



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

FAX (208) 334-2348

JAMES E. RISCH
Governor

KARL J. DREHER
Director

November 24, 2006

COPY

Paul Nettleton, Secretary
14568 Joyce RCH
Murphy, ID 83650

RE: 2006 Watermaster Report- Sinker Creek

Dear Mr. Nettleton

Enclosed is a copy of the Watermaster's Annual Report for the 2006 irrigation season. This Department in conformity with Idaho Code Sections has approved the report 42-610 thru 42-615. **The Watermaster should be compensated for services conforming to the report**

Feel free to contact me if you have any questions, phone 334-2190.

Sincerely,

A handwritten signature in cursive script, appearing to read 'John Westra'.

John Westra
Western Region

Enclosure

CC. Nick Ihli

WATERMASTER'S REPORT

From March 15, 2006, ~~19~~ To November 15, 2006, ~~19~~

RECEIVED

NOV 21 2006

WATER RESOURCES
WESTERN REGION

Water District No. 57-D

Name of Watermaster Nick Ihli

P.O. Address P. O. Box 25, Murphy, ID 83650

AFFIDAVIT OF WATERMASTER

STATE OF IDAHO }
COUNTY OF Owyhee } ss.

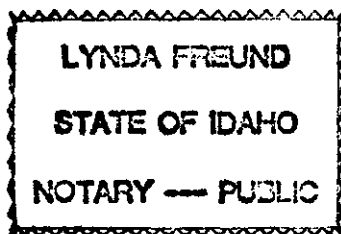
Nick Ihli, being first duly sworn, deposes and says that he is Watermaster of Water District 57-D, having been lawfully appointed by Karl J. Dreher, Director, Idaho Department of Water Resources, and that the volumes of water, as stated in this report and prorated by him to the water right holders of the district are correct.

Nick Ihli

(Deputy) Watermaster District No. 57-D

Subscribed and sworn to before me, this 20th day of November, 2006

(SEAL)



Lynda Freund

Notary Public

My Commission expires 12/15/2010

Boise, Idaho, _____, 19____

I HEREBY CERTIFY, that Nick Ihli was lawfully appointed by me as Water Master of Water District No. 57D, and that the information contained in this report, as herein sworn to, is, to the best of my knowledge and belief, correct.

Karl Dreher

Director, Department of Water Resources

By

J. Westra, Mayor
Western Region

	WATER RIGHT OWNER	IDWR WATER RIGHT IDENT No.	DIVERSION NAME / REMARKS
1	Joyce Livestock Co.	00180A	
2	Joyce Livestock Co.	10428	
3			
4			
5	Murphy Water Co. (Hulet)	00179	
6	Murphy Water Co.	00180B	
7	Murphy Water Co.	00181	
8	Hulet Reservoir	07152	
9			
10			
11	John Edwards	00001B	
12			
13			
14	Sierra Del Rio Rch	00177	
15	Sierra Del Rio Rch	00178	
16	Sierra Del Rio Rch	0221	
17	Sierra Del Rio Rch	10470	
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

[illegible]

SECTION 42-606 IDAHO CODE

REPORTS OF WATERMASTERS. All watermasters shall make an annual report to the department of water resources prior to the expiration of the watermaster's appointment for the current year. This report shall show the total amount of water delivered by the watermaster during the preceding year, the amount delivered to each water user, the total expense of delivery and the apportionment of expenses among users and all debits and credits to be carried over to the following year. Such report shall also include records of stream flow the watermaster used or made in the process of distributing water supplies. The director may ask for other information deemed necessary in assuring proper distribution of water supplies within the district. The reports of watermasters to the department of water resources shall be filed and kept in the office of the department.

Instructions For Completing Annual Watermaster's Report

This form has been developed to assist the watermaster in complying with some of the annual reporting requirements of Section 42-606, Idaho Code. The form provides for summary of the amount of water delivered by the watermaster to each user, the total expense of delivery and the apportionment of expenses among water users, including debits and credits. Water distribution and hydrologic information including stream flow records, daily diversion data, water right information and water right priority cut summaries should be presented in a separate water distribution report.

Complete this annual report form of delivery and costs as follows:

- 1) Enter water right holder name, corresponding IDWR water right number or numbers, and corresponding diversion name and/or remarks on page 2;
- 2) Enter the total amount of water delivered to each user as total 24-hour second feet under column 1, page 3. Total **24-hour second feet** is a flow rate expressed in terms of one day or 24 hours. For example, a continuous diversion of 2 cfs over 20 days would equal 40 24-hour second feet.
- 3) Under column 3, page 3, enter the amount of money assessed or billed to each user at the beginning of the year. The assessment may be found in the previous year's adopted budget report.
- 4) In the work space provided on the right hand side of page 3, add up total watermaster salary costs and expenses and enter as "TOTAL COST". Then divide this total cost by the total number of 24-hour second feet delivered (sum of column 1) to obtain the cost per 24 hour second feet delivered, or the unit cost factor.
- 5) Under column 2, page 3, multiply the unit cost factor (obtained in step number 4 above) by each user's total 24-hour second feet delivery in column 1 to obtain the total cost against each user.
- 6) For each user, subtract the total cost amount in column 2 from the adopted budget in column 3 and enter the difference either as a credit or debit (negative differences entered as debits, positive differences entered as credits).
- 7) Sign the report before a notary public and submit the original to the appropriate regional office of the Department of Water Resources. Retain one copy for the Water District.

SINKER CREEK WATERMASTER REPORT

DATE Apr. 13, 2006**Instructions for completing form**

1. Measure flows at Q1, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 160
HULET (natural)D2 22.40
HULET (stored)D3 _____
JLLQM 23.0
CANAL TOTALQ1 West
INLETHulet
Reservoir

MMC

QA 12.0
CREEKD4 6.0D5 6.0

D6 _____

D7 _____

D8 _____

D9 _____

12.0
JLL TOTAL

Sinker Creek

D10 _____
EDWARDSD11 _____
NAHASQB _____
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>0.60</u>		
D3 Joyce*	1-5	18.61**				<u>12.0</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				
D11 Nahas	6	2.63				
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>24.40</u>		
D11 Nahas	10a	0.97				
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

first day on ditch. Called on by Paul Nettleton.
Lots of winter damage from January flood + thereafter.
Upper weir completely washed out. Reservoir full,
water going over spillway.

Mileage 25

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE Apr. 22, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 160
HULET (natural)D2 29.77
HULET (stored)D3 _____
JLLQM 30.37
CANAL TOTALQI West
INLETHulet
Reservoir

MMC

QA 16.5
CREEKD4 3.0D5 3.0D6 3.0D7 3.0D8 4.0D9 1.516.5
JLL TOTALD10 _____
EDWARDSD11 _____
NAHASQB _____
CREEKNahas
Reservoir**Computing Natural Flows**

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

SNAKE RIVER

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>.60</u>		
D3 Joyce*	1-5	18.61**				<u>16.5</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				
D11 Nahas	6	2.63				
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>29.77</u>		
D11 Nahas	10a	0.97				
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Reservoir full, going over spillway.
lots of water down creek.

Mileage 35

Nick Shli
WATERMASTER SIGNATURE

7/97

Page 1

SINKER CREEK WATERMASTER REPORT

DATE April 25, 2006

Instructions for completing form

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 1.60
HULET (natural)

D2 21.84
HULET (stored)

D3 10.93
JLL

QM 33.37
CANAL TOTAL

QI West
INLET

QA 9.0
CREEK

D4 2.0

D5 2.0

D6 1.0

D7 2.0

D8 1.0

D9 _____

19.93
JLL TOTAL

QB 1.97
CREEK
D11 2.75
NAHAS

D10 _____
EDWARDS

Nahas
Reservoir

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

APR 25 2006
SINKER CREEK
WATERMASTER REPORT

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>0.60</u>		
D3 Joyce*	1-5	18.61**				<u>19.93</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				
D11 Nahas	6	2.63				<u>2.75</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>21.84</u>		
D11 Nahas	10a	0.97				<u>0.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Reservoir full, water over spillway.
Edwards still off. Using his wells for pumping.

Mileage 35

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE June 8, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 1.60
HULET (natural)D2 25.47
HULET (stored)D3 10.93
JLLQM 37.0
CANAL TOTALQI 25.0 est.
INLETHulet
Reservoir

MMC

QA 9.0
CREEKD4 2.0D5 2.0D6 2.0D7 2.0D8 1.0

D9 _____

19.93
JLL TOTAL

Sinker Creek

D10 5.14
EDWARDSD11 2.63
NAHASQB .97
CREEK

SNAKE RIVER

Nahas
Reservoir**Computing Natural Flows**

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>1.60</u>		
D3 Joyce*	1-5	18.61**				<u>19.93</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.14</u>
D11 Nahas	6	2.63				<u>2.63</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>25.47</u>		
D11 Nahas	10a	0.97				<u>.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow 25.0 est. Upper weir still out.
Reservoir @ 65 ft level.
water still going into Snake River.

Mileage 45

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE June 14, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1
HULET (natural)D2
HULET (stored)D3
JLLQM 0
CANAL TOTALQI No est.
INLETHulet
Reservoir

MMC

QA 9.0
CREEKD4 2.0D5 2.0D6 2.0D7 2.0D8 1.0D9 9.0

JLL TOTAL

Sinker Creek

D10 5.14
EDWARDSD11 2.63
NAHASQB .97
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6				
D3 Joyce*	1-5	18.61**				9.0
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				5.14
D11 Nahas	6	2.63				2.63
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4				
D11 Nahas	10a	0.97				.97
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Shut down all Murphy mutual ditch;
good rain yesterday.
Reservoir at 62 ft level.
No est of Inflow.

Mileage 25

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE June 21, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 160
HULET (natural)D2 1604
HULET (stored)D3 5.0
JLLQM 22.0
CANAL TOTALQI 21.0 est.
INLETHulet
ReservoirQA 21.0
CREEKD4 2.0D5 2.0D6 2.0D7 2.0D8 2.0D9 2.017.0
JLL TOTAL

MMC

Sinker Creek

D10 5.14
EDWARDSD11 2.63
NAHASQB 197
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>1.60</u>		
D3 Joyce*	1-5	18.61**				<u>17.0</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.14</u>
D11 Nahas	6	2.63				<u>2.63</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>16.4</u>		
D11 Nahas	10a	0.97				<u>.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow 21.0 est. Weir still out.
Reservoir @ 66 ft level.

Mileage 30

Nick Shes
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE June 26, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 160
HULET (natural)

D2 15.4
HULET (stored)

D3 7.49
JLL

QM 23.49
CANAL TOTAL

QI 20.0 est.
INLET

Hulet Reservoir

MMC

QA 12.0
CREEK

D4 2.0D5 2.0D6 2.0D7 2.0D8 2.0D9 2.0

19.49
JLL TOTAL

Sinker Creek

D10 5.14
EDWARDS

D11 2.63
NAHAS

QB .97
CREEK

Nahas Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>1.60</u>		
D3 Joyce*	1-5	18.61**				<u>19.49</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.14</u>
D11 Nahas	6	2.63				<u>2.63</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>15.4</u>		
D11 Nahas	10a	0.97				<u>1.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow 20.0 est.
Res. @ 64 ft.

Mileage 35

Mick J. Lee
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE June 28, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 160
HULET (natural)D2 15.4
HULET (stored)D3 8.0
JLLQM 24.0
CANAL TOTALQI 12.0
INLETHulet
Reservoir

MMC

QA 4.0
CREEKD4 1.0D5 1.0D6 1.0D7 1.0

D8 _____

D9 _____

12.0
JLL TOTAL

Sinker Creek

D10 5.14
EDWARDSD11 2.63
NAHASQB 1.97
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>16.0</u>		
D3 Joyce*	1-5	18.61**				<u>12.0</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.14</u>
D11 Nahas	6	2.63				<u>2.63</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>15.4</u>		
D11 Nahas	10a	0.97				<u>.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 12.0 est.
Reservoir @ 63 ft level.

Mileage 35

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE July 5, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 860
HULET (natural)D2 12.40
HULET (stored)D3 8.0
JLLQM 21.0
CANAL TOTALQI 9.0 est
INLET

Hulet Reservoir

MMC

QA 1.0
CREEKD4 1.0

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

9.0
JLL TOTAL

Sinker Creek

D10 5.14
EDWARDSD11 2.63
NAHASQB 0.97
CREEK

Nahas Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>1.60</u>		
D3 Joyce*	1-5	18.61**				<u>9.0</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.14</u>
D11 Nahas	6	2.63				<u>2.63</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>12.40</u>		
D11 Nahas	10a	0.97				<u>0.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 9.0 est. still no weir
Reservoir @ 60 ft level.

Mileage 35

Nick Jhel
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE July 7, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 1.60
HULET (natural)D2 11.40
HULET (stored)D3 7.0
JLLQM 19.0
CANAL TOTALQI 8.0 est.
INLETHulet
ReservoirQA 1.6
CREEK

MMC

D4 1.0

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

8.0
JLL TOTAL

Sinker Creek

D10 5.14
EDWARDSD11 2.63
NAHASQB .97
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\quad}{D1} + \frac{\quad}{D3} + \frac{\quad}{QA} = \frac{\quad}{NA}$$

$$\left(\frac{\quad}{JLL} + \frac{\quad}{D10} + \frac{\quad}{D11} + \frac{\quad}{QB} \right) - \frac{\quad}{QA} = \frac{\quad}{GA-B}$$

$$\frac{\quad}{GA-B} + \frac{\quad}{NA} = \frac{\quad}{NB}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		0.60		
D3 Joyce*	1-5	18.61**				8.0
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				5.14
D11 Nahas	6	2.63				2.63
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		11.40		
D11 Nahas	10a	0.97				.97
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 8.0 est.
Reservoir @ 59ft.

Mileage 35

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE July 13, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 160
HULET (natural)

D2 9.9
HULET (stored)

D3 7.0
JLL

QM 17.5
CANAL TOTAL

QI 5.0 est
INLET

QA 1.0
CREEK

D4 1.0

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

8.0
JLL TOTAL

D10 5.14
EDWARDS

D11 263
NAHAS

QB 197
CREEK

Nahas
Reservoir

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

Snake River

Hulet
Reservoir

MMC

Sinker Creek

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>1.60</u>		
D3 Joyce*	1-5	18.61**				<u>8.0</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.14</u>
D11 Nahas	6	2.63				<u>2.63</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>9.9</u>		
D11 Nahas	10a	0.97				<u>.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 5.0 est. - no weir.
Reservoir @ 58 ft.

Mileage 35

Nick J. H.
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE July 17, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 1.60
HULET (natural)

D2 9.9
HULET (stored)

D3 3.0
JLL

QM 13.5
CANAL TOTAL

QI 4.0
INLET

Hulet Reservoir

QA 1.0
CREEK

MMC

D4 1.0

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

4.0
JLL TOTAL

D10 5.14
EDWARDS

D11 2.63
NAHAS

QB 6.97
CREEK

Nahas
Reservoir

Snake River

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>1.60</u>		
D3 Joyce*	1-5	18.61**				<u>4.0</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.14</u>
D11 Nahas	6	2.63				<u>2.63</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>9.9</u>		
D11 Nahas	10a	0.97				<u>1.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 4.0 est.
Reservoir @ 52 ft.

Mileage 35

Nick Phelps
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE July 24, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 1.60
HULET (natural)D2 7.9
HULET (stored)D3 3.0
JLLQM 11.5
CANAL TOTALQI 4.0 est
INLETHulet
Reservoir

MMC

QA 1.0
CREEKD4 1.0

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

4.0
JLL TOTAL

Sinker Creek

D10 5.14
EDWARDSD11 2.63
NAHASQB 1.97
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>1.60</u>		
D3 Joyce*	1-5	18.61**				<u>4.0</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.14</u>
D11 Nahas	6	2.63				<u>2.63</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>7.9</u>		
D11 Nahas	10a	0.97				<u>1.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 4.0 est.
Reservoir @ 52 ft level.

Mileage 40

Nick Sheli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE July 28, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 6.0
HULET (natural)D2 7.9
HULET (stored)D3 3.0
JLLQM 11.5
CANAL TOTALQI 2,025
INLETHulet
Reservoir

MMC

QA 1.0
CREEKD4 1.0

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

4.0
JLL TOTAL

Sinker Creek

D10 5.14
EDWARDSD11 2.63
NAHASQB 1.97
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>.60</u>		
D3 Joyce*	1-5	18.61**				<u>4.0</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.14</u>
D11 Nahas	6	2.63				<u>2.63</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>7.9</u>		
D11 Nahas	10a	0.97				<u>*97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 2.0 est.
Reservoir @ 50 ft level.

Mileage 35

Nick Ileri
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE July 29, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 160
HULET (natural)

D2 7.4
HULET (stored)

D3 _____
JLL

QM 8.0
CANAL TOTAL

QI 2.0
INLET

QA 2.0
CREEK

D4 1.0D5 1.0

D6 _____

D7 _____

D8 _____

D9 _____

2.0
JLL TOTAL

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

SNAKE RIVER

QB 197
CREEK

D11 263
NAHAS

D10 5.14
EDWARDS

Nahas
Reservoir

MMC

Hulet
Reservoir

Sinker Creek

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>1.60</u>		
D3 Joyce*	1-5	18.61**				<u>2.0</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.14</u>
D11 Nahas	6	2.63				<u>2.63</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>7.4</u>		
D11 Nahas	10a	0.97				<u>.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 2.0 est.
Reservoir @ 49 ft level.

Mileage 30

Nick Mli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE Aug 1, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 1.60
HULET (natural)

D2 10.4
HULET (stored)

D3 _____
JLL

QM 11.0
CANAL TOTAL

QI 1.5 est
INLET

Hulet Reservoir

QA 1.5
CREEK

MMC

Sinker Creek

D4 1.0D5 50

D6 _____

D7 _____

D8 _____

D9 _____

1.5

JLL TOTAL

D10 514
EDWARDS

D11 2.63
NAHAS

QB 1.97
CREEK

Nahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>1.60</u>		
D3 Joyce*	1-5	18.61**				<u>1.5</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.14</u>
D11 Nahas	6	2.63				<u>2.63</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>10.4</u>		
D11 Nahas	10a	0.97				<u>1.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 1.5 est.
Reservoir @ 44 ft. est - no markers.

Mileage 25

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE Aug 25, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 0.60
HULET (natural)D2 10.4
HULET (stored)D3 _____
JLLQM 11.0
CANAL TOTALQI 1.2 ext
INLETHulet
Reservoir

MMC

QA 0.60
CREEKD4 1.60

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

0.60
JLL TOTAL

Sinker Creek

D10 4.59
EDWARDSD11 1.65
NAHASQB 1.97
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>.60</u>		
D3 Joyce*	1-5	18.61**				<u>.60</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>4.59</u>
D11 Nahas	6	2.63				<u>1.65</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>10.40</u>		
D11 Nahas	10a	0.97				<u>.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 1.20 est.
Reservoir @ 30 ft. est. (no markers)

Mileage 45

Nick Shlos
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE Sept 7, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 1.60
HULET (natural)D2 8.4
HULET (stored)D3 _____
JLLQM 9.0
CANAL TOTALQI 1.20 est
INLET

Hulet Reservoir

QA 1.60
CREEKD4 1.60

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

1.60
JLL TOTALD10 4.59
EDWARDSD11 1.65
NAHASQB 97
CREEK

Nahas Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>1.60</u>		
D3 Joyce*	1-5	18.61**				<u>1.60</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>4.59</u>
D11 Nahas	6	2.63				<u>1.65</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>8.4</u>		
D11 Nahas	10a	0.97				<u>0.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 1.20 est.
Reservoir @ 27 ft est. (no markers)

Mileage 25

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE Sept 11, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 _____
HULET (natural)D2 _____
HULET (stored)D3 _____
JLLQM 0
CANAL TOTALQI 1.20 est
INLETHulet
Reservoir

MMC

QA 1.60
CREEKD4 1.60

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

1.60
JLL TOTAL

Sinker Creek

D10 4.59
EDWARDSD11 1.65
NAHASQB 1.97
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\quad}{D1} + \frac{\quad}{D3} + \frac{\quad}{QA} = \frac{\quad}{NA}$$

$$\left(\frac{\quad}{JLL} + \frac{\quad}{D10} + \frac{\quad}{D11} + \frac{\quad}{QB} \right) - \frac{\quad}{QA} = \frac{\quad}{GA-B}$$

$$\frac{\quad}{GA-B} + \frac{\quad}{NA} = \frac{\quad}{NB}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6	_____	_____	_____	_____
D3 Joyce*	1-5	18.61**	_____	_____	_____	<u>160</u>
D4-9 Joyce	1-5		_____	_____	_____	_____
D10 Edwards	5	5.14	_____	_____	_____	<u>4.59</u>
D11 Nahas	6	2.63	_____	_____	_____	<u>1.65</u>
D3 Joyce	7-8	2.46**	_____	_____	_____	_____
D4-9 Joyce	7-8		_____	_____	_____	_____
D1 Hulet	9	54.4	_____	_____	_____	_____
D11 Nahas	10a	0.97	_____	_____	_____	<u>.97</u>
D11 Nahas	10b	7.474	_____	_____	_____	_____

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 1.20 est.
Reservoir @ 25 ft. est (no markers)

Mileage 25

Nick Shlos
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE Sept 20, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 1.60
HULET (natural)D2 7.4
HULET (stored)D3 _____
JLLQM 8.0
CANAL TOTALQI 1.20 *ex*
INLET

Hulet Reservoir

MMC

QA 1.60
CREEKD4 1.60

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

1.60
JLL TOTAL

Sinker Creek

D10 4.59
EDWARDSD11 1.65
NAHASQB 1.97
CREEK

Nahas Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>.60</u>		
D3 Joyce*	1-5	18.61**				<u>.60</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>4.59</u>
D11 Nahas	6	2.63				<u>1.65</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>7.4</u>		
D11 Nahas	10a	0.97				<u>.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 1.20 est.
Res. @ 25 ft est.

Mileage 25

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE Sept 30, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 1.60
HULET (natural)D2 4.9
HULET (stored)D3 _____
JLLQM 5.5
CANAL TOTALQI 1.20
INLETHulet
Reservoir

MMC

QA 1.60
CREEKD4 1.60

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

1.60
JLL TOTAL

Sinker Creek

D10 4.59
EDWARDSD11 1.65
NAHASQB 1.97
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>0.60</u>		
D3 Joyce*	1-5	18.61**				<u>1.60</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>4.59</u>
D11 Nahas	6	2.63				<u>1.65</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>49</u>		
D11 Nahas	10a	0.97				<u>0.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 1,20 est.
Rise @ 22 ft level - est.

Mileage 25

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE Oct 2, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 1.60
HULET (natural)D2 2.40
HULET (stored)D3 _____
JLLQM 3.0
CANAL TOTALQI 1.20 est
INLETHulet
ReservoirQA 1.60
CREEKD4 1.60

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

1.60
JLL TOTALD10 4.25
EDWARDSD11 1.65
NAHASQB 1.97
CREEKNahas
Reservoir**Computing Natural Flows**

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

SNAKE RIVER

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		<u>1.60</u>		
D3 Joyce*	1-5	18.61**				<u>1.60</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>4.25</u>
D11 Nahas	6	2.63				<u>1.65</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>2.40</u>		
D11 Nahas	10a	0.97				<u>1.97</u>
D11 Nahas	10b	7.474				

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 1, 20 est.
Res @ 20 ft est.

Mileage 25

Nick Ishli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE Oct 12, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 _____
HULET (natural)D2 _____
HULET (stored)D3 _____
JLLQM _____
CANAL TOTALQI 1.6
INLET

Hulet Reservoir

MMC

QA 1.0
CREEKD4 1.0

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

1.0
JLL TOTAL

Sinker Creek

D10 4.25
EDWARDSD11 1.65
NAHASQB 9.9
CREEK

Nahas Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6	_____	_____	_____	_____
D3 Joyce*	1-5	18.61**	_____	_____	_____	<u>1.0</u>
D4-9 Joyce	1-5		_____	_____	_____	_____
D10 Edwards	5	5.14	_____	_____	_____	<u>4.25</u>
D11 Nahas	6	2.63	_____	_____	_____	<u>1.65</u>
D3 Joyce	7-8	2.46**	_____	_____	_____	_____
D4-9 Joyce	7-8		_____	_____	_____	_____
D1 Hulet	9	54.4	_____	_____	_____	_____
D11 Nahas	10a	0.97	_____	_____	_____	<u>.97</u>
D11 Nahas	10b	7.474	_____	_____	_____	_____

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow at 1.6 est.
Res at 20 ft. est.
Bever problem, plugging Paul's headgate.

Mileage 25

Nick Shis
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE Oct 28, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 _____
HULET (natural)D2 _____
HULET (stored)D3 _____
JLLQM _____
CANAL TOTALQI 1.6
INLETHulet
Reservoir

MMC

QA 1.0
CREEKD4 1.0

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

1.0
JLL TOTAL

Sinker Creek

D10 4.25
EDWARDSD11 1.65
NAHASQB .97
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6	_____	_____	_____	_____
D3 Joyce*	1-5	18.61**	_____	_____	_____	<u>1.0</u>
D4-9 Joyce	1-5		_____	_____	_____	_____
D10 Edwards	5	5.14	_____	_____	_____	<u>4.25</u>
D11 Nahas	6	2.63	_____	_____	_____	<u>1.65</u>
D3 Joyce	7-8	2.46**	_____	_____	_____	_____
D4-9 Joyce	7-8		_____	_____	_____	_____
D1 Hulet	9	54.4	_____	_____	_____	_____
D11 Nahas	10a	0.97	_____	_____	_____	<u>.97</u>
D11 Nahas	10b	7.474	_____	_____	_____	_____

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Inflow @ 1.6 est.
Res @ 20 ft, est.
still beaver problem in Pauls headgate.

Mileage 25

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE Nov 15, 2006**Instructions for completing form**

1. Measure flows at QI, QM, QA, D 4-11, QB, and record.
2. Use recorded flows to compute Natural Flows (formula below).
3. Use computed Natural Flows NA and NB to complete Water Allocation Worksheet (back page).
4. Determine flows at D 1-3 and record.
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D1 _____
HULET (natural)D2 _____
HULET (stored)D3 _____
JLLQM _____
CANAL TOTALQI 1,200
INLETHulet
Reservoir

MMC

QA 60
CREEKD4 60

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

60
JLL TOTAL

Sinker Creek

D10 _____
EDWARDSD11 _____
NAHASQB _____
CREEKNahas
Reservoir

SNAKE RIVER

Computing Natural Flows

$$\frac{\text{D1}}{\text{D1}} + \frac{\text{D3}}{\text{D3}} + \frac{\text{QA}}{\text{QA}} = \frac{\text{NA}}{\text{NA}}$$

$$\left(\frac{\text{JLL}}{\text{JLL}} + \frac{\text{D10}}{\text{D10}} + \frac{\text{D11}}{\text{D11}} + \frac{\text{QB}}{\text{QB}} \right) - \frac{\text{QA}}{\text{QA}} = \frac{\text{GA-B}}{\text{GA-B}}$$

$$\frac{\text{GA-B}}{\text{GA-B}} + \frac{\text{NA}}{\text{NA}} = \frac{\text{NB}}{\text{NB}}$$

WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6	_____	_____	_____	_____
D3 Joyce*	1-5	18.61**	_____	_____	_____	0.60
D4-9 Joyce	1-5		_____	_____	_____	_____
D10 Edwards	5	5.14	_____	_____	_____	_____
D11 Nahas	6	2.63	_____	_____	_____	_____
D3 Joyce	7-8	2.46**	_____	_____	_____	_____
D4-9 Joyce	7-8		_____	_____	_____	_____
D1 Hulet	9	54.4	_____	_____	_____	_____
D11 Nahas	10a	0.97	_____	_____	_____	_____
D11 Nahas	10b	7.474	_____	_____	_____	_____

* If flow is being diverted at D3, then rights ranked 5, 6, and 10a must be satisfied unless delivery is declined.

** These flows may be diverted in either reach. However, the total Joyce diversion may not exceed 21.07 cfs when Joyce is diverting to Reach A and Hulet is diverting.

COMMENTS/TRIP LOG

Shut down everything
Reservoir @ 20 ft. est, no markers -

Mileage 25

Nick Iler
WATERMASTER SIGNATURE