

SINKER CREEK WATERMASTER REPORT

Page 1

DATE Apr 1 94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows. Sign and date form.

74 miles

Q_B _____
CREEK

D_{11} _____
NAHAS

D_{10} _____
TYSON

Note: Show all flows in cfs.

Sinker Creek

D_1 _____
HULET(live)

D_2 _____
HULET(stored)

D_3 _____
JLL

Q_M _____
CANAL TOTAL

MMC

D_4 _____

D_5 _____

D_6 _____

D_7 _____

D_8 _____

D_9 _____

JLL TOTAL

Q_A 3.93
CREEK

Q_I 3.93
INLET

Computing Natural Flows

$$\frac{\quad}{D_1} + \frac{\quad}{D_3} + \frac{\quad}{Q_A} = \frac{\quad}{N_A}$$

$$\left(\frac{\quad}{JLL\ TOTAL} + \frac{\quad}{D_{10}} + \frac{\quad}{D_{11}} + \frac{\quad}{Q_B} \right) - \frac{\quad}{Q_A} = \frac{\quad}{G_{A-B}}$$

$$\frac{\quad}{G_{A-B}} + \frac{\quad}{N_A} = \frac{\quad}{N_B}$$

Snake
River

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A	RNF	REACH B	RNF
			DIV	_____(N _A)	DIV	_____(N _B)
D ₁ (H)	1	0.6	_____	_____	_____	_____
D ₃ (J)	2	18.61**	_____*	_____	_____	_____
D ₄₋₉ (J)	2 }		_____	_____	_____	_____
D ₁₀ (T)	3	6.56	_____	_____	_____	_____
D ₁₁ (N)	4	2.63	_____	_____	_____	_____
D ₃ (J)	5	2.46**	_____	_____	_____	_____
D ₄₋₉ (J)	5 }		_____	_____	_____	_____
D ₁ (H)	6	400.00	_____	_____	_____	_____
D ₁₁ (N)	7a	0.97	_____	_____	_____	_____
D ₁₁ (N)	7b	0.834	_____	_____	_____	_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied
(unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: inlet weir has a little water running around left side, creek staff is not
straight - ↑ met Hulet on road gave measurement of inlet, said water still running
under canal weir, He was going to work on that? chain & lock on door.

Mary M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE Apr 8 -94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D_1 0
HULET(live)

D_2 0
HULET(stored)

D_3 0
JLL

Q_M 0
CANAL TOTAL

MMC

4.84
 Q_A 4.84
CREEK

Q_I 4.94
INLET

D_4 4.97

D_5 1.32

D_6 1.57

D_7 .512

D_8 .599

D_9 .02

9.081
JLL TOTAL

water around side
.09
water under
all 3 weirs

D_{10} 0
TYSON

D_{11} .629
NAHAS

Q_B .06
CREEK

Snake River

94 miles

Sinker Creek

Computing Natural Flows

$$\frac{0}{D_1} + \frac{0}{D_3} + \frac{4.84}{Q_A} = \frac{4.84}{N_A}$$

$$\frac{(9.081)}{JLL\ TOTAL} + \frac{0}{D_{10}} + \frac{.629}{D_{11}} + \frac{.06}{Q_B} - \frac{4.84}{Q_A} = \frac{4.93}{G_{A-B}}$$

$$\frac{4.93}{G_{A-B}} + \frac{4.84}{N_A} = \frac{9.77}{N_B}$$

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A DIV	RNF	REACH B DIV	RNF
				4.84 (N _A)		9.77 (N _B)
D ₁ (H)	1	0.6	<u>0</u>	<u>0</u>		9.77
D ₃ (J)	2		<u>0</u> *	<u>0</u>		9.77
D ₄₋₉ (J)	2 }	18.61**			9.081	.689
D ₁₀ (T)	3	6.56			<u>0</u>	.689
D ₁₁ (N)	4	2.63			.689	<u>0</u>
D ₃ (J)	5		_____	_____		_____
D ₄₋₉ (J)	5 }	2.46**				_____
D ₁ (H)	6	400.00	_____	_____		_____
D ₁₁ (N)	7a	0.97			_____	_____
D ₁₁ (N)	7b	0.834			_____	_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Creek Measurement was 4.35^{cfs} on way up. and set for 4.84 on way Down

May M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE Apr 15-94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows. Sign and date form.

Note: Show all flows in cfs.

D_1 0
HULET(live)

D_2 0
HULET(stored)

D_3 0
JLL

Q_M 0
CANAL TOTAL

Q_A 4.35
CREEK

Q_I 4.42
INLET

D_4 4.97

D_5 4.40

D_6 3.95

D_7 4.50

D_8 1.01

D_9 1.58

15.215
JLL TOTAL

Dammed up before water underneath
water underneath

D_{10} 0
TYSON

D_{11} 0.776
NAHAS

Q_B .06
CREEK

Snake River

90 miles

Sinker Creek

Computing Natural Flows

$$\frac{0}{D_1} + \frac{0}{D_3} + \frac{4.35}{Q_A} = \frac{4.35}{N_A}$$

$$\frac{(15.215 + 0 + 0.776 + 0.06) - 4.35}{JLL\ TOTAL\ D_{10}\ D_{11}\ Q_B\ Q_A} = \frac{11.701}{G_{A-B}}$$

$$\frac{11.701 + 4.35}{G_{A-B}\ N_A} = \frac{16.051}{N_B}$$

WATER ALLOCATION WORKSHEET

PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				4.35 (N _A)		16.051 (N _B)
D ₁ (H)	1	0.6	<u>0</u>	<u>0</u>		16.051
D ₃ (J)	2	18.61**	<u>0</u> *	<u>0</u>		16.051
D ₄₋₉ (J)	2 }				15.215	.836
D ₁₀ (T)	3	6.56			<u>0</u>	.836
D ₁₁ (N)	4	2.63			.836	<u>0</u>
D ₃ (J)	5	2.46**	_____	_____	_____	_____
D ₄₋₉ (J)	5 }				_____	_____
D ₁ (H)	6	400.00	_____	_____	_____	_____
D ₁₁ (N)	7a	0.97			_____	_____
D ₁₁ (N)	7b	0.834			_____	_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied
(unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Having trouble with Res Door. Will lock but not stay latched. still have chain on.

Mary M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE Apr 25 - 94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows. Sign and date form.

91 miles

Q_B 106
CREEK

D_{11} 1.37
NAHAS

D_{10} 0
TYSON

Note: Show all flows in cfs.

Sinker Creek

D_1 0
HULET(live)

D_2 0
HULET(stored)

D_3 0
JLL

Q_M 0
CANAL TOTAL

MMC

D_4 4.14

D_5 2.09

D_6 2.23

D_7 0.475

D_8 0.449

D_9 0.216

10.102
JLL TOTAL

Q_A 10.75
CREEK

Q_I 10.65
INLET

Computing Natural Flows

$$\frac{0}{D_1} + \frac{0}{D_3} + \frac{10.75}{Q_A} = \frac{10.75}{N_A}$$

$$\frac{(10.102 + 0 + 1.37 + 106) - 10.75}{Q_A} = \frac{0.782}{G_{A-B}}$$

$$\frac{0.782}{G_{A-B}} + \frac{10.75}{N_A} = \frac{11.532}{N_B}$$

water under weirs
water heading back weirs

Snake River

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A	RNF	REACH B	RNF
			DIV		DIV	
				10.75 _(N_A)		11.532 _(N_B)
D ₁ (H)	1	0.6	<u>0</u>	<u>0</u>		11.532
D ₃ (J)	2	18.61**	<u>0</u> *	<u>0</u>		11.532
D ₄₋₉ (J)	2 }				10.102	1.43
D ₁₀ (T)	3	6.56			<u>0</u>	1.43
D ₁₁ (N)	4	2.63			1.43	<u>0</u>
D ₃ (J)	5	2.46**				
D ₄₋₉ (J)	5 }					
D ₁ (H)	6	400.00				
D ₁₁ (N)	7a	0.97				
D ₁₁ (N)	7b	0.834				

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Paul called said he is up to make check today. / Apr 24-94 Paul called informed he turned ^{crack} water in canal. Plus is ^{well} (pumping) in canal too.

May M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE Apr 26, 94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D_1 ①
HULET(live)

D_2 ①
HULET(stored)

Some creek water going
To Bench Field
JLL

Q_M
CANAL TOTAL

Q_A 9.48
CREEK

Q_I 9.33
INLET

D_4 4.14

D_5 3.05

D_6 2.09

D_7 1.57

D_8 1.37

D_9 2.74

15.49
JLL TOTAL

.214
.316

D_{10} ①
TYSON

D_{11} 3.30
NAHAS

Q_B .06
CREEK

92 miles

Snake River

Sinker Creek

Computing Natural Flows

$$\frac{0}{D_1} + \frac{?}{D_3} + \frac{9.48}{Q_A} = \frac{9.48}{N_A}$$

$$\frac{(15.49 + 0)}{JLL \text{ TOTAL}} + \frac{0}{D_{10}} + \frac{3.30}{D_{11}} + \frac{(.06)}{Q_B} - \frac{9.48}{Q_A} = \frac{9.37}{G_{A-B}}$$

$$\frac{9.37}{G_{A-B}} + \frac{9.48}{N_A} = \frac{18.85}{N_B}$$

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				9.48(N _A)		18.85(N _B)
D ₁ (H)	1	0.6	<u>0</u>	<u>0</u>		18.85
D ₃ (J)	2	18.61**	<u>0</u> *	<u>0</u>		18.85
D ₄₋₉ (J)	2 }				15.49	3.36
D ₁₀ (T)	3	6.56			<u>0</u>	3.36
D ₁₁ (N)	4	2.63			3.36	<u>0</u>
D ₃ (J)	5	2.46**	_____	_____		_____
D ₄₋₉ (J)	5 }					_____
D ₁ (H)	6	400.00	_____	_____		_____
D ₁₁ (N)	7a	0.97				_____
D ₁₁ (N)	7b	0.834				_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Called Windy, Baker wants water, Cindy says to turn water to creek.
if Nahas is not up when I make next check, called Paul informed
Nahas need more water, ~~or~~ next check, will put creek water back in creek.

Mary M. Blackstock
 WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE May 2 94

92 miles

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows. Sign and date form.

Note: Show all flows in cfs.

D_1 0
HULET(live)

D_2 0
HULET(stored)

D_3 Some Creek water
JLL

Q_M
CANAL TOTAL

Q_A 7.12
CREEK

Q_I 7.17
INLET

D_4 4.14

D_5 1.63

D_6 1.44

D_7 1.37

D_8 1.50 .280

D_9 2.37 .470

13.2
JLL TOTAL

D_{10} 0
TYSON

D_{11} 3.06
NAHAS

Q_B .06
CREEK

Snake River

Sinker Creek

Computing Natural Flows

$$\frac{0}{D_1} + \frac{0}{D_3} + \frac{7.12}{Q_A} = \frac{7.12}{N_A}$$

$$\frac{(13.2 + 0 + 3.06 + .06) - 7.12}{Q_A} = \frac{9.2}{G_{A-B}}$$

$$\frac{9.2}{G_{A-B}} + \frac{7.12}{N_A} = \frac{16.32}{N_B}$$

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A	RNF	REACH B	RNF
			DIV		DIV	
				<u>7.12</u> (N _A)		<u>16.32</u> (N _B)
D ₁ (H)	1	0.6	<u>0</u>	<u>0</u>		<u>16.32</u>
D ₃ (J)	2	18.61**	<u>0</u> *	<u>0</u>		<u>16.32</u>
D ₄₋₉ (J)	2 }				<u>13.2</u>	<u>3.12</u>
D ₁₀ (T)	3	6.56			<u>0</u>	<u>3.12</u>
D ₁₁ (N)	4	2.63			<u>3.12</u>	<u>0</u>
D ₃ (J)	5	2.46**	_____	_____		_____
D ₄₋₉ (J)	5 }					
D ₁ (H)	6	400.00	_____	_____		_____
D ₁₁ (N)	7a	0.97				_____
D ₁₁ (N)	7b	0.834				_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: made check Nahas water is 3.12 Tried to find Baker. found Paul Told Measum
Paul is pumping in creek so just exchanging water. if ok. with Baker wed leave
explained that he's probably getting more water cause Paul wanted get all creek
water. and is sending after Bakers way. called Paul. He called Baker explained
He understands now.

May M. Blackstock
 WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE May 9 94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows. Sign and date form.

Note: Show all flows in cfs.

D_1 0
HULET(live)

D_2 0
HULET(stored)

D_3 Some creek water
JLL

Q_M _____
CANAL TOTAL

Q_A 11.62
CREEK

11.67
 Q_I 0
INLET

D_4 1.20

D_5 2.97

D_6 .886

D_7 1.30

D_8 1.50 .246

D_9 1.44 .691

10.233
JLL TOTAL

D_{10} 0
TYSON

D_{11} 3.30
NAHAS

Q_B .05
CREEK

Snake River

94 miles

Sinker Creek

Computing Natural Flows

$$\frac{0}{D_1} + \frac{?}{D_3} + \frac{11.62}{Q_A} = \frac{11.62}{N_A}$$

$$\frac{(10.233 + 0 + 3.30 + .05)}{JLL\ TOTAL\ D_{10}\ D_{11}\ Q_B} - \frac{11.62}{Q_A} = \frac{1.963}{G_{A-B}}$$

$$\frac{1.963}{G_{A-B}} + \frac{11.62}{N_A} = \frac{13.583}{N_B}$$

WATER ALLOCATION WORKSHEET

PARTY	RANK	AMOUNT (cfs)	REACH A	RNF	REACH B	RNF
			DIV		DIV	
				11.62 (N _A)		13.583 (N _B)
D ₁ (H)	1	0.6	<u>0</u>	<u>0</u>		13.583
D ₃ (J)	2	18.61**	<u>0</u> *	<u>0</u>		13.583
D ₄₋₉ (J)	2 }				10.233	3.35
D ₁₀ (T)	3	6.56			<u>0</u>	<u>0</u>
D ₁₁ (N)	4	2.63			3.35	3.35
D ₃ (J)	5	2.46**				
D ₄₋₉ (J)	5 }					
D ₁ (H)	6	400.00				
D ₁₁ (N)	7a	0.97				
D ₁₁ (N)	7b	0.834				

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Paul talked to Baker. Things are o.k.

Mary M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE May 16-94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D_1 0
HULET(live)

D_2 0
HULET(stored)

D_3 ?
JLL

Q_M
CANAL TOTAL

Q_A 9.90
CREEK

Q_I 9.98
INLET

D_4 4.41

D_5 3.45

D_6 1.50

D_7 1.30

D_8 1.38 .200

D_9 1.44 .990

14.75
JLL TOTAL

93 miles

Q_B .06
CREEK

D_{11} 2.82
NAHAS

D_{10} 0
TYSON

Sinker Creek

Snake River

Computing Natural Flows

$$\frac{0}{D_1} + \frac{0}{D_3} + \frac{9.90}{Q_A} = \frac{9.90}{N_A}$$

$$\frac{(14.75 + 0 + 2.82 + .06)}{JLL\ TOTAL\ D_{10}\ D_{11}\ Q_B} - \frac{9.90}{Q_A} = \frac{7.73}{G_{A-B}}$$

$$\frac{7.73}{G_{A-B}} + \frac{9.90}{N_A} = \frac{17.63}{N_B}$$

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A DIV	RNF	REACH B DIV	RNF
				9.90 (N _A)		17.63 (N _B)
D ₁ (H)	1	0.6	0	0		17.63
D ₃ (J)	2		*	0		17.63
D ₄₋₉ (J)	2 }	18.61**			14.75	2.88
D ₁₀ (T)	3	6.56			0	2.88
D ₁₁ (N)	4	2.63			2.88	0
D ₃ (J)	5					
D ₄₋₉ (J)	5 }	2.46**				
D ₁ (H)	6	400.00				
D ₁₁ (N)	7a	0.97				
D ₁₁ (N)	7b	0.834				

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied
(unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Got letter from Nahas lawyer, not getting 180 in. called Paul 3 times Cindy 2
Paul thought things were straight. Told Paul just to turn ^{over} water in creek.

May M. Blockstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE May 23-94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D_1 0
HULET(live)

D_2 0
HULET(stored)

D_3 3.00
JLL

Q_M 3.00
CANAL TOTAL

MMC

Q_A 6.39
CREEK

Q_I 6.30
INLET

D_4 9.87

D_5 3.13

D_6 1.57

D_7 1.44

D_8 1.15 $\div 1.89$

D_9 0.937 $\div 6.91$

18.977
JLL TOTAL

D_{10} 0
TYSON

D_{11} 2.48
NAHAS

Q_B 0.04
CREEK

Snake River

Sinker Creek

Computing Natural Flows

$$\frac{0}{D_1} + \frac{3.00}{D_3} + \frac{6.39}{Q_A} = \frac{9.39}{N_A}$$

$$\frac{(18.977 + 0)}{JLL \text{ TOTAL}} + \frac{2.48}{D_{10}} + \frac{0.04}{D_{11}} - \frac{6.39}{Q_A} = \frac{15.167}{G_{A-B}}$$

$$\frac{15.167}{G_{A-B}} + \frac{9.39}{N_A} = \frac{24.497}{N_B}$$

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				9.39 (NA)		24.497 (NB)
D ₁ (H)	1	0.6	0	0		24.497
D ₃ (J)	2	18.61**	3.00*	6.39		18.107
D ₄₋₉ (J)	2				18.977	-0.87
D ₁₀ (T)	3	6.56			0	-0.87
D ₁₁ (N)	4	2.63			2.52	-1.65
D ₃ (J)	5	2.46**				
D ₄₋₉ (J)	5					
D ₁ (H)	6	400.00				
D ₁₁ (N)	7a	0.97				
D ₁₁ (N)	7b	0.834				

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Paul called and wanted 3.00 cfs to Bench Field (Did) May 24. Talked to Tammy Baker at Costco, she explained on this water creek vs canal, she said to switch back to pumps, I'd ask Paul. Called Paul, said he had first rights filled of 18.61 cfs, has to fill Mayhous 263 Now, has extra with water to Bench field. He said he'd see what he could get sent down. also informed T. Baker said it would be better to pump, and get what water they could, But not enforced.

Mary M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE May 31-94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D_1 0
HULET(live)

D_2 0
HULET(stored)

D_3 3.00
JLL

Q_M _____
CANAL TOTAL

MMC

Q_A 5.51
CREEK

Q_I 5.47
INLET

D_4 3.61

D_5 2.97

D_6 1.21

D_7 1.76

D_8 1.50 .246

D_9 2.28 .786

14.362
JLL TOTAL

D_{10} 0
TYSON

D_{11} 4.86
NAHAS

Q_B .10
CREEK

Snake River

9.4 miles

Sinker Creek

Computing Natural Flows

$$\frac{0}{D_1} + \frac{3.00}{D_3} + \frac{5.51}{Q_A} = \frac{8.51}{N_A}$$

$$\frac{(14.362 + 0 + 4.86 + .10)}{JLL\ TOTAL\ D_{10}\ D_{11}\ Q_B} - \frac{5.51}{Q_A} = \frac{13.812}{G_{A-B}}$$

$$\frac{13.812}{G_{A-B}} + \frac{8.51}{N_A} = \frac{22.322}{N_B}$$

WATER ALLOCATION WORKSHEET

PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				<u>8.51</u> (N _A)		<u>22.522</u> (N _B)
D ₁ (H)	1	0.6	<u>0</u>	<u>8.51</u>		<u>22.522</u>
D ₃ (J)	2		<u>3.00</u> *	<u>5.51</u>		<u>18.812</u>
	}	18.61**				
D ₄₋₉ (J)	2				<u>14.362</u>	<u>2.45</u>
D ₁₀ (T)	3	6.56			<u>0</u>	<u>0</u>
D ₁₁ (N)	4	2.63			<u>4.96</u>	<u>-2.51</u>
D ₃ (J)	5		_____	_____	_____	_____
	}	2.46**				
D ₄₋₉ (J)	5				_____	_____
D ₁ (H)	6	400.00	_____	_____	_____	_____
D ₁₁ (N)	7a	0.97			_____	_____
D ₁₁ (N)	7b	0.834			_____	_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied
(unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: _____

Mary M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE June 6-94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D_1 0
HULET(live)

D_2 0
HULET(stored)

D_3 2.2
JLL

Q_M 2.2
CANAL TOTAL

MMC

Q_A 3.59
CREEK

Q_I 3.69
INLET

D_4 2.19

D_5 1.95

D_6 .691

D_7 1.89

D_8 1.15

D_9 .691

10.463
JLL TOTAL

.691
1.21
Water Leaking
around base of weir

D_{10} 0
TYSON

D_{11} 3.30
NAHAS

Q_B .08
CREEK

Snake
River

Sinker Creek

Computing Natural Flows

$$\frac{0}{D_1} + \frac{2.2}{D_3} + \frac{3.59}{Q_A} = \frac{5.79}{N_A}$$

$$\frac{(10.463 + 0 + 3.30 + .08)}{JLL\ TOTAL\ D_{10}\ D_{11}\ Q_B} - \frac{3.59}{Q_A} = \frac{10.253}{G_{A-B}}$$

$$\frac{10.253}{G_{A-B}} + \frac{5.79}{N_A} = \frac{16.043}{N_B}$$

94 miles

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				5.79 (N _A)		16.043 (N _B)
D ₁ (H)	1	0.6	0	5.79		16.043
D ₃ (J)	2	18.61**	2.2 *	3.59		12.453
D ₄₋₉ (J)	2 }				10.463	1.99
D ₁₀ (T)	3	6.56			0	1.99
D ₁₁ (N)	4	2.63			3.38	-1.39
D ₃ (J)	5	2.46**				
D ₄₋₉ (J)	5 }					
D ₁ (H)	6	400.00				
D ₁₁ (N)	7a	0.97				
D ₁₁ (N)	7b	0.834				

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Water in creek. Made measurement on June 13-94 water was in canal 2.2 cfs
to Bench field.

Mary M. Blackstock
 WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE June 13-74

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D_1 0
HULET(live)

D_2 0
HULET(stored)

D_3 1.15
JLL

Q_M 1.15
CANAL TOTAL

MMC

Q_A 2.34
CREEK

Q_I 2.36
INLET

D_4 1.38

D_5 1.57

D_6 1.04

D_7 ~~1.15~~

D_8 .599

D_9 .555

5.664
JLL TOTAL

Sinker Creek

D_{10} 0
TYSON

D_{11} 1.55
NAHAS

Q_B .05
CREEK

Snake River

Computing Natural Flows

$$\frac{0}{D_1} + \frac{1.15}{D_3} + \frac{2.34}{Q_A} = \frac{3.49}{N_A}$$

$$\frac{(5.664)}{JLL\ TOTAL} + \frac{0}{D_{10}} + \frac{1.55}{D_{11}} + \frac{.05}{Q_B} - \frac{2.34}{Q_A} = \frac{4.924}{G_{A-B}}$$

$$\frac{4.924}{G_{A-B}} + \frac{3.49}{N_A} = \frac{8.414}{N_B}$$

103 miles

WATER ALLOCATION WORKSHEET

PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				3.49 (N _A)		8.414 (N _B)
D ₁ (H)	1	0.6	<u>0</u>	<u>3.49</u>		<u>8.414</u>
D ₃ (J)	2		<u>1.15</u> *	<u>2.34</u>		<u>6.074</u>
	}	18.61**				
D ₄₋₉ (J)	2				<u>5.664</u>	<u>0.41</u>
D ₁₀ (T)	3	6.56			<u>0</u>	<u>0.41</u>
D ₁₁ (N)	4	2.63			<u>1.6</u>	<u>-1.19</u>
D ₃ (J)	5		_____	_____		_____
	}	2.46**				
D ₄₋₉ (J)	5				_____	_____
D ₁ (H)	6	400.00	_____	_____		_____
D ₁₁ (N)	7a	0.97			_____	_____
D ₁₁ (N)	7b	0.834			_____	_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied
(unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: _____

Mary M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE June 20-94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D_1 0
HULET(live)

D_2 0
HULET(stored)

D_3 0
JLL

Q_M 0
CANAL TOTAL

Q_A 1.50
CREEK

Q_I 1.58
INLET

D_4 .429

D_5 1.21

D_6 0

D_7 .667

D_8 .555 .321

D_9 .390 .599

4.171
JLL TOTAL

D_{10} 0
TYSON

D_{11} .776
NAHAS

Q_B .04
CREEK

Snake River

Sinker Creek

Computing Natural Flows

$$\frac{0}{D_1} + \frac{0}{D_3} + \frac{1.50}{Q_A} = \frac{1.50}{N_A}$$

$$\frac{(4.171 + 0 + .776 + .04)}{JLL\ TOTAL\ D_{10}\ D_{11}\ Q_B} - \frac{1.50}{Q_A} = \frac{3.487}{G_{A-B}}$$

$$\frac{3.487}{G_{A-B}} + \frac{1.50}{N_A} = \frac{4.987}{N_B}$$

WATER ALLOCATION WORKSHEET

PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				1.50 (N _A)		4.987 (N _B)
D ₁ (H)	1	0.6	0	1.50		4.987
D ₃ (J)	2	18.61**	0 *	1.50		4.987
D ₄₋₉ (J)	2 }				4.171	.816
D ₁₀ (T)	3	6.56			0	.816
D ₁₁ (N)	4	2.63			7.36	<u>+1.08</u>
D ₃ (J)	5	2.46**				
D ₄₋₉ (J)	5 }					
D ₁ (H)	6	400.00				
D ₁₁ (N)	7a	0.97				
D ₁₁ (N)	7b	0.834				

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Hulet called June 23. Asked how he could get his water. Said if thought any time if weirs were in place if not there could be no conflicts by Paul & him settled. would have to ask water Reg. He'd call with me to. was informed if weirs were not in, no water. Called Hulet, had call up. W.R. called said they'd come out Monday to inspect weirs. after that Hulet got permission, cut chain? said was emp. pump down. meet Cindy June 27.

Hulet Had 21.12 cfs in canal.

Mary M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

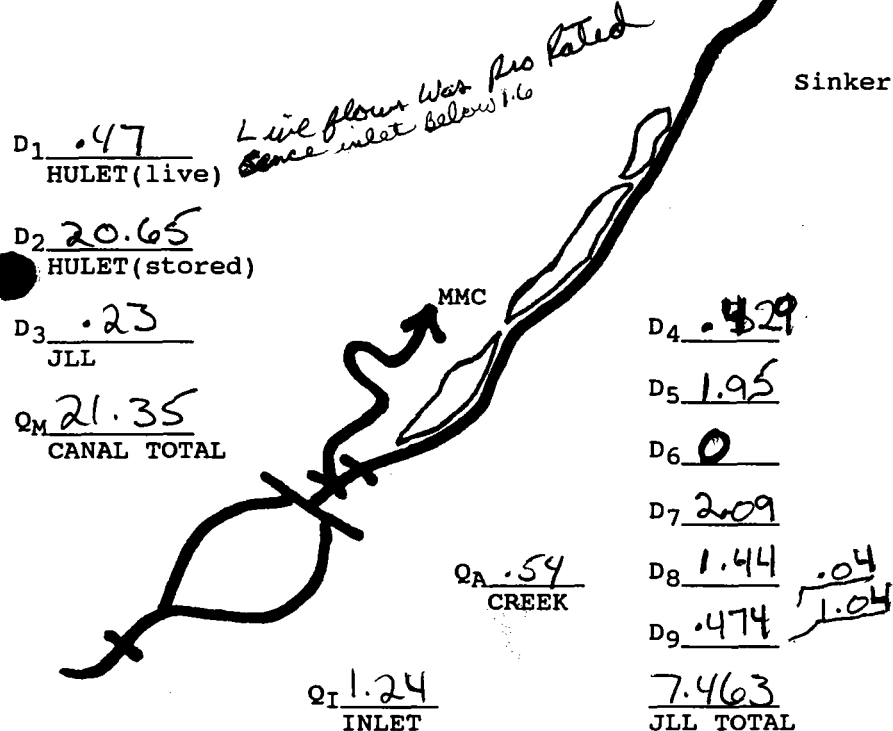
Page 1

DATE June 27-94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.



Computing Natural Flows

$$\begin{aligned}
 &\frac{.47}{D_1} + \frac{.23}{D_3} + \frac{.54}{Q_A} = \frac{1.24}{N_A} \\
 &\frac{(7.463 + .54 + .860 + .04)}{JLL \text{ TOTAL}} - \frac{.54}{Q_A} = \frac{8.363}{G_{A-B}} \\
 &\frac{8.363}{G_{A-B}} + \frac{1.24}{N_A} = \frac{9.603}{N_B}
 \end{aligned}$$

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				1.24 (N _A)		9.603 (N _B)
D ₁ (H)	1	0.6	.47	.77		8.833
D ₃ (J)	2		.23 *	.54		8.293
D ₄₋₉ (J)	2 }	18.61**			7.463	.83
D ₁₀ (T)	3	6.56			.54	.29
D ₁₁ (N)	4	2.63			.864	- .574
D ₃ (J)	5		_____	_____		_____
D ₄₋₉ (J)	5 }	2.46**				_____
D ₁ (H)	6	400.00	_____	_____		_____
D ₁₁ (N)	7a	0.97				_____
D ₁₁ (N)	7b	0.834				_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: met Cindy. she checked canal weir, was O.K. Turned flows back up. she'd work on canal work sheets. let me know. couldn't find Rob or Paul. Told Tobie? To turn off small pump. was not enough water to run. He was heading up a 2:pm to shut off. also Res House Door Screwed up. won't shut. Just chained & locked.

May M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE Jul 4 94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D_1 .40
HULET(live)

D_2 15.67
HULET(stored)

D_3 .0
JLL

Q_M 16.07
CANAL TOTAL

MMC

Q_A .67
CREEK

Q_I 1.07
INLET

D_4 5.12

D_5 1.76

D_6 0

D_7 2.02

D_8 1.32

D_9 .430

7.072
JLL TOTAL

D_{10} .54
TYSON

D_{11} 36.3
NAHAS

Q_B .03
CREEK

Snake River

Sinker Creek

Computing Natural Flows

$$\frac{.40}{D_1} + \frac{.0}{D_3} + \frac{.67}{Q_A} = \frac{1.07}{N_A}$$

$$\frac{7.072}{JLL\ TOTAL} + \frac{.54}{D_{10}} + \frac{.363}{D_{11}} + \frac{.03}{Q_B} - \frac{.67}{Q_A} = \frac{7.335}{G_{A-B}}$$

$$\frac{7.335}{G_{A-B}} + \frac{1.07}{N_A} = \frac{8.405}{N_B}$$

108 miles

WATER ALLOCATION WORKSHEET

PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				1.07 (N _A)		8.405 (N _B)
D ₁ (H)	1	0.6	.40	.67		7.735
D ₃ (J)	2	18.61**	0 *	.0		7.735
D ₄₋₉ (J)	2				7.072	.663
D ₁₀ (T)	3	6.56			.54	.123
D ₁₁ (N)	4	2.63			.366	- .213
D ₃ (J)	5	2.46**	_____	_____	_____	_____
D ₄₋₉ (J)	5		_____	_____	_____	_____
D ₁ (H)	6	400.00	_____	_____	_____	_____
D ₁₁ (N)	7a	0.97	_____	_____	_____	_____
D ₁₁ (N)	7b	0.834	_____	_____	_____	_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Hulet called said he was short. Wants to find out where water is. Last week with Cindy set water on canal stop 4.68 when it checked was a 4.58. Used to 4.72. Cindy figures measure table for weir is not right. Robbie say water will shut off over weir on one side long before other. measured with stick got 16.07 cfs. But ~~stop~~ canal stop reads 23.07 cfs. Weir is mostly submerged a little air. Paul has shut off lift pump. Bench & Small pump July 5-94. Wants to save till about last 11 days.

checked canal. Small pump, could not find weir by road?

May M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE July 11 - 94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

miles 94

Q_B .03
CREEK

D_{11} .235
NAHAS

D_{10} .54
TYSON

Note: Show all flows in cfs.

Sinker Creek

D_1 .26
HULET(live)

D_2 15.81
HULET(stored)

D_3 0
JLL

Q_M 16.07
CANAL TOTAL

MMC

D_4 .494

D_5 1.82

D_6 0

D_7 1.69

D_8 .691

D_9 .470 .599

Q_A .44
CREEK

Q_I .7
INLET

5.764
JLL TOTAL

Computing Natural Flows

$$\frac{.26}{D_1} + \frac{0}{D_3} + \frac{.44}{Q_A} = \frac{.7}{N_A}$$

$$\frac{(5.764 + .54 + .235 + .03) - .44}{JLL\ TOTAL\ D_{10}\ D_{11}\ Q_B\ Q_A} = \frac{6.129}{G_{A-B}}$$

$$\frac{6.129}{G_{A-B}} + \frac{.7}{N_A} = \frac{6.829}{N_B}$$

Snake River

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A DIV	RNF	REACH B DIV	RNF
				<u>.7</u> (N _A)		<u>6.829</u> (N _B)
D ₁ (H)	1	0.6	<u>.26</u>	<u>.44</u>		<u>6.389</u>
D ₃ (J)	2	18.61**	<u>0</u> *	<u>.0</u>		<u>6.389</u>
D ₄₋₉ (J)	2 }				<u>5.764</u>	<u>.625</u>
D ₁₀ (T)	3	6.56			<u>.54</u>	<u>.085</u>
D ₁₁ (N)	4	2.63			<u>.265</u>	<u>- .18</u>
D ₃ (J)	5	2.46**				
D ₄₋₉ (J)	5 }					
D ₁ (H)	6	400.00				
D ₁₁ (N)	7a	0.97				
D ₁₁ (N)	7b	0.834				

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Paul called A.M. Said pump was on in canal. Jay called 10:50 PM. Says he shot
~~Paul is taking.~~

1 CFS. Told him it went up to day, water was low from last week's sitting, Becaus Res + getting low and
 not coming out as fast. Paul was pumping in canal and it might be low because of drop in Res. He, Jay
 wishes it'd inform him, Told it put slip in box as he has requested, and more arguing. He said it
 should know when Paul turned pump on, it said it don't stay down there 24 hours a day. and it don't have figures
 on canal yet, to do proper figuring. He'll call ~~RAY~~.

Mary M. Blackstock
 WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

DATE July 13.94

107 miles

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D_1 .26
HULET(live)

D_2 15.81
HULET(stored)

D_3 0
JLL

Q_M 16.07
CANAL TOTAL

MMC

Q_A .44
CREEK

Q_I .7
INLET

D_4 4.94

D_5 1.82

D_6 0

D_7 1.69

D_8 .691

D_9 .470

5.764
JLL TOTAL

D_{10} .54
TYSON

D_{11} .235
NAHAS

Q_B .03
CREEK

Snake River

Sinker Creek

Computing Natural Flows

$$\frac{.26}{D_1} + \frac{0}{D_3} + \frac{.44}{Q_A} = \frac{.7}{N_A}$$

$$\frac{(5.764 + .54 + .235 + .03) - .44}{JLL\ TOTAL\ D_{10}\ D_{11}\ Q_B\ Q_A} = \frac{6.129}{G_{A-B}}$$

$$\frac{6.129}{G_{A-B}} + \frac{.7}{N_A} = \frac{6.829}{N_B}$$

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A		REACH B	
			DIV	RNF	DIV	RNF
				<u>.7</u> (N _A)		<u>6.829</u> (N _B)
D ₁ (H)	1	0.6	<u>.26</u>	<u>.44</u>		<u>6.389</u>
D ₃ (J)	2	18.61**	<u>0</u> *	<u>0</u>		<u>6.389</u>
D ₄₋₉ (J)	2 }				<u>5.764</u>	<u>.625</u>
D ₁₀ (T)	3	6.56			<u>.54</u>	<u>.085</u>
D ₁₁ (N)	4	2.63			<u>.265</u>	<u>-.18</u>
D ₃ (J)	5	2.46**	_____	_____	_____	_____
D ₄₋₉ (J)	5 }				_____	_____
D ₁ (H)	6	400.00	_____	_____	_____	_____
D ₁₁ (N)	7a	0.97			_____	_____
D ₁₁ (N)	7b	0.834			_____	_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Water is dropping losing back pressure.

Mary M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE July 14 - 94

miles 68

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows. Sign and date form.

Note: Show all flows in cfs.

D_1 .26
HULET(live)

D_2 8.14
HULET(stored)

D_3 0
JLL

Q_M 8.4
CANAL TOTAL

Q_A .44
CREEK

Q_I .7
INLET

D_4 4.94

D_5 1.82

D_6 0

D_7 1.69

D_8 .691

D_9 .470

5.764
JLL TOTAL

Sinker Creek

D_{10} .54
TYSON

D_{11} .235
NAHAS

Q_B .03
CREEK

Snake River

Computing Natural Flows

$$\frac{.26}{D_1} + \frac{0}{D_3} + \frac{.44}{Q_A} = \frac{.7}{N_A}$$

$$\left(\frac{5.764}{JLL \text{ TOTAL}} + \frac{.54}{D_{10}} + \frac{.235}{D_{11}} + \frac{.03}{Q_B} \right) - \frac{.44}{Q_A} = \frac{6.129}{G_{A-B}}$$

$$\frac{6.129}{G_{A-B}} + \frac{.7}{N_A} = \frac{6.829}{N_B}$$

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A DIV	RNF	REACH B DIV	RNF
				<u>.7</u> (N _A)		<u>6.829</u> (N _B)
D ₁ (H)	1	0.6	<u>.26</u>	<u>.44</u>		<u>6.389</u>
D ₃ (J)	2		<u>0</u> *	<u>0</u>		<u>6.389</u>
D ₄₋₉ (J)	2 }	18.61**			<u>5.764</u>	<u>.625</u>
D ₁₀ (T)	3	6.56			<u>.54</u>	<u>.085</u>
D ₁₁ (N)	4	2.63			<u>.265</u>	<u>- .18</u>
D ₃ (J)	5		_____	_____		_____
D ₄₋₉ (J)	5 }	2.46**				_____
D ₁ (H)	6	400.00	_____	_____		_____
D ₁₁ (N)	7a	0.97				_____
D ₁₁ (N)	7b	0.834				_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied
(unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: only 8.4 cfs stored

Mary M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE July 14-94

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

68 miles

Note: Show all flows in cfs.

D_1 .26
HULET(live)

D_2 1.896
HULET(stored)

D_3 _____
JLL

Q_M 2.156
CANAL TOTAL

MMC

Q_A .44
CREEK

Q_I .7
INLET

D_4 _____

D_5 _____

D_6 _____

D_7 _____

D_8 _____

D_9 _____

JLL TOTAL

D_{10} _____
TYSON

D_{11} _____
NAHAS

Q_B _____
CREEK

Snake
River

Sinker Creek

Computing Natural Flows

$$\frac{D_1}{D_1} + \frac{D_3}{D_3} + \frac{Q_A}{Q_A} = \frac{N_A}{N_A}$$

$$\left(\frac{JLL\ TOTAL}{JLL\ TOTAL} + \frac{D_{10}}{D_{10}} + \frac{D_{11}}{D_{11}} + \frac{Q_B}{Q_B} \right) - \frac{Q_A}{Q_A} = \frac{G_{A-B}}{G_{A-B}}$$

$$\frac{G_{A-B}}{G_{A-B}} + \frac{N_A}{N_A} = \frac{N_B}{N_B}$$

WATER ALLOCATION WORKSHEET

Page 2

PARTY	RANK	AMOUNT (cfs)	REACH A	RNF	REACH B	RNF
			DIV	_____ (N _A)	DIV	_____ (N _B)
D ₁ (H)	1	0.6	_____	_____	_____	_____
D ₃ (J)	2	18.61**	_____ *	_____	_____	_____
D ₄₋₉ (J)	2 }		_____	_____	_____	_____
D ₁₀ (T)	3	6.56	_____	_____	_____	_____
D ₁₁ (N)	4	2.63	_____	_____	_____	_____
D ₃ (J)	5	2.46**	_____	_____	_____	_____
D ₄₋₉ (J)	5 }		_____	_____	_____	_____
D ₁ (H)	6	400.00	_____	_____	_____	_____
D ₁₁ (N)	7a	0.97	_____	_____	_____	_____
D ₁₁ (N)	7b	0.834	_____	_____	_____	_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied
(unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: 2.156 over canal weir and no water over road weir. (Season over)

Mary M. Blackstock
WATERMASTER SIGNATURE

SINKER CREEK WATERMASTER REPORT

Page 1

DATE Aug 17-94

72 miles

Instructions for completing form

1. Measure flows at Q_I , Q_M , Q_A , D_4-11 , Q_B , and record.
2. Determine flows at D_1-3 and record.
3. Use recorded flows to compute Natural Flows (formula below).
4. Use computed Natural Flows N_A and N_B to complete water allocation worksheet (see back page).
5. Make adjustments as necessary to diverted flows.
6. Sign and date form.

Note: Show all flows in cfs.

D_1 _____
HULET(live)

D_2 _____
HULET(stored)

D_3 _____
JLL

Q_M _____
CANAL TOTAL

MMC

D_4 _____

D_5 _____

D_6 _____

D_7 _____

D_8 _____

D_9 _____

JLL TOTAL

Q_A _____
CREEK

Q_I _____
INLET

Sinker Creek

D_{10} _____
TYSON

D_{11} _____
NAHAS

Q_B _____
CREEK

Snake
River

Computing Natural Flows

$$\frac{D_1}{D_1} + \frac{D_3}{D_3} + \frac{Q_A}{Q_A} = \frac{N_A}{N_A}$$

$$\left(\frac{JLL\ TOTAL}{JLL\ TOTAL} + \frac{D_{10}}{D_{10}} + \frac{D_{11}}{D_{11}} + \frac{Q_B}{Q_B} \right) - \frac{Q_A}{Q_A} = \frac{G_{A-B}}{G_{A-B}}$$

$$\frac{G_{A-B}}{G_{A-B}} + \frac{N_A}{N_A} = \frac{N_B}{N_B}$$

WATER ALLOCATION WORKSHEET

PARTY	RANK	AMOUNT (cfs)	REACH A	RNF	REACH B	RNF
			DIV		DIV	
				_____ (N _A)		_____ (N _B)
D ₁ (H)	1	0.6	_____	_____		_____
D ₃ (J)	2	18.61**	_____ *	_____		_____
D ₄₋₉ (J)	2 }					
D ₁₀ (T)	3	6.56			_____	_____
D ₁₁ (N)	4	2.63			_____	_____
D ₃ (J)	5	2.46**	_____	_____		_____
D ₄₋₉ (J)	5 }					
D ₁ (H)	6	400.00	_____	_____		_____
D ₁₁ (N)	7a	0.97			_____	_____
D ₁₁ (N)	7b	0.834			_____	_____

* If flow is being diverted at D₃, then rights ranked 3, 4, and 7a must be satisfied (unless delivery is declined)

** These flows may be diverted in either reach

(H) Jay Hulet

(J) Joyce Land and Livestock, Paul Nettleton, owner/operator

(T) Tyson Ranch, O. K. Hackley, owner; Irene Tyson, operator

(N) Nahas Ranch, R. T. Nahas, owner; John Richard, manager

COMMENTS: Paul Requested I make inlet & outlet measurement, - Did, - *inlet was Dry as a bone* on creek *outlet* *Stoff Measure's*
 5.46 = .10 cfs, measurement over ^{creek} weir was .11 on Stoff = .718 cfs

Mary M. Blackstock
 WATERMASTER SIGNATURE