



State of Idaho  
**DEPARTMENT OF WATER RESOURCES**

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190  
FAX (208) 334-2348

DIRK KEMPTHORNE  
GOVERNOR

KARL J. DREHER  
DIRECTOR

December 2, 1999

Paul Nettleton, Secretary/Treasurer  
Box 2050 Sinker Creek  
Murphy, ID 83650

RE: Water District No: 57D

Dear Nettleton:

Enclosed herewith is a copy of the Watermaster's Annual Report for the past season. The same have been prepared by the Watermaster and approved by this Department in conformity with Sections 42-610, 42-614, and 42-615, Idaho Code.

The Treasure should make payment to the Watermaster for services and expenses conforming to the approved report.

The attached documents are to be submitted at the next annual water district meeting.

Feel free to contact me if you have any questions.

Sincerely,

John Westra

Western Region

Enclosure  
cc: Watermaster.

# WATERMASTER'S REPORT

**RECEIVED**

**NOV 09 1999**

WATER RESOURCES  
WESTERN REGION

From July 30, 1999 To August 12, 1999

Water District No. 57-D

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

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

### AFFIDAVIT OF WATERMASTER

STATE OF IDAHO                )  
                                          ) ss.  
COUNTY OF Owyhee         )

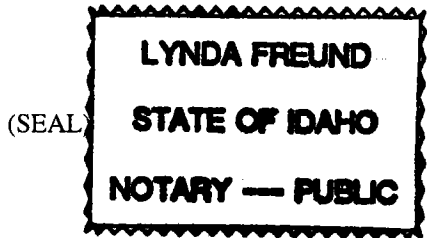
Nicholas K. Ihli, being first duly sworn, deposes and says that he is Watermaster of Water District 57-D Sinkers Creek, having been lawfully appointed by Karl J. Dreher, Director, Idaho Department of Water Resources, and that the volumes of water, as stated in this report and prorated by him to the water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

Nicholas K. Ihli

(~~Deputy~~) Watermaster District No. 57-D

Subscribed and sworn to before me, this 8<sup>th</sup> day of November, 19 99

Lynda Freund  
Notary Public



My Commission expires 12-15-2004

Boise, Idaho, December 2, 1999

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 \_\_\_\_\_

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		
22		
23		
24		
25		
26		
27		
28		
29		
30		

LYNDA LINDSAY  
 STATE OF IDAHO  
 COUNTY - PUBLIC



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>.6</u>		
D3 Joyce*	1-5	18.61**		<u>1.85</u>		
D4-9 Joyce	1-5					<u>12.85</u>
D10 Edwards	5	5.14				<u>3.55</u>
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				<u>.97</u>
D11 Nahas	10b	7.474				<u>2.02</u>

\* 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 Jay Hulet. Hulet reservoir is depleted. He did not think he was getting his .6 at Murphy Flat weir. Joyce frontock is supplementing water to Murphy Mutual Canal by pump to take to his pumps on Murphy Flat. The canal is up and down depending upon time of day.

Mileage 35

Nick Shli  
WATERMASTER SIGNATURE

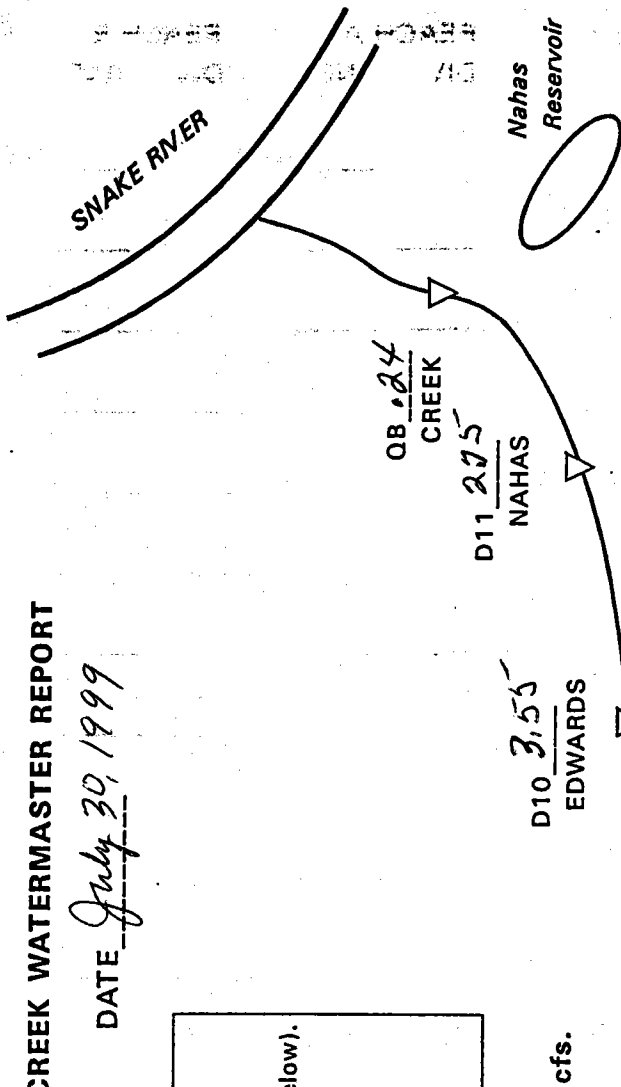
SINKER CREEK WATERMASTER REPORT

DATE July 30, 1999

*Instructions for completing form*

1. Measure flows at QI, QM, OA, 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 1.15  
HULET (natural)

D2 \_\_\_\_\_  
HULET (stored)

D3 1.85  
JLL

QM 2.00  
CANAL TOTAL

QI 3.00  
INLET

D4 1.00

D5 3.00

D6 2.00

D7 1.00

D8 0.50

D9 3.50

12.85  
JLL TOTAL

**Computing Natural Flows**

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

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

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

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>1.50</u>	____	____
D3 Joyce*	1-5	18.61**	____	<u>.90</u>	____	____
D4-9 Joyce	1-5		____	____	____	<u>10.00</u>
D10 Edwards	5	5.14	____	____	____	<u>3.55</u>
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	____	____	____	<u>.97</u>
D11 Nahas	10b	7.474	____	____	____	<u>2.02</u>

\* 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

*(gn) this day Hulet actually is exceeding his right in the Murphy Mutual Canal, Joyce is still pumping into the Canal from his well, but not continuously, so that the Canal varies somewhat.*

Mileage 35

*Thick Ink*  
 \_\_\_\_\_  
 WATERMASTER SIGNATURE

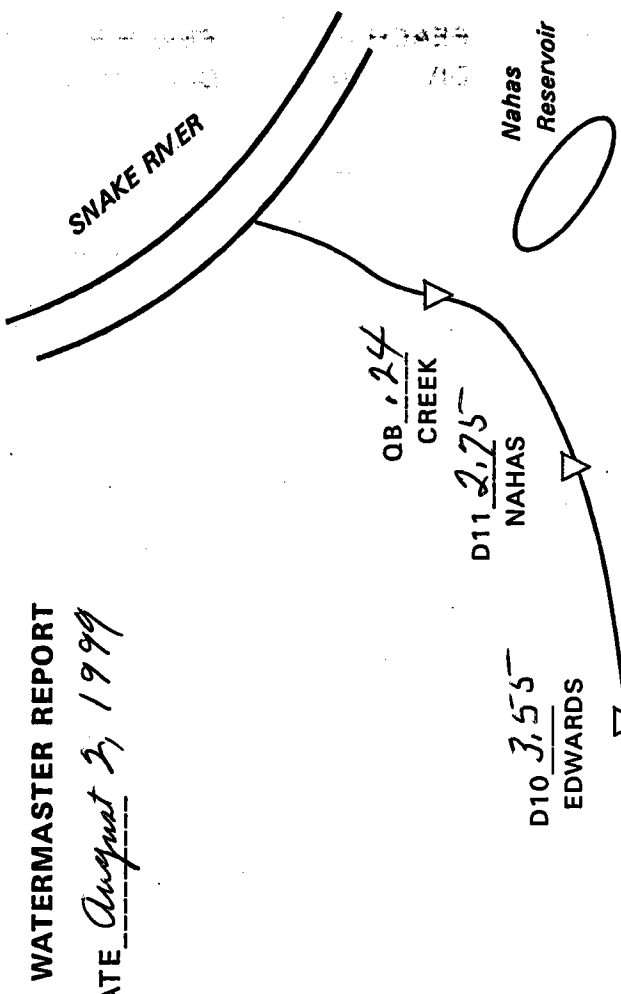
SINKER CREEK WATERMASTER REPORT

DATE August 2, 1999

**Instructions for completing form**

1. Measure flows at OI, OM, 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 1.50  
HULET (natural)

D2 \_\_\_\_\_  
HULET (stored)

D3 .90  
JLL

OM 2.40  
CANAL TOTAL

OI 2.40  
INLET

D4 \_\_\_\_\_  
D5 3.00  
D6 2.00  
D7 1.00  
D8 .50  
D9 3.50  
10.90  
JLL TOTAL

**Computing Natural Flows**

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

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

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



WATER ALLOCATION WORKSHEET

DIVERSION AND PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				(NA)		(NB)
D1 Hulet	1	0.6		.00		
D3 Joyce*	1-5	18.61**		2.40		
D4-9 Joyce	1-5					10.00
D10 Edwards	5	5.14				3.55
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				.97
D11 Nahas	10b	7.474				2.02

\* 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

On this day Hulet not receiving any water on Flat. One day excess, next day none. I cannot control the flow in Murphy Mutual Canal because Joyce is pumping irregularly to supply his pump on Flat. On average I believe Hulet ~~have~~ received his .60 CFS on Murphy Flat

Mileage 35.0

Nick Shli  
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE August 12, 1999

*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 2.40  
JLL

QM 2.40  
CANAL TOTAL

QI 2.40  
INLET

D4         

D5 3.00

D6 2.00

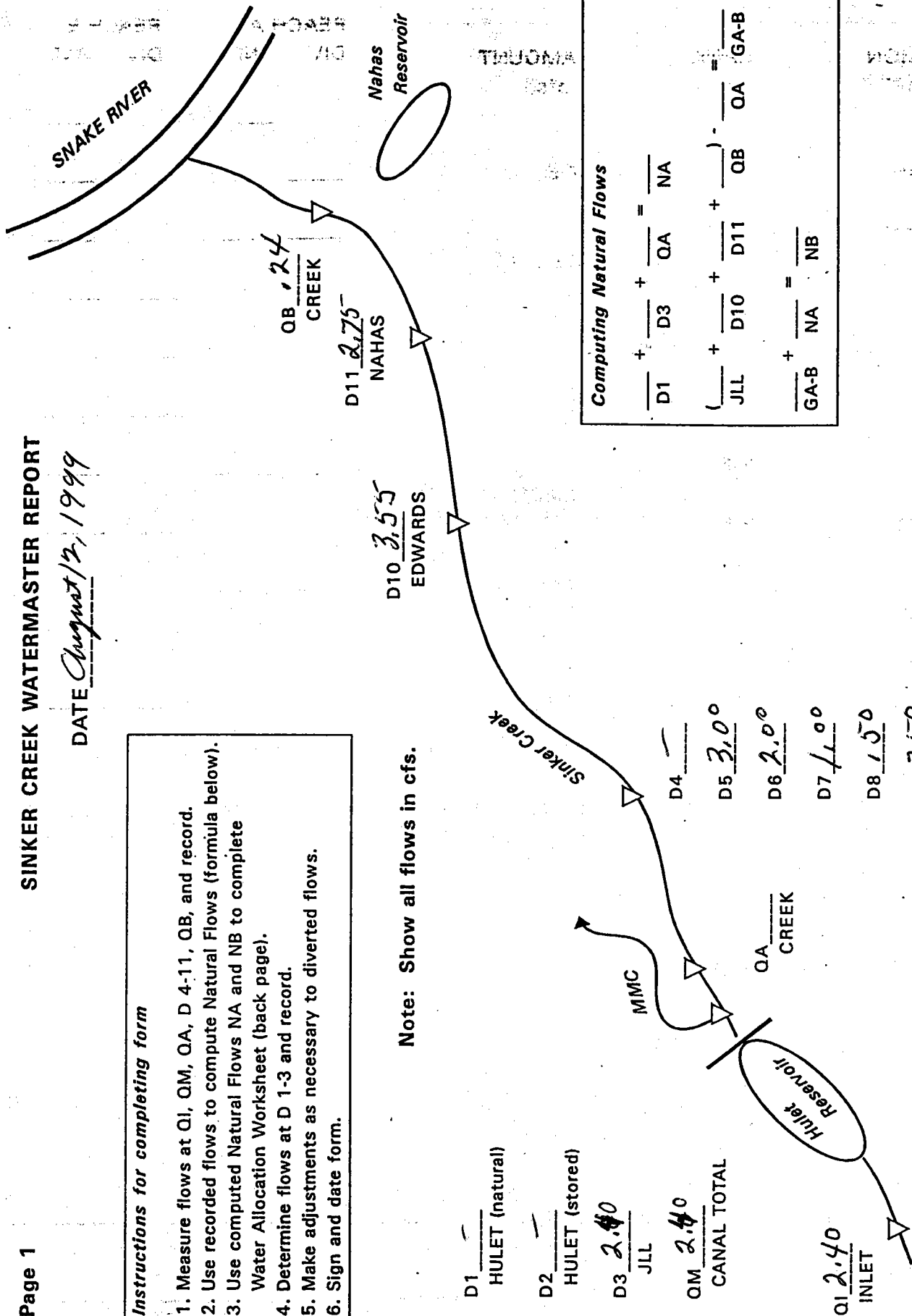
D7 1.00

D8 1.50

D9 3.50

12.40

JLL TOTAL



**Computing Natural Flows**

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

$$\left( \frac{JLL}{JLL} + \frac{D10}{D10} + \frac{D11}{D11} + \frac{OB}{OB} \right) \cdot \frac{OA}{OA} = \frac{GA-B}{GA-B}$$

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

SINKER CREEK WATERMASTER REPORT

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D1           
HULET (natural)

D2           
HULET (stored)

D3 2.40  
JLL

QM 2.40  
CANAL TOTAL

Q1 2.40  
INLET

MMC

OA           
CREEK

D4         

D5 3.00

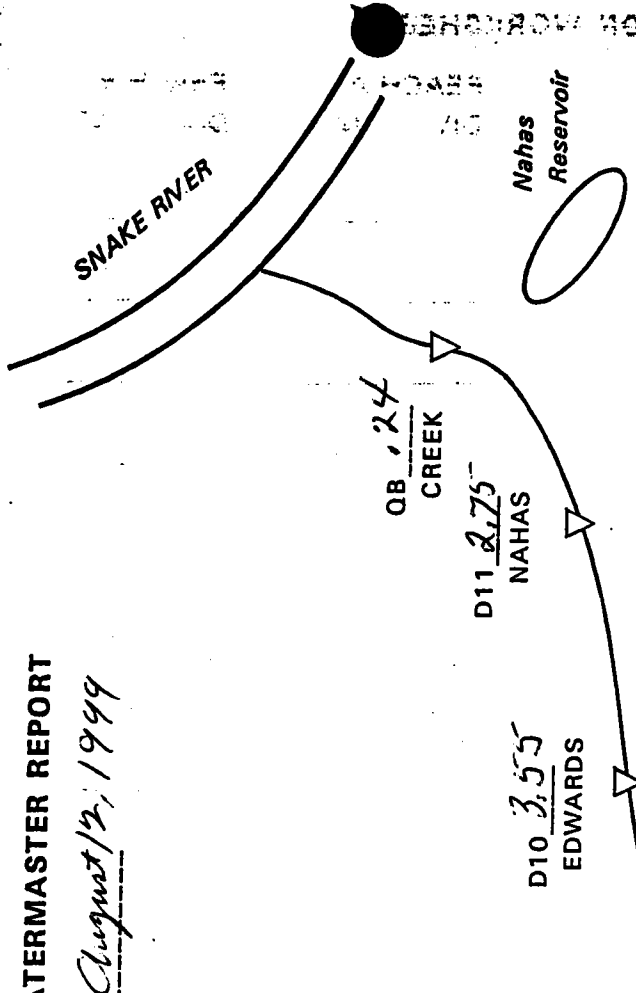
D6 2.00

D7 1.00

D8 1.50

D9 3.50

12.40  
JLL TOTAL



Computing Natural Flows

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

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

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

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>.00</u>	____	____
D3 Joyce*	1-5	18.61**	____	<u>2.40</u>	____	____
D4-9 Joyce	1-5		____		____	<u>10.00</u>
D10 Edwards	5	5.14	____		____	<u>3.55</u>
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	____		____	<u>.97</u>
D11 Nahas	10b	7.474	____		____	<u>2.02</u>

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

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Mileage 35.0

Nick Shli  
WATERMASTER SIGNATURE

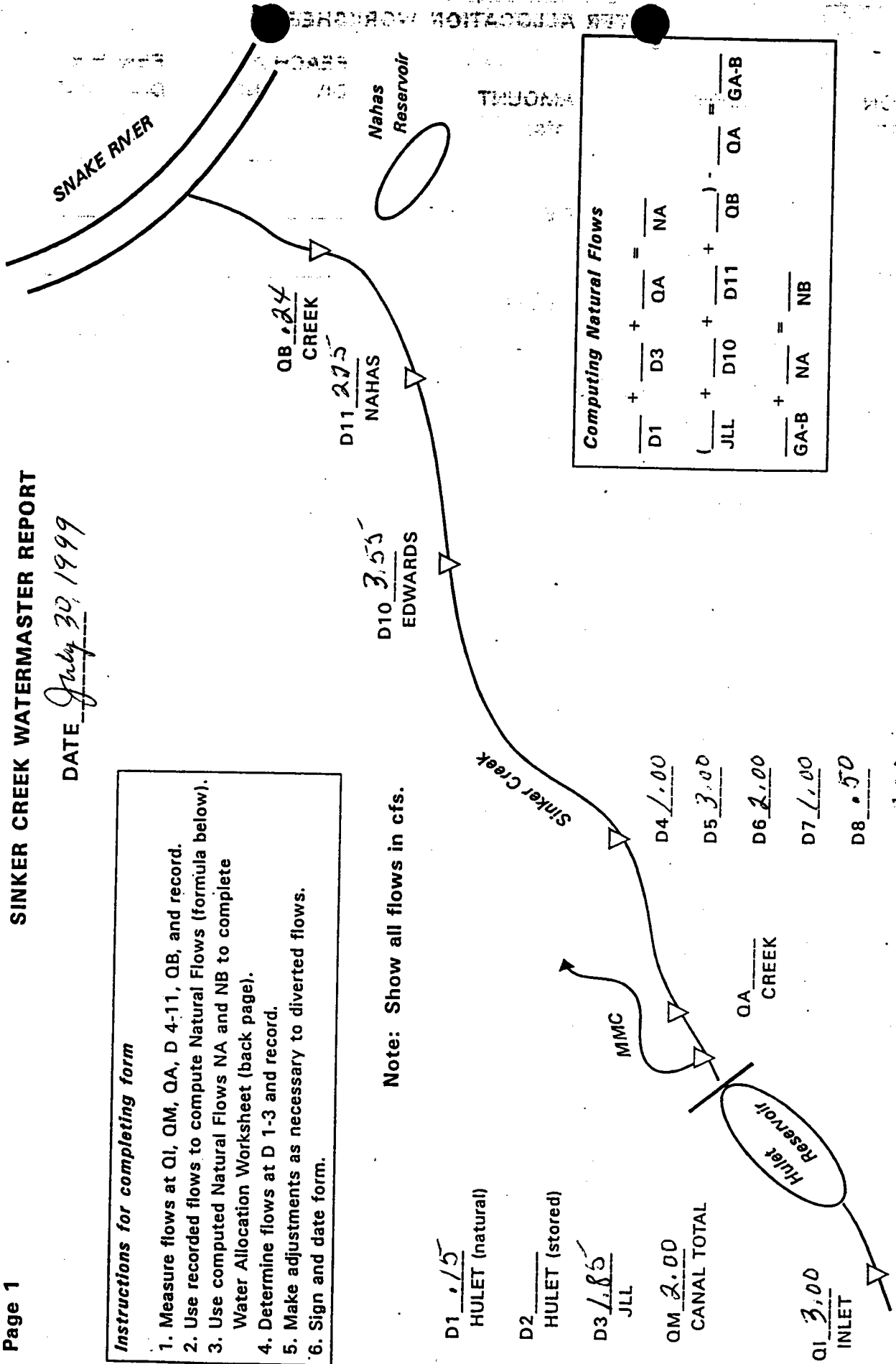
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Note: Show all flows in cfs.



**Computing Natural Flows**

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

$$JLL = \frac{D10}{D10 + D11} + \frac{QB}{QA + GA-B}$$

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

D1 1.15  
HULET (natural)

D2 \_\_\_\_\_  
HULET (stored)

D3 1.85  
JLL

QM 2.00  
CANAL TOTAL

Q1 3.00  
INLET

D4 1.00

D5 3.00

D6 2.00

D7 1.00

D8 .50

D9 3.50

12.85  
JLL TOTAL

## 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>0.6</u>	____	____
D3 Joyce*	1-5	18.61**	____	<u>1.85</u>	____	____
D4-9 Joyce	1-5		____		____	<u>12.85</u>
D10 Edwards	5	5.14	____		____	<u>3.55</u>
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	____		____	<u>.97</u>
D11 Nahas	10b	7.474	____		____	<u>2.02</u>

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Mileage 35

Nick Hill  
WATERMASTER SIGNATURE

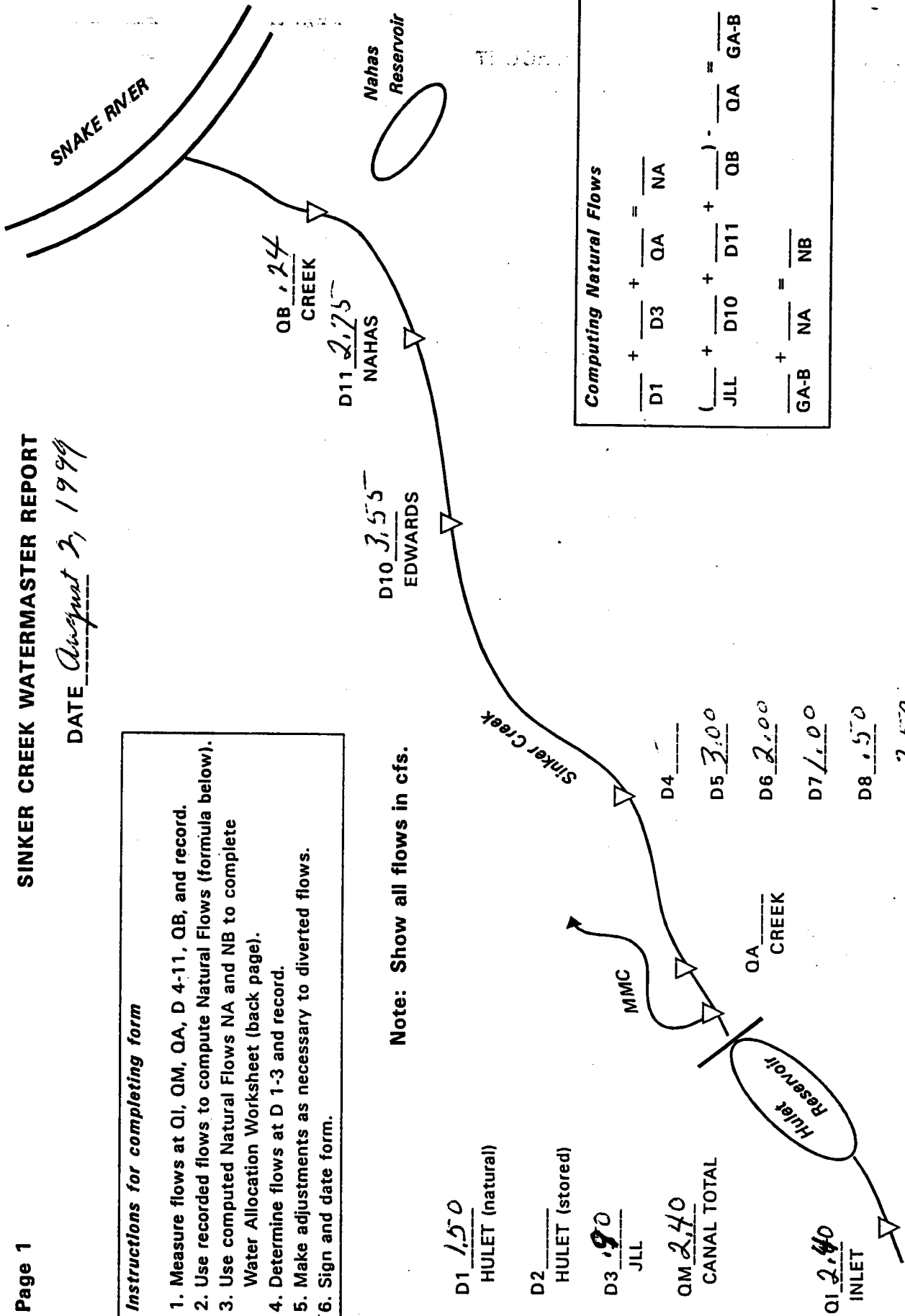
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Note: Show all flows in cfs.



D1 1.50  
 HULET (natural)  
 D2 \_\_\_\_\_  
 HULET (stored)  
 D3 90  
 JLL  
 QM 2.40  
 CANAL TOTAL  
 QI 2.40  
 INLET

D4 \_\_\_\_\_  
 D5 3.00  
 D6 2.00  
 D7 1.00  
 D8 .50  
 D9 3.50  
10.90  
 JLL TOTAL

**Computing Natural Flows**

$\frac{D1}{D1} + \frac{D3}{D3} + \frac{QA}{QA} = \frac{NA}{NA}$
$(\frac{JLL}{JLL} + \frac{D10}{D10} + \frac{D11}{D11} + \frac{QB}{QB}) - \frac{QA}{QA} = \frac{GA-B}{GA-B}$
$\frac{GA-B}{GA-B} + \frac{NA}{NA} = \frac{NB}{NB}$

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>1.50</u>	____	____
D3 Joyce*	1-5	18.61**	____	<u>.90</u>	____	____
D4-9 Joyce	1-5		____	____	____	<u>10.00</u>
D10 Edwards	5	5.14	____	____	____	<u>3.55</u>
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	____	____	____	<u>.97</u>
D11 Nahas	10b	7.474	____	____	____	<u>2.02</u>

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Mileage 35

*Mark J. ...*  
 WATERMASTER SIGNATURE