

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Amended

A. GENERAL INFORMATION

Permit No: 21-7587

Exam Date: 9/17/2007

1. Current Owner: HARRIMAN STATE PARK
HC 66 BOX 900
ISLAND PARK ID 83429
(208)558-7368
2. Accompanied by: Keith Hobbs
Phone No: SAA
Address: SAA
Relationship to Permit Holder: Park Manager

3. **SOURCE**

HENRYS FORK

TRIBUTARY

SNAKE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: See Attached Sheet
2. Other water rights with the same point of diversion: 1-84; 1-85; 1-86

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

HENRYS FORK

L8 SE1/4SW1/4

Sec. 17, Twp 12N, Rge 43E, B.M.

FREMONT County

Method of Determination: Digitized in ArcView

2.

PLACE OF USE:

Both
~~RECREATION~~ → *wildlife*

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
12N 43E 17												X L 8					
12N 43E 19			X L 9	X L 10				X L 8									
12N 43E 20						X L 1	X L 3										

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Method of Determination: ArcView

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>
A0018210					

*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>

2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: Measurement based on historic use. The diversion system is designed to handle 50 CFS during the summer irrigation months. The system is turned down to limit to 10 CFS during the winter months. The control boards in the return 3 foot weir are removed to allow the diverted water to return to the Henry's Fork.

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F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses: 10 CFS X 1.9835 AF/day/CFS X 196 days/year = 3887.66 AFA

G. NARRATIVE/REMARKS/COMMENTSHave 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>
<u>RECREATION</u>	10/16 to 04/30	10.000 CFS	3887.66 AFA
wildlife	10/16 to 04/30	10.00 CFS	3887.66 AF
<u>Totals:</u>		10.000 CFS	3887.66 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 ☒ OtherAdd wild life as
Nature of use**I. AUTHENTICATION**Field Examiner's Name Joseph Larsen Date September 20, 2007Reviewer Nate Arave Date 8-27-2008SCANNED
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Comment Report

21-7587

1. SCURTIS 1/19/1999 COPIED FROM REMARKS

Comment: The flow through the side channel will provide winter habitat for juvenile trout and whitefish. All waters diverted into the ditch will be returned to the river. The ditch is approximately 1.25 miles long and 10 feet wide. It flows directly adjacent to the river.

2. VAULT 8/6/1999 Proof of Beneficial Use Rcvd

Comment: Proof of Beneficial Use Rcvd

3. jlarsen 9/20/2007 Field Report Narrative

Comment: This permit utilizes the diversion of the irrigation system installed by Island Park Cattle Co. The purpose of this system is to prevent the ditch from freezing during winter. Many fry utilize the ditch because of its lower flow rates. The 10 cfs requested by the permit is sufficient to keep channel clear of ice.

The system has a head gate at the diversion and water is returned to the river over a 3 foot rectangular weir with control boards.

This ditch has three summer irrigation rights that total a volume of 50 cfs, thus it can be concluded that the system can handle 10 cfs.

Fish are clearly visible in stream channel, Keith Hobbs (the Park Manager) stated that typically that over 1000 fish have been counted in the channel.

4. jlarsen 9/20/2007 POD

Comment: Updated shape

5. jlarsen 9/20/2007 POD

Comment: Updated shape

6. jlarsen 9/20/2007 POD

Comment: Updated PLS

7. jlarsen 9/20/2007 POU

Comment: Updated Shape

8. jlarsen 9/20/2007 POU

Comment: Updated PLS

9. jlarsen 9/20/2007 POU Overlap Analysis

Comment: POU that share QQ are:

21-4119

21-12927

1-84

1-85

1-86

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1-86

21-7380

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Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	MWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	1 84	ISLAND PARK LAND & CATTLE CO.	HENRYS FORK	12N43E20						X											0
Right	1 85	ISLAND PARK LAND & CATTLE CO.	HENRYS FORK	12N43E20						X											0
Right	1 86	ISLAND PARK LAND & CATTLE CO.	HENRYS FORK	12N43E20						X											0
Permit	21 7587	HARRIMAN STATE PARK	HENRYS FORK	12N43E20						X											0
Right	21 7380	US DEPT OF AGRICULTURE	GROUND WATER	12N43E20						X											0
Claim	21 7380	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	12N43E20						X											0
Right	21 11325	UNITED STATES OF AMERICA ACTING THROUGH,	UNNAMED LAKE	12N43E20			X					X	X					X			0
Right	21 11326	UNITED STATES OF AMERICA ACTING THROUGH,	UNNAMED LAKE	12N43E20																	0
Rec	21 7380	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	12N43E20						X											0

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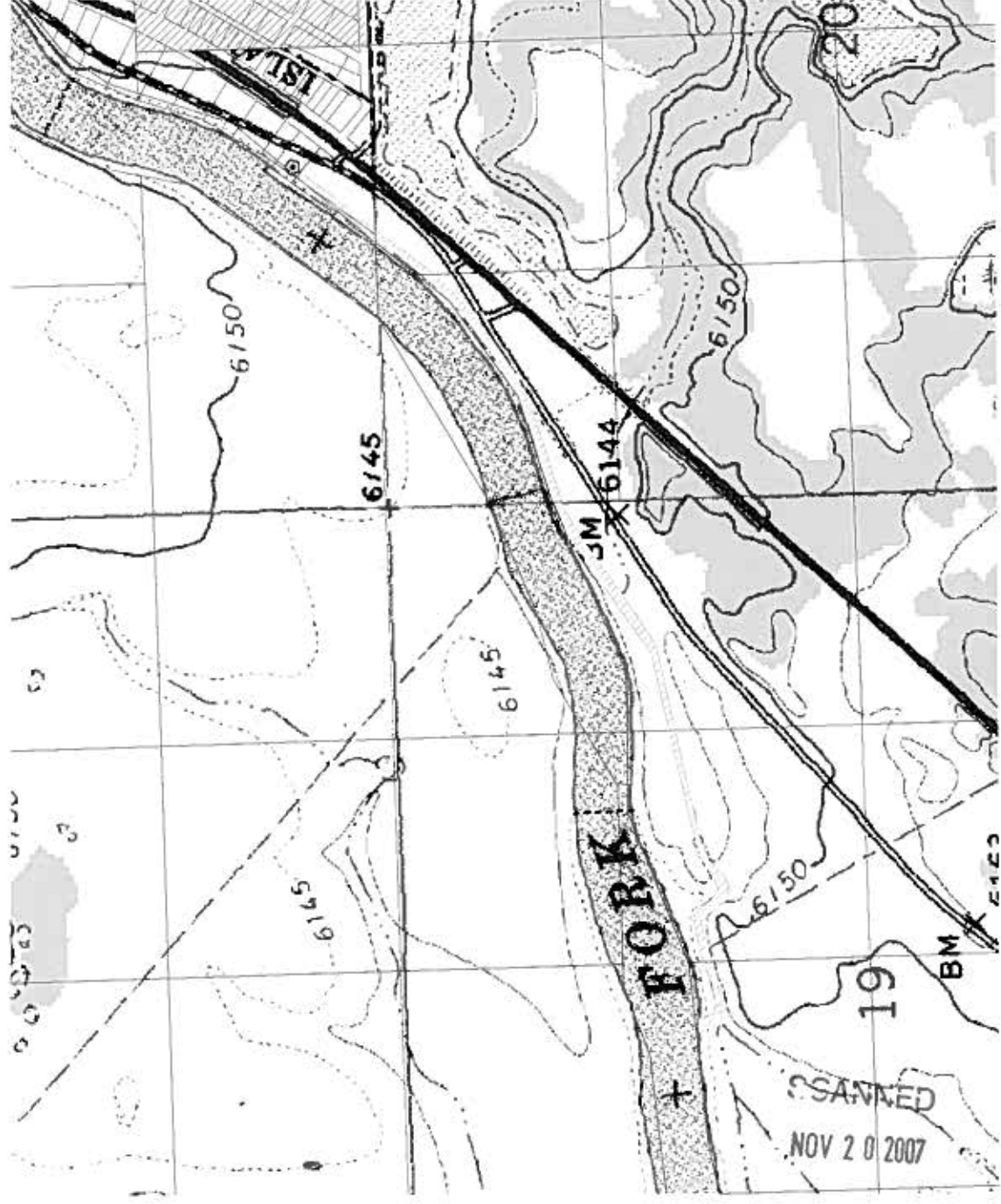
Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	21 7420	ROLLAND T CALDWELL,	GROUND WATER	12N43E17														X			0
Permit	21 7433	HENRYS FORK ANGLERS INC.,	GROUND WATER	12N43E17														X			0
Right	21 7440	ZIONS LAND SALES & INVESTMENT CORP.,	GROUND WATER	12N43E17														X			0
Permit	21 7587	HARRIMAN STATE PARK,	HENRYS FORK	12N43E17												X					0
Right	21 12396	UNITED STATES OF AMERICA ACTING THROUGH,	ANTELOPE PARK CREEK	12N43E17						X											0
Right	21 12398	UNITED STATES OF AMERICA ACTING THROUGH,	HENRYS FORK	12N43E17	X				X												0
Right	21 11304	VELBERT JACKSON, MARTHA LU JACKSON,	GROUND WATER	12N43E17															X		0
Right	21 10148	CLARENCE ROGER MILES, MILDRED MILES,	GROUND WATER	12N43E17															X		0
Right	21 4084	EARL HOLYOAK,	GROUND WATER	12N43E17				X													0
Rec	21 10366	JAY WEBSTER, JOYCE WEBSTER,	GROUND WATER	12N43E17														X			0
Right	21 10368	GEORGE R DONAT, ALICE M DONAT,	GROUND WATER	12N43E17														X			0
Right	21 10437	C TOM WILKINS,	GROUND WATER	12N43E17				X													0
Right	21 10448	ELIZABETH TRACE, THOMAS L TRACE,	GROUND WATER	12N43E17															X		0
Right	21 10971	RICHARD C OLSON, CRYSTAL L OLSON,	GROUND WATER	12N43E17														X			0
Right	21 11030	EDNA G SOHN, HERBERT F SOHN,	GROUND WATER	12N43E17														X			0
Right	21 11036	CAROL L MEAD, RUTH LANGSETH,	GROUND WATER	12N43E17														X			0
Right	21 11043	ROMAE A RASMUSSEN, RAY V RASMUSSEN,	GROUND WATER	12N43E17															X		0
Right	21 10289	MRS IRVING KENDLE, MR IRVING KENDLE,	GROUND WATER	12N43E17													X				0
Right	21 12367	ANDREW WELL, DRILLING SERVICES INC.,	GROUND WATER	12N43E17													X				0
Right	21 12369	ELAINE BURNS, E GALE BURNS,	GROUND WATER	12N43E17														X			0
Right	21 12370	E GALE BURNS, ELAINE BURNS,	GROUND WATER	12N43E17														X			0
Claim	21 10366	JAY WEBSTER, JOYCE WEBSTER,	GROUND WATER	12N43E17													X				0
Claim	21 10788	ROLLAND T CALDWELL,	GROUND WATER	12N43E17																	0
Claim	21 10882	A BAR, HELEN THOMPSON, D L WESTERGARD,	GROUND WATER	12N43E17			X														0
Claim	21 10975	WILMA D THREET,	GROUND WATER	12N43E17				X													0
Claim	21 10629	FRED F EHLERT SR,	GROUND WATER	12N43E17													X				0
Rec	21 10548	MIKEL ALFIERI, CONNIE ALFIERI,	GROUND WATER	12N43E17				X													0
Right	21 7433	HENRYS FORK ANGLERS INC.,	GROUND WATER	12N43E17															X		0
Right	21 7433	HENRYS FORK ANGLERS INC.,	GROUND WATER	12N43E17															X		0

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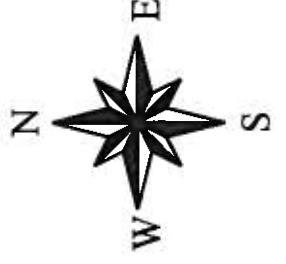
Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SNNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	1 84	ISLAND PARK LAND & CATTLE CO.	HENRY'S FORK	12N43E19	X	X			X	X	X										0
Right	1 85	ISLAND PARK LAND & CATTLE CO.	HENRY'S FORK	12N43E19	X	X			X	X	X										0
Right	1 86	ISLAND PARK LAND & CATTLE CO.	HENRY'S FORK	12N43E19	X	X			X	X	X										0
Right	21 4119	STATE OF IDAHO,	HENRY'S FORK	12N43E19			30	15				30	30		40	20					165
Permit	21 7587	HARRIMAN STATE PARK,	HENRY'S FORK	12N43E19	X	X															0
Claim	21 4119	STATE OF IDAHO,	HENRY'S FORK	12N43E19			30	15				30	30		40	20					165
Rec	21 12927	STATE OF IDAHO,	HENRY'S FORK	12N43E19							20.5	11.7	4.8	11.3	18.7						67

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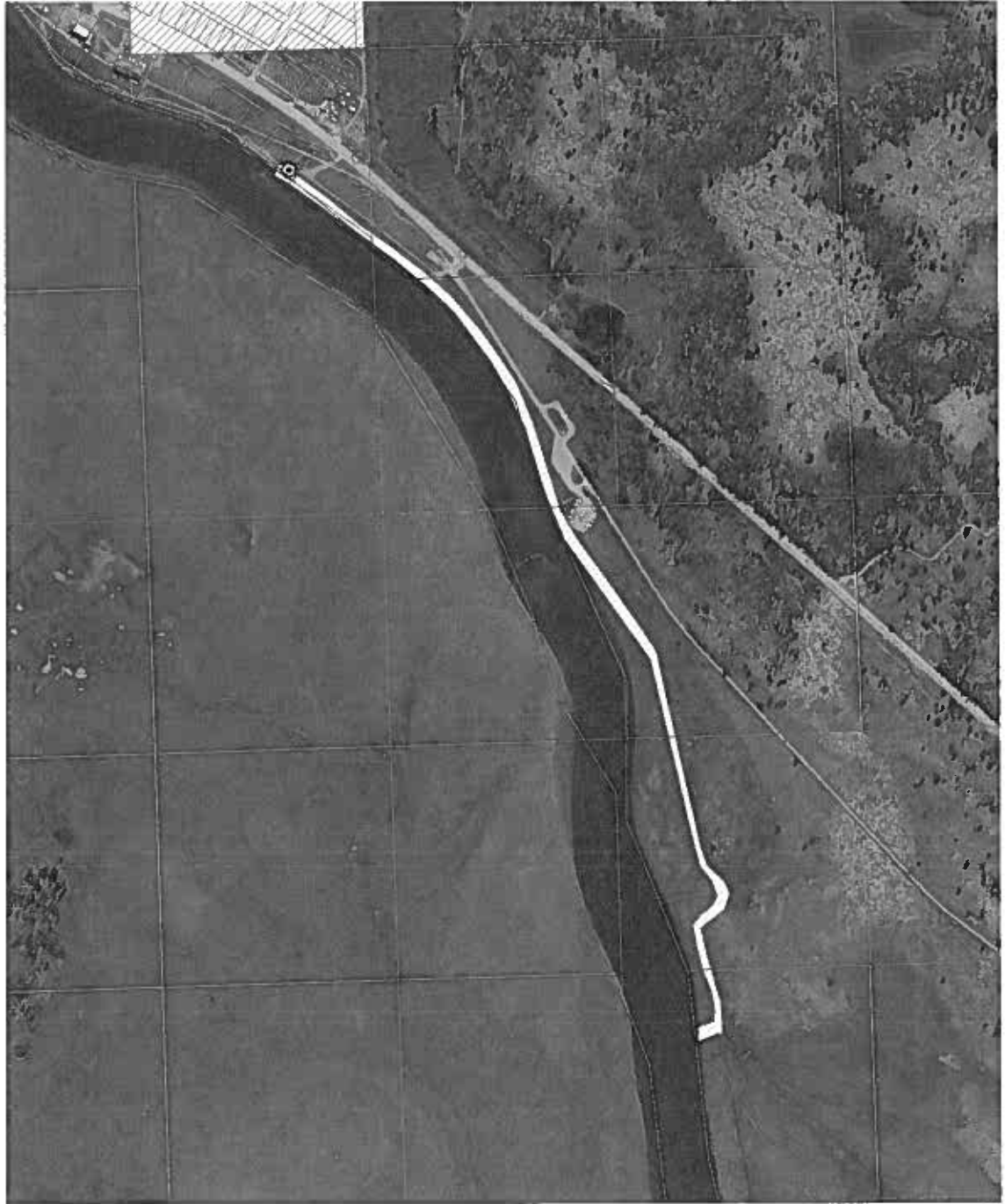
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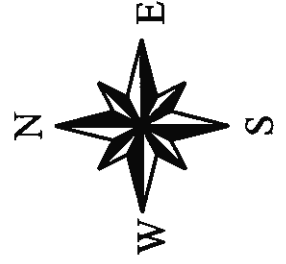
- Fremont taxlots
- GCDB12N43E GCDB
- Permit POD
- Permit POU
- Administrative Basins Adminbas.shp



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- Fremont taxlots
- GCDB12N43E GCDB
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0.6 Miles

0.3

0

0.3



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