

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

A. GENERAL INFORMATION

Permit No: 22-7521B

Exam Date: 7/20/1995

1. Current Owner: JEPPESEN BROTHERS RANCH
C/O GARRY JEPPESEN
1030 S 7TH W
SUGAR CITY ID 83448
(208)356-7401

2. Accompanied by: N/A This is an in-office update to a field exam completed on July 20, 1995.

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: 22-7521B, 22-7680A, 22-7680B, 22-7687, and 22-7695B all share a common point of diversion.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NE1/4NE1/4 Sec. 18, Twp 05N, Rge 41E, B.M. MADISON County

Method of Determination: Site visit / aerial photography

2. **PLACE OF USE:** IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<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>	
05N	41E	9									36.0	14.0	33.0	36.0	9.8	6.1			134.9
05N	41E	16					.8	7.3											8.1

Total Acres: 143

Method of Determination: Aerial photography

3. ☒ Delivery System Diagram: See 1995 field exam.
- ☐ Map 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: See 1995 field exam.

D. FLOW MEASUREMENTS

1995 measurement was not reliable. Field examiner used theoretical diversion rate (8.23 cfs).

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

$$8.23 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 3493.4 \text{ acre-feet per year}$$

$$3493.4 \text{ acre-feet} / 1192 \text{ acres} = 2.9307 \text{ acre-feet per acre}$$

$$84 \text{ acres} \times 2.9307 = 246.2 \text{ acre-feet per year}$$

F. NARRATIVE/REMARKS/COMMENTS

Original field exam completed in July 1995. Well/pump to sprinklers and pivots. 800 hp pump with 200 hp booster. Measurement from field exam was not reliable. Examiner used theoretical measurement of 8.23 cfs based on size of pump and depth to water.

Five permits share the same single ground water well point of diversion: 22-7521B, 22-7680A, 22-7680B, 22-7687, and 22-7695B. The field examiner found 1192 irrigated acres between all five permits. Each permit will be licensed for 0.02 cfs per acre and the full permitted acres. The five permits in combination will be limited to 8.23 cfs, 1192 acres, and 3493.4 acre feet (8.23 cfs x 214 days x 1.9835).

The place of use recommended on the original 1995 field exam was modified slightly based on improved aerial imagery. The same number of acres are still recommended in this revised field exam.

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	04/01 to 10/31	2.860 CFS	419.10 AF
<u>Totals:</u>		2.860 CFS	419.10 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

H. AUTHENTICATION

Field Examiner's Name Dave Carlson Date Jan 9, 2013

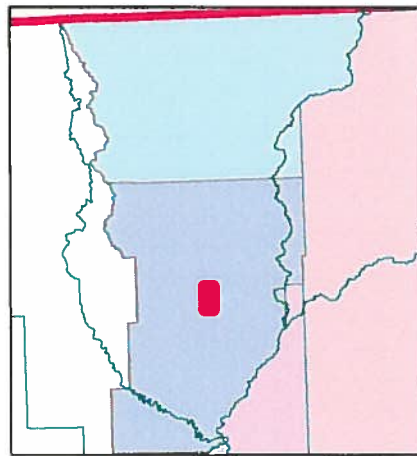
Reviewer James Cefalo Date Jan 14, 2013



Idaho Department of Water Resources

**Water Right
22-7521B
(IRRIGATION)**

- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters



**Madison County
IDWR Basin 22**

Prepared by Carlson, Dave

2009 Aerial Photography

