

SPOKANE RIVER BASIN
12419000 SPOKANE RIVER NEAR POST FALLS, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973-1981, July 1989 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May to September 1998, May to September 1999, May to September 2000, November 2001 to October 2002 (discontinued).

SPECIFIC CONDUCTANCE: February 1999 to September 2001 (discontinued).

INSTRUMENTATION.--Water-quality data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 27.1 °C July 29, 1998; minimum, 1.4 °C Feb. 17, 18, 2001.

SPECIFIC CONDUCTANCE: Maximum recorded daily mean, 57 microsiemens/cm Aug. 30 to Sept. 4, 2000; minimum recorded daily mean, 42 microsiemens/cm May 6-8, June 14-15, 2000.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.2 °C July 26-27; minimum, 2.0 °C Mar. 7-8.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TURBID-ITY HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SATUR-ATION (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARD-NESS TOTAL (MG/L CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	
OCT														
24...	0930	2290	54	7.4	3.5	10.0	--	--	--	--	22	6.03	1.79	
JAN														
08...	0915	3510	60	7.3	8.5	5.2	--	--	--	--	23	6.00	1.88	
FEB														
06...	0845	5730	58	7.1	1.5	3.2	--	--	--	--	22	5.78	1.86	
APR														
02...	1330	10100	61	7.4	6.0	3.7	3.8	13.3	108	S1	--	--	--	
17...	1215	30800	53	7.2	10.0	4.2	--	--	--	--	22	5.79	1.90	
22...	1200	25700	53	7.4	13.5	4.9	--	--	--	--	21	5.55	1.83	
MAY														
01...	1545	19300	53	7.0	17.0	8.2	6.2	11.6	106	S1	--	--	--	
22...	1245	22000	43	7.0	7.0	8.9	--	--	--	--	18	4.62	1.46	
JUN														
13...	1250	2020	42	7.2	29.5	14.0	4.0	9.3	97	S3	16	4.28	1.27	
JUL														
08...	0930	3980	40	7.1	14.0	18.0	--	--	--	--	16	4.21	1.23	
AUG														
26...	0920	675	47	7.7	18.0	20.9	--	--	--	--	17	4.64	1.39	
Date		NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
OCT														
24...	--	.16	--	E.003	--	.007	.10	.15	E7	30	.16	1	1.6	
JAN														
08...	.019	.20	.079	.005	--	.008	.14	.16	<10	30	E.07	<1	1.1	
FEB														
06...	E.009	.12	.055	.004	--	.006	.17	.19	<10	30	.10	<1	.9	
APR														
02...	<.015	.12	.083	--	<.007	.008	--	--	--	--	--	--	--	--
17...	<.015	.13	.117	E.003	--	.010	.24	.39	25	130	.77	5	.8	
22...	<.015	.15	.098	.008	--	.010	.23	.42	21	110	.66	4	.7	
MAY														
01...	<.015	.17	.066	--	<.007	.021	--	--	--	--	--	--	--	--
22...	<.015	.14	.027	<.004	--	.011	.23	.28	23	110	1.11	8	.6	
JUN														
13...	<.015	.11	<.013	<.004	--	.006	.21	.23	19	80	1.07	5	1.1	
JUL														
08...	<.015	.10	.025	E.004	--	.009	.16	.23	13	50	.42	2	.5	
AUG														
26...	<.015	.12	.131	.007	--	.011	.14	.14	E8	20	.38	<1	1.0	

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT 24...	4	41	45	--	--
JAN 08...	4	55	60	--	--
FEB 06...	3	65	60	--	--
APR 02...	--	--	--	2.0	54.5
17...	9	72	91	--	--
22...	8	69	89	--	--
MAY 01...	--	--	--	5.0	261
22...	9	59	63	--	--
JUN 13...	9	41	48	4.0	21.8
JUL 08...	7	48	51	--	--
AUG 26...	3	32	34	--	--

< Less than
E Estimated value
S Most probable value

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002

DAY	NOVEMBER			DECEMBER			JANUARY			FEBRUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	6.6	6.1	6.3	4.5	4.2	4.4	3.8	3.4	3.6
2	---	---	---	6.6	5.9	6.2	4.2	4.1	4.2	3.9	3.6	3.7
3	---	---	---	6.7	6.6	6.7	4.5	4.2	4.4	3.8	3.4	3.6
4	---	---	---	6.6	6.4	6.5	4.7	4.5	4.7	3.8	3.4	3.5
5	---	---	---	6.4	6.1	6.2	4.7	4.7	4.7	3.9	3.4	3.7
6	---	---	---	6.2	6.1	6.1	4.8	4.7	4.8	3.9	3.6	3.7
7	---	---	---	6.4	6.1	6.2	5.3	4.8	5.1	3.8	3.4	3.6
8	---	---	---	6.6	6.2	6.5	5.5	5.3	5.5	3.6	3.3	3.4
9	---	---	---	6.6	6.4	6.6	5.5	5.0	5.2	3.6	3.3	3.5
10	---	---	---	6.4	6.2	6.3	5.0	4.8	4.9	3.6	3.3	3.5
11	---	---	---	6.2	6.1	6.2	5.0	4.8	4.8	3.8	3.3	3.5
12	---	---	---	6.2	6.2	6.2	5.0	4.8	4.8	3.4	3.0	3.1
13	---	---	---	6.2	6.1	6.2	4.8	4.7	4.7	3.3	3.0	3.1
14	---	---	---	6.1	5.9	6.0	4.8	4.5	4.7	3.3	3.0	3.1
15	---	---	---	6.1	5.6	5.8	4.7	4.2	4.4	3.3	3.0	3.1
16	---	---	---	5.8	5.6	5.7	4.4	4.2	4.3	3.3	3.1	3.2
17	---	---	---	5.9	5.8	5.9	4.4	4.2	4.3	3.6	3.3	3.4
18	---	---	---	5.9	5.3	5.5	4.4	4.1	4.2	3.8	3.6	3.7
19	---	---	---	5.6	5.3	5.4	4.2	3.9	4.0	3.6	3.6	3.6
20	---	---	---	5.6	5.5	5.6	4.1	4.1	4.1	3.6	3.3	3.4
21	---	---	---	5.6	5.6	5.6	4.1	3.8	4.0	3.8	3.3	3.5
22	---	---	---	5.6	5.5	5.6	4.1	3.9	4.0	4.1	3.6	3.9
23	---	---	---	5.5	5.3	5.3	3.9	3.8	3.8	3.9	3.3	3.6
24	---	---	---	5.3	5.2	5.3	4.2	3.8	4.0	3.3	2.8	2.9
25	---	---	---	5.2	4.8	4.9	4.2	4.1	4.1	2.8	2.5	2.7
26	---	---	---	4.8	4.5	4.7	4.1	3.8	3.9	2.8	2.5	2.7
27	7.6	7.5	7.6	4.5	4.2	4.4	3.8	3.4	3.7	3.0	2.5	2.7
28	7.5	6.7	7.1	4.4	4.1	4.2	3.8	3.4	3.5	3.3	2.7	3.0
29	6.7	6.2	6.6	4.5	4.4	4.5	3.6	3.3	3.4	---	---	---
30	6.6	6.2	6.5	4.5	4.4	4.4	3.6	3.3	3.4	---	---	---
31	---	---	---	4.5	4.4	4.5	3.6	3.4	3.5	---	---	---
MONTH	---	---	---	6.7	4.1	5.7	5.5	3.3	4.3	4.1	2.5	3.4

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WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 2001 TO OCTOBER 2002												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.3	2.7	3.0	4.4	3.3	3.7	8.6	7.3	7.8	13.2	12.3	12.7
2	3.3	2.7	3.0	4.2	3.1	3.7	8.9	7.8	8.3	13.8	12.8	13.2
3	3.4	2.8	3.1	4.5	3.1	3.8	8.6	7.2	7.6	13.4	12.4	12.9
4	3.4	3.0	3.1	4.5	3.4	4.0	7.2	6.7	6.9	14.0	12.6	13.3
5	3.4	3.0	3.2	4.5	3.6	4.1	7.2	6.9	7.0	13.8	13.2	13.6
6	3.3	2.2	2.7	4.5	3.9	4.2	7.5	6.7	7.0	13.5	12.6	12.9
7	2.5	2.0	2.3	4.4	3.9	4.1	7.5	7.0	7.2	12.9	12.1	12.4
8	2.7	2.0	2.3	4.5	3.6	4.0	8.1	7.2	7.6	13.1	12.8	12.9
9	2.8	2.2	2.5	4.4	3.9	4.1	8.4	7.5	7.9	13.4	12.8	13.0
10	3.3	2.8	3.0	4.4	3.8	4.0	9.0	7.6	8.2	12.9	12.3	12.6
11	3.4	3.1	3.3	4.4	3.9	4.1	9.3	8.1	8.7	13.7	12.3	12.9
12	3.4	3.1	3.3	4.5	4.1	4.3	9.8	8.7	9.2	14.1	13.1	13.5
13	3.3	2.8	3.0	4.8	3.9	4.3	10.0	8.9	9.4	14.8	13.1	13.8
14	3.0	2.7	2.8	4.8	4.4	4.6	9.8	9.2	9.5	15.6	13.8	14.6
15	3.1	2.8	2.9	4.5	3.9	4.2	9.5	8.7	9.1	15.9	13.2	14.6
16	3.1	2.8	2.9	4.5	4.1	4.2	10.0	8.4	9.1	16.3	13.7	14.9
17	3.1	2.5	2.8	4.7	4.1	4.3	10.4	9.2	9.7	15.9	14.5	15.0
18	3.0	2.5	2.7	4.8	4.1	4.5	10.4	9.7	10.1	14.8	14.1	14.4
19	3.0	2.5	2.8	5.2	4.4	4.7	10.0	9.0	9.5	14.8	14.0	14.3
20	3.0	2.5	2.7	5.3	4.7	5.0	9.7	9.0	9.3	15.9	14.1	14.8
21	3.0	2.0	2.5	5.5	5.0	5.2	9.7	9.5	9.7	16.7	14.9	15.7
22	3.1	2.5	2.8	5.3	4.7	5.1	9.5	8.7	9.1	17.1	15.4	16.0
23	3.6	2.8	3.1	5.5	4.5	4.9	9.5	8.6	9.0	17.3	16.3	16.7
24	3.4	3.1	3.2	6.2	4.8	5.4	10.6	9.3	9.8	17.3	15.2	16.2
25	3.4	3.1	3.2	6.4	5.5	6.0	10.7	10.0	10.3	18.1	16.7	17.3
26	3.6	2.8	3.2	6.4	5.6	6.0	10.6	10.0	10.2	18.6	17.6	18.1
27	3.6	3.1	3.4	6.7	5.8	6.1	11.7	10.3	10.7	19.9	18.1	18.7
28	3.8	3.1	3.5	7.0	6.2	6.6	12.4	11.2	11.8	20.2	19.7	19.9
29	3.8	3.1	3.5	7.5	6.1	6.7	12.0	10.9	11.2	19.7	18.4	19.0
30	3.9	3.3	3.6	7.6	6.9	7.2	12.4	11.4	11.8	18.8	18.1	18.4
31	3.6	3.3	3.5	---	---	---	12.9	11.7	12.3	---	---	---
MONTH	3.9	2.0	3.0	7.6	3.1	4.8	12.9	6.7	9.2	20.2	12.1	14.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.3	17.8	18.0	22.5	21.2	21.8	21.8	21.2	21.5	15.5	15.1	15.3
2	18.4	17.6	17.9	22.2	21.3	21.7	21.8	20.8	21.3	15.1	14.6	14.7
3	18.4	18.3	18.4	22.2	21.0	21.6	21.3	20.8	21.1	14.6	14.4	14.5
4	18.4	18.1	18.4	22.0	21.2	21.5	21.2	20.3	20.7	14.9	14.4	14.6
5	18.4	17.9	18.2	21.5	20.7	21.1	20.7	20.2	20.4	14.9	14.4	14.7
6	18.9	17.9	18.4	21.2	20.5	20.8	20.5	19.9	20.1	15.1	14.6	14.8
7	19.1	18.4	18.8	21.3	20.3	20.8	20.0	19.4	19.7	15.1	14.7	14.9
8	19.1	17.9	18.7	21.2	20.3	20.7	19.7	19.1	19.3	---	---	---
9	19.4	18.4	18.9	21.2	20.2	20.7	19.4	18.7	19.1	---	---	---
10	20.0	18.9	19.4	21.3	20.5	20.9	19.4	18.7	19.0	---	---	---
11	20.2	19.2	19.7	21.5	20.7	21.0	19.2	18.6	18.9	---	---	---
12	21.0	19.9	20.3	21.7	20.5	21.1	19.5	18.7	19.1	---	---	---
13	22.3	21.0	21.6	21.8	20.8	21.3	19.7	19.1	19.4	---	---	---
14	22.8	22.3	22.5	21.8	21.0	21.4	20.0	19.2	19.6	---	---	---
15	23.2	22.2	22.7	22.0	21.0	21.4	19.9	19.4	19.7	---	---	---
16	23.3	22.8	23.1	22.0	21.0	21.4	19.7	19.4	19.4	---	---	---
17	23.5	22.7	23.1	22.0	20.8	21.4	19.4	18.7	19.1	---	---	---
18	23.7	23.0	23.3	21.8	20.8	21.3	18.7	18.2	18.5	---	---	---
19	24.0	23.2	23.6	21.7	20.8	21.2	18.2	17.8	18.0	---	---	---
20	23.7	23.3	23.5	21.8	20.7	21.1	17.9	17.4	17.7	---	---	---
21	23.5	23.0	23.3	21.5	20.7	21.0	17.6	17.0	17.3	---	---	---
22	23.7	22.8	23.3	21.7	20.5	21.0	17.4	16.8	17.1	---	---	---
23	23.7	23.2	23.4	21.8	20.5	21.1	17.4	16.8	17.1	---	---	---
24	24.0	23.2	23.6	21.5	20.8	21.1	17.4	16.8	17.1	---	---	---
25	24.0	23.5	23.8	21.8	20.7	21.2	17.4	16.8	17.1	---	---	---
26	24.2	23.5	23.8	21.8	20.7	21.2	17.1	16.8	17.0	---	---	---
27	24.2	23.5	23.8	22.0	20.8	21.4	17.0	16.6	16.8	---	---	---
28	23.9	23.3	23.6	22.5	21.2	21.8	17.0	16.3	16.6	---	---	---
29	23.3	22.8	23.1	22.0	21.3	21.6	16.5	15.9	16.2	---	---	---
30	22.8	22.3	22.6	22.3	21.0	21.6	15.9	15.4	15.7	---	---	---
31	22.3	21.7	22.0	22.2	21.2	21.6	---	---	---	---	---	---
MONTH	24.2	17.6	21.4	22.5	20.2	21.3	21.8	15.4	18.7	---	---	---