

HENRY'S FORK BASIN

13056500 HENRY'S FORK NEAR REXBURG, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-1982, July 1989 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1995, June to September, 1996 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 23.2 °C, July 26, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 23.2 °C, July 26.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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, (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, FECAL, KF AGAR (COLS./100 ML) (31673)
APR 18...	1045	3010	176	8.1	3.5	6.5	5.1	10.1	99	50	100
MAY 31...	1000	9080	129	7.8	12.5	10.5	6.2	8.2	87	150	140
JUN 27...	1000	4330	166	8.1	22.5	16.0	2.7	7.2	88	95	120
JUL 22...	1335	1280	208	8.0	22.0	18.5	1.5	7.0	89	44	44
AUG 27...	1015	1250	188	7.9	23.0	18.0	1.0	6.8	86	170	65
SEP 23...	1015	2030	196	8.2	7.0	9.5	1.1	8.6	88	50	86

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)	BICAR-BONATE WATER WH FET FIELD (MG/L AS HCO3) (00440)	CAR-BONATE WATER WH FET FIELD (MG/L AS CO3) (00445)	ALKA-LINITY WAT WH TOT FET FIELD (MG/L AS CaCO3) (00410)
SEP 23...	71	19	5.8	12	26	2.1	100	0	85

DATE	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	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)
SEP 23...	4.0	4.6	1.8	28	125	129	0.17	685

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	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)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
APR 18...	<0.01	0.23	<0.015	0.3	0.04	0.01	108	878
MAY 31...	0.01	0.08	<0.015	0.3	0.05	0.01	29	711
JUN 27...	<0.01	0.09	<0.015	<0.2	0.01	<0.01	28	327
JUL 22...	0.01	0.17	0.040	<0.2	<0.01	0.01	8	28
AUG 27...	<0.01	0.18	0.020	<0.2	<0.01	0.01	10	34
SEP 23...	0.02	0.22	<0.015	<0.2	0.01	0.01	8	44

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996												
DAY	MAX	MIN JUNE	MEAN	MAX	MIN JULY	MEAN	MAX	MIN AUGUST	MEAN	MAX	MIN SEPTEMBER	MEAN
1	---	---	---	19.3	17.2	18.2	22.4	19.4	20.8	18.3	16.1	17.1
2	---	---	---	20.2	18.1	19.2	21.1	19.1	20.1	17.5	15.4	16.5
3	---	---	---	19.9	18.6	19.5	19.6	16.7	17.9	17.3	15.0	16.2
4	---	---	---	21.2	19.3	20.2	17.7	15.4	16.5	17.5	15.3	16.4
5	---	---	---	20.6	19.1	19.9	16.7	15.1	15.9	16.7	14.3	15.7
6	---	---	---	19.6	17.7	18.7	17.8	14.6	16.1	14.6	12.2	13.5
7	---	---	---	20.2	18.1	19.2	18.9	15.6	17.2	15.6	12.9	14.2
8	---	---	---	20.7	18.3	19.5	20.1	16.5	18.2	16.1	13.6	14.7
9	---	---	---	21.2	19.1	20.0	20.7	17.3	19.0	16.9	13.9	15.3
10	---	---	---	21.2	18.6	19.9	21.1	17.7	19.5	17.2	14.5	15.9
11	---	---	---	21.7	18.8	20.2	21.4	18.0	19.7	16.7	15.8	16.2
12	---	---	---	22.1	19.3	20.6	21.4	18.6	20.1	18.0	14.6	16.2
13	---	---	---	22.2	19.3	20.8	21.1	18.6	20.0	18.9	16.7	17.7
14	---	---	---	22.2	19.1	20.7	20.6	18.5	19.5	17.7	15.4	16.4
15	---	---	---	21.2	19.4	20.3	21.6	18.0	19.7	15.4	13.9	14.7
16	---	---	---	20.2	18.5	19.3	21.9	18.9	20.4	14.5	11.7	13.1
17	---	---	---	21.1	17.2	19.0	20.9	19.1	19.9	12.2	10.9	11.5
18	---	---	---	20.7	19.1	20.1	19.3	17.3	18.2	11.9	10.5	11.2
19	---	---	---	20.9	18.6	19.7	18.1	15.4	17.0	12.2	10.6	11.4
20	---	---	---	20.1	18.0	19.1	18.6	16.2	17.4	12.8	10.9	11.8
21	---	---	---	20.7	17.3	19.0	18.9	15.9	17.4	13.1	11.4	12.3
22	---	---	---	21.9	18.3	20.0	18.9	16.1	17.5	12.6	11.2	12.1
23	---	---	---	22.6	18.8	20.7	18.9	15.9	17.4	---	---	---
24	---	---	---	22.4	18.8	20.6	19.6	16.2	17.9	---	---	---
25	---	---	---	22.6	18.9	20.8	19.4	16.7	18.1	---	---	---
26	---	---	---	23.2	19.3	21.2	19.9	16.7	18.2	---	---	---
27	---	---	---	23.1	19.9	21.5	19.8	17.8	18.7	---	---	---
28	17.8	15.4	16.3	22.6	19.9	21.4	19.4	17.0	18.2	---	---	---
29	17.2	15.1	16.1	21.4	19.8	20.5	19.8	17.0	18.3	---	---	---
30	18.0	15.8	16.9	22.2	18.8	20.4	19.9	17.2	18.5	---	---	---
31	---	---	---	22.6	19.9	21.2	19.3	17.2	18.3	---	---	---
MONTH	---	---	---	23.2	17.2	20.0	22.4	14.6	18.4	---	---	---

HENRYS FORK BASIN

13056500 HENRYS FORK NR REXBURG, ID--Continued

BIOLOGICAL DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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)	BARIUM, BIOTA, TISSUE, DRY WGT REC (UG/G) (49238)				
AUG	06...	Utah sucker liver	8	1050	47	1.1	<0.2	0.4	<0.1				
DATE		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)	MERCURY BIOTA, TISSUE, DRY WGT REC (UG/G) (49258)		
AUG	06...		<0.2	0.5	0.5	<0.5	<0.2	50	460	<0.2	2.8	0.3	
DATE		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, BIOTA, TISSUE, 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)			
AUG	06...		0.7	<0.2	3.3	0.4	<0.1	<0.2	100	<0.2	66		
DATE													
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)	CIS-CHLOR-DANE, BIOTA, WH ORG WW, REC (UG/KG) (49353)	TRANS-CHLOR-DANE, BIOTA, WH ORG WW, REC (UG/KG) (49380)	HEPTA-HEXA-EPOXIDE BIOTA, WH ORG WW, REC (UG/KG) (49379)	BENZENE ALPHA-CHLORO-BHC, BIOTA, WH ORG WW, REC (UG/KG) (49378)	BETA-BHC, BIOTA, WH ORG WW, REC (UG/KG) (49380)	DELTA-BHC, BIOTA, WH ORG WW, REC (UG/KG) (49377)	O,P'-DDT, BIOTA, WH ORG WW, REC (UG/KG) (49376)	P,P'-DDT, BIOTA, WH ORG WW, REC (UG/KG) (49376)
AUG	06...	Utah sucker	8	984	47	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	17.0	
DATE													
DATE	TIME	ORGANISM											
AUG	06...	E16.0	<5.00	<5.00	290	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
DATE													
DATE		LINDANE WH ORG WW, REC (UG/KG) (49363)	METHOXY CHLOR, O,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49362)	METHOXY 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)	
AUG	06...		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	51.0	<200	13.0	

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID--Continued

BIOLOGICAL DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

FISH COLLECTION DATA

COLLECTION METHODS.--Electrofishing; boat (13A).

LENGTH OF REACH.--730 m.

TIME ELAPSED FOR EACH COLLECTION METHOD.--0.68 hours.

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

HABITAT QUALITY INDEX.--NA.

COMMENTS.--Large river.

ORGANISM FAMILY GENUS SPECIES (COMMON)	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. 06								
Catostomidae (Suckers)								
<i>Catostomus ardens</i> (Utah sucker)	67	31.3	31-530	<1-1569	NATIVE	OMNIVORE	WARM	2-LE, 1-PA 64-AA
Cottidae (Sculpins)								
<i>Cottus bairdi</i> (Mottled sculpin)	9	4.20	30-85	1-12	NATIVE	INVERTIVORE	COLD	9-AA
Cyprinidae (Carps and minnows)								
<i>Richardsonius balteatus</i> (Redside shiner)	87	40.6	35-100	1-10	NATIVE	INVERTIVORE	COLD	87-AA
<i>Rhynchichthys osculus</i> (Speckled dace)	8	3.74	48-60	1-3	NATIVE	INVERTIVORE	COLD	8-AA
<i>Gila atraria</i> (Utah chub)	6	2.80	87-165	7-65	NATIVE	OMNIVORE	WARM	1-ER, 5-AA
<i>Pimephales promelas</i> (Fathead minnow)	32	15.0	47-63	1-4	INTRODUCED	OMNIVORE	WARM	32-AA
Salmonidae (Trouts)								
<i>Oncorhynchus clarki</i> sp. (Cutthroat trout)	1	0.47	370	516	NATIVE	INVERTIVORE	COLD	1-AA
<i>Prosopium williamsoni</i> (Mountain whitefish)	4	1.87	78-265	5-178	NATIVE	INVERTIVORE	COLD	4-AA
TOTAL NUMBER OF TAXA	8							
TOTAL INDIVIDUALS	214							

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-1982, July 1989 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1995, June to September 1996, May 1 to September 30, 1998.

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 24.4 °C July 27, 1998; minimum, 8.1 °C May 15, 1998.

EXTREMES FOR CURRENT PERIOD.--

WATER TEMPERATURE: Maximum, 24.4 °C July 27; minimum, 8.1 °C May 15.

WATER-QUALITY DATA, APRIL TO OCTOBER 1998

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATURATION) (00301)	COLIFORM, FE CAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FE CAL, KF AGAR (COLS. PER 100 ML) (31673)
APR 20...	1340	2430	189	8.6	14.5	11.0	2.5	9.2	98	K6	K4
MAY 18...	1400	7140	128	8.2	14.0	11.5	3.2	11.2	123	K22	39
JUN 22...	1212	6340	151	8.2	21.5	15.0	4.8	9.0	107	54	33
JUL 24...	1245	907	221	8.2	28.0	20.5	2.0	7.1	96	100	52
AUG 28...	1242	1080	180	8.3	19.9	18.0	1.4	7.7	97	55	K10
OCT 19...	1620	2130	186	8.2	14.0	7.5	--	10.0	101	K6	K6
DATE		HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)		POTASSIUM, 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)	
OCT 19...		63	17	5.3	13	30		2.2	97	0	
DATE		ANC WATER UNFLTRD FET FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)		SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	
OCT 19...		80	3.7	4.6	1.8	30		126	.17	725	
DATE		NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)		PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	
APR 20...		<.010	.186	.040	.18	.019		.016	14	92	
MAY 18...		.014	<.050	.056	.26	<.010		.019	16	308	
JUN 22...		.011	.139	<.020	.25	.033		<.010	19	325	
JUL 24...		.011	.193	<.020	.27	.015		.011	12	29	
AUG 28...		<.010	.153	.029	.19	.035		.014	7	20	
OCT 19...		<.010	.163	<.020	.13	.015		.010	6	35	

K Results based on counts outside ideal range.

HENRYS FORK BASIN
13056500 HENRYS FORK NEAR REXBURG, ID--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
			APRIL						MAY			
1	---	---	---	13.3	11.3	12.5						
2	---	---	---	13.2	11.2	12.3						
3	---	---	---	13.3	11.0	12.3						
4	---	---	---	13.5	11.8	12.7						
5	---	---	---	13.5	10.8	12.1						
6	---	---	---	13.6	11.3	12.5						
7	---	---	---	13.2	11.5	12.4						
8	---	---	---	12.7	11.2	12.0						
9	---	---	---	12.2	11.0	11.5						
10	---	---	---	11.5	9.6	10.6						
11	---	---	---	11.8	8.7	10.2						
12	---	---	---	11.3	9.6	10.3						
13	---	---	---	10.2	9.3	9.7						
14	---	---	---	9.7	8.5	9.1						
15	---	---	---	9.9	8.1	9.0						
16	---	---	---	10.4	8.5	9.5						
17	---	---	---	10.7	9.1	9.9						
18	---	---	---	12.1	9.1	10.6						
19	---	---	---	13.3	10.2	11.6						
20	---	---	---	14.4	11.9	13.1						
21	---	---	---	14.4	11.3	12.6						
22	---	---	---	11.3	9.6	10.2						
23	---	---	---	10.2	8.8	9.5						
24	---	---	---	11.9	9.1	10.5						
25	---	---	---	13.3	10.8	12.1						
26	---	---	---	13.3	11.8	12.5						
27	---	---	---	13.5	10.8	12.1						
28	---	---	---	14.1	11.5	12.9						
29	---	---	---	14.7	12.7	13.8						
30	---	---	---	14.6	12.9	13.8						
31	---	---	---	14.9	12.2	13.6						
MONTH	---	---	---	14.9	8.1	11.5						
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
			JUNE			JULY			AUGUST			SEPTEMBER
1	14.9	12.5	13.8	19.2	16.8	17.9	20.5	19.2	19.9	20.5	17.3	18.9
2	15.0	13.3	14.3	19.8	17.3	18.6	21.1	18.5	19.8	20.3	17.6	19.0
3	15.0	12.7	13.5	19.8	17.6	18.8	22.1	19.2	20.5	20.2	16.9	18.7
4	12.7	11.2	11.7	19.8	17.7	18.9	22.3	19.5	20.9	20.0	17.4	18.8
5	12.7	9.7	11.1	20.0	17.9	19.1	23.0	20.0	21.4	20.5	17.4	19.1
6	12.5	10.8	11.7	19.8	17.7	18.9	23.5	20.0	21.7	20.3	18.1	19.3
7	13.8	11.2	12.4	19.7	17.6	18.7	22.5	20.5	21.5	21.1	17.9	19.5
8	14.4	12.4	13.5	20.0	17.6	18.8	22.3	19.0	20.8	21.0	18.5	19.9
9	14.6	13.0	13.8	20.3	18.4	19.5	22.8	19.7	21.1	19.8	18.4	19.0
10	14.6	12.9	13.9	20.2	17.9	18.9	22.5	19.7	21.1	18.4	17.3	17.9
11	15.8	13.3	14.6	20.0	17.6	18.7	22.8	20.2	21.4	18.4	16.1	17.3
12	16.8	14.2	15.6	19.5	17.9	18.8	23.1	20.3	21.6	17.7	16.3	17.4
13	16.6	14.6	15.2	20.0	17.9	19.1	23.0	20.3	21.6	18.2	15.8	16.9
14	15.0	13.2	14.2	20.8	18.5	19.7	22.6	20.2	21.3	18.9	16.5	17.6
15	14.4	12.1	12.9	21.3	18.7	20.0	20.7	18.9	19.8	18.9	16.6	17.8
16	12.5	10.8	11.7	22.0	19.2	20.5	21.1	18.1	19.5	19.2	16.9	18.0
17	12.1	11.0	11.3	22.6	19.4	21.1	20.7	18.7	19.7	18.9	16.9	17.8
18	12.9	10.8	11.8	23.3	19.8	21.7	20.3	19.0	19.5	18.1	15.5	17.2
19	13.5	12.1	12.8	24.2	20.3	22.2	20.8	18.2	19.4	15.5	13.9	14.7
20	14.9	12.1	13.5	24.0	20.5	21.9	20.2	18.5	19.4	15.7	13.6	14.6
21	16.1	13.3	14.7	24.0	20.3	22.2	19.2	17.6	18.4	14.9	13.3	14.2
22	16.6	14.6	15.7	---	---	---	19.4	16.6	17.9	14.4	13.3	13.8
23	16.5	15.0	15.6	---	---	---	18.7	16.8	17.7	14.2	12.4	13.3
24	15.5	13.9	14.6	---	---	---	18.5	16.0	17.2	14.6	12.5	13.6
25	14.6	13.2	13.7	23.0	19.0	21.1	19.0	16.1	17.5	14.4	12.9	13.6
26	14.2	12.5	13.3	24.0	20.5	22.2	18.2	16.6	17.5	14.1	12.9	13.5
27	14.2	12.1	13.2	24.4	21.1	22.7	18.9	15.3	17.1	14.2	12.5	13.5
28	15.5	12.7	14.1	23.3	20.8	22.1	19.5	16.5	18.0	14.7	13.0	13.9
29	17.3	14.6	15.9	23.7	20.5	21.9	19.5	16.6	18.1	14.7	13.0	13.9
30	18.1	15.7	16.9	23.0	20.5	21.6	20.0	17.1	18.6	14.9	13.0	13.9
31	---	---	---	22.1	20.3	21.1	20.2	16.9	18.6	---	---	---
MONTH	18.1	9.7	13.7	---	---	---	23.5	15.3	19.6	21.1	12.4	16.6

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-1982, July 1989 to September 1996, September 1999 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1995, June to September 1996 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum 23.2 °C, July 26, 1996.

COLLECTION METHODS.--Electrofishing; boat (13A).

LENGTH OF REACH.--730 m.

TIME ELAPSED FOR EACH COLLECTION METHOD.--0.95 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.

HABITAT QUALITY INDEX.--NA.

BIOLOGICAL DATA, SEPTEMBER 1999
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
SEP 21									
Catostomidae (Suckers)									
<i>Catostomus adrens</i> (Utah sucker)		56	23.6	43-115	1-18	NATIVE	OMNIVORE	COOL	56-AA
Cyprinidae (Carp and minnows)									
<i>Gila atraria</i> (Utah chub)		3	1.3	145-246	45-201	NATIVE	OMNIVORE	COOL	3-AA
<i>Rhynchichthys osculus</i> (Speckled dace)		5	2.1	30-55	1-4	NATIVE	INVERTIVORE	COOL	5-AA
<i>Richardsonius balteatus</i> (Redside shiner)		145	61.2	28-91	1-10	NATIVE	INVERTIVORE	COOL	145-AA
<i>Pimephales promelas</i> (Fathead minnow)		1	0.4	56	3	INTRODUCED	OMNIVORE	WARM	1-AA
Cottidae (Sculpins)									
<i>Cottis bairdi</i> (Mottled Sculpin)		17	7.2	28-95	1-16	NATIVE	INVERTIVORE	COOL	17-AA
Salmonidae (Trouts)									
<i>Oncorhynchus clarki</i> (Cutthroat trout)		2	0.8	215-510	105-1672	NATIVE	INVERTIVORE	COLD	2-AA
<i>Oncorhynchus mykiss</i> (Rainbow trout)		1	0.4	77	5	^a INTRODUCED	INVERTIVORE	COLD	1-AA
<i>Prosopium williamsoni</i> (Mountain whitefish)		6	2.5	105-112	11-15	NATIVE	INVERTIVORE	COLD	6-AA
<i>Salmo trutta</i> (Brown trout)		1	0.4	103	14	INTRODUCED	INVERTIVORE	COLD	1-AA

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

SUMMARY STATISTICS
TOTAL NUMBER OF TAXA 10
TOTAL INDIVIDUALS 237

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-1982, July 1989 to September 1998, April to September 2000 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1995, June to September 1996, May to September 1998,
April to September 2000 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 24.4 °C, July 27, 1998.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.0 °C, July 31.

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 CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00300)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR											
13...	1218	2330	184	8.1	17.0	10.8	3.0	8.3	90	49	K18
MAY											
22...	1300	3410	123	8.1	21.0	13.6	14	8.5	97	33	46
JUN											
12...	1600	1890	169	8.0	14.6	14.1	1.7	8.2	95	39	61
JUL											
17...	0947	848	199	7.7	24.0	20.6	2.1	6.7	89	110	52
AUG											
28...	1440	635	191	8.2	26.5	17.8	<.5	8.3	104	67	99
SEP											
20...	1044	700	181	8.1	11.0	12.1	.5	7.6	84	110	79
		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 CACO3 (00440)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)		
SEP											
20...		63	16.8	5.00	12.6	29	2.5	100		0	
		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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L AS (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)		
SEP											
20...		83	3.5	5.2	1.9	30.1	128	.17		242	
		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)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)		
APR											
13...		.185	<.002	.26	.172	.002	18		113		
MAY											
22...		.033	.003	.28	.035	.002	19		175		
JUN											
12...		.143	.010	.21	.029	.001	13		66		
JUL											
17...		.131	.006	.30	.034	.005	10		23		
AUG											
28...		.137	.002	.21	.031	.009	7		12		
SEP											
20...		.133	.009	.22	.025	.004	26		49		

K Results based on counts outside ideal colony range.

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 2000

DAY	APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	12.5	10.2	11.3	---	---	---	---	---	---	23.5	20.7	22.2	17.6	15.5	16.6
2	---	---	---	12.7	11.3	12.2	---	---	---	---	---	---	23.7	20.2	21.8	16.8	14.9	15.8
3	---	---	---	13.6	11.6	12.6	---	---	---	---	---	---	22.3	20.0	21.1	16.6	13.6	15.1
4	---	---	---	13.6	11.8	12.4	---	---	---	---	---	---	21.5	19.0	20.2	18.1	15.2	16.5
5	---	---	---	11.9	9.6	10.7	---	---	---	---	---	---	22.7	18.9	20.6	17.6	15.0	16.4
6	---	---	---	9.6	8.7	9.1	---	---	---	---	---	---	21.8	19.0	20.5	16.5	14.1	14.8
7	---	---	---	9.3	8.2	8.6	---	---	---	---	---	---	22.0	18.7	20.4	15.8	12.5	14.2
8	---	---	---	9.6	7.7	8.6	---	---	---	---	---	---	21.6	18.5	20.2	16.1	13.6	14.8
9	---	---	---	9.6	8.5	9.1	---	---	---	---	---	---	22.3	18.7	20.5	14.9	12.9	13.9
10	---	---	---	10.5	8.4	9.4	---	---	---	---	---	---	22.1	19.4	20.7	14.1	11.8	13.0
11	---	---	---	10.4	7.4	8.3	---	---	---	---	---	---	21.1	18.7	20.0	16.3	12.7	14.3
12	---	---	---	8.8	7.0	7.9	---	---	---	---	---	---	21.1	16.9	19.0	17.3	14.2	15.7
13	---	---	---	10.8	7.3	8.9	---	---	---	---	---	---	21.1	17.3	19.2	18.1	14.7	16.3
14	11.3	10.4	10.9	12.5	10.1	11.2	---	---	---	---	---	---	20.7	16.6	18.7	18.4	15.2	16.8
15	11.5	9.4	10.6	13.6	12.1	12.9	---	---	---	---	---	---	20.3	17.1	18.8	18.4	15.5	17.0
16	11.1	9.6	10.3	13.5	12.2	12.8	---	---	---	---	---	---	20.5	16.8	18.7	18.4	15.3	17.0
17	9.9	9.1	9.6	12.2	11.5	11.9	---	---	---	---	---	---	20.3	17.1	18.8	18.9	15.8	17.3
18	9.8	8.5	8.9	14.1	11.1	12.4	---	---	---	---	---	---	18.4	15.0	16.7	21.0	18.7	19.8
19	10.2	8.1	9.0	14.1	12.9	13.5	---	---	---	---	---	---	19.0	16.8	18.1	18.1	15.7	16.7
20	11.3	9.8	10.5	14.7	12.5	13.5	---	---	---	---	---	---	19.7	16.0	17.8	17.1	15.0	16.1
21	12.5	10.2	11.3	15.2	13.5	14.5	---	---	---	---	---	---	18.7	16.9	17.9	15.0	12.4	13.9
22	12.7	11.6	12.2	15.2	13.8	14.5	---	---	---	---	---	---	19.0	15.5	17.2	14.2	12.5	13.5
23	12.7	10.2	11.1	15.7	13.6	14.7	---	---	---	---	---	---	19.8	16.1	17.9	12.5	9.3	10.6
24	10.2	8.5	9.2	15.7	14.1	15.0	---	---	---	---	---	---	20.8	16.6	18.6	9.8	7.6	8.7
25	9.0	7.4	8.1	15.7	13.9	14.7	---	---	---	---	---	---	22.0	18.4	20.0	10.8	7.9	9.3
26	10.8	7.4	8.8	14.7	13.3	14.2	---	---	---	---	---	---	22.0	18.2	20.1	11.3	8.5	9.9
27	12.7	9.4	10.7	14.6	12.1	13.2	---	---	---	---	---	---	21.0	17.9	19.6	11.8	9.0	10.4
28	12.9	11.5	12.4	13.8	12.5	13.4	---	---	---	---	---	---	20.3	16.8	18.5	12.4	9.4	10.9
29	12.7	10.2	11.1	14.7	12.5	13.6	---	---	---	---	---	---	19.4	16.0	17.7	13.0	10.1	11.5
30	11.8	9.0	10.3	15.3	12.7	14.0	---	---	---	---	---	---	19.7	15.5	17.7	13.9	11.6	12.7
31	---	---	---	15.3	12.7	13.8	---	---	---	---	---	---	18.5	16.3	17.2	13.3	12.1	12.7
MONTH	---	---	---	15.7	7.0	12.0	---	---	---	---	---	---	23.7	15.0	19.2	18.9	7.6	14.1

HENRYS FORK BASIN

13056500 HENRYS FORK NEAR REXBURG, ID--Continued

COLLECTION METHODS.--Electrofishing; boat (13A).

LENGTH OF REACH.--730 m.

TIME ELAPSED FOR EACH COLLECTION METHOD.--0.33 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.

BIOLOGICAL DATA, JULY 2000
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 27									
Catostomidae (Suckers)									
<i>Catostomus ardens</i> (Utah sucker)		80	29.4	82-575	8-1944	NATIVE	OMNIVORE	COOL	1-NE, 79-AA
Cottidae (Sculpins)									
<i>Cottus bairdi</i> (Mottled sculpin)		14	5.1	58-105	3-26	NATIVE	INVERTIVORE	COLD	1-BL, 13-AA
Cyprinidae (Carp and minnows)									
<i>Gila atraria</i> (Utah chub)		47	17.3	45-146	1-48	NATIVE	OMNIVORE	COOL	47-AA
<i>Pimephales promelas</i> (Fathead minnow)		4	1.5	45-60	1-4	INTRODUCED	OMNIVORE	WARM	4-AA
<i>Rhinichthys osculus</i> (Speckled dace)		29	10.7	35-71	1-6	NATIVE	INVERTIVORE	COLD	29-AA
<i>Richardsonius balteatus</i> (Redside shiner)		91	33.4	36-95	1-11	NATIVE	INVERTIVORE	COLD	91-AA
Salmonidae (Trouts)									
<i>Oncorhynchus clarki</i> sp. (Cutthroat trout)		1	0.4	51	2	NATIVE	INVERTIVORE	COLD	1-AA
<i>Oncorhynchus mykiss</i> sp. (Rainbow trout)		2	0.7	150-208	30-90	^a INTRODUCED	INVERTIVORE	COLD	2-AA
<i>Prosopium williamsoni</i> (Mountain whitefish)		2	0.7	90-108	8-11	NATIVE	INVERTIVORE	COLD	2-AA
<i>Salmo trutta</i> (Brown trout)		2	0.7	150-192	30-78	INTRODUCED	INVERTIVORE	COLD	2-AA
TOTAL NUMBER OF TAXA	10								
TOTAL INDIVIDUALS	272								

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