

WATERMASTER'S REPORT

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WATER RESOURCES
WESTERN REGION

From April 1, 2000, ~~19~~ To July 11, 2000, ~~19~~

Water District No. 57-D

Name of Watermaster Nicholas K. Ihli Soc. Sec.# 518-32-8707

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

AFFIDAVIT OF WATERMASTER

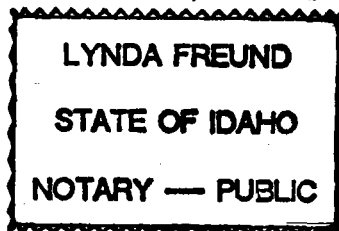
STATE OF IDAHO }
COUNTY OF Owyhee } ss.

Nicholas K. Ihli, being first duly sworn, deposes and says that he is Watermaster of Water District 57-D Sinker Creek, 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.

Nicholas K. Ihli

(Deputy) Watermaster District No. 57-D

Subscribed and sworn to before me, this 1st day of November, 2000



(SEAL)

Lynda Freund
Notary Public

My Commission expires 12-15-2004

Boise, Idaho, NOVEMBER 3, 2000

I HEREBY CERTIFY, that NICHOLAS K. 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 J. DREYER

Director, Department of Water Resources

By J. Westra, Western Reg.

WATER RIGHT OWNER

IDWR
WATER RIGHT
IDENT No.

DIVERSION NAME / REMARKS

1 Joyce Livestock Co. 00180A

2 Joyce Livestock Co. 10428

3

4

5 Jay Hulet 00179

6 Jay Hulet 00180B

7 Jay Hulet 00181

8 Hulet Reservoir 07152

9

10

11 John Edwards 00001B

12

13

14 Nahas Ranch 00177

15 Nahas Ranch 00178

16 Nahas Ranch 02221

17 Nahas Ranch 10470

18

19

20

21

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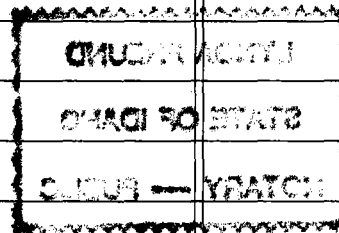
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1	2	3	4	5					
Total Delivery in 24-Hour Sec. Feet	Total Cost		Adopted Budget		Credits		Debits		Cost Per 24-Hr. Sec. Ft. \$ <u>1.8516</u>
	\$	cts.	\$	cts.	\$	cts.	\$	cts.	
22.00	717.86		900.00		182.14		Total No. Days of Watermaster		
365.70							* 23 days at \$ 50.00 per day		\$1150.00
							Total No. Days of Asst. Watermaster		
							days at \$ per day		\$
12.00	530.90		780.00		249.10		** Other expenses charged pro rata		\$ 347.88
							TOTAL COST		\$1497.88
							Total No. 24-Hour Sec. Feet Delivered		808.98
274.73							Cost per 24-Hour Sec. Feet Delivered		\$ 1.8516
79.00	146.27		80.00			66.27			
							* Includes 1 day, W. M. school in Boise.		
38.09	102.85		240.00		137.15				
							** Other expenses		
17.46							853 miles@ .30 255.90		
							Copy expense 4.00		
							Dist. share of SS		
							& Med. (FICA) 87.97		
							total other ex. \$ 347.88		
							Ihli check should be \$1,321.92		

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.

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>6.39</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>4.84</u>
D11 Nahas	6	2.63				<u>3.11</u>
D3 Joyce	7-8	2.46**				<u>1.00</u>
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>11.05</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 at res. 2.92 C.F.S.
 Unable to tell level of Reservoir.
 No markers below 20 ft. (about ^{water} gone)

Mileage 35

Nick Shli
 WATERMASTER SIGNATURE

7/97

Page 1

SINKER CREEK WATERMASTER REPORT

DATE 07/11/2000**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 .60
HULET (natural)D2 11.05
HULET (stored)D3 —
JLLQM 11.65
CANAL TOTALQI 2.92
INLETQA 2.39
CREEKD4 1.25D5 .50D6 .50D7 .50D8 1.0D9 1.257.39
JLL TOTALQB 97
CREEKD11 3.11
NAHASD10 4.84
EDWARDSNahas
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>.60</u>	____	____
D3 Joyce*	1-5	18.61**	____	<u>7.62</u>	____	<u>4.97</u>
D4-9 Joyce	1-5				____	____
D10 Edwards	5	5.14			____	<u>2.84</u>
D11 Nahas	6	2.63			____	<u>3.11</u>
D3 Joyce	7-8	2.46**	____	____	____	<u>1.00</u>
D4-9 Joyce	7-8				____	____
D1 Hulet	9	54.4	____	<u>13.60</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 @ Res. 4.59 C.F.S.
Reservoir @ 20 ft level

Mileage 35

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 07/04/2000**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 .60
HULET (natural)D2 13.60
HULET (stored)D3 7.62
JLLQM 21.82
CANAL TOTALQI 4.59
INLETHulet
Reservoir

MMC

QA .97
CREEKD4 1.25D5 .50D6 .50D7 .50D8 1.0D9 1.2513.59
JLL TOTAL

Sinker Creek

D10 2.84
EDWARDSD11 3.11
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	---	---	---	---
D3 Joyce*	1-5	18.61**	---	<u>17.25</u>	---	<u>17.25</u>
D4-9 Joyce	1-5		---	---	---	---
D10 Edwards	5	5.14	---	---	---	---
D11 Nahas	6	2.63	---	---	---	---
D3 Joyce	7-8	2.46**	---	<u>1.00</u>	---	<u>1.00</u>
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

Called on by Paul Nettleton. Water turned out of
reservoir, down creek.
Inflow est. 45 C.F.S.; Reservoir @ 46 ft level.

Mileage 30

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 04/01/2000**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 45.0
INLETHulet
Reservoir

MMC

QA 18.25
CREEK

Sinker Creek

D4 _____

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

18.25
JLL TOTALD10 _____
EDWARDSD11 _____
NAHASQB _____
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>23.66</u>
D4-9 Joyce	1-5		____	____	____	____
D10 Edwards	5	5.14	____	____	____	____
D11 Nahas	6	2.63	____	____	____	____
D3 Joyce	7-8	2.46**	____	____	____	<u>1.00</u>
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

Hipwell (Edwards) requested water. none available
below Joyce Ranch.
Inflow est. 45.0 CFS. Reservoir @ 47ft level.

Mileage 25

Nick Shl.
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 04/04/2000**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 45.0
INLET

MMC

QA 24.66
CREEK

Sinker Creek

D4 _____

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

24.66
JLL TOTALD10 _____
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>.60</u>		<u>60</u>
D3 Joyce *	1-5	18.61**				
D4-9 Joyce	1-5					<u>14.09</u>
D10 Edwards	5	5.14				
D11 Nahas	6	2.63				
D3 Joyce	7-8	2.46**				<u>1.00</u>
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>14.75</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

Turned water into Murphy Mutual Canal.

Inflow est @ 50 cfs. Reservoir level @ 49 ft.

Mileage 30

Dick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 04/08/2000**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 14.75
HULET (stored)D3 _____
JLLQM 15.85
CANAL TOTALQI 50.0
INLETHulet
Reservoir

MMC

QA 15.09
CREEK

D4 _____

D5 _____

D6 _____

D7 _____

D8 _____

D9 _____

15.09
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>.60</u>	____	____
D3 Joyce*	1-5	18.61**	____	____	____	<u>17.15</u>
D4-9 Joyce	1-5				____	____
D10 Edwards	5	5.14			____	____
D11 Nahas	6	2.63			____	____
D3 Joyce	7-8	2.46**	____	____	____	<u>1.00</u>
D4-9 Joyce	7-8				____	____
D1 Hulet	9	54.4	____	<u>14.35</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

Inflow est. 40 cfs. Reservoir @ 49 ft level.

Mileage 25

Trick Shli
WATERMASTER SIGNATURE

7/97

Page 1

SINKER CREEK WATERMASTER REPORT

DATE 04/09/2000

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 .60
HULET (natural)

D2 14.35
HULET (stored)

D3 3.00
JLL

QM 17.95
CANAL TOTAL

QI 40.0
INLET

MMC

QA 5.15
CREEK

D4 2.5

D5 1.0

D6 2.0

D7 1.0

D8 2.0

D9 2.5

18.15
JLL TOTAL

Computing Natural Flows

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

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

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

QB
CREEK

D11
NAHAS

D10
EDWARDS

Nahas
Reservoir

Snake River

Hulet
Reservoir

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>16.33</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.08</u>
D11 Nahas	6	2.63				<u>1.77</u>
D3 Joyce	7-8	2.46**				<u>1.00</u>
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>12.75</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

Finally got water to Edwards below Joyce Ranch.
Inflow est @ 40.0 CFS. Reservoir @ 49 ft level.

Mileage 30

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 07/14/2000**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 .60
HULET (natural)D2 12.75
HULET (stored)D3 2.00
JLLQM 15.35
CANAL TOTALQI 40.0
INLETQA 5.33
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.517.33
JLL TOTALD10 5.08
EDWARDSD11 1.77
NAHASQB .97
CREEKNahas
Reservoir**Computing Natural Flows**

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

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

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

SNAKE RIVER

WATER ALLOCATION WORKSHEET

SINKER CREEK

5-2000

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>13.29</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.08</u>
D11 Nahas	6	2.63				<u>1.77</u>
D3 Joyce	7-8	2.46**				<u>1.00</u>
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>14.60</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

Increased M.M.C. by 2.00 CFS.
Reservoir @ 49 ft level.

Mileage 30

Nick Shli
WATERMASTER SIGNATURE

7/97

Page 1

SINKER CREEK WATERMASTER REPORT

DATE 04/19/2000

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 .60
HULET (natural)

D2 14.60
HULET (stored)

D3 2.0
JLL

QM 17.20
CANAL TOTAL

QI no ret.
INLET

QA 2.29
CREEK

D4 2.5

D5 1.0

D6 1.0

D7 1.0

D8 2.0

D9 2.5

14.29
JLL TOTAL

D10 5.08
EDWARDS

D11 1.77
NAHAS

QB .97
CREEK

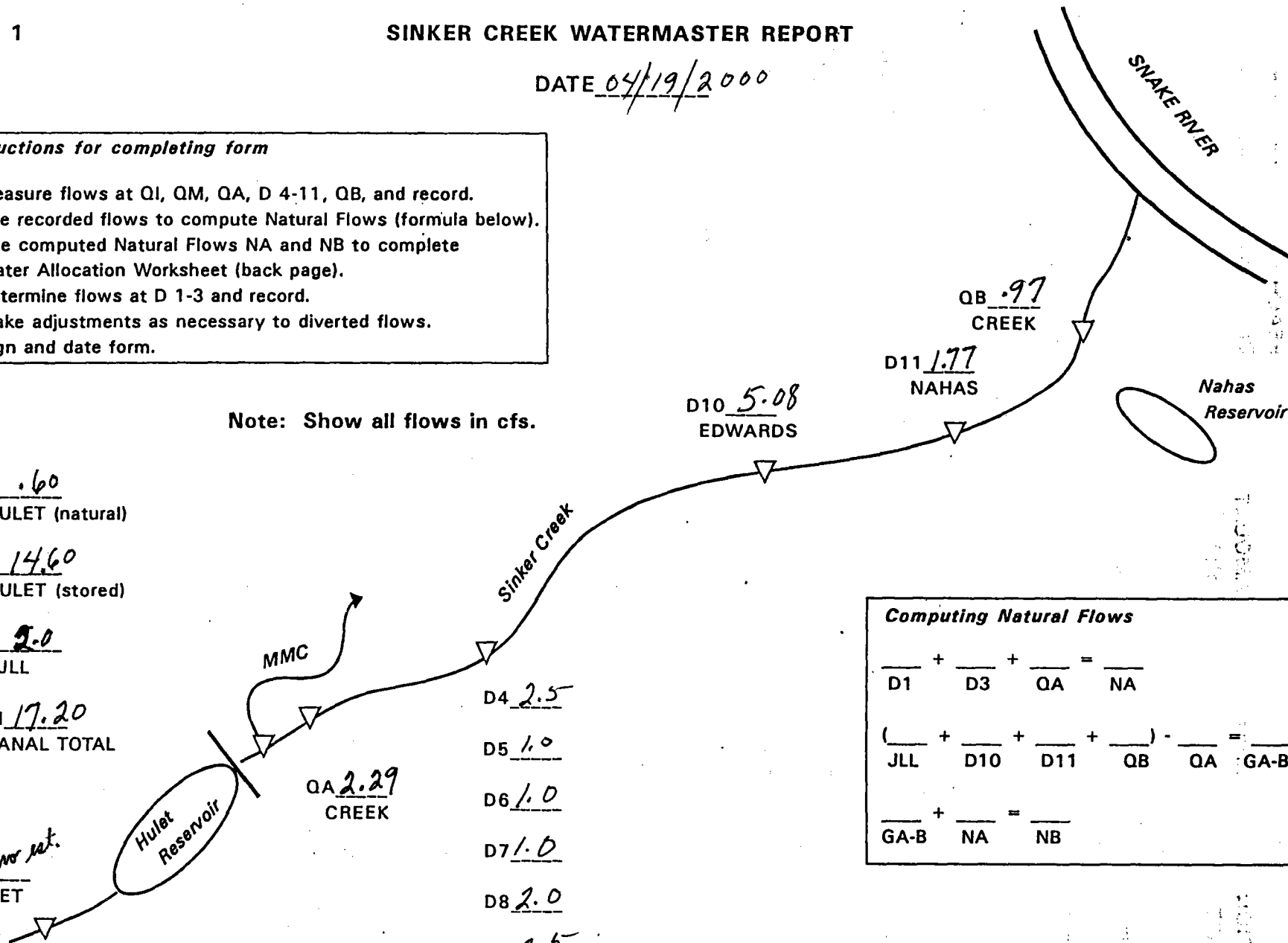
Nahas
Reservoir

Computing Natural Flows

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

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

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



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>19.00</u>
D4-9 Joyce	1-5		____	____	____	____
D10 Edwards	5	5.14	____	____	____	<u>5.08</u>
D11 Nahas	6	2.63	____	____	____	<u>1.77</u>
D3 Joyce	7-8	2.46**	____	____	____	<u>1.00</u>
D4-9 Joyce	7-8		____	____	____	____
D1 Hulet	9	54.4	____	<u>12.89</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

No estimate on Inflow. Reservoir level @ 49 ft.

Mileage 30

Nick Shi

WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 04/20/2000**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 .60
HULET (natural)D2 12.89
HULET (stored)D3 8.0
JLLQM 21.49
CANAL TOTALQI no est.
INLETQA 2.0
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.520.0
JLL TOTALQB .97
CREEKD11 1.77
NAHASD10 5.08
EDWARDSNahas
Reservoir**Computing Natural Flows**

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

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

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

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>.60</u>		
D3 Joyce*	1-5	18.61**				<u>16.50</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.08</u>
D11 Nahas	6	2.63				<u>2.64</u>
D3 Joyce	7-8	2.46**				<u>1.00</u>
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>9.90</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

Paul cut water off Bench field.
No estimate of inflow. Reservoir @ 49 1/2 ft level.

Mileage 55

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 04/26/2000**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 .60
HULET (natural)D2 9.90
HULET (stored)D3 6.0
JLLQM _____
CANAL TOTALQI no est.
INLETHulet
Reservoir

MMC

QA 1.5
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.5

JLL TOTAL

Sinker Creek

D10 5.08
EDWARDSD11 2.64
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		<u>.60</u>		
D3 Joyce*	1-5	18.61**		<u>8.0</u>		<u>11.08</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.08</u>
D11 Nahas	6	2.63				<u>3.11</u>
D3 Joyce	7-8	2.46**				<u>1.0</u>
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>14.08</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

No est. of inflow. Reservoir @ 47 ft level.

Mileage 38

Mike Miller
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 05/01/2000**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 .60
HULET (natural)D2 14.08
HULET (stored)D3 8.0
JLLQM 20.68
CANAL TOTALQI No nat.
INLETQA 2.08
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.520.08
JLL TOTALD10 5.08
EDWARDSD11 3.11
NAHASQB .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

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>.60</u>		
D3 Joyce*	1-5	18.61**		<u>8.0</u>		<u>11.08</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>5.08</u>
D11 Nahas	6	2.63				<u>3.11</u>
D3 Joyce	7-8	2.46**				<u>1.0</u>
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>15.74</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

*Hulet complaining that water is low. Increase by 1.6 CFS.
No est of inflow. Reservoir @ 48 1/2 ft level*

Mileage 35

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 05/02/2000**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 .60
HULET (natural)D2 15.74
HULET (stored)D3 8.0
JLLQM 24.34
CANAL TOTALQI No est.
INLETHulet
Reservoir

MMC

QA 2.08
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.520.08
JLL TOTAL

Sinker Creek

D10 5.08
EDWARDSD11 3.11
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	____	<u>.60</u>	____	____
D3 Joyce*	1-5	18.61**	____	<u>6.0</u>	____	<u>10.25</u>
D4-9 Joyce	1-5		____	____	____	____
D10 Edwards	5	5.14	____	____	____	<u>5.08</u>
D11 Nahas	6	2.63	____	____	____	<u>3.11</u>
D3 Joyce	7-8	2.46**	____	____	____	<u>1.00</u>
D4-9 Joyce	7-8		____	____	____	____
D1 Hulet	9	54.4	____	<u>14.52</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

No est. of inflow. Reservoir @ 47 ft level.

Mileage 35

Trick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 05/10/2000**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 .60
HULET (natural)D2 14.52
HULET (stored)D3 6.00
JLLQM 21.12
CANAL TOTALQI no ext
INLET

MMC

QA 1.25
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.517.25
JLL TOTALD10 5.08
EDWARDSD11 3.11
NAHASQB 9.7
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

Hulet
Reservoir

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>8.00</u>	____	<u>10.49</u>
D4-9 Joyce	1-5		____	____	____	____
D10 Edwards	5	5.14	____	____	____	<u>5.08</u>
D11 Nahas	6	2.63	____	____	____	<u>3.11</u>
D3 Joyce	7-8	2.46**	____	____	____	<u>1.00</u>
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

No est of inflow. Reservoir @ 44 ft level.

Mileage 50

checked on 20 th also.
miles only.

Nick Shli
WATERMASTER SIGNATURE

7/97

Page 1

SINKER CREEK WATERMASTER REPORT

DATE 05/19/2000

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 .60
HULET (natural)

D2 14.56
HULET (stored)

D3 8.00
JLL

QM 23.16
CANAL TOTAL

QI No int.
INLET

MMC

QA 2.49
CREEK

D4 2.5

D5 1.0

D6 1.0

D7 1.0

D8 2.0

D9 2.5

20.49
JLL TOTAL

D10 5.08
EDWARDS

D11 3.11
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>.60</u>	____	____
D3 Joyce*	1-5	18.61**	____	____	____	<u>9.85</u>
D4-9 Joyce	1-5		____	____	____	____
D10 Edwards	5	5.14	____	____	____	<u>4.64</u>
D11 Nahas	6	2.63	____	____	____	<u>3.11</u>
D3 Joyce	7-8	2.46**	____	____	____	<u>1.00</u>
D4-9 Joyce	7-8		____	____	____	____
D1 Hulet	9	54.4	____	<u>14.75</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

*Paul cut off all water to bench + Flat.
No est of inflow. Reservoir @ 44 ft level.*

Mileage 25

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 05/21/2000**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 .60
HULET (natural)D2 14.75
HULET (stored)D3 _____
JLLQM 15.35
CANAL TOTALQI No est
INLETHulet
Reservoir

MMC

QA .85
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.510.85
JLL TOTAL

Sinker Creek

D10 4.64
EDWARDSD11 3.11
NAHASQB 9.7
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>6.25</u>	____	<u>14.6</u>
D4-9 Joyce	1-5		____	____	____	____
D10 Edwards	5	5.14	____	____	____	<u>4.64</u>
D11 Nahas	6	2.63	____	____	____	<u>.43</u>
D3 Joyce	7-8	2.46**	____	____	____	<u>1.00</u>
D4-9 Joyce	7-8		____	____	____	____
D1 Hulet	9	54.4	____	<u>10.58</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

No est. of inflow. Reservoir D 41 ft level.

Mileage 50

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 06/05/2000**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 .60
HULET (natural)D2 10.58
HULET (stored)D3 6.25
JLLQM 17.43
CANAL TOTALQI no est
INLET

MMC

QA 5.6
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.521.85
JLL TOTALD10 4.64
EDWARDSQB .97
CREEK
D11 .43
NAHASNahas
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		<u>.60</u>		
D3 Joyce*	1-5	18.61**		<u>5.0</u>		<u>14.85</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>4.64</u>
D11 Nahas	6	2.63				<u>.43</u>
D3 Joyce	7-8	2.46**				<u>1.00</u>
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>11.21</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 at Res - 11.8
Reservoir at 40 ft level

Mileage 35

Nick Jhe.
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 06/08/2000**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 11.21
HULET (stored)D3 5.0
JLLQM 16.81
CANAL TOTALQI 11.8
INLET

MMC

QA 5.85
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.520.85
JLL TOTALD10 4.64
EDWARDSD11 .43
NAHASQB .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

Hulet
Reservoir

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>10.0</u>	____	<u>9.97</u>
D4-9 Joyce	1-5				____	____
D10 Edwards	5	5.14			____	<u>4.64</u>
D11 Nahas	6	2.63			____	<u>.43</u>
D3 Joyce	7-8	2.46**	____	____	____	<u>1.00</u>
D4-9 Joyce	7-8				____	____
D1 Hulet	9	54.4	____	<u>14.10</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 @ Res. 7.2 CFS
Reservoir @ 37 ft level

Mileage 30

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 06/14/2000**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 .60
HULET (natural)

D2 14.1
HULET (stored)

D3 10.0
JLL

QM 24.7
CANAL TOTAL

QI 7.2
INLET

MMC

Hulet Reservoir

QA .97
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.520.97
JLL TOTAL

Sinker Creek

D10 4.64
EDWARDSD11 .43
NAHASQB .97
CREEK

Nahas 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		<u>.60</u>		
D3 Joyce*	1-5	18.61**		<u>7.53</u>		<u>9.97</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>4.64</u>
D11 Nahas	6	2.63				<u>.43</u>
D3 Joyce	7-8	2.46**				<u>1.00</u>
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>14.10</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 @ Res - 7.2 C.F.S.
Reservoir @ 34 ft level

Mileage 35

Trick Shig
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 06/19/2000**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 .60
HULET (natural)D2 14.10
HULET (stored)D3 7.53
JLLQM 22.23
CANAL TOTALQI 7.2
INLETQA .97
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.518.50
JLL TOTALD10 4.64
EDWARDSD11 .43
NAHASQB .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>.60</u>		
D3 Joyce*	1-5	18.61**		<u>5.50</u>		<u>9.97</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>4.64</u>
D11 Nahas	6	2.63				<u>.43</u>
D3 Joyce	7-8	2.46**				<u>1.00</u>
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>18.30</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 at Res - 7.09 cfs
Reservoir Level @ 32 ft.

Mileage 30

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 06/22/2000**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 .60
HULET (natural)D2 18.30
HULET (stored)D3 5.50
JLLQM 24.4
CANAL TOTALQI 7.09
INLET

MMC

QA .97
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.516.47
JLL TOTALD10 4.64
EDWARDSD11 .43
NAHASQB .97
CREEKNahas
Reservoir**Computing Natural Flows**

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

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

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

SNAKE RIVER

Hulet
Reservoir

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>5.50</u>		<u>9.97</u>
D4-9 Joyce	1-5					
D10 Edwards	5	5.14				<u>af</u>
D11 Nahas	6	2.63				<u>3.11</u>
D3 Joyce	7-8	2.46**				
D4-9 Joyce	7-8					
D1 Hulet	9	54.4		<u>15.30</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 @ Res. 5.89 C.F.S.
Reservoir @ 29½ ft level.

Mileage 35

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 06/25/2000**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 .60
HULET (natural)D2 15.30
HULET (stored)D3 5.50
JLLQM 21.40
CANAL TOTALQI 5.89
INLET

MMC

QA .97
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.516.47
JLL TOTALD10 off
EDWARDSD11 3.11
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	____	<u>.60</u>	____	____
D3 Joyce*	1-5	18.61**	____	<u>3.62</u>	____	<u>9.97</u>
D4-9 Joyce	1-5				____	____
D10 Edwards	5	5.14			____	<u>2.84</u>
D11 Nahas	6	2.63			____	<u>3.11</u>
D3 Joyce	7-8	2.46**	____	____	____	<u>1.00</u>
D4-9 Joyce	7-8				____	____
D1 Hulet	9	54.4	____	<u>13.60</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 D res. 4.59 C.F.S.
Reservoir @ 25½ ft level.

Mileage 30

Nick Shli
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE 06/28/2000**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 .60
HULET (natural)D2 13.60
HULET (stored)D3 3.62
JLLQM 17.82
CANAL TOTALQI 4.59
INLET

MMC

QA .97
CREEKD4 2.5D5 1.0D6 1.0D7 1.0D8 2.0D9 2.514.59
JLL TOTALD10 2.84
EDWARDSD11 3.11
NAHASQB .97
CREEKNahas
Reservoir**Computing Natural Flows**

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

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

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

SNAKE RIVER

Hulet
Reservoir