

[illegible]

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.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

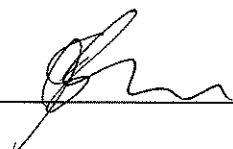
$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

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

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>
RECREATION	10/16 to 04/30	10.000 CFS	3887.66 AFA
<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 ☐ Other**I. AUTHENTICATION**Field Examiner's Name Joseph Larsen  Date September 20, 2007

Reviewer _____ Date _____

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

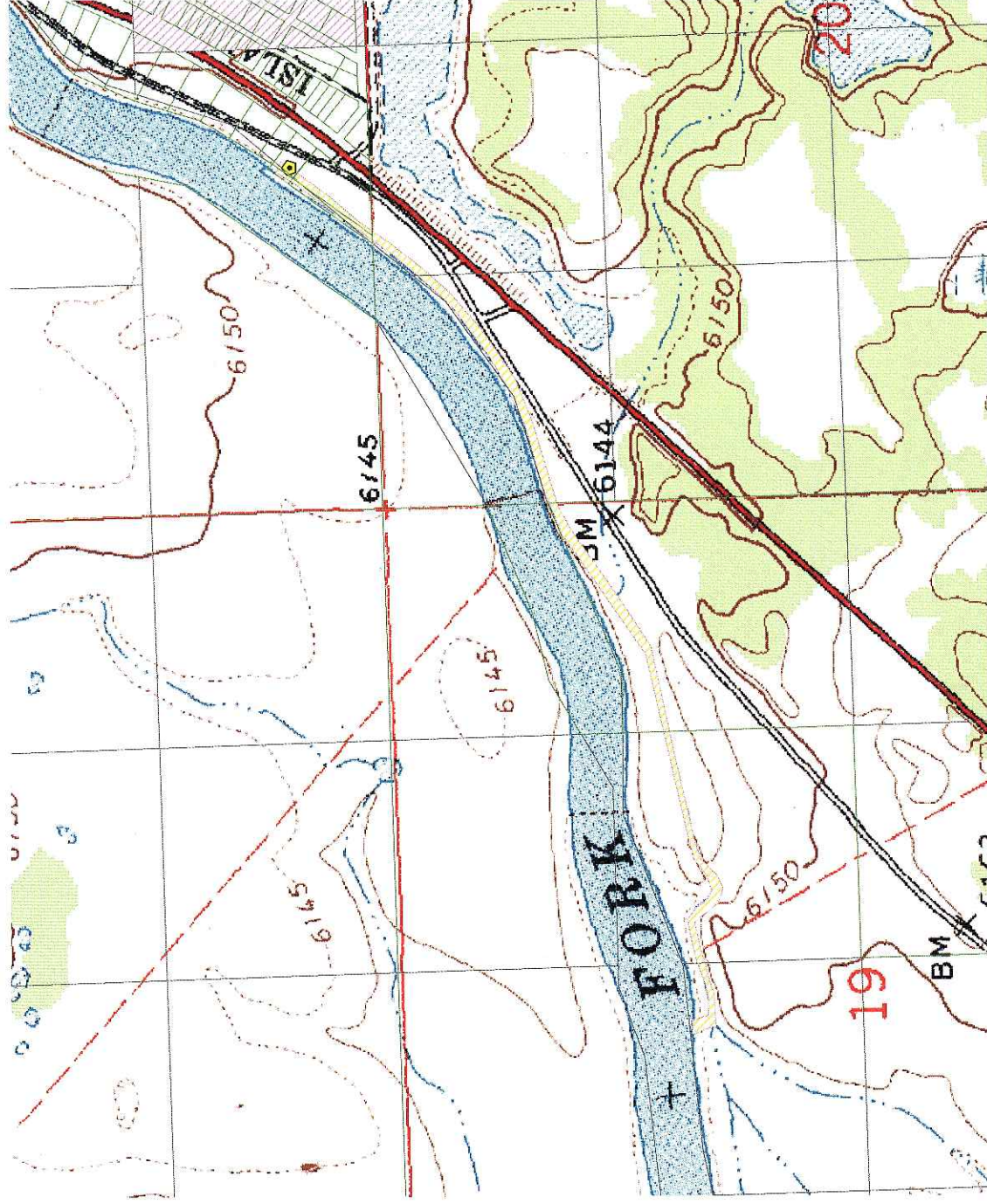
1-86
21-7380

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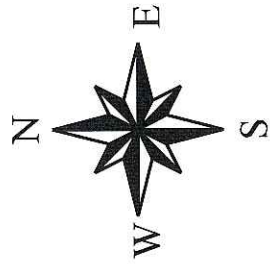
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Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	184	ISLAND PARK LAND & CATTLE CO.	HENRYS FORK	12N43E19	X	X			X	X	X			X							0
Right	185	ISLAND PARK LAND & CATTLE CO.	HENRYS FORK	12N43E19	X	X			X	X	X			X							0
Right	186	ISLAND PARK LAND & CATTLE CO.	HENRYS FORK	12N43E19	X	X			X	X	X			X							0
Right	21 4119	STATE OF IDAHO	HENRYS FORK	12N43E19			30	15				30	30		40	20					165
Permit	21 7587	HARRIMAN STATE PARK,	HENRYS FORK	12N43E19	X		X					X									0
Claim	21 4119	STATE OF IDAHO,	HENRYS FORK	12N43E19			30	15				30	30		40	20					165
Rec	21 12927	STATE OF IDAHO,	HENRYS FORK	12N43E19							20.5	11.7	4.8	11.3	18.7						67

Harriman State Park Permit # 21-7587



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



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