WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1989 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: May 19 to September 1998, March to September 1999 (discontinued).
SPECIFIC CONDUCTANCE: March 4 to September 30 1999.

INSTRUMENTATION.--Water quality data logger from March to September 1999.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 23.7 ^{o}C July 27, 1998.

EXTREMES FOR CURRENT PERIOD.--
WATER TEMPERATURE: Maximum, 21.7 ^{o}C Aug. 3.
SPECIFIC CONDUCTANCE: Maximum daily mean, 327 microsiemens, Sep. 27, 1999, minimum daily mean, 47 microsiemens May 25, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT											
26...	1015	98	252	7.1	11.5	10.0	--	--	--	--	--
NOV											
17...	1250	164	268	7.2	6.0	7.0	--	--	--	--	--
DEC											
30...	1445	1200	105	7.4	4.0	3.0	--	--	--	--	--
FEB											
08...	1500	527	140	7.0	2.0	5.0	--	--	--	--	--
MAR											
09...	0925	440	144	7.2	8.0	3.5	--	--	--	--	--
APR											
13...	0730	610	147	7.2	6.0	4.1	1.3	11.8	97	K2	K8
MAY											
06...	1330	1160	95	7.3	18.0	8.8	1.8	11.8	111	<1	K6
JUN											
02...	0745	2160	56	6.2	13.5	7.0	4.0	--	--	K5	28
JUL											
15...	1200	508	109	7.1	24.0	13.0	2.0	10.2	106	K1	K4
AUG											
09...	1415	237	176	7.3	30.0	19.0	.65	7.7	91	K3	K3
SEP											
07...	1430	140	305	7.2	18.0	14.5	.44	10.8	113	<1	K16

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS HCO3 (00440)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT											
26...	90	23	7.7	--	--	--	--	--	--	--	--
NOV											
17...	96	25	8.3	--	--	--	--	--	--	--	--
DEC											
30...	36	10	2.7	--	--	--	--	--	--	--	--
FEB											
08...	51	13	4.3	--	--	--	--	--	--	--	--
MAR											
09...	54	14	4.6	--	--	--	--	--	--	--	--
APR											
13...	53	14	4.4	--	--	--	--	--	--	--	--
MAY											
06...	35	9.3	2.9	2.4	--	--	27	0	22	18	2.2
JUN											
02...	22	5.9	1.6	1.3	--	--	16	0	14	9.4	.54
JUL											
15...	41	11	3.3	2.5	--	--	--	--	25	21	1.1
AUG											
09...	64	17	5.3	5.3	--	--	--	--	32	42	2.5
SEP											
07...	120	32	10	6.5	10	1.4	39	0	32	100	2.3

K Results based on counts outside ideal colony range.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT										
26...	--	--	--	--	--	.348	.348	.50	.095	.035
NOV										
17...	--	--	--	--	--	.363	.310	.42	.048	.019
DEC										
30...	--	--	--	--	--	.176	.061	.16	.041	.009
FEB										
08...	--	--	--	--	--	.211	.068	.11	.025	.010
MAR										
09...	--	--	--	--	--	.203	.061	.23	.024	.008
APR										
13...	--	--	--	--	--	.139	.047	E.06	.018	.006
MAY										
06...	<.10	9.5	--	--	--	.061	.036	E.08	.016	.006
JUN										
02...	<.10	7.3	--	--	--	.035	.013	.12	.023	.004
JUL										
15...	.10	8.5	--	--	--	.044	.052	E.09	.021	.007
AUG										
09...	.20	10	--	--	--	.178	.119	.16	.040	.011
SEP										
07...	.29	11	186	.25	70.3	.252	.228	.33	.050	.016

DATE	TIME	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT									
26...	1015	11	14	14	150	2130	2300	--	--
NOV									
17...	1250	15	16	5.7	63	1910	2000	--	--
DEC									
30...	1445	4.9	6	2.7	200	661	700	--	--
FEB									
08...	1500	11	11	3.3	16	1180	1300	--	--
MAR									
09...	0925	8.7	9	5.1	15	1310	1200	--	--
APR									
13...	0730	6.2	7	3.6	21	979	950	3	4.9
MAY									
06...	1330	3.8	4	5.0	44	601	590	7	22
JUN									
02...	0745	2.1	3	3.6	130	317	360	31	181
JUL									
15...	1200	4.2	5	6.7	29	714	660	3	4.1
AUG									
09...	1415	7.4	8	7.9	26	1210	1100	2	1.3
SEP									
07...	1430	7.5	8	4.5	19	1340	1400	1	.38

E Positive detection but below stated detection limit.

SPOKANE RIVER BASIN

12413470 SOUTH FORK COEUR D'ALENE RIVER NEAR PINEHURST, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR MARCH 1999 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		MARCH			APRIL			MAY	
1	---	---	---	8.2	3.1	5.3	7.8	5.3	6.4
2	---	---	---	8.2	2.6	5.2	7.6	5.1	6.3
3	---	---	---	6.0	3.7	4.7	8.2	5.5	6.6
4	4.8	3.1	3.9	5.1	4.2	4.6	7.3	5.1	6.0
5	4.9	3.2	3.9	7.8	3.8	5.3	8.4	4.4	6.2
6	6.0	1.8	3.7	6.9	3.4	5.1	11.3	4.1	7.4
7	5.8	2.2	3.7	9.8	3.3	6.2	8.2	5.6	6.9
8	5.1	2.2	3.8	6.8	4.8	5.7	8.1	4.1	5.8
9	5.4	3.1	4.2	6.4	4.2	5.1	9.3	4.5	6.4
10	7.6	3.2	5.1	8.9	3.3	5.8	9.0	4.7	6.5
11	7.0	3.0	4.8	9.9	3.2	6.3	10.6	4.4	7.4
12	6.5	2.8	4.6	7.0	4.0	5.8	8.4	6.4	7.3
13	7.6	4.3	5.9	7.9	4.6	6.0	7.9	4.8	6.5
14	7.9	4.7	6.1	9.6	3.5	6.2	9.3	5.6	7.3
15	6.4	4.3	5.3	9.9	3.4	6.4	9.2	5.1	7.0
16	6.1	3.6	4.6	10.0	3.8	6.9	9.8	5.3	7.7
17	6.5	3.1	4.6	10.0	4.4	7.2	8.1	6.5	7.4
18	7.6	3.6	5.4	9.4	5.0	7.1	9.9	6.4	7.9
19	8.9	4.0	6.1	7.2	5.8	6.2	10.6	5.9	7.9
20	9.1	3.7	6.0	7.8	5.4	6.2	7.9	5.6	6.9
21	7.3	4.2	5.6	6.6	4.6	5.6	10.7	5.8	7.8
22	8.2	4.9	6.1	8.4	4.8	6.4	11.2	5.3	8.0
23	8.4	4.2	5.9	10.0	4.4	7.1	11.5	5.5	8.2
24	7.9	4.3	5.9	10.0	4.8	7.4	11.0	5.8	8.1
25	7.4	4.9	6.0	9.6	4.9	7.1	10.3	5.6	7.6
26	6.2	4.3	5.2	7.6	5.4	6.5	9.9	5.1	7.2
27	4.7	3.8	4.2	7.6	5.0	6.1	10.9	5.1	7.7
28	5.5	3.2	4.2	6.8	4.5	5.7	11.0	5.6	8.1
29	4.5	4.0	4.2	7.9	4.6	6.2	10.4	5.6	7.8
30	5.4	3.6	4.3	10.0	4.7	7.4	9.6	5.5	7.4
31	7.3	2.9	5.0	---	---	---	7.6	5.8	6.8
MONTH	---	---	---	10.0	2.6	6.1	11.5	4.1	7.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.6	6.2	7.7	11.5	8.7	9.9	20.0	12.6	16.2	16.2	9.9	13.0
2	8.1	6.2	7.1	10.4	8.1	9.2	21.2	13.8	17.3	14.9	10.1	12.9
3	7.3	6.2	6.7	12.0	6.9	9.2	21.7	14.7	17.9	17.4	10.4	13.7
4	10.3	6.1	8.1	10.6	7.2	8.9	19.9	15.1	17.4	15.1	10.9	13.3
5	8.4	6.7	7.5	15.4	7.8	11.1	20.5	14.4	17.3	15.7	11.0	13.6
6	8.2	5.8	6.7	16.3	8.6	12.4	21.0	15.1	17.7	14.0	12.1	12.9
7	9.2	5.0	6.9	14.0	10.1	12.2	19.2	15.7	17.1	16.3	10.6	13.3
8	7.9	6.1	6.7	15.7	8.9	12.1	20.0	13.8	16.6	17.1	9.9	13.4
9	9.2	5.8	7.3	16.6	9.3	12.9	20.2	13.3	16.6	17.0	10.7	13.8
10	10.6	5.6	7.9	17.3	10.3	13.6	20.7	13.8	17.1	17.0	11.2	14.0
11	12.9	6.2	9.4	17.6	10.6	13.9	17.4	15.1	15.9	16.5	10.3	13.3
12	13.2	6.5	9.8	17.8	10.9	14.3	19.7	13.7	16.5	16.5	9.9	13.2
13	10.9	7.2	9.1	17.6	10.9	14.2	16.2	13.0	14.0	17.0	10.1	13.5
14	13.0	7.0	9.8	16.3	11.0	13.6	15.1	12.4	13.5	17.4	10.9	14.1
15	13.2	7.2	10.0	14.3	10.4	12.3	14.1	11.6	12.8	17.3	11.0	14.1
16	13.2	7.5	10.0	16.3	9.6	12.7	18.1	11.8	14.6	16.6	11.2	14.0
17	12.4	7.6	9.9	17.6	10.6	13.6	19.7	12.4	15.9	17.4	11.3	14.3
18	11.8	7.2	9.0	17.6	11.2	14.2	19.9	13.3	16.7	17.4	11.2	14.3
19	12.1	6.9	9.4	17.8	10.6	14.0	20.8	15.2	17.8	17.0	11.3	14.2
20	11.2	6.9	9.1	18.2	11.6	14.8	20.8	13.8	17.3	16.3	10.3	13.3
21	9.6	7.9	8.7	18.2	12.4	15.2	20.3	14.9	17.4	16.6	10.4	13.5
22	9.8	7.6	8.7	18.7	12.0	15.2	19.9	13.2	16.5	17.0	10.9	13.9
23	12.7	7.8	10.0	19.1	12.0	15.3	20.0	13.3	16.7	16.5	10.9	13.7
24	11.2	7.8	9.6	15.4	12.3	13.4	19.1	14.0	16.3	14.3	11.5	12.9
25	9.6	7.6	8.4	17.0	11.0	13.8	20.3	14.1	17.0	12.6	10.7	11.5
26	10.6	7.0	8.5	18.9	11.0	14.6	20.3	13.7	17.0	12.7	9.2	10.8
27	12.6	6.9	9.4	19.7	11.8	15.6	20.0	14.0	17.0	12.9	8.4	10.1
28	10.3	7.2	8.9	20.2	12.9	16.4	17.3	14.1	15.9	12.7	7.0	9.8
29	12.0	8.1	10.0	19.9	13.3	16.5	19.5	13.8	16.5	12.4	8.9	10.4
30	11.8	8.9	10.4	18.7	12.7	15.6	17.4	13.8	15.7	13.3	8.1	10.6
31	---	---	---	19.9	12.3	15.8	13.8	12.0	12.8	---	---	---
MONTH	13.2	5.0	8.7	20.2	6.9	13.4	21.7	11.6	16.3	17.4	7.0	13.0

SPOKANE RIVER BASIN

12413470 SOUTH FORK COEUR D'ALENE RIVER NEAR PINEHURST, ID--Continued

SPECIFIC CONDUCTANCE, MICROMHOS/CM AT 25 DEGREES CELSIUS, MARCH TO SEPTEMBER 1999

DAILY MEAN VALUES

DAY	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	127	89	56	84	218	256
2	---	117	86	57	90	195	267
3	---	128	88	60	94	206	298
4	146	130	88	61	99	192	247
5	153	132	101	62	108	182	271
6	175	131	112	63	108	212	254
7	174	140	101	68	102	223	299
8	153	139	99	73	97	181	255
9	172	138	101	73	107	187	279
10	193	139	89	76	112	206	273
11	200	142	90	82	109	191	297
12	188	138	98	79	102	217	262
13	164	134	105	75	110	218	278
14	185	132	108	66	125	225	273
15	153	128	110	55	111	238	282
16	143	122	108	52	120	218	292
17	146	112	106	50	149	245	300
18	130	93	84	56	162	221	305
19	145	77	75	60	139	204	287
20	133	72	68	65	156	215	296
21	98	77	66	69	154	254	294
22	97	86	68	71	146	268	289
23	99	94	62	75	168	264	270
24	99	92	52	76	170	240	294
25	91	82	47	68	175	261	301
26	81	75	49	72	174	241	283
27	88	78	56	78	195	272	327
28	100	86	56	79	176	275	271
29	107	93	55	84	166	270	303
30	112	97	55	87	182	280	313
31	122	---	58	---	197	245	---
MEAN	---	111	82	68	135	228	284
MAX	---	142	112	87	197	280	327
MIN	---	72	47	50	84	181	247

WATER-QUALITY DATA, JUNE 1998

DATE	TIME	ORGANISM	INDI-VIDUALS IN SAMPLE (NO.) (81614)	WEIGHT SAMPLE BIOTA TISSUE COMP. AVERAGE (GRAMS) (01373)	LENGTH SAMPLE BIOTA TISSUE COMP. AVERAGE (CM) (01371)	ALUMI-NUM, BIOTA, TISSUE, DRY WGT REC (UG/G) (49237)	ANTI-MONY, BIOTA, TISSUE, DRY WGT REC (UG/G) (49246)	ARSENIC BIOTA, TISSUE, DRY WGT REC (UG/G) (49247)
JUN 17	1615	Brook trout liver	6			<1.0	<.2	.2

DATE	BARIUM, BIOTA, TISSUE, DRY WGT REC (UG/G) (49238)	BERYL-LIUM-, BIOTA, TISSUE, DRY WGT REC (UG/G) (49248)	BORON, BIOTA, TISSUE, DRY WGT REC (UG/G) (49239)	CADMIUM BIOTA, TISSUE, DRY WGT REC (UG/G) (49249)	CHROM-IUM-, BIOTA, TISSUE, DRY WGT REC (UG/G) (49240)	COBALT, BIOTA TISSUE, DRY WGT REC (UG/G) (49250)	COPPER, BIOTA, TISSUE, DRY WGT REC (UG/G) (49241)	IRON, BIOTA, TISSUE, DRY WGT REC (UG/G) (49242)	LEAD, BIOTA, TISSUE, DRY WGT REC (UG/G) (49251)	MANGAN-ESE, BIOTA, TISSUE, DRY WGT REC (UG/G) (49243)
JUN 17	<.1	<.2	.4	10	<.5	.6	150	600	12	3.6

DATE	MERCURY BIOTA, TISSUE, DRY WGT REC (UG/G) (49258)	MOLYB-DENUM, BIOTA, TISSUE, DRY WGT REC (UG/G) (49252)	NICKEL, BIOTA, TISSUE, DRY WGT REC (UG/G) (49253)	SELEN-IUM, BIOTA, TISSUE, DRY WGT REC (UG/G) (49254)	SILVER, BIOTA, TISSUE, DRY WGT REC (UG/G) (49255)	STRON-TIUM, BIOTA, TISSUE, DRY WGT REC (UG/G) (49244)	VANA-DIUM BIO TIS DRY WGT REC (UG/G) (49465)	ZINC, BIOTA, TISSUE, DRY WGT REC (UG/G) (49245)	URANIUM BIOTA, TISSUE, DRY WGT REC (UG/G) (49257)	WATER, PRESENT BIO TIS DRY WGT REC PERCENT (49273)
JUN 17	.3	1.0	<.2	4.8	1.3	.3	.3	290	<.2	74

DATE	TIME	STATION NUMBER	INDI-VIDUALS IN SAMPLE (NO.) (81614)	WEIGHT SAMPLE BIOTA TISSUE COMP. AVERAGE (GRAMS) (01373)	LENGTH SAMPLE BIOTA TISSUE COMP. AVERAGE (CM) (01371)	ALDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49353)	CIS-CHLOR-DANE, BIOTA, WH ORG WW, REC (UG/KG) (49380)
JUN 17	1625	Brook trout fillet	6	--	--	<5.00	<5.00

DATE	CHLOR-DANE, BIOTA, WH ORG WW, REC (UG/KG) (49379)	O,P'-DCPA, BIOTA, WH ORG WW, REC (UG/KG) (49378)	P,P'-DDT, BIOTA, WH ORG WW, REC (UG/KG) (49377)	P,P'-DDT, BIOTA, WH ORG WW, REC (UG/KG) (49376)	O,P'-DDD, BIOTA, WH ORG WW, REC (UG/KG) (49375)	O,P'-DDD, BIOTA, WH ORG WW, REC (UG/KG) (49374)	P,P'-DDE, BIOTA, WH ORG WW, REC (UG/KG) (49373)	DDE, BIOTA, WH ORG WW, REC (UG/KG) (49372)	TRANS-DIEL-DRIN, BIOTA, WH ORG WW, REC (UG/KG) (49371)
JUN 17	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	14.0	<5.00

DATE	ENDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49370)	HEPTA-CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49369)	HEPTA-CHLOR EPOXIDE BIOTA, WH ORG WW, REC (UG/KG) (49368)	BENZENE HEXA-CHLORO-BIOTA, WH ORG WW, REC (UG/KG) (49367)	ALPHA-BHC, BIOTA, WH ORG WW, REC (UG/KG) (49366)	BETA-BHC, BIOTA, WH ORG WW, REC (UG/KG) (49365)	DELTA-BHC, BIOTA, WH ORG WW, REC (UG/KG) (49364)	LINDANE BIOTA, WH ORG WW, REC (UG/KG) (49363)	METHOXY CHLOR, O,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49362)
JUN 17	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

DATE	METHOXY CHLOR, P,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49361)	MIREX, BIOTA, WH ORG WW, REC (UG/KG) (49360)	CIS-NONA-CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49359)	TRANS-NONA-CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49358)	OXY-CHLOR DANE, BIOTA, WH ORG WW, REC (UG/KG) (49357)	PENTA CHLORO ANISOLE BIOTA, WH ORG WW, REC (UG/KG) (49356)	PCB, BIOTA, WH ORG WW, REC (UG/KG) (49354)	TOXA-PHENE, BIOTA, WH ORG WW, REC (UG/KG) (49355)	LIPIDS, BIOTA, WH ORG WW, REC PERCENT (49289)
JUN 17	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	310	<200	7.10

12413470 SOUTH FORK COEUR D'ALENE RIVER NEAR PINEHURST, ID--Continued

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.
AVERAGE DEPTH.--0.18 m.
AVERAGE PERCENT SHADING.--16.
AVERAGE VELOCITY.--0.92 m/s.
SUBSTRATE EMBEDDEDNESS CLASS RANGE.--4.
PERCENT FINES RANGE.--10.
HABITAT QUALITY INDEX.--68.
REMARKS.--Mine tailings evident along shoreline.

BIOLOGICAL DATA, JUNE 1998
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM **TAXON** *GENUS SPECIES*	DATE JUN 18	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION	FUNC-TIONAL FEEDING GROUP	POLLU-TION TOLER-ANCE VALUE
EPHEMEROPTERA					
Baetis tricaudatus		174	9.1	CG	6
Drunella coloradensis/flavilinea		105	5.5	CG	0
Serratella tibialis		6	0.3	CG	2
Epeorus deceptivus		534	28.0	SC	0
PLECOPTERA					
Chloroperlidae		24	1.3	PR	1
Sweltsa		3	0.2	PR	1
Pteronarcella		9	0.5	OM	0
TRICHOPTERA					
Brachycentrus americanus		9	0.5	OM	1
Glossosoma		3	0.2	SC	1
Hydropsyche		126	6.6	CF	4
Rhyacophila Angelita Gr.		15	0.8	PR	0
COLEOPTERA					
Dytiscidae		3	0.2	PR	5
Optioservus		12	0.6	SC	4
DIPTERA					
Atherix		3	0.2	PR	4
Clinocera		6	0.3	PR	6
Simulium		9	0.5	CF	6
Tipula		3	0.2	OM	4
CHIRONOMIDAE					
Chironomidae-pupae		153	8.0	UN	6
Cardiocladius		6	0.3	PR	5
Diamesa		6	0.3	CG	5
Eukiefferiella		27	1.4	OM	8
Micropsectra		6	0.3	CG	7
Orthocladius Complex		651	34.2	CG	6
Thienemannimyia Gr.		6	0.3	PR	6
Tvetenia Bavarica Gr.		6	0.3	CG	5

TOTAL NUMBER OF TAXA 25
TOTAL NUMBER OF ORGANISMS 1905/m^2
HILSENHOFF BIOTIC INDEX 3.67
EPT ABUNDANCE 1008/m^2
NUMBER EPT TAXA 11

12413470 SOUTH FORK COEUR D'ALENE RIVER NEAR PINEHURST, ID--Continued

COLLECTION METHODS.--Qualitative multiple habitat, relative abundance.
MESH SIZE.--210 um.
GEAR TYPE.--D-frame net and visual collections.

REACH LENGTH.--292 m.

AVERAGE WIDTH.--19 m.

HABITAT QUALITY INDEX.--68.

REMARKS.--Mine tailings evident along shoreline.

BIOLOGICAL DATA, JUNE 1998
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM **TAXON** *GENUS SPECIES*	DATE JUN 18	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION	FUNC-TIONAL FEEDING GROUP	POLLU-TION TOLER-ANCE VALUE
NON-INSECTS					
Turbellaria		33	2.0	CG	4
Pristina jenkinae		3	0.2	CG	8
EPHEMEROPTERA					
Acentrella turbida		8	0.5	CG	4
Baetis tricaudatus		188	11.5	CG	6
Diphetor hageni		5	0.3	CG	5
Drunella coloradensis/flavilinea		44	2.7	CG	0
Ephemerella inermis/infrequens		5	0.3	CG	1
Serratella tibialis		3	0.2	CG	2
Epeorus deceptivus		235	14.4	SC	0
Ameletus		25	1.5	CG	0
Siphlonurus		109	6.7	CG	7
PLECOPTERA					
Chloroperlidae		25	1.5	PR	1
Pteronarcella		5	0.3	OM	0
HEMIPTERA					
Gerris		3	0.2	PR	11
TRICHOPTERA					
Brachycentrus americanus		19	1.2	OM	1
Micrasema		14	0.8	MH	1
Hydropsyche		76	4.7	CF	4
Dicosmoecus gilvipes		3	0.2	SC	2
Onocosmoecus unicolor		3	0.2	OM	1
Rhyacophila Angelita Gr.		8	0.5	PR	0
COLEOPTERA					
Dytiscidae		134	8.2	PR	5
DIPTERA					
Atherix		3	0.2	PR	4
Hemerodromia		5	0.3	PR	6
Simulium		30	1.8	CF	6
Tabanidae		3	0.2	PR	8
Antocha		3	0.2	CG	3
Tipula		76	4.7	OM	4
CHIRONOMIDAE					
Chironomidae-pupae		38	2.3	UN	6
Cricotopus		16	1.0	CG	7
Eukiefferiella		60	3.7	OM	8
Heleniella		5	0.3	UN	6
Micropsectra		22	1.3	CG	7
Orthocladius Complex		322	19.7	CG	6
Paratendipes		11	0.7	CG	8
Polypedilum		11	0.7	OM	6
Potthastia Gaedii Gr.		27	1.7	CG	2
Thienemannimyia Gr.		11	0.7	PR	6
Tvetenia Bavarica Gr.		44	2.7	CG	5

TOTAL NUMBER OF TAXA 37
TOTAL NUMBER OF ORGANISMS 1635
HILSENHOFF BIOTIC INDEX 4.38

EPT ABUNDANCE 775
NUMBER EPT TAXA 17

12413470 SOUTH FORK COEUR D'ALENE RIVER NEAR PINEHURST, ID--Continued

COLLECTION METHODS.--Electrofishing; boat, first pass (13A); boat, second pass (13B).

LENGTH OF REACH.--1200 m.

TIME ELAPSED FOR EACH COLLECTION METHOD.--Boat, first pass (13A), 0.39 hours; boat, second pass (13B), 0.39 hours.

ANOMALY CODES.--AA-none; DE-deformities; ER-eroded fins; LE-lesions; TU-tumors; AL-anchor worms; BL-black spot; CL-leeches; IC-ich; NE-blind; P -other parasites; PE-popeye.

HABITAT QUALITY INDEX.--68.

REMARKS.--Multiple reaches sampled, 100 m between reaches.

BIOLOGICAL DATA, JUNE 1998
FISH COLLECTION DATA

ORGANISM **FAMILY** *GENUS SPECIES* (COMMON)	DATE	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION	LENGTH RANGE TOTAL MM	WEIGHT RANGE IN GM	ORIGIN	TROPHIC GROUP OF ADULTS	TEMPER-ATURE PREFER-ENCE	NUMBER AND TYPE OF ANOMALY
	JUN 17								
Catostomidae (Suckers)									
Catostomus catostomus (Longnose Sucker)		3	5.4	112-162	14-50	NATIVE	INVERTIVORE	COLD	3-AA
Cyprinidae (Carps and minnows)									
Tinca tinca (Tench)		9	16.1	40-255	1-269	INTRODUCED	INVERTIVORE	WARM	9-AA
Ictaluridae (Bullhead catfishes)									
Ameiurus nebulosus (Brown bullhead)		25	44.6	66-130	4-29	INTRODUCED	INVERTIVORE	WARM	25-AA
Salmonidae (Trouts)									
Prosopium williamsoni (Mountain whitefish)		1	1.8	280	229	NATIVE	INVERTIVORE	COLD	1-AA
Oncorhynchus mykiss sp. (Rainbow trout)		5	8.9	240-380	165-674	INTRODUCED	INVERTIVORE	COLD	5-AA
Salvelinus fontinalis (Brook trout)		13	23.2	42-325	1-425	INTRODUCED	INVERTIVORE	COLD	13-AA

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 6
TOTAL INDIVIDUALS 56

12413470 SOUTH FORK COEUR D'ALENE RIVER NEAR PINEHURST, ID--Continued

COLLECTION METHODS.--Electrofishing; boat (13A) reach 1; backpack (11A) reach 2 and 3.

LENGTH OF REACH.--272 m, reach 1; 292 m, reach 2; 325 m, reach 3.

TIME ELAPSED FOR EACH COLLECTION METHOD.--0.28 hours, reach 1; 0.28 hours, reach 2; 0.54 hours, reach 3.

ANOMALY CODES.--AA-none; DE-deformities; ER-eroded fins; LE-lesions; TU-tumors; AL-anchor worms; BL-black spot; CL-leeches; IC-ich; NE-blind; P -other parasites; PE-popeye.

HABITAT QUALITY INDEX.--NA.

BIOLOGICAL DATA, AUGUST 1999
FISH COLLECTION DATA, REACH 1

ORGANISM **FAMILY** *GENUS SPECIES* (COMMON)	DATE	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION	LENGTH RANGE TOTAL MM	WEIGHT RANGE IN GM	ORIGIN	TROPHIC GROUP OF ADULTS	TEMPER-ATURE PREFER-ENCE	NUMBER AND TYPE OF ANOMALY
	AUG 17								
Catostomidae (Suckers)									
Catostomus catostomus (Longnose Sucker)		1	4	79	7	NATIVE	INVERTIVORE	COLD	1-AA
Ictaluridae (Bullhead catfishes)									
Ameiurus nebulosus (Brown bullhead)		1	4	32	1	INTRODUCED	INVERTIVORE	WARM	1-AA
Salmonidae (Trouts)									
Prosopium williamsoni (Mountain whitefish)		4	16	85-260	6-183	NATIVE	INVERTIVORE	COLD	4-AA
Oncorhynchus mykiss sp. (Rainbow trout)		3	12	54-63	2-4	INTRODUCED	INVERTIVORE	COLD	3-AA
Salvelinus fontinalis (Brook trout)		16	64	60-204	3-102	INTRODUCED	INVERTIVORE	COLD	16-AA

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 5
TOTAL INDIVIDUALS 25

BIOLOGICAL DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
FISH COLLECTION DATA, REACH 2

ORGANISM **FAMILY** *GENUS SPECIES* (COMMON)	DATE	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION	LENGTH RANGE TOTAL MM	WEIGHT RANGE IN GM	ORIGIN	TROPHIC GROUP OF ADULTS	TEMPER-ATURE PREFER-ENCE	NUMBER AND TYPE OF ANOMALY
	AUG 17								
Catostomidae (Suckers)									
Catostomus catostomus (Longnose Sucker)		3	15	90-142	9-38	NATIVE	INVERTIVORE	COLD	3-AA
Ictaluridae (Bullhead catfishes)									
Ameiurus nebulosus (Brown bullhead)		2	10	85-95	12-15	INTRODUCED	INVERTIVORE	WARM	2-AA
Salmonidae (Trouts)									
Oncorhynchus clarki (Cutthroat trout)		1	5	440	1010	NATIVE	INVERTIVORE	COLD	1-AA
Prosopium williamsoni (Mountain whitefish)		2	10	255-310	157-287	NATIVE	INVERTIVORE	COLD	2-AA
Oncorhynchus mykiss sp. (Rainbow trout)		3	15	45-385	2-568	INTRODUCED	INVERTIVORE	COLD	3-AA
Salvelinus fontinalis15 (Brook trout)		9	45	52-160	2-65	INTRODUCED	INVERTIVORE	COLD	9-AA

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 6
TOTAL INDIVIDUALS 20

BIOLOGICAL DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
FISH COLLECTION DATA, REACH 3

ORGANISM **FAMILY** *GENUS SPECIES* (COMMON)	DATE	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION	LENGTH RANGE TOTAL MM	WEIGHT RANGE IN GM	ORIGIN	TROPHIC GROUP OF ADULTS	TEMPER-ATURE PREFER-ENCE	NUMBER AND TYPE OF ANOMALY
	AUG 17								
Catostomidae (Suckers)									
Catostomus catostomus (Longnose Sucker)		1	2	105	16	NATIVE	INVERTIVORE	COLD	1-AA
Ictaluridae (Bullhead catfishes)									
Ameiurus nebulosus (Brown bullhead)		3	6	70-160	5-71	INTRODUCED	INVERTIVORE	WARM	3-AA
Salmonidae (Trouts)									
Prosopium williamsoni (Mountain whitefish)		7	35	253-265	110-176	NATIVE	INVERTIVORE	COLD	7-AA
Oncorhynchus mykiss sp. (Rainbow trout)		2	4	56-333	1-356	INTRODUCED	INVERTIVORE	COLD	2-AA
Salvelinus fontinalis (Brook trout)		37	74	51-300	2-320	INTRODUCED	INVERTIVORE	COLD	37-AA

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 5
TOTAL INDIVIDUALS 50

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1989 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: May to September 1998, March 1999 to current year.
SPECIFIC CONDUCTANCE: March 1999 to current year.

INSTRUMENTATION.--Water quality data logger, temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 23.7 °C July 27, 1998; minimum, 0.7 °C Jan. 7, 2000.
SPECIFIC CONDUCTANCE: Maximum daily mean, 358 microsiemens/cm Aug. 25, 2000; minimum daily mean, 47 microsiemens/cm May 25, 1999.

EXTREMES FOR CURRENT PERIOD.--
WATER TEMPERATURE: Maximum, 22.0 °C July 29; minimum, 0.7 °C Jan. 7.
SPECIFIC CONDUCTANCE: Maximum daily mean, 358 microsiemens/cm Aug. 25; minimum daily mean, 50 microsiemens/cm April 14.

REMARKS.--Missing data due to equipment malfunction.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV										
17...	1040245	188	7.2	6.0	8.0	--	--	--	--	
JAN										
05...	1420241	205	7.4	1.0	4.0	--	--	--	--	
FEB										
17...	0740400	175	7.3	-4.0	2.0	--	--	--	--	
MAR										
28...	1100948	120	7.4	3.5	4.8	.6	11.7	98	K1	
MAY										
10...	13201340	84	7.8	17.0	7.2	.6	11.2	101	K3	
JUN										
15...	0955934	99	7.3	17.5	10.0	.3	10.9	103	K10	
JUL										
19...	1230202	221	7.2	28.5	18.0	1.3	13.3	150	K1	
AUG										
08...	1200134	264	7.3	32.5	17.9	.9	--	--	K4	
SEP										
07...	0735115	304	7.1	11.0	7.3	.6	7.6	67	K12	

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS HCO3 (00440)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
NOV										
17...	--	69	18	5.8	7.3	--	--	--	--	53
JAN										
05...	--	78	21	6.5	--	--	--	--	--	--
FEB										
17...	--	67	17	5.8	--	--	--	--	--	--
MAR										
28...	K6	43	11	3.8	--	--	29	0	24	--
MAY										
10...	K2	--	--	--	--	--	--	--	--	--
JUN										
15...	K1	--	--	--	--	--	--	--	--	--
JUL										
19...	K3	--	--	--	--	--	--	--	--	--
AUG										
08...	K1	--	--	--	--	--	--	--	--	--
SEP										
07...	24	120	30	11	6.6	1.7	44	0	36	96

K Results based on counts outside ideal colony range.

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)
NOV										
17...	3.2	.2	10	.32	.189.4	.042	.0127	7.0		
JAN										
05...	--	--	--	.27	.123.2	.029	.0058	7.8		
FEB										
17...	--	--	--	.22	.122.2	.024	.0088	8.3		
MAR										
28...	--	--	--	.12	.044.1	.024	.0065	5.0		
MAY										
10...	--	--	--	.049	.023E.09	E.007	.004--	--		
JUN										
15...	--	--	--	.061	.048E.10	.017	.005--	--		
JUL										
19...	--	--	--	<.005	<.002.2	.036	<.001--	--		
AUG										
08...	--	--	--	.22	.141.3	.046	.018--	--		
SEP										
07...	3.0	<.1	11	.23	.287.4	.068	.027--	--		

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV										
17...	228	68	3	19.3	285	287	1460	1370	--	--
JAN										
05...	167	85	4	12.4	247	283	1150	1090	--	--
FEB										
17...	169	86	3	12.6	237	231	1170	1170	--	--
MAR										
28...	288	29	3	32.7	252	249	691	674	59	151
MAY										
10...	--	--	--	--	--	--	--	--	9	33
JUN										
15...	--	--	--	--	--	--	--	--	4	10
JUL										
19...	--	--	--	--	--	--	--	--	2	1.1
AUG										
08...	--	--	--	--	--	--	--	--	1	.36
SEP										
07...	--	--	--	--	--	--	--	--	10	3.1

E Positive detection but below stated detection limit.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	12.6	7.8	10.2	9.0	6.5	7.5	6.2	6.0	6.1	3.2	2.9	3.0
2	12.1	7.2	9.6	8.5	5.3	6.9	6.0	5.0	5.8	3.3	2.8	3.0
3	12.1	7.0	9.6	8.3	5.8	7.2	5.4	3.9	4.7	3.8	2.9	3.2
4	12.9	7.5	10.2	8.4	6.0	7.4	4.7	3.0	3.8	3.9	2.8	3.3
5	---	---	---	6.4	4.8	5.6	4.5	3.3	3.9	4.3	3.2	3.7
6	---	---	---	8.9	6.4	7.6	5.5	4.4	4.9	4.0	3.0	3.6
7	11.0	10.0	10.6	9.4	7.6	8.3	5.4	4.7	5.0	4.5	3.3	3.9
8	11.0	10.0	10.5	8.1	6.8	7.5	5.4	4.4	4.8	4.5	3.7	4.2
9	11.0	9.4	10.3	9.3	7.9	8.5	5.0	4.4	4.7	3.7	1.8	3.1
10	11.0	8.3	9.5	9.1	8.4	8.7	4.9	4.7	4.8	3.3	1.7	2.6
11	11.0	9.2	10.1	8.9	7.8	8.5	4.7	3.8	4.4	3.7	2.6	3.1
12	12.0	10.0	10.6	10.9	8.6	9.8	5.2	4.5	4.9	3.2	2.1	2.7
13	12.0	9.9	10.7	10.6	9.6	10.1	4.5	3.9	4.2	3.8	2.6	3.1
14	11.0	9.0	10.1	10.3	8.3	9.3	4.0	3.4	3.7	4.5	3.2	3.7
15	---	---	---	8.5	7.3	7.9	4.7	3.9	4.3	4.1	2.6	3.3
16	---	---	---	8.6	7.4	7.9	5.4	4.7	5.1	4.1	2.8	3.4
17	9.0	6.5	7.7	8.2	7.8	8.0	5.2	4.6	4.9	4.4	2.6	3.5
18	---	---	---	9.0	6.8	7.8	5.1	4.5	4.9	4.0	2.1	2.9
19	---	---	---	7.6	6.4	7.0	4.5	4.1	4.3	4.4	2.3	3.1
20	---	---	---	7.8	6.8	7.4	5.2	4.4	4.8	3.4	2.1	2.6
21	---	---	---	6.8	5.8	6.2	5.5	4.9	5.1	2.8	2.2	2.4
22	---	---	---	6.8	5.7	6.2	5.3	4.8	5.0	3.9	2.8	3.3
23	---	---	---	6.7	6.0	6.3	5.7	3.9	5.0	3.6	2.1	2.9
24	10.7	8.3	9.3	6.5	6.1	6.3	4.5	3.4	3.8	4.4	2.3	3.2
25	10.0	7.5	8.8	6.5	6.1	6.3	4.4	2.8	3.7	3.6	2.9	3.3
26	10.3	8.6	9.7	6.4	5.5	6.1	3.9	2.6	3.0	---	---	---
27	9.2	7.6	8.5	6.1	5.4	5.7	3.5	2.9	3.2	---	---	---
28	8.8	8.3	8.6	6.6	5.0	5.8	3.2	2.8	3.0	---	---	---
29	8.9	7.5	8.3	6.3	4.9	5.6	3.2	2.6	2.9	3.8	1.4	2.5
30	10.8	8.2	9.3	7.0	6.2	6.5	3.3	2.7	3.0	2.8	.7	1.6
31	10.2	7.2	8.9	---	---	---	3.2	2.0	2.7	2.8	1.1	2.0
MONTH	---	---	---	10.9	4.8	7.3	6.2	2.0	4.3	---	---	---

SPOKANE RIVER BASIN

12413470 SOUTH FORK COEUR D'ALENE RIVER NEAR PINEHURST, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.2	2.1	3.1	6.1	4.1	4.8	8.9	4.5	6.5	11.1	6.0	8.5
2	3.9	2.5	3.2	5.8	3.9	4.8	9.6	5.0	7.0	8.4	6.6	7.3
3	4.8	2.7	3.6	6.4	4.5	5.4	9.7	4.2	6.7	7.8	5.9	6.8
4	3.8	2.2	3.1	5.6	4.7	5.1	8.1	4.9	6.2	7.5	5.7	6.5
5	4.9	3.4	4.0	6.5	4.6	5.3	6.2	4.1	5.2	7.5	5.2	6.4
6	4.9	3.7	4.3	5.1	4.3	4.8	5.9	4.3	5.0	8.8	4.9	6.8
7	5.3	4.0	4.5	6.8	4.1	5.1	8.8	3.9	5.9	10.0	4.6	7.1
8	5.1	3.8	4.4	6.5	4.1	5.1	9.6	3.9	6.4	8.9	4.9	7.0
9	5.3	3.1	4.3	6.2	3.9	5.0	10.4	4.5	7.1	8.4	6.5	7.4
10	4.7	2.3	3.3	6.7	4.3	5.3	10.3	4.9	7.3	8.4	5.7	6.8
11	3.1	2.1	2.6	5.3	4.3	4.7	9.5	4.9	7.0	6.7	5.1	5.9
12	4.5	2.6	3.5	6.1	3.9	4.9	8.3	5.4	6.6	9.0	5.4	6.8
13	5.5	3.0	3.9	6.8	4.3	5.4	6.4	5.7	6.1	11.4	5.2	8.0
14	4.1	3.2	3.6	6.5	4.6	5.3	6.4	5.1	5.7	9.9	6.7	8.1
15	4.3	3.0	3.5	7.5	4.0	5.3	7.0	5.3	6.0	12.6	6.4	9.2
16	5.5	2.7	3.8	5.0	3.9	4.4	7.3	5.0	6.1	12.1	6.5	9.3
17	3.7	2.0	2.9	4.5	3.8	4.1	9.3	5.3	6.9	12.0	6.9	9.2
18	3.6	1.7	2.7	6.1	3.9	4.9	10.2	5.4	7.3	11.1	6.5	8.7
19	5.0	1.2	2.9	6.3	3.9	4.9	9.5	5.2	7.1	9.3	6.8	7.9
20	5.3	1.5	3.2	7.0	3.3	4.8	9.7	5.0	7.1	11.3	6.6	8.6
21	4.7	3.2	3.9	7.5	3.1	5.0	9.4	5.7	7.4	10.3	7.4	8.7
22	6.0	4.1	4.9	8.8	3.7	6.2	8.0	5.8	6.7	11.9	7.2	9.4
23	5.1	4.0	4.5	6.8	4.4	5.6	7.0	4.6	5.7	11.7	7.2	9.3
24	5.4	3.6	4.3	8.0	4.0	5.5	7.7	4.7	5.8	11.6	6.4	8.9
25	5.3	3.2	4.0	6.0	3.7	4.9	6.7	4.4	5.5	11.9	6.8	9.2
26	5.3	3.2	4.2	8.7	4.2	6.2	10.2	4.9	7.3	9.8	7.1	8.5
27	5.5	4.0	4.7	9.2	4.2	6.5	11.6	5.4	8.3	9.6	7.1	8.3
28	5.3	4.3	4.7	6.5	4.5	5.4	8.9	6.0	7.2	10.5	7.0	8.4
29	5.4	3.7	4.5	6.1	4.3	5.1	9.5	5.1	7.0	10.9	6.2	8.3
30	---	---	---	8.4	4.1	5.8	10.9	5.2	7.8	10.3	6.5	8.4
31	---	---	---	9.1	3.7	6.1	---	---	---	9.4	6.9	8.1
MONTH	6.0	1.2	3.8	9.2	3.1	5.2	11.6	3.9	6.6	12.6	4.6	8.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.4	6.4	9.1	17.8	11.9	14.6	21.8	15.5	18.6	15.3	13.8	14.5
2	12.1	7.5	9.8	17.5	11.2	14.3	21.4	14.5	18.0	13.9	12.2	13.0
3	13.9	7.5	10.6	13.6	10.8	11.9	21.6	14.7	18.1	17.3	11.1	13.8
4	14.3	8.0	11.1	14.0	9.7	11.3	21.4	15.4	18.3	16.3	12.1	14.0
5	13.0	8.5	10.6	14.7	9.8	12.1	21.7	14.4	18.0	13.7	11.9	12.7
6	13.4	8.6	10.9	13.7	11.3	12.4	21.8	14.9	18.2	13.4	11.8	12.5
7	14.8	8.5	11.5	18.1	11.0	14.1	21.2	14.5	17.8	16.8	11.1	13.7
8	11.7	9.3	10.1	15.7	11.5	13.8	21.5	14.3	17.8	14.2	11.9	12.6
9	10.4	8.5	9.2	18.7	11.7	14.7	21.7	14.5	18.1	12.1	10.2	11.3
10	9.5	7.6	8.4	18.7	11.4	14.9	20.3	15.1	17.8	12.7	11.0	11.8
11	10.1	6.9	8.4	19.4	11.8	15.5	20.3	15.2	17.5	16.3	11.5	13.6
12	9.9	8.1	8.9	19.8	12.4	16.0	19.4	12.6	16.1	17.4	11.8	14.4
13	11.8	8.3	9.8	19.7	13.2	16.5	19.6	12.8	16.2	18.7	13.0	15.6
14	9.9	8.6	9.2	19.4	13.1	16.3	19.8	12.7	16.2	19.4	13.3	16.2
15	13.1	8.5	10.6	19.5	13.0	16.2	19.5	13.0	16.2	17.8	13.7	15.8
16	14.5	7.6	10.9	19.6	12.1	15.8	19.6	12.4	16.0	18.8	13.6	16.0
17	14.7	8.4	11.5	20.1	12.6	16.3	19.4	12.5	16.0	18.9	13.8	16.3
18	13.3	8.9	11.1	19.2	13.2	15.8	19.4	13.6	16.4	16.1	13.6	14.9
19	12.9	9.5	11.0	20.8	13.5	17.0	16.5	13.5	15.0	17.1	13.3	15.0
20	15.8	8.5	12.0	20.8	13.8	17.2	18.5	11.7	14.9	14.0	11.3	12.1
21	15.7	9.5	12.5	21.3	13.6	17.4	18.7	11.7	15.2	11.3	9.0	10.5
22	16.8	10.8	13.6	20.1	14.3	17.2	19.2	12.2	15.7	12.3	7.0	9.5
23	15.1	9.8	12.4	20.5	14.1	17.2	19.8	12.6	16.2	12.8	6.9	9.8
24	12.3	9.8	11.3	20.6	13.4	16.9	19.4	14.0	16.5	13.6	7.6	10.5
25	17.0	9.6	13.0	20.6	13.7	17.1	20.0	14.0	16.9	13.5	8.3	10.8
26	17.4	10.2	13.6	20.6	13.7	17.1	17.8	13.6	15.8	14.2	8.3	11.2
27	18.1	10.8	14.4	20.6	13.9	17.2	17.2	12.7	14.7	14.6	8.7	11.6
28	18.5	11.2	14.8	21.3	13.8	17.5	18.0	11.2	14.5	14.0	9.5	11.7
29	17.8	11.8	14.8	22.0	14.7	18.3	17.0	11.5	14.5	12.0	10.1	11.2
30	18.0	11.5	14.6	21.8	14.9	18.4	19.7	13.6	16.4	12.5	11.7	12.0
31	---	---	---	21.4	15.3	18.1	17.2	12.7	15.0	---	---	---
MONTH	18.5	6.4	11.3	22.0	9.7	15.8	21.8	11.2	16.5	19.4	6.9	13.0

SPECIFIC CONDUCTANCE, MICROSIEMENS/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	217	170	207	205	133	129	71	83	151	241	297
2	---	251	161	230	102	130	121	69	92	140	246	274
3	---	258	146	222	120	130	104	62	91	136	247	214
4	311	242	166	210	119	134	91	60	91	158	250	270
5	---	241	171	230	117	127	79	62	87	161	257	294
6	---	217	165	217	142	127	86	70	86	165	261	292
7	379	201	180	211	157	126	96	76	88	161	258	294
8	302	225	182	246	161	136	107	78	90	174	260	298
9	234	233	184	212	143	147	113	79	94	176	246	284
10	252	238	186	224	130	150	101	76	99	179	203	279
11	294	258	168	203	138	142	82	85	103	183	263	260
12	300	257	180	229	135	147	71	91	105	188	267	279
13	300	222	145	205	146	156	64	98	100	194	275	272
14	304	179	156	237	141	152	50	98	97	199	273	219
15	---	206	169	195	144	152	58	95	95	186	274	288
16	---	201	157	200	173	144	63	84	94	178	279	299
17	262	212	147	170	187	155	63	72	106	208	276	298
18	---	215	130	174	184	145	60	68	109	211	288	296
19	---	218	131	176	159	141	60	68	113	221	282	294
20	---	211	139	179	184	168	61	67	119	219	230	279
21	311	209	150	176	195	161	62	64	122	221	272	217
22	---	240	160	200	179	167	58	60	127	208	283	296
23	---	263	167	170	165	141	59	59	116	171	283	302
24	281	211	179	209	142	124	66	63	135	223	332	304
25	309	192	170	207	135	112	73	67	138	231	358	299
26	299	103	177	---	141	135	80	69	140	232	288	279
27	277	112	198	---	147	136	88	68	143	233	267	222
28	245	123	209	---	139	121	76	75	146	232	323	295
29	237	142	208	234	132	109	74	79	146	235	312	316
30	285	167	217	186	---	116	76	85	149	237	311	297
31	222	---	221	234	---	127	---	78	---	237	294	---
MEAN	---	209	171	---	150	138	79	74	110	195	274	280
MAX	---	263	221	---	205	168	129	98	149	237	358	316
MIN	---	103	130	---	102	109	50	59	83	136	203	214

BIOLOGICAL DATA, SEPTEMBER 2000
FISH COLLECTION DATA

COLLECTION METHODS.--Electrofishing; tote-barge (12A).

LENGTH OF REACH.--615 m.

TIME ELAPSED FOR EACH COLLECTION METHOD.--0.60 hours.

ANOMALY CODES.--AA-none; DE-deformities; ER-eroded fins; LE-lesions; TU-tumors; AL-anchor worms; BL-black spot; CL-leeches; IC-ich; NE-blind; PA-other parasites; PE-popeye.

ORGANISM **FAMILY** *GENUS SPECIES* (COMMON)	DATE	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION	LENGTH RANGE TOTAL MM	WEIGHT RANGE IN GM	ORIGIN	TROPHIC GROUP OF ADULTS	TEMPER-ATURE PREFER-ENCE	NUMBER AND TYPE OF ANOMALY
	Sep. 14								
Catostomidae (Suckers)									
Catostomus macrocheilus (Largescale sucker)		1	2.0	105	14	NATIVE	OMNIVORE	COLD	1-AA
Ictaluridae (Bullhead catfishes)									
Ameiurus nebulosus (Brown bullhead)		2	3.9	84-100	11-16	INTRODUCED	OMNIVORE	WARM	2-AA
Salmonidae (Trouts)									
Oncorhynchus clarki sp. (Cutthroat trout)		5	9.8	83-350	8-481	NATIVE	INVERTIVORE	COLD	5-AA
Oncorhynchus mykiss sp. (Rainbow trout)		3	5.9	241-568	179-1985	[a]INTRODUCED	INVERTIVORE	COLD	1-ER,2-AA
Prosopium williamsoni (Mountain whitefish)		4	7.8	240-331	110-218	NATIVE	INVERTIVORE	COLD	4-AA
Salvilinus fontinalis (Brook trout)		36	70.6	70-364	4-595	INTRODUCED	INVERTIVORE	COLD	35-AA,1-ER

TOTAL NUMBER OF TAXA 6
TOTAL INDIVIDUALS 51

a-Rainbow trout are considered native in Idaho downstream of Shoshone Falls and introduced upstream of Shoshone Falls.

SPOKANE RIVER BASIN

12413470 SOUTH FORK COEUR D'ALENE RIVER NEAR PINEHURST, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1989 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: May to September 1998, March 1999 to current year.
SPECIFIC CONDUCTANCE: March 1999 to current year.
TURBIDITY: March 1999 to current year.

INSTRUMENTATION.--Water quality data logger, temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 23.7 °C July 27, 1998; minimum, 0.7 °C Jan. 7, 2000.
SPECIFIC CONDUCTANCE: Maximum daily mean, 358 microsiemens/cm Aug. 25, 2000; minimum daily mean, 47 microsiemens/cm May 25, 1999.

EXTREMES FOR CURRENT PERIOD.--
WATER TEMPERATURE: Maximum, 22.5 °C Aug. 7, 9; minimum, 0.7 °C Dec. 15, Feb. 8.
SPECIFIC CONDUCTANCE: Maximum daily mean, 353 microsiemens/cm Dec. 12, 16; minimum daily mean, 60 microsiemens/cm April 28.
TURBIDITY: Maximum recorded >1,000 NTU May 10-11, July 21-23, Aug. 17; minimum recorded, <2 NTU on many days during the year.

REMARKS.--Missing data due to equipment malfunction. Turbidity data collected prior to 2001 water year not published.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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 LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT													
18...	1035	95	315	7.0	9.0	9.8	--	--	--	--	126	32.0	11.1
NOV													
06...	1330	120	288	7.1	7.0	7.5	--	12.6	114	--	115	29.4	10.2
30...	0750	99	299	7.2	0	4.1	--	--	--	--	122	31.2	10.6
DEC													
18...	1200	94	320	6.6	-4.5	1.4	--	13.3	100	--	129	32.1	11.8
JAN													
10...	1145	94	327	7.2	2.0	4.0	--	--	--	--	136	34.3	12.3
23...	1430	86	328	6.8	5.0	2.9	--	13.4	107	--	130	32.1	12.0
FEB													
27...	1630	94	289	7.3	1.5	5.7	--	--	--	--	114	29.4	9.93
MAR													
14...	1145	247	195	7.3	8.0	5.0	--	12.2	103	--	72.6	19.3	5.92
APR													
10...	1100	260	193	7.4	7.0	5.4	1.1	12.1	105	<1	77.8	20.5	6.46
MAY													
01...	1400	1470	77	7.3	6.0	5.9	11	8.8	76.6	S5	29.0	7.68	2.39
03...	1300	909	97	7.2	13.0	7.6	--	11.0	98.8	--	36.2	9.56	3.00
JUN													
12...	1230	385	142	7.4	9.0	9.0	--	11.0	103	--	55.6	14.8	4.53
25...	1545	251	176	7.4	24.0	17.3	4.5	5.1	57.5	56	70.7	18.6	5.85
JUL													
24...	1040	133	190	7.5	24.0	15.3	1.7	6.1	66.0	S11	--	--	--
AUG													
06...	1505	108	200	7.5	32.5	21.4	2.5	7.7	94.1	S7	78.1	20.4	6.61
SEP													
10...	1115	81	332	7.2	20.0	13.1	2.2	8.4	88.3	S4	135	34.4	11.9
10...	1130	--	--	--	--	--	--	--	--	--	--	--	--
19...	1240	69	339	6.9	19.0	14.5	--	--	--	--	149	38.2	12.9

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT													
18...	--	--	--	--	--	--	--	--	--	--	.36	--	--
NOV													
06...	6.2	1.78	40	33	3.8	92.9	.3	10.2	.270	.34	.34	.333	.004
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
18...	6.6	1.88	40	33	4.1	105	.4	10.2	.408	.41	.40	.406	.003
JAN													
10...	--	--	--	--	--	--	--	--	.366	--	.47	.386	--
23...	7.0	1.84	38	31	6.3	108	.3	9.7	.316	.39	.43	.422	.003
FEB													
27...	--	--	--	--	--	--	--	--	.264	--	.37	.350	--
MAR													
14...	5.4	1.39	34	28	5.9	48.1	.2	10.3	.212	.29	.34	.448	.002
APR													
10...	4.5	1.20	33	27	5.5	51.5	.2	9.9	.142	.17	.21	.275	.002
MAY													
01...	--	--	--	--	--	--	--	--	.028	--	.09	.097	--
03...	2.3	.64	24	20	2.2	19.5	<.2	9.2	.048	E.09	E.07	.125	.001
JUN													
12...	3.0	.76	31	25	2.6	31.9	E.1	8.3	.081	E.09	.28	.072	.001
25...	--	--	--	--	--	--	--	--	.089	--	.17	.082	--
JUL													
24...	--	--	--	--	--	--	--	--	.182	--	.35	.169	--
AUG													
06...	--	--	--	--	--	--	--	--	.195	--	.26	.186	--
SEP													
10...	5.9	1.64	--	--	4.8	108	.3	10.1	.368	--	.60	.245	--
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	.013	--	E.08	.135	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	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)
OCT													
18...	--	--	.063	--	--	9.97	9.96	--	--	90	240	6.61	15
NOV													
06...	.023	.020	.035	.6	<2	8.66	8.66	1.2	1.9	80	--	5.61	16
30...	--	--	--	--	--	9.15	9.39	--	--	60	240	4.71	16
DEC													
18...	.020	.020	.061	.4	<3	9.43	9.04	1.2	2.2	90	--	4.45	17
JAN													
10...	--	.018	.058	--	--	10.9	9.86	--	--	100	230	5.22	14
23...	.022	.016	.050	.4	<2	8.93	8.84	1.4	1.5	70	--	5.19	13
FEB													
27...	--	.017	.059	--	--	8.72	8.70	--	--	90	310	4.97	17
MAR													
14...	.018	.014	.079	.5	E1	18.2	18.6	1.4	2.5	80	--	4.36	32
APR													
10...	.015	.013	.037	.4	<2	8.49	9.01	1.4	1.5	90	--	5.11	15
MAY													
01...	--	E.005	.027	--	--	3.29	3.93	--	--	20	560	2.98	68
03...	.009	E.005	.023	.3	<2	4.43	4.79	.9	1.5	30	--	3.16	30
JUN													
12...	.014	.011	.023	.5	<2	4.98	4.99	.8	1.2	70	--	4.90	13
25...	--	.011	.032	--	--	5.31	5.41	--	--	110	200	6.78	13
JUL													
24...	--	.021	.044	--	--	--	--	--	--	--	--	--	--
AUG													
06...	--	.018	.051	--	--	6.56	6.66	--	--	120	250	6.82	15
SEP													
10...	--	.024	.068	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	<.007	.019	--	--	9.11	9.26	--	--	80	220	4.71	13

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	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)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT							
18...	1580	1400	1790	1630	--	--	--
NOV							
06...	1400	--	1520	1390	75	1	.32
30...	748	713	1840	1750	--	--	--
DEC							
18...	2550	--	1710	1690	82	2	.51
JAN							
10...	1900	1770	1830	1810	--	--	--
23...	1870	--	1610	1600	75	1	.23
FEB							
27...	842	809	1520	1490	--	--	--
MAR							
14...	317	--	1650	1780	81	5	3.3
APR							
10...	316	--	1340	1270	71	2	1.4
MAY							
01...	78.4	142	477	520	--	21	83
03...	130	--	632	661	81	3	7.4
JUN							
12...	187	--	810	805	86	2	2.1
25...	230	219	889	903	--	1	.68
JUL							
24...	--	--	--	--	--	2	.72
AUG							
06...	315	329	1040	1060	--	2	.58
SEP							
10...	--	--	--	--	--	4	.87
10...	--	--	--	--	--	--	--
19...	641	607	1610	1610	--	--	--

< Less than
E Estimated value
S Most probable value

SPOKANE RIVER BASIN

12413470 SOUTH FORK COEUR D'ALENE RIVER NEAR PINEHURST, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	14.8	11.4	12.4	9.1	7.4	8.0	6.0	4.8	5.2	5.4	4.0	4.6
2	14.7	9.1	11.1	9.2	6.7	7.8	4.9	4.3	4.5	4.4	3.5	4.0
3	11.9	8.7	10.0	8.3	6.3	7.2	5.9	4.5	5.2	4.5	3.7	4.1
4	12.6	8.6	10.2	6.9	6.2	6.5	5.3	3.4	4.1	5.1	4.1	4.6
5	12.6	7.6	9.8	8.0	6.3	7.0	4.5	3.4	4.0	5.5	4.6	4.9
6	12.1	6.8	9.3	8.5	6.2	7.1	5.4	4.3	4.7	5.1	3.1	4.3
7	---	---	---	7.4	5.5	6.4	4.4	4.1	4.2	3.6	1.8	2.7
8	---	---	---	6.5	5.2	5.7	4.7	4.0	4.3	3.2	1.2	2.3
9	---	---	---	6.7	4.4	5.6	4.3	3.2	3.7	4.5	3.1	3.6
10	---	---	---	4.7	3.0	3.8	3.5	2.7	3.1	4.5	3.1	3.7
11	13.8	9.6	11.6	4.1	2.0	3.3	3.5	1.3	2.7	4.0	2.4	3.2
12	11.9	10.5	11.2	4.9	3.7	4.2	2.7	1.0	1.6	3.8	2.8	3.3
13	10.6	10.0	10.3	4.8	2.7	3.8	2.5	1.6	2.0	4.4	3.3	3.9
14	11.1	9.7	10.3	4.8	2.3	3.6	2.6	1.2	1.9	4.1	3.3	3.7
15	11.7	8.6	10.1	4.4	3.4	3.9	2.3	.7	1.4	4.1	2.6	3.3
16	11.5	9.3	10.4	4.7	4.2	4.4	2.0	.9	1.5	3.4	2.4	2.9
17	13.4	10.1	11.5	5.0	3.5	4.3	2.8	1.2	2.1	3.3	1.7	2.5
18	11.4	9.7	10.5	4.9	4.1	4.5	2.8	1.4	2.1	3.4	1.8	2.6
19	12.4	9.9	11.1	5.4	3.2	4.3	3.0	2.0	2.3	3.3	2.9	3.2
20	11.4	9.6	10.6	5.1	2.8	3.9	2.3	1.3	1.9	4.5	2.6	3.4
21	11.0	8.4	9.9	4.8	2.7	3.7	2.3	1.4	1.9	3.6	2.4	3.0
22	10.8	7.7	8.9	4.6	3.1	3.8	3.6	2.0	3.0	5.4	3.4	4.3
23	10.2	6.7	8.3	4.6	3.2	3.9	5.0	3.5	4.2	4.7	2.5	3.6
24	10.1	7.4	8.6	5.1	3.9	4.5	4.5	3.7	4.1	4.2	2.0	3.1
25	9.9	7.3	8.5	5.4	4.6	5.0	4.8	3.7	4.2	4.7	3.5	4.1
26	10.7	7.8	9.2	6.1	4.5	5.3	5.0	3.9	4.4	5.0	2.7	4.0
27	10.4	9.0	9.5	6.2	4.2	5.4	5.5	4.2	4.7	4.0	1.6	2.8
28	9.6	8.0	8.9	5.0	3.1	4.0	4.8	3.9	4.4	4.0	1.8	2.8
29	10.1	8.4	9.1	3.9	3.0	3.5	4.3	3.3	3.9	2.9	1.7	2.3
30	9.4	7.5	8.3	5.1	3.9	4.4	4.1	3.1	3.6	3.7	2.1	2.9
31	7.7	7.2	7.5	---	---	---	4.9	3.9	4.3	3.7	2.5	3.1
MONTH	---	---	---	9.2	2.0	5.0	6.0	.7	3.4	5.5	1.2	3.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	4.9	3.4	4.0	4.9	1.5	3.4	8.0	4.3	5.9	6.0	4.7	5.3
2	4.4	3.5	4.0	6.6	3.8	4.7	5.9	4.4	5.0	8.2	4.4	6.0
3	5.1	3.5	4.1	6.8	3.3	4.7	5.8	4.0	4.8	10.4	4.5	7.2
4	3.6	1.9	2.6	7.5	2.7	5.2	8.3	2.8	5.3	11.6	5.7	8.4
5	4.7	2.9	3.8	7.3	4.8	5.8	8.8	3.5	6.0	9.4	6.8	8.0
6	5.7	3.1	4.1	8.6	4.2	6.0	7.7	5.2	6.4	10.9	4.8	7.6
7	3.8	1.2	2.6	8.9	4.0	6.2	6.7	5.3	5.9	11.2	5.0	7.9
8	2.8	.7	1.6	7.0	3.7	5.5	5.7	4.2	5.0	11.0	6.1	8.5
9	2.3	.8	1.5	6.2	4.8	5.5	5.8	4.6	5.2	10.9	6.5	8.7
10	4.1	1.1	2.5	5.8	4.1	5.0	7.2	4.5	5.7	11.6	6.1	8.6
11	5.2	2.1	3.4	5.9	3.6	4.7	6.8	4.6	5.6	12.0	5.8	8.8
12	4.0	1.5	2.8	6.8	4.4	5.5	7.3	4.6	5.9	10.9	6.8	8.7
13	5.8	2.7	4.0	7.0	4.7	5.5	6.9	4.6	5.6	11.3	7.4	9.3
14	3.3	1.6	2.5	6.0	4.1	5.0	9.4	4.2	6.5	8.5	6.5	7.1
15	3.7	1.7	2.7	7.2	3.0	5.2	11.0	4.1	7.3	9.1	6.2	7.3
16	2.1	.9	1.5	5.8	4.6	5.1	11.8	4.9	8.3	8.1	6.1	6.9
17	5.0	1.2	3.0	5.7	4.1	4.9	11.0	6.8	8.8	9.1	5.2	7.2
18	5.8	3.1	4.1	6.6	4.4	5.5	8.5	6.3	7.1	8.6	6.6	7.6
19	6.8	3.1	4.7	8.5	4.2	6.3	11.4	5.6	8.1	10.2	5.8	7.6
20	6.4	2.6	4.4	8.0	2.8	5.1	8.4	4.8	6.8	12.3	6.2	9.0
21	5.1	3.3	4.3	8.2	2.9	5.4	11.3	4.9	7.8	12.7	5.8	9.2
22	7.0	4.4	5.5	9.0	3.1	5.8	8.6	5.5	7.1	14.4	7.1	10.6
23	5.5	4.4	5.0	9.5	3.5	6.3	8.0	6.3	7.1	14.8	8.0	11.4
24	5.7	3.8	4.7	9.2	4.2	6.7	11.0	6.1	8.4	15.1	8.6	11.7
25	6.0	3.5	4.6	6.4	5.3	5.7	12.7	6.1	9.1	14.6	8.5	11.4
26	5.2	1.5	3.4	7.2	4.7	5.7	10.8	6.0	8.2	14.3	8.1	11.2
27	6.0	1.2	3.5	7.5	3.8	5.6	10.9	6.0	8.2	14.3	8.3	11.2
28	6.1	1.3	3.6	6.5	4.7	5.4	8.0	5.7	6.6	13.5	9.6	11.2
29	---	---	---	7.5	4.6	5.9	7.0	4.9	5.9	11.7	7.5	9.5
30	---	---	---	10.0	4.7	6.7	6.3	5.4	5.9	11.9	6.4	9.2
31	---	---	---	5.4	3.9	4.5	---	---	---	15.5	7.5	11.4
MONTH	7.0	.7	3.5	10.0	1.5	5.4	12.7	2.8	6.7	15.5	4.4	8.8

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.3	9.2	12.6	20.5	14.2	17.1	18.8	12.4	15.8	16.8	13.6	15.4
2	13.2	9.8	10.9	20.7	13.0	16.7	21.4	13.9	17.6	19.4	13.2	16.2
3	9.9	7.3	8.2	21.1	13.1	17.1	20.1	14.4	17.5	19.1	13.2	16.2
4	9.3	7.6	8.2	21.8	14.6	18.2	18.5	14.4	16.6	19.3	13.1	16.3
5	10.9	7.0	9.0	19.8	15.2	17.3	20.8	13.3	17.0	16.6	14.2	15.2
6	11.9	8.5	9.9	17.2	12.7	14.6	22.3	14.6	18.4	16.0	11.3	13.7
7	14.6	8.2	11.1	20.4	12.6	16.3	22.5	15.5	19.0	16.8	11.4	14.0
8	13.3	8.7	11.1	21.1	13.6	17.2	22.2	15.0	18.6	16.6	10.8	13.8
9	14.2	10.3	12.0	21.8	13.9	17.8	22.5	15.2	18.8	17.4	10.9	14.2
10	11.7	9.5	10.5	22.1	14.5	18.3	22.2	15.2	18.7	17.6	11.8	14.7
11	11.5	7.9	9.9	19.3	14.5	17.0	22.2	14.9	18.5	18.4	11.9	15.2
12	10.2	8.5	9.3	20.5	14.2	17.1	21.7	14.9	18.3	18.4	12.5	15.5
13	11.2	7.7	9.2	21.2	14.8	17.7	20.3	16.5	18.4	19.0	13.0	16.1
14	11.7	8.5	10.0	21.2	14.2	17.7	22.1	15.2	18.6	19.3	13.2	16.3
15	15.7	8.9	11.9	18.9	14.0	16.5	22.4	15.4	18.9	19.0	13.2	16.2
16	16.0	8.4	12.2	16.2	13.5	14.4	21.7	15.2	18.5	19.2	13.2	16.3
17	14.3	9.1	11.8	16.3	11.6	13.8	21.3	15.0	18.2	17.4	14.4	15.8
18	16.5	9.0	12.5	17.5	11.6	14.7	20.5	14.9	17.7	17.5	12.7	15.2
19	17.6	9.5	13.5	19.9	12.5	15.9	19.9	13.5	16.7	15.9	11.7	13.9
20	18.2	10.5	14.3	19.2	12.7	15.8	19.6	13.0	16.3	16.5	10.6	13.6
21	19.0	11.3	15.1	18.2	14.3	16.2	19.8	12.9	16.4	15.2	11.0	13.2
22	19.1	12.5	15.8	17.4	13.6	15.5	17.6	14.3	16.0	17.2	10.9	14.0
23	17.1	12.4	14.6	21.1	13.5	17.0	17.3	14.3	15.8	17.9	12.0	15.1
24	14.1	12.0	13.1	19.9	14.1	16.9	19.6	13.3	16.2	17.9	12.7	15.4
25	17.4	10.7	13.9	21.3	13.9	17.5	19.5	12.3	15.9	15.8	12.5	14.5
26	16.8	12.0	14.1	21.3	13.7	17.5	20.4	12.8	16.6	15.6	12.9	14.4
27	14.6	12.6	13.5	21.3	13.8	17.5	20.5	13.9	17.3	16.3	13.1	14.5
28	16.7	12.1	14.1	17.4	13.7	15.1	17.5	14.0	15.8	16.3	13.2	14.6
29	19.8	12.1	15.7	16.4	13.1	14.7	20.5	13.1	16.7	15.8	10.9	13.2
30	19.5	12.8	16.2	17.3	12.0	14.6	20.3	14.2	17.4	15.8	10.5	13.2
31	---	---	---	18.1	13.3	15.5	19.7	14.0	17.0	---	---	---
MONTH	19.8	7.0	12.1	22.1	11.6	16.4	22.5	12.3	17.4	19.4	10.5	14.9

SPECIFIC CONDUCTANCE, MICROSIEMENS/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	242	313	312	226	231	318	153	72	---	182	252	226
2	275	312	300	246	329	307	188	85	---	193	203	234
3	283	303	234	304	332	312	194	99	---	200	286	312
4	303	228	327	297	332	315	191	106	---	198	288	250
5	285	236	327	319	311	290	199	92	---	168	268	324
6	223	271	331	315	296	304	169	---	130	208	203	308
7	---	271	319	326	243	276	152	---	139	213	290	300
8	---	285	330	321	346	217	171	---	141	203	299	225
9	---	294	309	239	337	246	192	---	143	179	267	311
10	---	285	260	316	304	251	182	86	147	218	212	325
11	317	232	331	336	232	265	160	87	150	169	278	332
12	298	305	353	330	249	266	176	76	150	174	262	335
13	314	315	339	330	230	247	195	69	151	205	209	339
14	301	316	294	330	246	201	203	66	154	176	208	331
15	237	320	326	301	282	218	211	64	151	177	211	228
16	310	316	353	244	287	198	216	65	134	231	296	319
17	312	307	318	336	290	233	212	77	158	249	271	332
18	281	240	302	339	294	236	192	85	167	216	217	339
19	251	326	257	324	309	182	161	88	158	191	232	339
20	312	328	333	327	327	150	163	88	142	262	293	334
21	269	326	346	308	345	165	135	102	129	264	314	318
22	281	325	294	257	316	160	170	103	173	266	338	240
23	294	305	314	329	229	186	181	104	176	242	333	345
24	301	229	303	333	302	179	158	89	180	193	308	349
25	280	229	245	326	311	156	130	80	178	303	289	351
26	230	293	343	332	306	146	98	98	170	289	220	347
27	314	280	319	330	308	166	81	77	174	277	304	326
28	314	229	299	301	231	185	60	92	157	251	325	328
29	306	293	290	352	---	178	69	102	167	195	321	315
30	309	300	233	336	---	183	80	111	133	275	342	314
31	312	---	229	304	---	176	---	121	---	273	334	---
MEAN	---	287	305	310	291	223	161	---	---	221	273	309
MAX	---	328	353	352	346	318	216	---	---	303	342	351
MIN	---	228	229	226	229	146	60	---	---	168	203	225

SPOKANE RIVER BASIN

12413470 SOUTH FORK COEUR D'ALENE RIVER NEAR PINEHURST, ID--Continued

TURBIDITY IN NTU, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	390.00	8.30	26.00	8.00	2.10	2.80	4.10	<2.00	<2.00	4.80	<2.00	<2.00
2	31.00	5.90	12.00	3.70	2.00	2.40	4.50	<2.00	<2.00	2.70	<2.00	<2.00
3	22.00	<2.00	<2.00	3.30	<2.00	2.70	<2.00	<2.00	<2.00	2.60	<2.00	<2.00
4	14.00	<2.00	3.40	21.00	2.10	3.20	<2.00	<2.00	<2.00	4.30	<2.00	2.20
5	90.00	<2.00	3.70	14.00	2.90	5.90	2.80	<2.00	<2.00	6.00	<2.00	<2.00
6	37.00	<2.00	<2.00	6.40	2.90	3.50	<2.00	<2.00	<2.00	6.20	<2.00	2.10
7	---	---	---	5.70	<2.00	2.80	<2.00	<2.00	<2.00	8.00	<2.00	<2.00
8	---	---	---	5.60	<2.00	2.90	8.60	<2.00	<2.00	3.70	<2.00	<2.00
9	---	---	---	5.00	2.30	2.90	8.60	<2.00	<2.00	3.80	<2.00	<2.00
10	---	---	---	3.90	2.30	3.00	<2.00	<2.00	<2.00	2.40	<2.00	<2.00
11	18.00	<2.00	<2.00	5.40	2.40	2.80	8.80	<2.00	<2.00	5.40	<2.00	<2.00
12	3.10	<2.00	<2.00	6.70	2.30	3.00	5.10	<2.00	<2.00	3.10	<2.00	<2.00
13	4.50	<2.00	2.10	5.40	2.60	3.00	4.70	<2.00	<2.00	3.10	<2.00	<2.00
14	4.40	<2.00	2.00	3.90	2.60	3.20	2.80	<2.00	<2.00	5.60	<2.00	<2.00
15	3.00	<2.00	<2.00	12.00	2.40	3.20	14.00	<2.00	4.30	3.60	<2.00	<2.00
16	5.40	<2.00	<2.00	6.80	2.40	3.10	3.80	<2.00	<2.00	2.70	<2.00	<2.00
17	4.60	<2.00	<2.00	4.30	2.30	2.60	37.00	2.00	3.40	2.40	<2.00	<2.00
18	3.50	<2.00	<2.00	3.90	2.00	2.50	6.60	<2.00	<2.00	4.60	<2.00	<2.00
19	14.00	<2.00	2.10	3.10	<2.00	<2.00	16.00	<2.00	<2.00	21.00	<2.00	<2.00
20	5.50	<2.00	<2.00	3.00	<2.00	<2.00	9.50	<2.00	<2.00	3.60	<2.00	<2.00
21	23.00	2.60	7.40	3.70	<2.00	<2.00	15.00	<2.00	<2.00	12.00	<2.00	<2.00
22	8.90	<2.00	2.20	6.50	<2.00	<2.00	6.30	<2.00	<2.00	4.40	<2.00	<2.00
23	9.50	<2.00	2.10	3.70	<2.00	<2.00	4.80	<2.00	<2.00	14.00	<2.00	<2.00
24	35.00	<2.00	2.30	2.70	<2.00	<2.00	2.30	<2.00	<2.00	3.50	<2.00	<2.00
25	5.50	<2.00	2.20	3.10	<2.00	<2.00	4.30	<2.00	<2.00	25.00	<2.00	<2.00
26	6.40	<2.00	<2.00	8.10	<2.00	<2.00	150.00	<2.00	<2.00	6.30	<2.00	<2.00
27	3.40	<2.00	2.40	2.80	<2.00	<2.00	7.60	<2.00	<2.00	5.90	<2.00	<2.00
28	5.10	<2.00	2.60	4.70	<2.00	<2.00	16.00	<2.00	<2.00	9.40	<2.00	<2.00
29	5.10	2.30	2.90	2.80	<2.00	<2.00	8.10	<2.00	<2.00	7.00	<2.00	<2.00
30	4.20	2.00	2.80	<2.00	<2.00	<2.00	3.50	<2.00	<2.00	60.00	<2.00	<2.00
31	4.50	<2.00	2.50	---	---	---	3.40	<2.00	<2.00	2.80	<2.00	<2.00
MAX	---	---	---	21.00	2.90	5.90	150.00	2.00	4.30	60.00	<2.00	2.20
MIN	---	---	---	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	2.40	<2.00	<2.00

DAY	MAX	MIN	EDIAN	MAX	MIN	EDIAN	MAX	MIN	EDIAN	MAX	MIN	EDIAN
	FEBRUARY			MARCH			APRIL			MAY		
1	2.00	<2.00	<2.00	140.00	<2.00	2.50	5.50	<2.00	3.10	58.00	6.50	15.00
2	6.60	<2.00	2.20	15.00	<2.00	2.50	4.50	2.30	3.20	21.00	3.20	7.30
3	4.70	<2.00	<2.00	2.80	<2.00	<2.00	8.50	2.00	3.30	24.00	3.30	9.50
4	2.70	<2.00	<2.00	5.20	<2.00	<2.00	13.00	2.30	3.30	37.00	2.10	3.70
5	10.00	<2.00	2.60	4.70	<2.00	2.20	8.10	<2.00	2.60	76.00	2.30	6.10
6	4.10	<2.00	2.10	8.50	2.00	3.10	5.00	2.00	3.30	---	---	---
7	3.30	<2.00	<2.00	15.00	2.80	4.20	6.40	<2.00	2.70	---	---	---
8	6.80	<2.00	<2.00	27.00	4.10	6.90	9.00	3.20	3.70	---	---	---
9	2.80	<2.00	<2.00	27.00	8.00	12.00	5.40	<2.00	3.60	---	---	---
10	15.00	<2.00	<2.00	120.00	4.30	7.50	3.00	<2.00	<2.00	>1000.00	2.30	6.60
11	4.80	<2.00	<2.00	33.00	3.30	5.20	4.40	<2.00	<2.00	>1000.00	2.50	7.10
12	2.80	<2.00	<2.00	8.20	2.30	4.50	2.50	<2.00	<2.00	12.00	2.20	3.50
13	8.40	<2.00	<2.00	34.00	2.90	7.00	2.20	<2.00	<2.00	82.00	4.50	9.30
14	<2.00	<2.00	<2.00	180.00	4.80	9.50	7.90	<2.00	<2.00	14.00	5.50	9.40
15	3.00	<2.00	<2.00	11.00	2.20	5.50	210.00	<2.00	<2.00	27.00	8.20	11.00
16	5.10	<2.00	2.00	8.60	2.20	4.00	140.00	<2.00	<2.00	170.00	3.70	9.40
17	2.30	<2.00	<2.00	5.90	<2.00	3.00	6.80	<2.00	<2.00	9.50	2.30	4.00
18	2.40	<2.00	2.00	6.30	<2.00	2.80	180.00	<2.00	2.60	7.50	<2.00	3.20
19	4.50	<2.00	2.00	81.00	3.10	25.00	5.80	<2.00	3.00	7.30	<2.00	<2.00
20	3.50	<2.00	2.00	63.00	3.90	8.50	4.30	<2.00	2.60	4.70	<2.00	<2.00
21	4.60	<2.00	2.30	5.90	2.60	3.40	19.00	<2.00	<2.00	2.90	<2.00	<2.00
22	8.80	<2.00	2.70	6.40	2.10	3.10	130.00	<2.00	3.30	7.40	<2.00	<2.00
23	7.70	2.40	3.60	15.00	2.10	3.70	4.20	<2.00	<2.00	6.40	<2.00	<2.00
24	6.20	<2.00	2.30	12.00	2.80	4.00	8.10	<2.00	2.70	7.00	2.20	3.70
25	5.10	2.10	2.60	11.00	4.40	6.30	19.00	3.40	8.40	13.00	<2.00	4.20
26	220.00	<2.00	2.70	11.00	2.50	5.60	51.00	14.00	24.00	8.40	<2.00	2.70
27	4.20	<2.00	2.10	9.20	<2.00	2.70	170.00	25.00	39.00	5.50	<2.00	2.50
28	16.00	<2.00	2.00	5.90	<2.00	2.50	140.00	21.00	42.00	5.30	<2.00	2.90
29	---	---	---	4.10	<2.00	<2.00	73.00	8.40	13.00	9.40	<2.00	2.30
30	---	---	---	8.60	<2.00	<2.00	29.00	6.00	11.00	8.00	<2.00	2.10
31	---	---	---	7.60	<2.00	2.50	---	---	---	14.00	<2.00	2.00
MAX	220.00	2.40	3.60	180.00	8.00	25.00	210.00	25.00	42.00	---	---	---
MIN	<2.00	<2.00	<2.00	2.80	<2.00	<2.00	2.20	<2.00	<2.00	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

SPOKANE RIVER BASIN

12413470 SOUTH FORK COEUR D'ALENE RIVER NEAR PINEHURST, ID--Continued

TURBIDITY IN NTU, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	EDIAN	MAX	MIN	MEDIAN	MAX	MIN	EDIAN	MAX	MIN	EDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	26.00	4.70	14.00	2.70	<2.00	<2.00	<2.00	<2.00	<2.00
2	---	---	---	39.00	10.00	24.00	3.00	<2.00	<2.00	2.60	<2.00	<2.00
3	---	---	---	48.00	<2.00	30.00	2.90	<2.00	<2.00	3.10	<2.00	<2.00
4	---	---	---	31.00	<2.00	4.30	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
5	---	---	---	2.20	<2.00	<2.00	<2.00	<2.00	<2.00	31.00	<2.00	<2.00
6	<2.00	<2.00	<2.00	5.10	<2.00	<2.00	18.00	<2.00	<2.00	<2.00	<2.00	<2.00
7	<2.00	<2.00	<2.00	2.40	<2.00	<2.00	43.00	<2.00	<2.00	16.00	<2.00	<2.00
8	4.20	<2.00	<2.00	2.00	<2.00	<2.00	3.00	<2.00	<2.00	2.70	<2.00	<2.00
9	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	4.10	<2.00	<2.00	2.30	<2.00	<2.00
10	2.30	<2.00	<2.00	<2.00	<2.00	<2.00	3.60	<2.00	<2.00	2.70	<2.00	<2.00
11	3.40	<2.00	<2.00	3.80	<2.00	<2.00	3.90	<2.00	<2.00	14.00	<2.00	<2.00
12	3.70	<2.00	<2.00	48.00	<2.00	<2.00	3.40	<2.00	<2.00	4.90	<2.00	<2.00
13	2.80	<2.00	<2.00	8.10	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
14	4.50	<2.00	<2.00	<2.00	<2.00	<2.00	7.10	<2.00	<2.00	2.40	<2.00	<2.00
15	4.20	<2.00	<2.00	2.70	<2.00	<2.00	3.90	<2.00	<2.00	<2.00	<2.00	<2.00
16	120.00	<2.00	<2.00	4.60	<2.00	<2.00	2.10	<2.00	<2.00	<2.00	<2.00	<2.00
17	2.90	<2.00	<2.00	8.70	<2.00	<2.00	>1000.00	<2.00	<2.00	<2.00	<2.00	<2.00
18	3.60	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	5.20	<2.00	<2.00
19	3.00	<2.00	<2.00	85.00	<2.00	<2.00	5.70	<2.00	<2.00	6.10	<2.00	<2.00
20	4.10	<2.00	<2.00	16.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
21	<2.00	<2.00	<2.00	>1000.00	<2.00	12.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
22	11.00	<2.00	<2.00	>1000.00	610.00	>1000.00	4.10	<2.00	<2.00	2.90	<2.00	<2.00
23	<2.00	<2.00	<2.00	>1000.00	<2.00	450.00	<2.00	<2.00	<2.00	3.00	<2.00	<2.00
24	4.20	<2.00	<2.00	190.00	<2.00	3.20	2.70	<2.00	<2.00	<2.00	<2.00	<2.00
25	4.40	<2.00	<2.00	970.00	<2.00	<2.00	2.30	<2.00	<2.00	8.40	<2.00	<2.00
26	6.00	<2.00	<2.00	<2.00	<2.00	<2.00	5.60	<2.00	<2.00	4.40	<2.00	<2.00
27	6.90	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	3.30	<2.00	<2.00
28	8.10	2.00	3.60	2.20	<2.00	<2.00	<2.00	<2.00	<2.00	140.00	<2.00	2.40
29	5.20	2.00	4.00	15.00	<2.00	<2.00	13.00	<2.00	<2.00	2.70	<2.00	<2.00
30	11.00	3.90	5.80	2.70	<2.00	<2.00	89.00	<2.00	<2.00	9.40	<2.00	<2.00
31	---	---	---	2.50	<2.00	<2.00	2.70	<2.00	<2.00	---	---	---
MAX	---	---	---	>1000.00	610.00	>1000.00	>1000.00	<2.00	<2.00	140.00	<2.00	2.40
MIN	---	---	---	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown