

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	
14N	19E	17																	9.3.0

Total Acres: 9.3

Method of Determination: Digitized on 1997/1998 Landsat aerial photo

3. _____ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ___X___ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ___X___ Aerial Photo Attached (required for irrigation of 10+ acres).
- ___X___ 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>
A0002721	Century	10	?	Berkeley	#8306368

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

D. FLOW MEASUREMENTS None available

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>
_____	_____	_____	_____	_____	_____	_____

2. Measurements: No measurements made

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: Theoretical Equation

$$Q = \frac{(8.8) \times (\text{HP}) \times (\text{Eff})}{\text{TDH}} = \frac{(8.8) \times (10 \text{ hp}) \times (70\% \text{ eff})}{(0 \text{ ft}) + (40 \text{ psi} \times 2.31)} = \frac{61.6}{92.4} = 0.66 \text{ cfs (w/current pump)}$$

$$0.02 \text{ cfs/acre} \times 9.3 \text{ acres} = 0.186 \text{ or } \underline{0.19 \text{ cfs}}$$

F. VOLUME CALCULATIONS1. Volume Calculations for Irrigation: **No volume on surface water rights**

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

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

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

2. Volume Calculations for Other Uses: **N/A****G. NARRATIVE/REMARKS/COMMENTS**

Nathan Erickson visited the site on July 18, 2012 and took several pictures of the place of use. There is no irrigation going on now and no system in place. The permit was filed in 1990 by Charles and Verla Harvie who Assigned the Permit to Aegis Resources of Las Vegas, NV, care of Robert and Marilyn Bruce, in 1994. The permit lapsed on May 2, 1998 cause neither proof nor a request for extension of time was received by the due date. It was reinstated on May 4, 1998 when the Bruce's submitted proof. Robert Bruce passed away in 2001 and Marilyn in 2012. I contacted an Aegis Resources in Las Vegas that I found on the internet and asked if they had any affiliation to property in Challis Idaho and they said they did not and didn't have any idea what I was talking about. Aerial Photos of 1998 and the following year or so showed some irrigation was occurring and water master records showed delivery in 1998, 1999, 2000, and 2001. Records seemed incomplete for 2002 and no delivery was shown after that. When I contacted the former Water Master on Challis Creek, Jack Challis, he said the records showing delivery to the Bruces were for right 72-32G on a 10-acre parcel to the east of the 26-acre parcel for this right. The Bruces owned both parcels at the time. He showed no delivery records for this parcel. I talked with the daughter of the Bruces, Lynn Ashby, who still lives in Challis. She said she remembers when her parents tried to extend their irrigation to the larger parcel to the west in about 1998. They only irrigated it for one or two seasons as there was not enough water, the property was uphill from the ditch and it was too far to try and pump the water. Her father had installed a much larger pump but because the water was so shallow it was difficult to keep debris out of the pump and was just a futile effort. There currently is a 10 hp pump in the ditch at the point of the diversion for the smaller parcel and associated with tag A0002721. Based on 1997/1998 aerial photos, we could recognize approximately 9.3 acres as irrigated and 0.19 cfs at an inch per acre. Les Thurmond now owns the 26-acre property and the License can be issued directly to him if he files an ownership change and pays the fee. The Permit season of use was 4/1 – 11/1 but the current season of use for the area is now 4/1 – 10/31. The point of diversion is the Highline Ditch in the NWSWNW Lot 2 of Section 7 like the permit says, but I also added a point of re-diversion in the NESWSE of Section 17.

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	4/01 to 10/31	0.520 CFS	
<u>Totals:</u>		0.520 CFS	

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

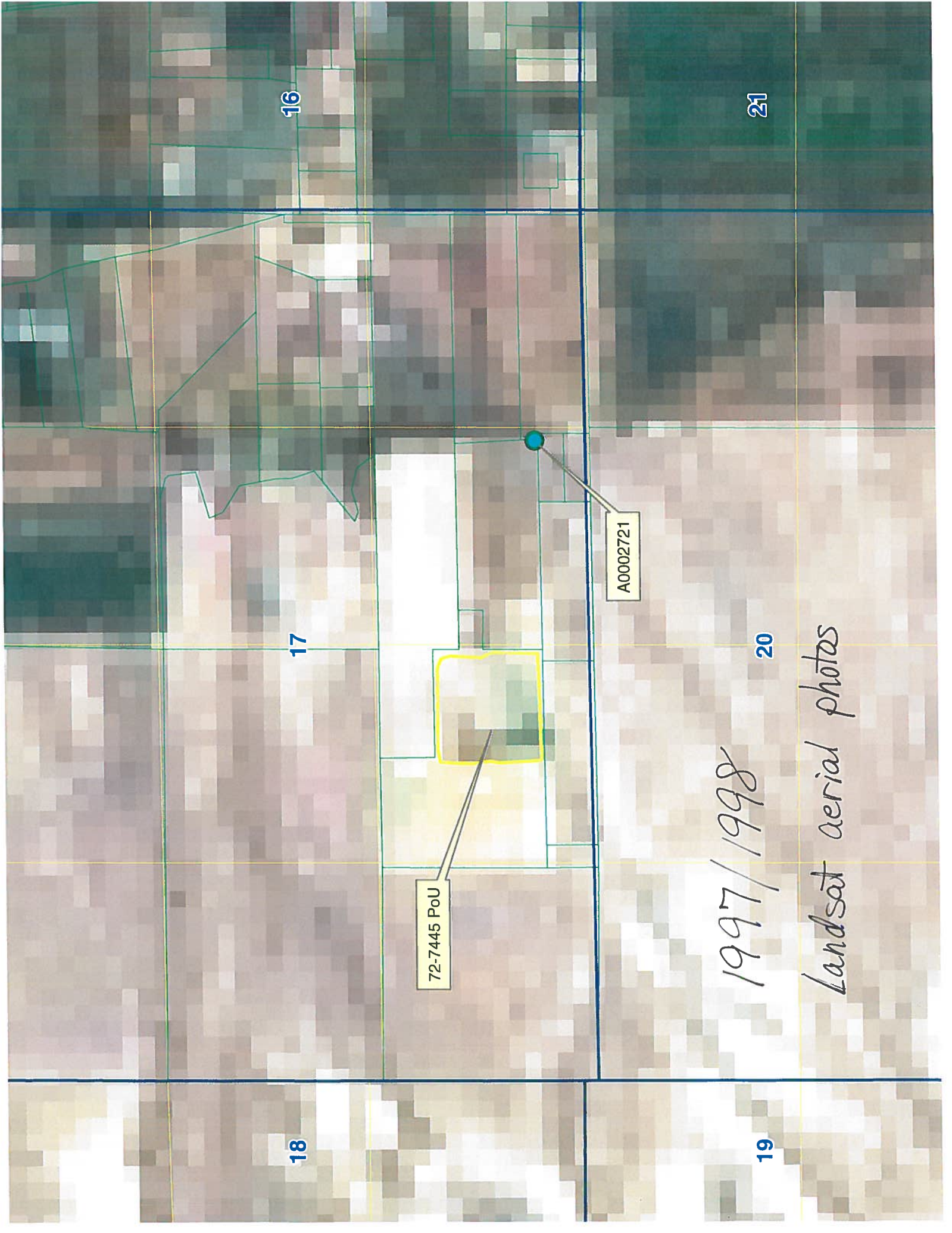
Date

Reviewer

Date

9/13/12

1/15/2013



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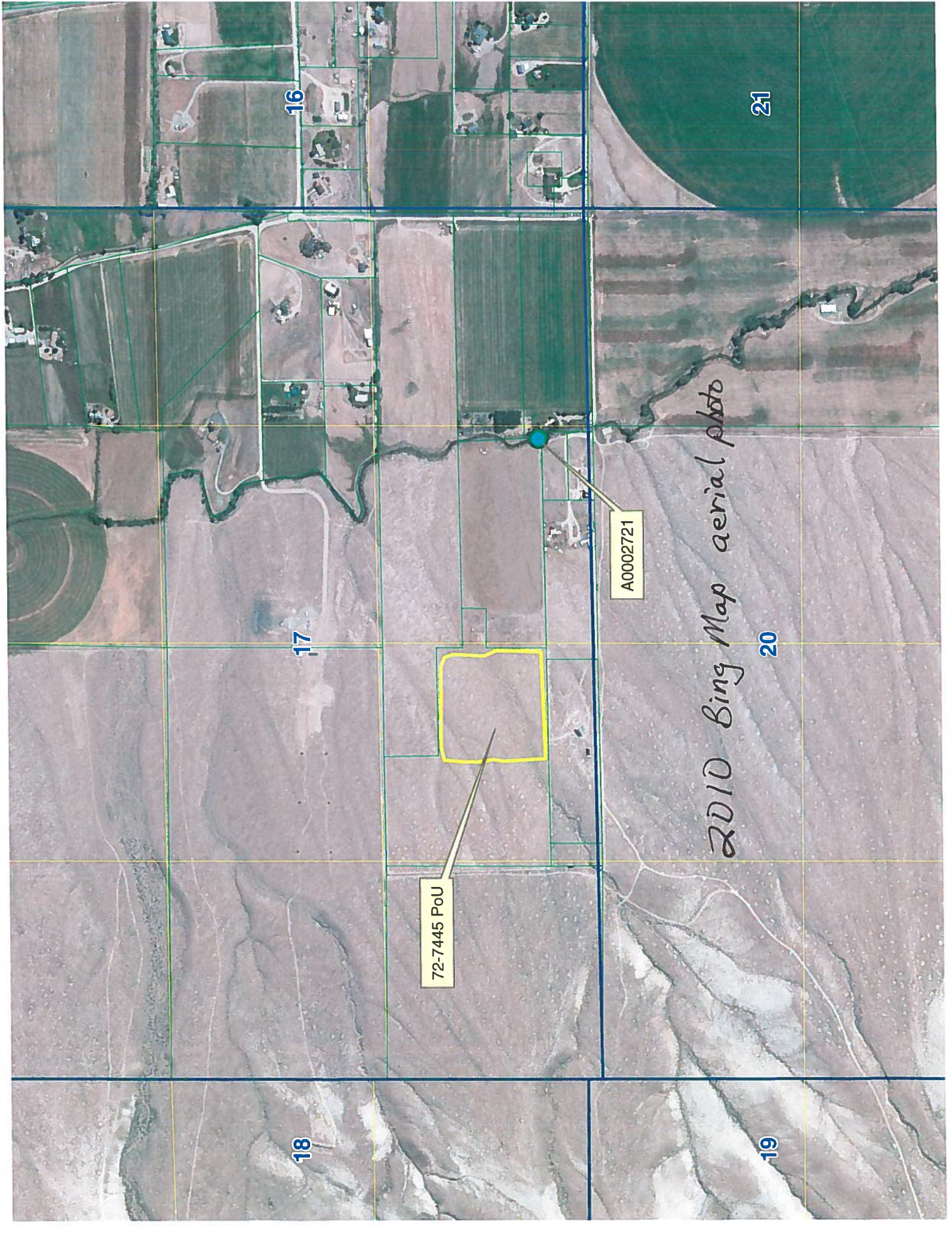
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1997/1998

Landsat aerial photos



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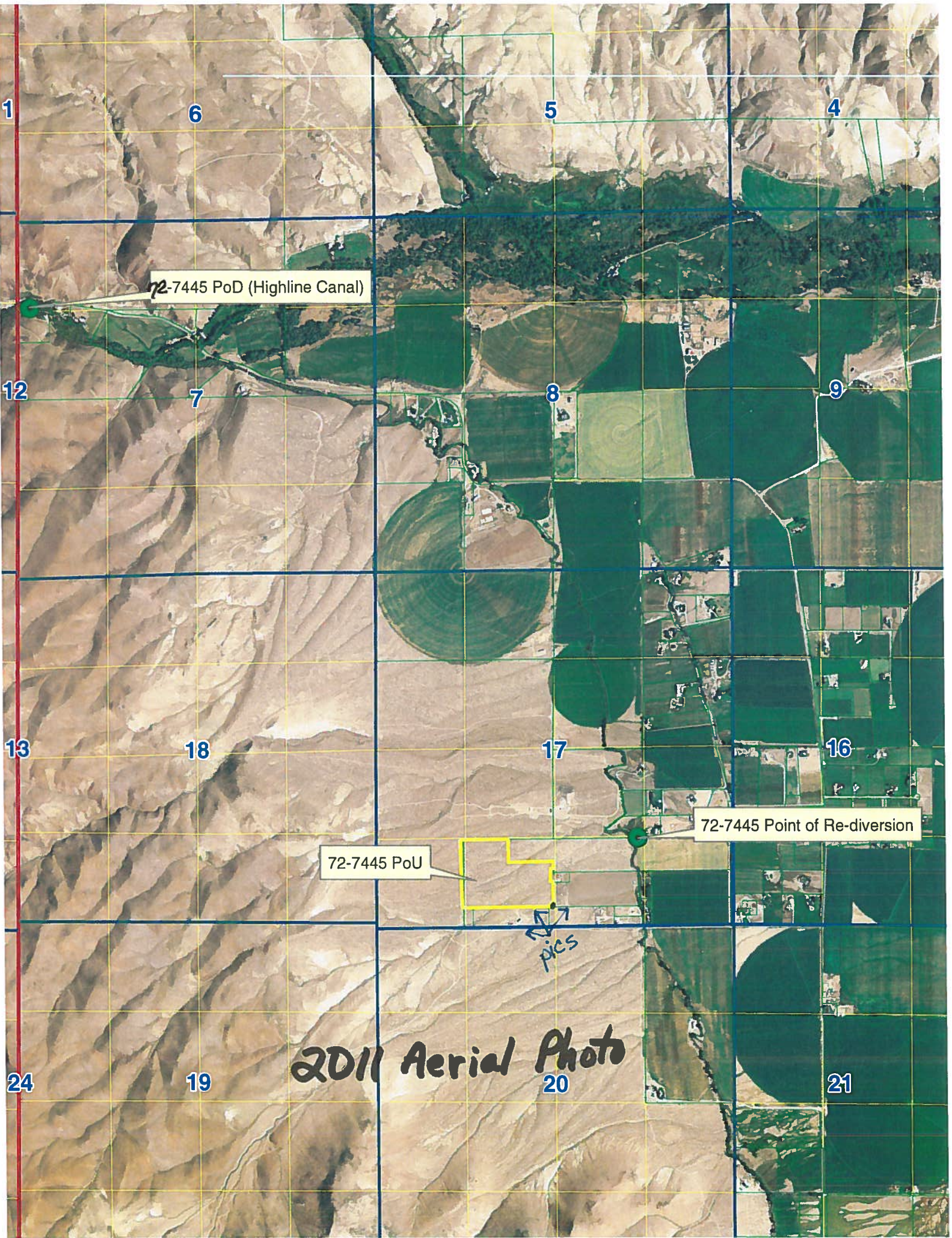
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2010 Bing Map aerial photo

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72-7445 pod



72-7445 place of use

72-7445

pon

