METHOW RIVER BASIN

12448990 TWISP RIVER ABOVE NEWBY CREEK NEAR TWISP, WA--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD. --

WATER TEMPERATURE: October 1, 2001 to September 30, 2002 (discontinued).

INSTRUMENTATION.--Electronic thermister/data logger with fifteen-minute punch interval. Thirty-minute punch interval used February 13 to April 15.

REMARKS.--Records fair.

EXTREMES FOR PERIOD.-WATER TEMPERATURE: Maximum 18.8°C Aug. 15, but may have been higher during period of missing record; minimum, 0.0°C on several days during February and March.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
	OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	12.5	7.4	9.8										
2	11.9	6.8	9.2										
3	11.1	6.3	8.7										
4	9.7	5.3	7.6										
5	9.3	4.3	6.7										
6	9.0	4.6	6.9										
7	8.0	5.0	6.6										
8	8.4	5.4	6.9										
9	8.4	5.1	6.6										
10	6.7	4.6	5.6										
11	8.0	4.3	6.1										
12	9.1	6.0	7.5										
13	9.4	6.0	7.7										
14	8.8	6.3	7.7										
15	8.0	4.3	6.1										
1.0	0 5	- 1											
16	8.5	5.1	6.6										
17	6.6	4.2	5.4										
18	8.5	4.5	6.2										
19	8.5	5.6	6.9										
20	7.0	3.5	5.4										
21	6.8	4.5	5.6										
22	6.7	4.5	5.6										
23	7.1	5.6	6.2										
24	6.5	3.7	5.1										
25	7.3	5.1	6.2										
23	7.3	3.1	0.2										
26	6.7												
27													
28													
29													
30													
31													
MONTH													
I-IOIN T.U.													

2 METHOW RIVER BASIN

12448990 TWISP RIVER ABOVE NEWBY CREEK NEAR TWISP, WA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

		TEMPE	RAIURE,	WATER (DEG	. C), WA	ILK YEAR	OCTOBER 2	1001 10 8	FFIEMBEK	2002		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1				2.7	0 0	0.0	0.2	2 -	г 4			
1 2				2.7 3.3	0.0	0.8 1.2	8.3 7.3	3.5 2.7	5.4 4.7			
3				4.1	0.1	1.8	8.4	2.2	4.8			
4				4.1	0.1	1.9	9.0	2.2	5.1			
5				5.2	1.4	2.8	7.3	2.8	5.0			
6				2.8	0.3	1.5	7.2	3.6	4.9			
7				1.9	0.0	0.7	8.3	3.1	5.3			
8 9				2.0 2.4	0.0	0.7 0.9	8.0 7.0	2.2 3.6	4.7 5.1			
10				2.8	0.9	1.8	8.1	3.5	5.4			
11 12				2.7 5.8	0.9 0.9	1.8 2.9	7.5 8.3	4.1 3.8	5.7 5.8			
13				3.9	0.8	2.3	9.7	4.2	6.5			
14				4.9	0.0	2.2	5.8	3.3	4.6			
15				4.4	1.6	2.9		2.7				
16				2.8	0.9	1.9						
17				4.4	0.0	1.9						
18				1.7	0.0	0.8						
19 20				2.7 2.2	0.0	1.3						
20				2.2	0.0	1.0						
21				4.2	0.1	2.0						
22	3.8	0.1	1.7	5.5	0.8	3.0						
23 24	2.7 2.7	0.9 0.3	1.9 1.3	6.9 8.6	1.6 2.2	4.0 4.9						
25	0.8	0.0	0	7.7	1.6	4.3						
0.5	0.4		0.4	5 0	0.0	2 5						
26 27	2.4	0.0	0.4 0.5	5.8 6.0	2.0 1.7	3.7 3.7						
28	3.0	0.0	1.1	7.3	2.7	4.7						
29				7.2	1.9	4.4						
30				8.6	2.8	5.4						
31				8.9	2.8	5.4						
MONTH				8.9	0.0	2.5						
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY	MAX	MIN JUNE	MEAN	MAX	MIN JULY	MEAN		MIN AUGUST	MEAN		MIN SEPTEMBE	
		JUNE			JULY			AUGUST			SEPTEMBE	IR.
DAY 1 2	MAX		MEAN	MAX 		MEAN 			MEAN 			
1 2 3		JUNE 			JULY	 	 	AUGUST	 	17.1 16.1 15.8	12.7 10.5 10.5	14.6 13.2 12.8
1 2 3 4	 	JUNE 		 	JULY	 	 	AUGUST	 	17.1 16.1 15.8 14.5	12.7 10.5 10.5 8.2	14.6 13.2 12.8 11.1
1 2 3		JUNE 			JULY	 	 	AUGUST	 	17.1 16.1 15.8	12.7 10.5 10.5	14.6 13.2 12.8
1 2 3 4 5		JUNE		 	JULY	 	 	AUGUST		17.1 16.1 15.8 14.5 13.0	SEPTEMBE 12.7 10.5 10.5 8.2 7.8 7.6	14.6 13.2 12.8 11.1 10.5
1 2 3 4 5		JUNE	 	 	JULY	 	 	AUGUST		17.1 16.1 15.8 14.5 13.0	12.7 10.5 10.5 8.2 7.8 7.6 7.9	14.6 13.2 12.8 11.1 10.5
1 2 3 4 5		JUNE	 	 	JULY	 	 	AUGUST		17.1 16.1 15.8 14.5 13.0	12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0	14.6 13.2 12.8 11.1 10.5
1 2 3 4 5		JUNE	 	 	JULY	 	 	AUGUST		17.1 16.1 15.8 14.5 13.0	12.7 10.5 10.5 8.2 7.8 7.6 7.9	14.6 13.2 12.8 11.1 10.5
1 2 3 4 5 6 7 8 9		JUNE	 		JULY		 	AUGUST		17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5	12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1
1 2 3 4 5 6 7 8 9 10		JUNE	==== ==== ==== ====	 	JULY	 	 	AUGUST		17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5 15.8	12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1
1 2 3 4 5 6 7 8 9		JUNE			JULY			AUGUST		17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5	12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14		JUNE			JULY		 	AUGUST		17.1 16.1 15.8 14.5 13.0 13.8 12.4 15.5 15.8	12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1 12.3 12.5 12.3 12.0
1 2 3 4 5 6 7 8 9 10	 	JUNE			JULY		 	AUGUST		17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5 15.8	12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1 12.3 12.5 12.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14		JUNE			JULY		 	AUGUST		17.1 16.1 15.8 14.5 13.0 13.8 12.4 15.5 15.8	12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1 12.3 12.5 12.3 12.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		JUNE			JULY		 18.8 17.9 16.9	AUGUST	 14.1 13.0	17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5 15.8 16.1 16.1 15.8 15.3 15.0	SEPTEMBE 12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.8 10.1 10.5 10.1	14.6 13.2 12.8 11.1 10.5 10.4 10 10 11.8 12.1 12.3 12.5 12.3 12.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		JUNE			JULY		 18.8 17.9 16.9	AUGUST	 14.1 13.0 13.2	17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5 15.8 16.1 15.8 15.3 15.0 14.1 14.5 13.6	12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.8 10.1	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1 12.3 12.5 12.3 12.0 12.4 12.1 12.0 10.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18		JUNE			JULY		 18.8 17.9 16.9 17.2	AUGUST	 14.1 13.0 13.2 13.0	17.1 16.1 15.8 14.5 13.0 13.8 12.4 15.5 15.8 16.1 16.1 15.8 15.3 15.0 14.1 14.5	\$\text{SEPTEMBE}\$ 12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.8 10.1 10.5 10.1 8.1 8.1	14.6 13.2 12.8 11.1 10.5 10.4 10 10 11.8 12.1 12.3 12.5 12.3 12.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		JUNE			JULY		 18.8 17.9 16.9 17.2 16.4	AUGUST	 14.1 13.0 13.2 13.0 13.4	17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5 15.8 16.1 15.8 15.3 15.0 14.1 14.5 13.6 13.8 12.7	12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.8 10.1 10.5 10.1 8.4 7.6	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1 12.3 12.5 12.3 12.0 12.4 12.1 12.0 10.8 10.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		JUNE			JULY		 18.8 17.9 16.9 17.2 16.4 16.4	AUGUST	 14.1 13.0 13.2 13.0 13.4	17.1 16.1 15.8 14.5 13.0 13.8 12.4 15.5 15.8 16.1 16.1 15.8 15.3 15.0 14.1 14.5 13.8 12.7	\$\text{SEPTEMBE}\$ 12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.8 10.1 10.5 10.1 8.1 8.4 7.6 6.2	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1 12.3 12.5 12.3 12.0 12.4 12.1 12.0 10.9 10
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		JUNE			JULY		 18.8 17.9 16.9 17.2 16.4 16.4	AUGUST	 14.1 13.0 13.2 13.4 13.3 13.9	17.1 16.1 15.8 14.5 13.0 13.8 12.4 15.5 15.8 16.1 15.8 15.3 15.0 14.1 14.5 13.6 13.6 14.7	SEPTEMBE 12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.8 10.1 10.5 10.1 8.1 8.1 6.2 6.2	14.6 13.2 12.8 11.1 10.5 10.4 10 10 11.8 12.1 12.3 12.5 12.3 12.0 12.4 12.1 12.0 10.8 10.9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		JUNE			JULY		 18.8 17.9 16.9 17.2 16.4 16.4	AUGUST	 14.1 13.0 13.2 13.0 13.4	17.1 16.1 15.8 14.5 13.0 13.8 12.4 15.5 15.8 16.1 16.1 15.8 15.3 15.0 14.1 14.5 13.8 12.7	\$\text{SEPTEMBE}\$ 12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.8 10.1 10.5 10.1 8.1 8.4 7.6 6.2	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1 12.3 12.5 12.3 12.0 12.4 12.1 12.0 10.9 10
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		JUNE			JULY		 18.8 17.9 16.9 17.2 16.4 16.8 17.7 18.5	AUGUST	 14.1 13.0 13.2 13.0 13.4 13.3 13.9 14.6	17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5 15.8 16.1 15.8 15.3 15.0 14.1 14.5 13.6 13.8 12.7	SEPTEMBE 12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.8 10.1 10.5 10.1 8.1 8.4 7.6 6.2 6.2 6.8	14.6 13.2 12.8 11.1 10.5 10.4 10 10 11.8 12.1 12.3 12.5 12.3 12.0 12.4 12.1 12.0 10.8 10.9 10
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		JUNE			JULY		 18.8 17.9 16.9 17.2 16.4 16.4 16.8 17.7 18.5 18.0	AUGUST	 14.1 13.0 13.2 13.0 13.2 13.0 13.4	17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5 15.8 16.1 15.8 15.3 15.0 14.1 14.5 13.6 13.8 12.7	SEPTEMBE 12.7 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.8 10.1 10.5 10.1 8.1 8.4 7.6 6.2 6.2 6.8 7.6 6.7	14.6 13.2 12.8 11.1 10.5 10.4 10 10 11.8 12.1 12.3 12.5 12.3 12.0 12.4 12.1 12.0 10.8 10.9 10 9.1 9.2 9.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27		JUNE			JULY		 18.8 17.9 16.9 16.4 16.4 16.4 16.8 17.7 18.5 18.0 14.7	AUGUST	14.1 13.0 13.2 13.0 13.4 13.3 13.9 14.6 14.0 13.2	17.1 16.1 15.8 14.5 13.0 13.8 12.4 15.5 15.8 16.1 16.1 15.8 15.3 15.0 14.1 14.5 13.6 13.8 12.7	SEPTEMBE 12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 8.8 10.1 10.5 10.1 8.1 8.1 47.6 6.2 6.8 7.6 6.7 7.1 7.3	14.6 13.2 12.8 11.1 10.5 10.4 10 10 11.8 12.1 12.3 12.5 12.3 12.0 12.4 12.1 12.0 10.8 10.9 10 9.1 9.2 9.7 10 9.4 8.6 9.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		JUNE			JULY		 18.8 17.9 16.9 17.2 16.4 16.8 17.7 18.5 18.0 14.7	AUGUST	 14.1 13.0 13.2 13.0 13.4 13.3 14.6 14.0 13.2 14.6 14.0 13.2	17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5 15.8 16.1 15.8 15.3 15.0 14.1 14.5 13.6 13.8 12.7 12.1 12.7 12.8 12.5 12.4	SEPTEMBE 12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.1 10.5 10.1 8.4 7.6 6.2 6.8 7.6 6.7 7.1 7.3 6.4	14.6 13.2 12.8 11.1 10.5 10.4 10 10 11.8 12.1 12.3 12.5 12.3 12.0 12.4 12.1 12.0 10.8 10.9 10 9.1 9.2 9.7 10 9.4 8.6 9.4 9.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		JUNE			JULY		 18.8 17.9 16.9 17.2 16.4 16.4 16.8 17.7 18.5 18.0 14.7	AUGUST	14.1 13.0 13.2 13.0 13.4 13.3 13.9 14.6 14.0 13.2 14.2 14.5 14.3	17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5 15.8 16.1 16.1 15.8 15.3 15.0 14.1 14.5 13.6 13.8 12.7 12.7 12.7 12.1 12.7 12.8 12.5 12.4	\$\text{SEPTEMBE}\$ 12.7 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 8.8 10.1 10.5 10.1 8.1 8.4 7.6 6.2 6.2 6.8 7.6 6.7 7.1 7.3 6.4 7.9	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1 12.3 12.5 12.0 12.4 12.1 12.0 10.8 10.9 10 9.1 9.2 9.7 10 9.4 9.4 9.1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		JUNE			JULY		 18.8 17.9 16.9 17.2 16.4 16.8 17.7 18.5 18.0 14.7	AUGUST	 14.1 13.0 13.2 13.0 13.4 13.3 14.6 14.0 13.2 14.6 14.0 13.2	17.1 16.1 15.8 14.5 13.0 13.8 12.4 13.2 15.5 15.8 16.1 15.8 15.3 15.0 14.1 14.5 13.6 13.8 12.7 12.1 12.7 12.8 12.5 12.4	SEPTEMBE 12.7 10.5 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.1 10.5 10.1 8.4 7.6 6.2 6.8 7.6 6.7 7.1 7.3 6.4	14.6 13.2 12.8 11.1 10.5 10.4 10 10 11.8 12.1 12.3 12.5 12.3 12.0 12.4 12.1 12.0 10.8 10.9 10 9.1 9.2 9.7 10 9.4 8.6 9.4 9.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 29 30		JUNE			JULY		 18.8 17.9 16.9 16.4 16.4 16.4 16.4 16.4 16.4 16.4 16.4	AUGUST	14.1 13.0 13.2 13.2 13.4 13.3 13.9 14.6 14.0 13.2	17.1 16.1 15.8 14.5 13.0 13.8 12.4 15.5 15.8 16.1 16.1 15.8 15.3 15.0 14.1 14.5 13.8 12.7 12.7 12.1 12.7 12.8 12.4 9.6 12.1 11.8 10.5 10.5	SEPTEMBE 12.7 10.5 8.2 7.8 7.6 7.9 7.0 9.0 8.8 9.0 9.1 9.1 8.1 10.5 10.1 10.5 10.1 8.1 8.4 7.6 6.2 6.8 7.6 6.7 7.1 7.3 6.4 7.9 7.1	14.6 13.2 12.8 11.1 10.5 10.4 10 11.8 12.1 12.3 12.5 12.3 12.0 12.4 12.1 12.0 10.9 10 9.1 9.2 9.7 10 9.4 8.6 9.4 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1