SALMON RIVER BASIN

13313000 JOHNSON CREEK AT YELLOW PINE, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-1981, November 1991 to September 1992, April 1994 to September 1995, May 1997.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT DIS-CHARGE, BEDLOAD (TONS/DAY) (80225)	NUMBER OF SAM-PLING POINTS (COUNT) (00063)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)	SAM-PLING METHOD, CODES (82398)	BAG MESH SIZE BEDLOAD SAMPLER (MM) (30333)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .062 MM (80226)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .125 MM (80227)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .250 MM (80228)
MAY											
18...	1315	3430	34	20	85.0	1100	1000	0.250	0.1	0.3	30
18...	1350	3430	131	20	85.0	1100	1000	0.250	0.1	0.6	48

DATE	SED. BEDLOAD SIEVE DIAM. % FINER THAN .500 MM (80229)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 1.00 MM (80230)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 2.00 MM (80231)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 4.00 MM (80232)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 8.00 MM (80233)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 16.0 MM (80234)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 32.0 MM (80235)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 64.0 MM (80236)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAY											
18...	100	300	100	51	16	0	0	0	--	--	--
18...	200	400	300	100	100	60	300	0	36	333	18

SALMON RIVER BASIN

13313000 JOHNSON CREEK AT YELLOW PINE, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-1981, 1992, 1995, April to September 1998 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June to September, 1998 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 18.0 ^{o}C July 18, Aug. 5.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	12.6	9.7	11.1	14.7	11.4	12.9	14.3	10.5	12.8
2	---	---	---	12.8	9.4	11.3	16.7	10.9	13.8	14.5	10.3	12.8
3	---	---	---	13.4	10.2	11.9	17.4	11.4	14.5	14.3	10.3	12.8
4	---	---	---	13.3	10.0	11.7	17.7	11.7	14.9	14.5	10.6	12.9
5	---	---	---	13.7	10.5	12.0	18.0	12.6	15.5	13.6	11.2	12.0
6	---	---	---	14.2	10.0	12.1	16.4	12.6	14.6	14.0	10.9	12.6
7	---	---	---	14.8	10.8	12.8	17.2	12.5	14.9	14.7	12.2	13.5
8	---	---	---	14.0	11.2	12.7	16.2	10.8	13.9	14.0	12.5	13.5
9	---	---	---	14.7	11.1	13.0	15.8	10.6	13.5	13.7	12.0	12.8
10	---	---	---	15.1	11.5	13.2	16.1	11.4	14.1	14.3	11.7	12.9
11	---	---	---	14.8	11.4	13.1	16.1	11.1	14.0	14.8	11.1	13.0
12	---	---	---	15.4	10.3	12.9	16.4	11.1	14.1	14.7	11.1	13.1
13	---	---	---	15.8	10.8	13.3	16.7	11.7	14.6	13.6	10.0	12.3
14	---	---	---	15.8	10.8	13.2	16.6	11.7	14.5	13.3	9.4	11.8
15	---	---	---	16.4	10.8	13.6	16.1	11.9	14.2	13.3	9.4	11.7
16	---	---	---	16.7	11.1	14.0	15.8	11.7	14.0	13.1	10.0	11.9
17	---	---	---	17.4	11.5	14.5	14.2	11.2	12.7	12.6	10.5	11.9
18	---	---	---	18.0	12.3	15.1	13.9	9.3	12.0	12.6	10.8	11.7
19	---	---	---	17.4	11.7	14.7	13.6	8.7	11.7	10.9	9.6	10.4
20	---	---	---	17.4	11.5	14.6	14.0	10.6	12.8	10.8	8.7	9.7
21	---	---	---	17.2	11.2	14.3	14.3	9.7	12.4	11.1	7.9	9.5
22	---	---	---	17.2	11.2	14.3	14.2	9.9	12.3	9.9	6.9	8.5
23	---	---	---	17.2	11.4	14.4	12.6	9.4	11.3	9.7	6.3	8.4
24	---	---	---	17.0	13.7	15.2	13.3	8.8	11.3	9.7	6.5	8.5
25	---	---	---	17.2	12.5	14.8	13.1	8.5	11.3	9.4	8.2	8.8
26	8.0	6.8	7.5	16.1	12.8	14.7	12.2	8.8	10.7	10.0	7.7	8.9
27	9.9	5.2	7.5	15.9	12.5	14.4	13.3	8.5	11.1	9.4	6.3	8.4
28	11.1	6.8	9.0	16.1	12.9	14.5	13.6	9.1	11.8	10.2	6.8	8.8
29	11.4	7.7	9.7	15.4	11.7	13.7	13.9	9.7	12.2	10.2	7.1	9.1
30	12.5	8.8	10.7	15.4	11.9	13.6	14.0	9.9	12.3	9.9	6.8	8.8
31	---	---	---	14.3	11.7	13.3	14.2	9.9	12.4	---	---	---
MONTH	---	---	---	18.0	9.4	13.5	18.0	8.5	13.1	14.8	6.3	11.1

WATER-QUALITY RECORDS

COLLECTION METHODS.--Composite of 5, 0.25 m^2 samples. Richest targeted habitat--riffles.
MESH SIZE.--425 um.
AVERAGE DEPTH.--0.97 ft/s.
AVERAGE PERCENT SHADING.--77.
AVERAGE VELOCITY.--1.78 cfs.
SUBSTRATE EMBEDDEDNESS CLASS RANGE.--4-5.
PERCENT FINES RANGE.--0-5.
HABITAT QUALITY INDEX.--82.

BIOLOGICAL DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM **TAXON** *GENUS SPECIES*	DATE SEP 3	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION	FUNC-TIONAL FEEDING GROUP	POLLU-TION TOLER-ANCE VALUE
NON-INSECTS					
Enchytraeidae		19	0.7	CG	10
Rhynchelmis brooksi		5	0.2	CG	8
EPHEMEROPTERA					
Baetis tricaudatus		230	8.1	CG	6
Caudatella-early instar		130	4.6	CG	1
Drunella doddsi		62	2.2	CG	0
Drunella grandis/spinifera		19	0.7	CG	0
Ephemerella inermis/infrequens		72	2.5	CG	1
Cinygmula		254	9.0	SC	4
Epeorus albertae		58	2.0	SC	1
Epeorus grandis		43	1.5	SC	0
Rhithrogena		384	13.6	SC	0
Paraleptophlebia		29	1.0	CG	4
Ameletus		10	0.3	CG	0
PLECOPTERA					
Chloroperlidae		19	0.7	PR	1
Sweltsa		101	3.6	PR	1
Zapada cinctipes		10	0.3	SH	2
Calineuria californica		10	0.3	PR	2
Claassenia sabulosa		14	0.5	PR	3
Hesperoperla pacifica		34	1.2	PR	2
Perlodidae-early instar		5	0.2	PR	2
Pteronarcys californica		10	0.3	OM	1
TRICHOPTERA					
Arctopsyche grandis		326	11.5	PR	1
Brachycentrus americanus		53	1.9	OM	1
Micrasema		10	0.3	MH	1
Glossosoma		226	8.0	SC	1
Hydropsyche		72	2.5	CF	4
Lepidostoma-sand case larva		5	0.2	SH	1
Apatania		5	0.2	SC	1
Dolophilodes		58	2.0	CF	2
Rhyacophila Angelita Gr.		10	0.3	PR	0
Rhyacophila Coloradensis Gr.		10	0.3	PR	2
Neophylax rickeri		5	0.2	SC	2
COLEOPTERA					
Heterlimnius		5	0.2	CG	4
Narpus		19	0.7	CG	4
Optioservus		120	4.2	SC	4
Zaitzevia		14	0.5	CG	4
DIPTERA					
Atherix		5	0.2	PR	4
Antocha		10	0.3	CG	3
Hexatoma		14	0.5	PR	2
Rhabdomastix		5	0.2	UN	3
CHIRONOMIDAE					
Chironomidae-pupae		34	1.2	UN	6
Cricotopus Bicinctus Gr.		5	0.2	CG	7
Cricotopus Nostococladius		5	0.2	PH	3
Diamesa		38	1.4	CG	5
Eukiefferiella		106	3.7	OM	8
Hydrobaenus		19	0.7	CG	8
Orthocladius Complex		38	1.4	CG	6
Pagastia		19	0.7	CG	1
Rheocricotopus		29	1.0	OM	6
Thienemanniella		10	0.3	CG	6
Tvetenia Bavarica Gr.		43	1.5	CG	5

TOTAL NUMBER OF TAXA 51
TOTAL NUMBER OF ORGANISMS 2832/m^2
HILSENHOFF BIOTIC INDEX 2.55
EPT ABUNDANCE 2270/m^2
NUMBER EPT TAXA 30
SHANNON DIVERSITY INDEX (H) 3.13

13313000 JOHNSON CREEK AT YELLOW PINE, ID--Continued

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

REACH LENGTH.--322 m.

AVERAGE WIDTH.--20 m.

HABITAT QUALITY INDEX.--82.

BIOLOGICAL DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM **TAXON** *GENUS SPECIES*	DATE SEP 3	NUMBER OF INDIV-IDUALS	PERCENT COMPO-SITION	FUNC-TIONAL FEEDING GROUP	POLLU-TION TOLER-ANCE VALUE
NON-INSECTS					
Nematoda		1	0.2	PA	5
Enchytraeidae		25	3.6	CG	10
Pristina jenkinae		2	0.3	CG	8
Lumbriculidae		5	0.7	CG	8
Rhynchelmis brooksi		12	1.7	CG	8
Copepoda		1	0.2	CG	8
EPHEMEROPTERA					
Baetis tricaudatus		59	8.6	CG	6
Diphetor hageni		2	0.3	CG	5
Caudatella-early instar		9	1.3	CG	1
Drunella doddsi		12	1.7	CG	0
Drunella grandis/spinifera		3	0.4	CG	0
Ephemerella inermis/infrequens		47	6.8	CG	1
Cinygmula		69	10.0	SC	4
Epeorus albertae		10	1.5	SC	1
Epeorus grandis		3	0.4	SC	0
Rhithrogena		38	5.5	SC	0
Paraleptophlebia		2	0.3	CG	4
Ameletus		4	0.6	CG	0
PLECOPTERA					
Capniidae		3	0.4	SH	1
Chloroperlidae		3	0.4	PR	1
Sweltsa		16	2.3	PR	1
Zapada cinctipes		1	0.2	SH	2
Calineuria californica		2	0.3	PR	2
Claassenia sabulosa		1	0.2	PR	3
Hesperoperla pacifica		12	1.7	PR	2
Perlodidae-early instar		1	0.2	PR	2
Pteronarcys californica		2	0.3	OM	1
Taeniopterygidae		2	0.3	OM	2
TRICHOPTERA					
Arctopsyche grandis		29	4.2	PR	1
Brachycentrus americanus		17	2.5	OM	1
Micrasema		7	1.0	MH	1
Glossosoma		34	4.9	SC	1
Hydropsyche		8	1.2	CF	4
Lepidostoma-sand case larva		6	0.9	SH	1
Apatania		7	1.0	SC	1
Dolophilodes		7	1.0	CF	2
Neophylax rickeri		1	0.2	SC	2
Oligophlebodes		1	0.2	SC	0
COLEOPTERA					
Dytiscidae		1	0.2	PR	5
Heterlimnius		1	0.2	CG	4
Optioservus		33	4.8	SC	4
Zaitzevia		2	0.3	CG	4
DIPTERA					
Atherix		4	0.6	PR	4
Blephariceridae		2	0.3	SC	0
Simulium		3	0.4	CF	6
Antocha		8	1.2	CG	3
Hexatoma		1	0.2	PR	2
CHIRONOMIDAE					
Chironomidae-pupae		5	0.7	UN	6
Boreoheptagyia		2	0.3	CG	6
Cricotopus		2	0.3	CG	7
Diamesa		18	2.6	CG	5
Eukiefferiella		15	2.2	OM	8
Hydrobaenus		3	0.4	CG	8
Orthocladius Complex		57	8.3	CG	6
Pagastia		5	0.7	CG	1
Rheocricotopus		15	2.2	OM	6
Stempellinella		2	0.3	UN	4
Symposiocladius		2	0.3	SH	5
Thienemanniella		8	1.2	CG	6
Thienemannimyia Gr.		2	0.3	PR	6
Tvetenia Bavarica Gr.		33	4.8	CG	5

TOTAL NUMBER OF TAXA	61	EPT ABUNDANCE	418
TOTAL NUMBER OF ORGANISMS	688	NUMBER EPT TAXA	32
HILSENHOFF BIOTIC INDEX	3.66		

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-1981, 1992, 1995, April to September 1998, April to September 2001 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: June to September 1998, April to September 2001 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 19.0 °C July 12, 2001.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 19.0 °C July 12.

WATER-QUALITY DATA, APRIL 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)
APR										
10...	1500	73	79	7.7	4.0	3.0	1.2	11.6	103	<1
MAY										
09...	1720	521	41	7.5	17.5	7.0	1.6	10.3	101	S1
JUN										
06...	1510	391	48	7.5	17.0	8.4	1.4	10.3	104	S1
JUL										
11...	1300	81	76	8.1	27.0	15.4	.8	8.8	105	10
AUG										
07...	1600	53	92	8.4	33.5	17.0	1.4	11.5	141	S3
SEP										
18...	1410	53	91	8.0	22.5	12.0	7.8	10.3	114	S2

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)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
SEP													
18...	42.7	13.5	2.19	2.9	12.5	.84	55	0	45	2.9	.6	.2	11.6

DATE	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, 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 ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR										
10...	--	--	--	.004	E.06	.009	<.007	.005	<1	--
MAY										
09...	--	--	--	<.002	.15	<.005	<.007	.009	3	4.2
JUN										
06...	--	--	--	.004	E.07	.005	<.007	.006	1	1.1
JUL										
11...	--	--	--	.008	.11	.007	<.007	.005	1	.22
AUG										
07...	--	--	--	.002	.14	.006	<.007	E.004	1	.14
SEP										
18...	61.9	.084	8.9	.004	.11	.011	<.007	.005	<1	--

E Estimated value
S Most probable value

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	4.8	2.6	3.7
2	---	---	---	---	---	---	---	---	---	5.2	2.1	3.4
3	---	---	---	---	---	---	---	---	---	7.6	1.4	4.2
4	---	---	---	---	---	---	---	---	---	9.0	3.2	5.9
5	---	---	---	---	---	---	---	---	---	8.7	5.2	6.8
6	---	---	---	---	---	---	---	---	---	7.4	2.7	5.2
7	---	---	---	---	---	---	---	---	---	8.7	3.2	5.8
8	---	---	---	---	---	---	---	---	---	7.7	4.3	6.3
9	---	---	---	---	---	---	---	---	---	7.4	4.3	6.0
10	---	---	---	---	---	---	---	---	---	8.3	3.5	5.9
11	---	---	---	---	---	---	4.1	1.9	3.2	8.8	3.8	6.4
12	---	---	---	---	---	---	5.4	2.7	3.9	9.4	4.6	7.0
13	---	---	---	---	---	---	4.3	2.9	3.7	8.0	5.5	6.7
14	---	---	---	---	---	---	6.3	2.1	4.2	6.9	4.8	6.0
15	---	---	---	---	---	---	6.5	2.9	4.8	6.0	4.3	5.1
16	---	---	---	---	---	---	7.7	3.2	5.6	7.3	4.9	5.9
17	---	---	---	---	---	---	8.5	4.6	6.7	7.3	3.8	5.7
18	---	---	---	---	---	---	8.2	4.8	6.8	8.7	5.9	7.2
19	---	---	---	---	---	---	7.3	4.3	5.8	8.2	5.1	6.9
20	---	---	---	---	---	---	5.5	3.8	4.8	8.7	5.5	7.1
21	---	---	---	---	---	---	6.9	3.4	5.1	9.3	4.3	6.8
22	---	---	---	---	---	---	6.3	2.7	4.9	11.0	5.9	8.4
23	---	---	---	---	---	---	7.1	4.3	5.9	11.4	6.9	9.3
24	---	---	---	---	---	---	9.7	4.3	7.0	12.2	7.9	10.0
25	---	---	---	---	---	---	10.4	4.6	7.8	11.8	8.5	10.3
26	---	---	---	---	---	---	9.6	4.4	7.0	11.9	8.7	10.4
27	---	---	---	---	---	---	7.9	4.1	6.3	12.5	9.0	10.5
28	---	---	---	---	---	---	6.6	3.5	4.7	12.5	8.8	10.7
29	---	---	---	---	---	---	5.4	2.7	4.0	12.2	8.5	10.4
30	---	---	---	---	---	---	5.2	3.8	4.4	11.9	6.9	9.5
31	---	---	---	---	---	---	---	---	---	13.5	8.0	10.8
MONTH	---	---	---	---	---	---	---	---	---	13.5	1.4	7.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.9	8.8	11.5	17.9	11.6	15.0	15.3	9.7	12.7	14.5	10.5	12.7
2	13.9	10.7	12.2	18.5	12.5	15.9	16.9	11.1	14.2	15.0	10.4	12.8
3	11.8	8.0	9.1	18.4	12.5	15.9	17.1	12.2	14.7	15.0	10.2	12.8
4	8.0	5.4	6.3	18.2	14.7	16.5	16.0	13.6	14.9	13.8	10.2	12.3
5	7.6	4.4	5.9	17.6	14.7	15.6	17.1	11.6	14.4	13.2	10.4	11.8
6	9.7	6.3	7.7	18.2	12.4	15.1	17.9	12.4	15.1	12.4	9.6	10.9
7	11.6	6.8	8.9	16.4	12.8	14.8	16.8	12.7	14.9	10.8	8.2	9.7
8	13.2	8.0	10.5	14.9	13.2	13.9	18.0	12.7	15.3	10.7	6.6	8.9
9	13.0	9.1	11.1	15.5	12.5	14.2	16.9	12.7	14.9	11.8	7.3	9.6
10	13.6	9.1	11.3	18.0	12.1	15.1	17.9	12.7	15.3	12.4	8.0	10.3
11	12.2	9.9	11.1	17.6	13.5	15.8	17.7	13.3	15.3	13.2	9.1	11.2
12	10.4	7.6	8.7	19.0	14.2	16.7	16.4	12.5	14.6	12.7	10.2	11.4
13	10.5	5.9	7.7	17.6	13.9	15.8	16.8	12.7	14.6	14.5	10.8	12.3
14	10.4	5.9	8.1	18.0	12.7	15.5	16.6	12.1	14.4	14.7	11.4	12.8
15	13.0	6.9	9.9	16.6	13.6	14.8	16.9	13.2	14.9	13.6	10.7	12.4
16	13.9	7.4	10.7	14.2	12.2	12.9	17.1	12.4	14.7	13.6	11.6	12.6
17	14.2	9.6	12.0	14.2	10.4	12.3	17.1	12.1	14.6	13.9	10.7	12.4
18	13.6	8.3	11.2	14.1	10.8	12.4	16.8	12.1	14.5	12.8	10.2	11.7
19	14.1	7.6	11.0	16.1	10.4	13.3	16.3	11.6	14.0	12.1	9.1	10.7
20	15.5	8.7	12.2	16.0	12.2	14.2	14.9	10.2	12.7	11.3	7.7	9.7
21	16.9	10.4	13.8	17.1	11.8	14.4	14.9	10.4	12.7	11.0	7.6	9.3
22	17.6	11.3	14.6	16.4	11.4	14.0	14.5	10.4	12.7	11.1	7.3	9.3
23	17.1	11.6	14.6	16.6	11.4	14.0	14.5	10.0	12.2	11.6	8.0	9.9
24	16.3	11.4	14.2	17.4	11.6	14.6	14.7	10.2	12.4	12.4	8.7	10.5
25	15.0	10.2	12.9	17.7	12.2	15.1	15.2	10.0	12.7	11.4	8.7	10.1
26	16.1	11.3	13.8	17.7	12.4	15.1	15.8	10.5	13.2	11.0	7.9	9.6
27	15.2	11.8	13.2	17.4	11.9	14.8	16.4	11.6	13.9	11.3	7.7	9.6
28	16.9	11.3	13.8	16.1	11.9	14.1	15.6	11.1	13.6	11.1	9.1	10.0
29	17.4	10.8	14.3	14.5	10.8	13.0	15.5	10.8	13.3	10.4	7.3	9.0
30	16.3	11.9	14.4	13.2	11.9	12.4	15.0	10.5	12.9	10.2	6.8	8.6
31	---	---	---	13.8	10.7	12.2	14.2	11.0	12.8	---	---	---
MONTH	17.6	4.4	11.2	19.0	10.4	14.5	18.0	9.7	14.0	15.0	6.6	10.8

COLLECTION METHODS.--Electrofishing.

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.

BIOLOGICAL DATA, JULY 2001
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
	July 24								
Cottidae (Sculpins)									
Cottus confusus (Shorthead sculpin)		133	68	35-237	1-121	NATIVE	INVERTIVORE	COLD	133-AA
Cottus rhotheus (Torrent sculpin)		4	2	90-108	8-17	NATIVE	INVERTIVORE	COLD	4-AA
Salmonidae (Trouts)									
Oncorhynchus mykiss sp. (Rainbow trout)		55	28	35-230	1-101	NATIVE	INVERTIVORE	COLD	55-AA
Prosopium williamsoni (Mountain whitefish)		3	2	255-320	133-361	NATIVE	INVERTIVORE	COLD	3-AA

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 4
TOTAL INDIVIDUALS 195