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Department of Water Resources

Permit No: 67-2390

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 67-2390

Exam Date: 9/23/1992

1. Current Owner: ARTHUR A FAIRCHILD
2324 AIRPORT RD
MIDVALE ID 83645
(208)355-2248

2. Accompanied by: Art Fairchild (now deceased)

Current Owner/Contact: Tree Top Ranches LP, c/o Larry Williams, President

Phone No: 377-0998

Address: PO Box 8126, Boise ID 83707

Relationship to Permit Holder: Son-in-Law & President; I of Tree Top Ranches LP

3. SOURCE

SAGE CREEK
UNNAMED STREAM
UNNAMED STREAMS

TRIBUTARY

WEISER RIVER
SAGE CREEK
SAGE CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 67-7732, 67-7899, 67-14107

2. Other water rights with the same point of diversion: 67-7732, 67-7899, 67-14107

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

UNNAMED STREAM	L2 NW1/4NE1/4	Sec. 3,	Twp 13N,	Rge 05W, B.M.
WASHINGTON County	(Injection)			
UNNAMED STREAM	NE1/4SE1/4	Sec. 3,	Twp 13N,	Rge 05W, B.M.
WASHINGTON County	(Rediversion)			
UNNAMED STREAM	NE1/4SE1/4	Sec. 3,	Twp 13N,	Rge 05W, B.M.
WASHINGTON County				
SAGE CREEK	NE1/4NW1/4	Sec. 23,	Twp 13N,	Rge 04W, B.M.
WASHINGTON County	(Rediversion)			
UNNAMED STREAM	NE1/4NE1/4	Sec. 34,	Twp 14N,	Rge 05W, B.M.
WASHINGTON County				
UNNAMED STREAM	SE1/4NW1/4	Sec. 20,	Twp 13N,	Rge 04W, B.M.
WASHINGTON County	(Injection)			
UNNAMED STREAMS	SW1/4NW1/4	Sec. 14,	Twp 13N,	Rge 05W, B.M.
WASHINGTON County				

Method of Determination: Exam

Method of Determination: 1992 FSA Maps, 1987 Aerial Photos/ArcView, Field Exam

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

4. See pump station summary notes in file dated 4/11/05 for details of 5 pumps that divert water into the irrigation system from Fairchild Reservoir No. 2.

<u>Well or Diversion</u> <u>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</u> <u>Size</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

D. FLOW MEASUREMENTS See File

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

E. FLOW CALCULATIONS

☐ X ☐ Additional Computation Sheets Attached

Measured Method:

See attached Mannings Equation-Data Collection sheet and computer calculations for capacity of ditch that feeds Fairchild Reservoir No. 1.

See attached calculations sheet dated 4/13/2005 for estimated capacity of ditch that feeds Fairchild Reservoir No. 2.

Stockwater flow rate was based on the department standard for 200 beef stock.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (5 \text{ af/ac allowed from storage}) = 827 \times 5 = 4135 \text{ af}$$

$$V_{D.R.} = \text{Fairchild Reservoir No. 1 Capacity} = 3700 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3700 \text{ af}$$

2. Volume Calculations for Other Uses:

$$200 \text{ beef stock} \times 12 \text{ gpd/hd} \times 365 \text{ dys} = 876000/325850 = 2.70 \text{ afa}$$

Fairchild Reservoir No. 1: 3700 af per D67-2390

G. NARRATIVE/REMARKS/COMMENTS

This permit was originally filed in 1967 for 3160 acres in the name of Art Fairchild. Sufficient fees were received in 1988 for proof of beneficial use listing irrigation of 750 acres (fees are still sufficient for the recommended 827 acres). An SRBA claim was filed by Fairchild Tree Top Ranch LTD in 1989 on this permit listing irrigation of 800 acres. Current tax records show the property owned by Tree Top Ranches LP. President of this partnership is Larry Williams. Larry is Art Fairchild's son-in-law. Art Fairchild is deceased.

Steve Lester met with Art Fairchild and conducted an exam on this system in 1992. The recommended diversion to storage is based on a Mannings measurement made on the diversion ditch in S34 T14N R5W, which is used to collect the entire flow of an unnamed stream. Water collected in the ditch is injected into another unnamed stream, aka Summerville Creek. The injected water, along with creek water, is then withdrawn into a ditch that is similar in size to the ditch measured above (basically a continuation of the first ditch). The ditch then feeds Fairchild Reservoir No. 1.

Fairchild Reservoir No. 1 has a capacity of 3700 af per Dam Safety File 67-2390. Storage water is released from the reservoir into an unnamed stream, which flows (injects) into Sage Creek. The water is then withdrawn from Sage Creek into a ditch and restored in Fairchild Reservoir No. 2 covered on right 67-7732. A Mannings measurement was attempted on this ditch during the 1992 exam, but the tripod broke. Steve calculated that a flow capacity of 1.0 cfs could easily be diverted from Sage Creek based on cross section and high water mark measurements taken at the flume located on the ditch. All of Sage Creek is diverted into this ditch, which includes the injected water from the upper reservoir.

Fairchild Reservoir No. 2 has a storage capacity of 108 af per Dam Safety File 67-7732. Permit 67-7732 covers 42 af storage volume and permit 67-7899 covers the remaining. Both permits list 1.0 cfs natural flow from Sage Creek. The purpose of the permits is basically to cover additional storage of natural flow water from Sage Creek in Fairchild Reservoir No. 2 that can occur when water is not being released and injected into Sage Creek from Fairchild Reservoir No. 1.

An 18 inch main diverts water from Fairchild Reservoir No. 2 to a pumping station consisting of 5 pumps that feed 2 mainlines used for sprinkler irrigation.

Total acres recommended for licensing were determined using FSA maps collected at the time of the field exam and ArcView. The north edge of the pivot located in the SWSE S11 was not recommended because the edge is not on property owned by the Tree Top Ranches. The pivot appears to slightly sprinkle beyond Tree Tops property line. All 827 acres recommended for licensing are owned by Tree Top Ranches LP, as confirmed by current Washington County tax records and Larry Williams. Please send a change in ownership form with the draft license.

Permit 67-2390 lists irrigation and stockwater uses and 4000 af storage. Flow rate and storage uses were not listed. The original application was filed in 1967 based on old terminology. The licensing recommendations reflect current department standards for the system developed.

Other overlaps include SRBA claims 67-14107 and 67-2302. Claim 67-14107 lists the same p/d from Sage Creek in S23 for irrigation of generally the same lands recommended for licensing. The claim is a combination of several decreed rights from Sage Creek. Claim 67-2302 is for ground water irrigation of 10 acres in S13 that appear to be separate from the acres recommended for licensing. The SRBA staff handling claims 67-2390 & 67-14107 have been notified and sent copies of this field exam report.

Please see file 67-2390 for additional exam details. Please note that when Steve composed his field exam notes and summary, he was unaware that the upper stock ponds above Fairchild Reservoir No. 1 are located on BLM property. As a result, stockwater storage cannot be licensed under this right as recommended by Steve. The stockwater p/u recommended for licensing is only on lands owned by Tree Top Ranches. Larry Williams confirmed the cattle number and type, which coincides with the amount listed on SRBA claim 67-2390. Steve was also unaware that permit 67-7899 was filed for the remaining storage in Fairchild Reservoir No. 2.

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>
DIVERSION TO STORAGE	01/01 to 12/31	3.160 CFS	
IRRIGATION FROM STORAGE	03/15 to 10/31		3,700.00 AF
IRRIGATION STORAGE	01/01 to 12/31		3,700.00 AF
STOCKWATER	01/01 to 12/31	0.050 CFS	2.70 AF
	<u>Totals:</u>	3.160 CFS	3,702.70 AF

2. Recommended Amendments

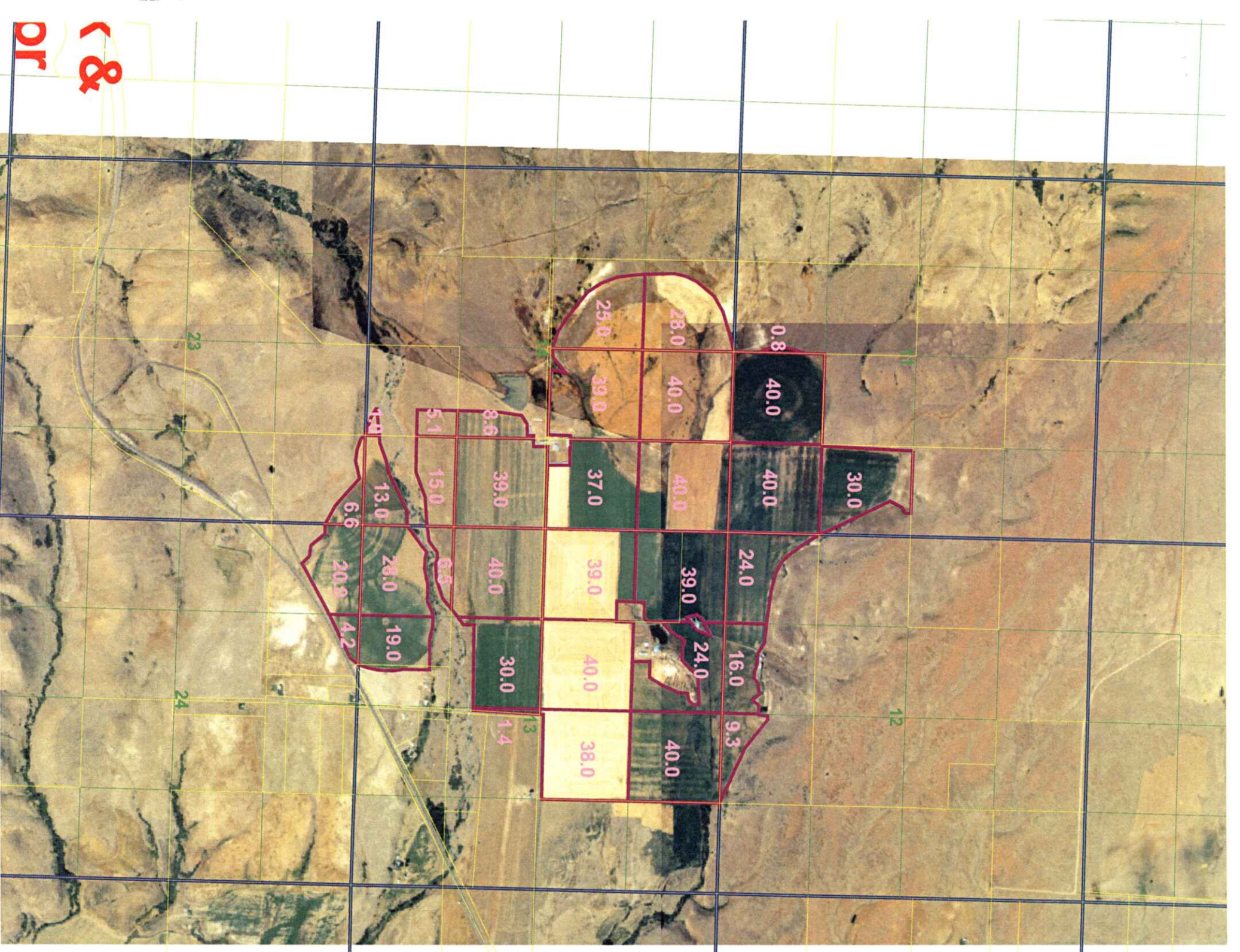
☒X Change P.D. as reflected above ☒X Add P.D. as reflected above ☐None

☒X Change P.U. as reflected above ☐Add P.U. as reflected above ☐Other

I. AUTHENTICATION

Field Examiner's Name W. Guzman Date 6/1/05

Reviewer _____ Date _____



r &
or