

# **WATERMASTER'S REPORT 2010**

## **DISTRICT 75A COVER LETTER**

**RECEIVED**

**JAN 24 2011**

**DEPARTMENT OF  
WATER RESOURCES**

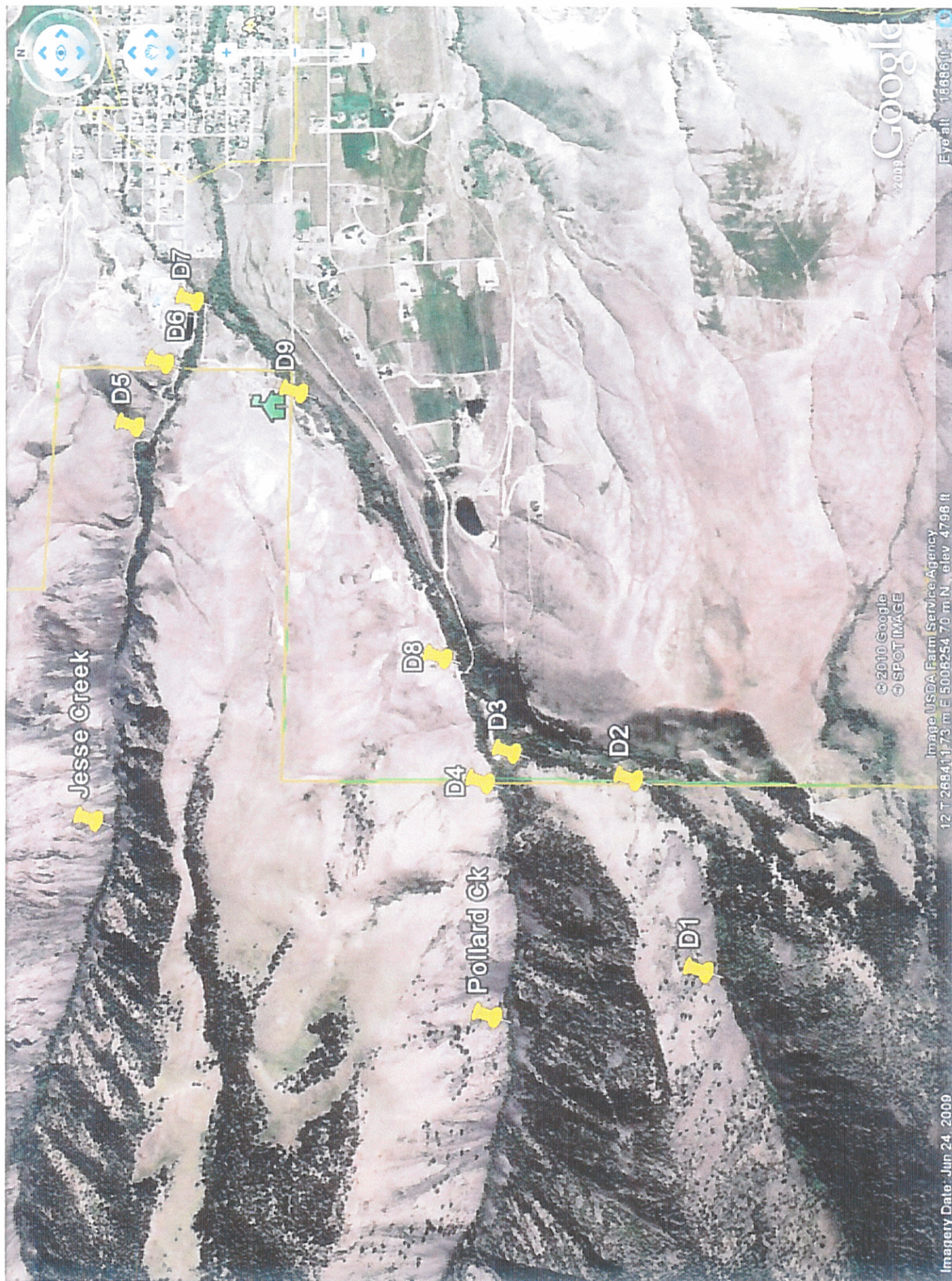
### **DISCLAIMER**

The watermaster report for 2010 and the proposed budget for 2011 rely on data from the previous years reports. This is due to the fact that the watermaster was not hired until well after the irrigation season began and did not undertake any actual water administration until very late in the season. Due to the unusually plentiful supply of water, the watershed was not "under regulation" during the irrigation season, barring two minor and brief episodes involving the supplementation from Pollard Canyon Creek (DIV 4) to the City of Salmon's main water delivery diversion (DIV 5). Each incident involved just 1 cfs over a one day period. The other "exception" involved the normal cooperation of Dale Edwards in voluntarily passing flows past his Chipps Creek diversion (DIV 1) to ensure adequate water at Arrowhead's diversion downstream on Chipps Creek (DIV 2). Edward's actions were "standard procedure" in the cooperative relationship between Edwards (holding primarily water rights junior to Arrowhead's) and Arrowhead.

This report will include only actual measurements taken by the watermaster to familiarize himself with the watershed and its diversions and to ascertain any consumption trends, as well as some reported withdrawals from DIV 1 through the cooperation and with the assistance of Mr. Edwards. These limited measurements are insufficient to extrapolate consumption for budgeting purposes. We assume that lack of regulation allowed for fulfillment of all water rights within their priority sequence.

Beyond these limitations lies the fact that all disputes among the parties have not been fully resolved and the watermaster is awaiting results of litigation toward final adjudication. As a result, it appears that the complex distribution of water rights in the forthcoming year will rely on full cooperation among the irrigators and on the ability of the watermaster to occasionally arbitrate and to utilize "fair judgment" in interpreting the latest instructions from IDWR.





Jesse Creek

Pollard Ck

D5

D6 D7

D9

D8

D4

D3

D2

D1

© 2010 Google  
SPOT IMAGE

Google

Image USDA Farm Service Agency  
12 T 26841173 m E 5006254 70 m N elev 4798 ft

Imagery Date: Jun 24, 2009

Eye alt: 18886 ft



# **SUGGESTED MODIFICATIONS AT DIVERSIONS**

There appear to be structural, design or operational problems at diversions throughout the Jesse Creek drainage (please see photos included in the main body of the report).

Some questions or complaints have been raised by District 75A irrigators and some problems have been observed by the watermaster in the course of performing his duties. With the possible exception of the lightly used PODs #6 & 8, all measuring devices are, to varying degrees, suspect. An appropriate course of action would be to provide an IDFG employee with proper equipment to measure and validate accuracy at all measuring devices.

Specifically, DIV 1, with a difficult (when possible) access, requires as much of a non-intrusive measuring device as possible due to its location in a perched and vulnerable ditch. The irrigator and watermaster are currently working on a design (an adjustable submerged orifice) that may be effective and accurate at varying flows. DIV 2A (new nomenclature for the POD assigned by the watermaster to the Arrowhead agricultural water right) has a measuring device in a state of collapse and requires restructuring. The high velocity at DIV 3 makes accuracy doubtful as does the non-contracting, low velocity, rectangular weirs at DIV 4 and 5 (note that measurements may be alternatively provided by accessing the installed meter at the water plant). DIV 7 is a Parshall flume with gage placed in the wrong location. The headgate, blowoff, measuring device at DIV 9 consists of a collapsed wooden structure and needs replacement of all its components. Furthermore, an entirely new device may be required to measure Chipps Creek flow past DIV 2 to allow for withdrawal from Pollard Canyon Creek by Arrowhead (75-05).



D1



D2





D3



D4





D5



City pond overflow



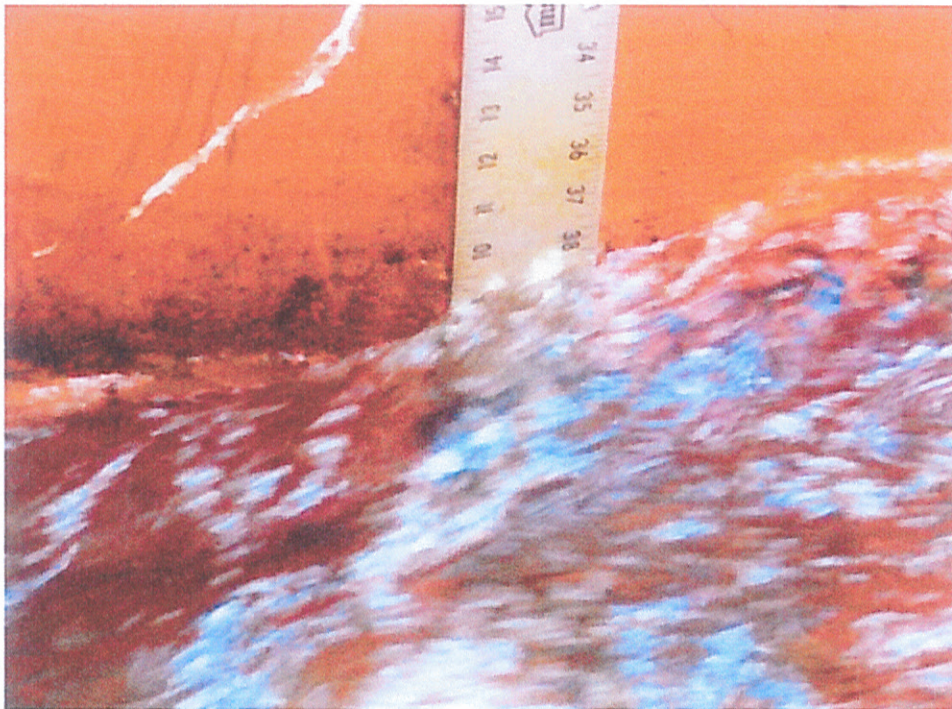


D6



D7





needs  
moved  
2/3 →  
upstream  
ball

D7 gage



D8





D9 structure



D9 weir



# ACTUAL FLOWS AT PODS - 2010

POD	DATE	AMOUNT IN CFS	METER READING	MEASURE DEVICE	COMMENTS
2	7/11/10		80459300	meter	
4	7/11/10	0.00		rectangular weir	
7	7/11/10	7.00*		Parshall flume	7.8*
8	7/11/10	0.65		rectangular weir	
2A	7/11/10	0.30		rectangular weir	agriculture
5	7/12/10	3.74		rectangular weir	
6	7/12/10	0.10		Cippoletti weir	
5 pond spill	7/12/10	1.80		Parshall flume	pond overflow relevance undetermined
5	7/23/10	2.90		rectangular weir	
1	7/24/10	3.50		Cippoletti weir	
5	7/24/10	3.90		rectangular weir	
7	7/24/10	5.53*		Parshall flume	6.1*
8	7/24/10	0.88		rectangular weir	
2A	7/24/10	0.66		rectangular weir	agriculture
5 pond spill	7/24/10	1.45		Parshall flume	pond overflow relevance undetermined
1	7/31/10	1.31		Cippoletti weir	reported by Edwards
1	8/15/10	1.23		Cippoletti weir	reported by Edwards
6	8/18/10	0.06		Cippoletti weir	low flow estimated
4	8/19/10	1.00		rectangular weir	1st call for watermaster /added 1cfs
5	8/19/10	2.24		rectangular weir	
7	8/19/10	4.5*		Parshall flume	5.3*
8	8/19/10	0.65		rectangular weir	
1	8/24/10	0.98		Cippoletti weir	reported by Edwards
4	9/20/10	0.87		rectangular weir	
2	10/8/10		83020700	meter	22 gpm domestic
4	10/8/10	1.06		rectangular weir	turned off to 0.00 after reading
5	10/8/10	1.62		rectangular weir	capturing entire Jesse flow
6	10/8/10	0.04		Cippoletti weir	low flow estimated
7	10/8/10	4.57*		Parshall flume	*5.39 *water master gage differs
8	10/8/10	0.31		rectangular weir	
2A	10/8/10	0.00		rectangular weir	agriculture
5 pond spill	10/8/10	0.10		Parshall flume	pond overflow relevance undetermined
4	10/10/10	1.00		rectangular weir	added at City request



## ACTUAL FLOWS AT PODS - 2010

7	10/10/10	4.05*		Parshall flume	4.7*
9	10/10/10	0.25		damaged wood structure/requires replacement	estimated leakage down ditch /never on during watermaster 2010 tenure
4	10/12/10	0.00		rectangular weir	turned off at City request
5	10/29/10	1.50		rectangular weir	City meter indicates 1.7 cfs 767 gpm
6	10/29/10	0.05		Cippoletti weir	low flow estimated
7	10/29/10	4.05*		Parshall flume	4.7*
2	10/30/10		83568200	meter	16 gpm domestic
3				rectangular weir	never on during watermaster 2010 tenure



**COVER SHEET A**

**REPORT ATTACHMENT**

**RECORD OF  
WATER RIGHTS AND ASSOCIATED  
DIVERSIONS BY PRIORITY DATE  
(IN USE THROUGH 2010)**

**AND**

**WATER RIGHTS QUIT CLAIMED TO  
ARROWHEAD TO BE DIVERTED IN 2011**

IN USE 2010

PRIORITY	WATER RIGHT NUMBER	WATER USER	PRIORITY DATE	AMOUNT CFS	IN	DIVERSION POINT
1	75-00018	CITY	06/01/1867	0.3	15	D5 WATER WORKS
1	75-00016	CITY	06/01/1867	2.0	100	D5 WATER WORKS
1	75-00017A	CITY	06/01/1867	1.26	63	D5 WATER WORKS
1	75-00017B	CITY	06/01/1867	0.24	12	D5 WATER WORKS
TOTAL:				3.80	190	
2	75-00019A	BLACKADAR	06/01/1868	1.31	65	D7 FARMERS DITCH
2	75-00019B	CITY	06/01/1868	0.49	25	D5 WATER WORKS
2	75-00019C	CITY	06/01/1868	1.50	75	D5 WATER WORKS
2	75-00019D	ARROWHEAD	06/01/1868	0.3	15	D2 CHIPS CREEK
3	75-00024	GAVER	06/01/1877	0.1	5	D7 FARMERS DITCH
4	75-00021	ARROWHEAD	05/01/1883	0.1	5	D2 CHIPS CREEK
5	75-00026A	CITY	05/01/1884	0.3	15	D5 WATER WORKS



PRIORITY	WATER RIGHT NUMBER	WATER USER	PRIORITY DATE	AMOUNT CFS	IN	DIVERSION POINT
5	75-00026B	M. WILSON	05/01/1884	0.2	10	D7 FARMERS DITCH
6	75-00020	GAVER	06/01/1888	0.3	15	D6 JESSE CREEK
7	75-00022	ARROWHEAD	05/01/1889	2.0	100	D2 CHIPS CREEK
8	75-00003	M. AUSTIN	04/01/1894	1.4	70	D7 FARMERS DITCH
8	75-00005	ARROWHEAD	04/01/1894	5.0	250	D8 POLLARD CREEK
8	75-00001	SCHULENBURGER AND SORENSEN	04/01/1894	0.7	35	D7 FARMERS DITCH
8	75-00007	CITY	04/01/1894	4.0	200	D5 WATER WORKS
8	75-00113	BLACKADAR	04/01/1894	2.0	100	D7 FARMERS DITCH
8	75-00009	M. AUSTIN	04/01/1894	1.5	75	D7 FARMERS DITCH
8	75-00002	G. EDWARDS	04/01/1894	1.7	85	D1 CHIPS CREEK
9	75-00014	J. PROKSCH	04/01/1902	1.2	60	D9 POLLARD CREEK

PRIORITY	WATER RIGHT NUMBER	WATER USER	PRIORITY DATE	AMOUNT CFS	IN	DIVERSION POINT
10	75-00010	EDWARDS	09/01/1914	1.6	80	D1 CHIPS CREEK
11	75-00013	SORENSEN AND SCHULENBERGER	09/14/1914	0.6	30	D6 JESSE CREEK
11	75-00012	EDWARDS	09/14/1914	1.6	80	D1 CHIPS CREEK
11	75-00011	EDWARDS	09/14/1914	1.1	60	D1 CHIPS CREEK
12	75-07563	CITY	12/03/1990	5.0	250	D5 WATER WORKS

- 1 CFS  
summer



**Summary of water rights quit claim deeded to Arrowhead per Cummings litigation.  
To be diverted in 2011 by Arrowhead**

75-	75-5(1894)	75-22(1889)	75-21(1883)	75-19G(1868)
<b>R ALLEN</b>				
14668	0.031			
14672				0.001
14676			0.001	
14680		0.012		
<b>FELDHUSEN</b>				
14650	0.031			
14655				0.001
14660			0.001	
14665		0.012		
<b>K BELL</b>				
14670	0.026			
14674				0.001
14678			0.0004	
14682		0.01		
<b>L LIU</b>				
14649	0.015			
14654				0.001
14659			0.0002	
14664		0.006		
<b>G MILDON</b>				
14648	0.031			
14653				0.001
14658			0.001	
14663		0.012		
<b>M MARKEIZ</b>				
14651	0.061			
14656				0.002
14661			0.001	
14666		0.024		
<b>TOTAL cfs</b>				
	0.195	0.076	0.0046	0.007

Chipps Creek  
should not be  
listed as a source  
and point of  
diversion on  
ARROWHEAD  
Right No. 75-5.

. The partial decree for ARROWHEAD water right 75-5 will have a point of diversion from Chipps Creek and a point of diversion from Pollard Canyon Creek, with a provision that water right 75-5 can be taken from the Chipps Creek point of diversion only when the April 1, 1985 and later dates are in priority. Water right 75-5 will maintain its April 1, 1894 priority at the Pollard Canyon Creek point of diversion now recommended by IDWR.

. The partial decree for ARROWHEAD water right 75-22 will have a point of diversion from Chipps Creek and a point of diversion from Pollard Canyon Creek, with a provision that water right 75-22 can be taken from the Pollard Canyon Creek point of diversion only to the extent there is undiverted in-priority flow present at the Chipps Creek point of diversion.

. The partial decree for ARROWHEAD's enlargement claim number 75-14465 will contain a 40-acre foot per year limitation for storage to reflect actual capacity and historic use of ARROWHEAD reservoir.

. Arrowhead will install and maintain measuring devices as determined necessary by IDWR to administer diversion and use of water from Chipps Creek and Pollard Canyon Creek in accordance with the terms of The Agreement.