

WOODRAT MOUNTAIN STUDY

Clearwater County

Data Collected 1972-1977

Final Summary October 1980

**Department of Health and Welfare
Division of Environment
Statehouse
Boise, Idaho 83720**

**Water Quality Summary
No. 3**

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Clearwater County

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SUMMARY OF WOODRAT MOUNTAIN STUDY

From 1972 through 1977 eight streams in the Woodrat Mountain area of Clearwater County have been monitored to collect water quality data. The purpose of the study was to obtain baseline data on the drainages prior to the development of a Kyanite mining and milling operation. During the study information was collected on the following parameter categories.

Temperature	Solids
Dissolved Oxygen	Select Ions
pH	Nutrients
Bacteria	Trace Inorganic Toxins

The streams which were monitored in the study include the following:

Little Smith Creek	Suttler Creek
Big Smith Creek	Rat Creek
Pete King Creek	Stray Creek
Maggie Creek	Yakus Creek

With limited seasonal data the streams were generally found to meet existing water quality standards and recommended instream criteria, however, a few anomalous problems were noted at several locations. In August of 1977 all of the streams except Big Smith Creek exceeded the recommended instream criteria for iron of 300 ug/l. Pete King Creek and Maggie Creek also exceeded the iron criteria in November of 1976. In

addition, bacteria violations for primary contact recreation were noted in Maggie Creek, Suttler Creek, Rat Creek, Stray Creek, and Yakus Creek, during August of 1977. Manganese was also found to exceed a secondary standard for drinking water of 50 ug/l in Maggie Creek, Suttler Creek, Stray Creek, and Yakus Creek in August of 1979. Elevated aluminum concentrations were also noted in Suttler Creek (500 to 1100 ug/l) in August of 1977. Arsenic, cadmium, chromium, copper, zinc, and mercury concentrations were below recommended criteria in all the streams at all sampling times. Since all of the water quality problems were found to occur during an abnormally low water year, they are assumed to be drought related.

The commencement of mining operations has been postponed indefinitely, but with eventual area development the background data will prove valuable for establishing water quality related effluent limits and to judge the future impacts of mining.

DATA INVENTORY

2020074
 46 10 05.0 115 44 35.0 2
 LITTLE SMITH CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004
 0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 0010
 MILES 0324.30 0139.30 090.70 001.00

PARAMETER	TEMP	CENT	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER	TEMP	CENT	9	7.57777	18.3644	4.28538	.565519	1.42846	13.5000	1.70000	72/09/07	77/08/24
00061 STREAM	FLOW,	INST-CFS	3	2.07333	1.26564	1.12501	.391534	.649523	4.00000	1.75000	75/07/01	77/03/16
00070 TURB	JKSN	JTU	9	1.86666	.580006	.761581	.407990	.253860	3.00000	1.00000	72/09/07	77/08/24
00094 CONDUCTVY	FIELD	MICROMHO	1	85.0000					85.0000	85.0000	74/09/11	74/09/11
00095 CONDUCTVY	AT 25C	MICROMHO	9	84.6667	324.254	18.0070	.212682	6.00235	108.000	56.0000	72/09/07	77/08/24
00300 DO		MG/L	9	11.4778	3.50955	1.87338	.163218	.624460	13.0000	7.80000	72/09/07	77/08/24
00335 COD	LOWLEVEL	MG/L	3	6.33333	57.3334	7.57188	1.19556	4.37163	15.0000	1.00000	76/11/16	77/08/24
00400 PH		SU	5	7.69000	.253113	.503103	.065423	.224995	8.30000	7.20000	72/09/07	77/08/24
00403 LAB	PH	SU	8	7.62500	.162109	.402628	.052804	.142350	8.40000	7.20000	73/03/07	77/08/24
00410 T ALK	CACU3	MG/L	8	44.1250	68.1250	8.25379	.107055	2.91815	56.0000	32.0000	73/03/07	77/08/24
00425 HCU3 ALK	CACU3	MG/L	1	39.0000					39.0000	39.0000	77/03/16	77/03/16
00430 CU3 ALK	CACU3	MG/L	1	1.00000					1.00000	1.00000	77/03/16	77/03/16
00500 RESIDUE	TOTAL	MG/L	9	122.333	9662.26	98.2968	.803516	32.7656	380.000	56.0000	72/09/07	77/08/24
00530 RESIDUE	TOT NFLT	MG/L	4	5.50000	33.0000	5.74456	1.04447	2.87228	14.0000	2.00000	75/07/01	77/08/24
00610 NH3+NH4-	N TOTAL	MG/L	7	.043274	.001098	.033142	.765851	.012526	.077640	.007764	73/03/07	77/08/24
00615 NO2-N	TOTAL	MG/L	8	.000755	.305E-06	.000552	.731711	.000195	.001824	.000304	73/03/07	77/08/24
00620 NO3-N	TOTAL	MG/L	8	.114360	.027420	.165589	1.44797	.058545	.451468	.002257	72/09/07	77/03/16
00625 TOT NJEL	N	MG/L	3	.949999	.257500	.507445	.534153	.292973	1.40000	.400000	76/11/16	77/08/24
00665 PHOS-TOT		MG/L P	3	.050000	.000700	.026458	.529151	.015275	.080000	.030000	76/11/16	77/08/24
00669 PHOS-TOT	HYDRO	MG/L P	3	.026667	.000233	.015275	.572823	.008819	.040000	.010000	76/11/16	77/08/24
00900 TOT HARD	CACU3	MG/L	3	45.3333	5.33594	2.30996	.050955	1.33366	40.0000	44.0000	76/11/16	77/08/24
00929 SODIUM	NA,TOT	MG/L	9	1.83333	.112507	.335420	.182957	.111807	2.10000	1.00000	72/09/07	77/08/24
00937 PISSIUM	K,TOT	MG/L	9	.844444	.212770	.461278	.546251	.153759	1.70000	.200000	72/09/07	77/08/24
00940 CHLORIDE	CL	MG/L	9	2.88889	1.11112	1.05410	.364880	.351366	4.00000	2.00000	72/09/07	77/08/24
00945 SULFATE	SU4-TOT	MG/L	3	9.00000	3.00000	1.73205	.192450	1.00000	10.0000	7.00000	76/11/16	77/08/24
01002 ARSENIC	AS,TOT	UG/L	2	10.0000	.000000	.000000	.000000	.000000	10.0000	10.0000	73/09/11	77/03/16
01027 CADMIUM	CD,TOT	UG/L	9	2.44444	9.77779	3.12695	1.27921	1.04231	10.0000	1.00000	72/09/07	77/08/24
01034 CHROMIUM	CR,TOT	UG/L	1	10.0000					10.0000	10.0000	77/03/16	77/03/16
01042 COPPER	CU,TOT	UG/L	9	4.22222	18.9445	4.35252	1.03086	1.45084	10.0000	1.00000	72/09/07	77/08/24
01045 IRON	FE,TOT	UG/L	9	141.111	49086.1	221.554	1.57007	73.8513	710.000	10.0000	72/09/07	77/08/24
01051 LEAD	PB,TOT	UG/L	9	20.0000	300.000	17.3205	.866025	5.77350	50.0000	10.0000	72/09/07	77/08/24
01055 MANGNESE	MN	UG/L	9	11.1111	11.1111	3.33334	.300000	1.11111	20.0000	10.0000	72/09/07	77/08/24
01092 ZINC	ZN,TOT	UG/L	9	8.55556	182.528	13.5103	1.57912	4.50343	42.0000	1.00000	72/09/07	77/08/24
01105 ALUMINUM	AL,TOT	UG/L	5	100.000	.000000	.000000	.000000	.000000	100.000	100.000	74/09/11	77/08/24
31501 TOT COLI	MFIMENDU	/100ML	8	907.500	809821	899.901	.991626	318.163	2560.00	60.0000	73/03/07	77/08/24
31616 FEC COLI	MFEM-FGBR	/100ML	8	5.75000	10.7857	3.28416	.571159	1.16113	10.0000	2.00000	73/03/07	77/08/24
31679 FECSTREP	MF M-ENT	/100ML	3	59.0000	9919.00	99.5942	1.68804	57.5007	174.000	1.00000	76/11/16	77/08/24
70507 PHOS-T	URTHU	MG/L P	9	.072764	.035365	.188055	2.58444	.062685	.573760	.001000	72/09/07	77/08/24
71900 MERCURY	HG,TOTAL	UG/L	9	2.05555	4.95029	2.22492	1.08240	.741642	5.00000	.200000	72/09/07	77/08/24

2020075
 46 10 40.0 115 44 00.0 2
 BIG SMITH CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 211DSURV 771004
 0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 0040
 MILES 0324.30 0139.30 090.90 002.50

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP CENT	9	6.31111	20.1086	4.48427	.710535	1.49475	12.5000	.300000	72/09/07	77/08/24
00061 STREAM FLOW, INST-CFS	3	2.78667	2.69103	1.64044	.588674	.947107	4.31000	1.05000	75/07/01	77/03/16
00070 TURB JKSJN JIU	9	1.43333	.707497	.841128	.586834	.280376	3.00000	.400000	72/09/07	77/08/24
00076 TURB TRBIDMTR HACH FTU	1	.000000					.000000	.000000	74/09/11	74/09/11
00094 CONDUCTIVY FIELD MICROMHU	1	72.0000					72.0000	72.0000	74/09/11	74/09/11
00095 CONDUCTIVY AT 25C MICROMHU	9	71.7778	228.447	15.1145	.210573	5.03816	98.0000	50.0000	72/09/07	77/08/24
00300 DU MG/L	9	11.6667	4.21008	2.05185	.175873	.683949	14.6000	7.70000	72/09/07	77/08/24
00335 CUD LOWLEVEL MG/L	3	2.66667	2.33334	1.52753	.572823	.881919	4.00000	1.00000	76/11/16	77/08/24
00400 PH SU	5	7.69999	.360168	.600140	.077940	.268391	8.70000	7.20000	72/09/07	77/08/24
00403 LAB PH SU	8	7.54999	.345736	.587995	.077880	.207888	8.50000	6.60000	73/03/07	77/08/24
00410 T ALK CACU3 MG/L	8	39.8750	85.8393	9.26495	.252350	3.27565	58.0000	31.0000	73/03/07	77/08/24
00425 HCU3 ALK CACU3 MG/L	1	31.0000					31.0000	31.0000	77/03/16	77/03/16
00430 CU3 ALK CACU3 MG/L	1	1.00000					1.00000	1.00000	77/03/16	77/03/16
00500 RESIDUE TOTAL MG/L	8	109.375	5451.41	73.8337	.675051	26.1041	287.000	62.0000	72/09/07	77/08/24
00530 RESIDUE TOT NFLT MG/L	4	6.25000	32.2500	5.67891	.908625	2.83945	14.0000	2.00000	75/07/01	77/08/24
00610 NH3+NH4-N TOTAL MG/L	8	.059068	.004469	.066848	1.13170	.023634	.201863	.007764	73/03/07	77/08/24
00615 NO2-N TOTAL MG/L	8	.000869	.687E-06	.000829	.954254	.000293	.002736	.000304	73/03/07	77/08/24
00620 NO3-N TOTAL MG/L	8	.101823	.020720	.143944	1.41367	.050892	.338601	.002257	72/09/07	77/03/16
00625 TOT KjEL N MG/L	3	.773333	.418134	.646633	.836163	.373333	1.52000	.400000	76/11/16	77/08/24
00665 PHOS-TOT MG/L P	3	.033333	.000233	.015275	.458259	.008819	.050000	.020000	76/11/16	77/08/24
00669 PHOS-TOT HYDRO MG/L P	3	.026667	.000833	.028868	1.08253	.016667	.060000	.010000	76/11/16	77/08/24
00900 TOT HARD CACU3 MG/L	3	39.3333	57.3340	7.57192	.192506	4.37165	48.0000	34.0000	76/11/16	77/08/24
00929 SODIUM NA,TOT MG/L	9	1.78889	.143616	.378967	.211845	.126322	2.10000	1.00000	72/09/07	77/08/24
00937 POTASSIUM K,TOT MG/L	9	.744444	.165278	.406544	.546104	.135515	1.40000	.100000	72/09/07	77/08/24
00940 CHLORIDE CL MG/L	9	3.00000	4.00000	2.00000	.666667	.666667	8.00000	2.00000	72/09/07	77/08/24
00945 SULFATE SO4-TOT MG/L	3	9.00000	3.00000	1.73205	.192450	1.00000	10.0000	7.00000	76/11/16	77/08/24
01002 ARSENIC AS,TOT UG/L	2	10.0000	.000000	.000000	.000000	.000000	10.0000	10.0000	73/09/11	77/03/16
01027 CADMIUM CD,TOT UG/L	9	2.44444	9.77779	3.12695	1.27921	1.04231	10.0000	1.00000	72/09/07	77/08/24
01034 CHROMIUM CR,TOT UG/L	1	10.0000					10.0000	10.0000	77/03/16	77/03/16
01042 COPPER CU,TOT UG/L	9	4.22222	18.9445	4.35252	1.03086	1.45084	10.6000	1.00000	72/09/07	77/08/24
01045 IRON FE,TOT UG/L	9	62.2222	1869.45	43.2371	.694882	14.4124	130.000	10.0000	72/09/07	77/08/24
01051 LEAD PB,TOT UG/L	9	18.8889	311.111	17.6383	.933794	5.87944	50.0000	10.0000	72/09/07	77/08/24
01055 MANGNESE MN UG/L	9	11.1111	11.1111	3.33334	.300000	1.11111	20.0000	10.0000	72/09/07	77/08/24
01092 ZINC ZN,TOT UG/L	9	3.11111	9.61112	3.10018	.996487	1.03339	10.0000	1.00000	72/09/07	77/08/24
01105 ALUMINUM AL,TOT UG/L	5	100.000	.000000	.000000	.000000	.000000	100.000	100.000	74/09/11	77/08/24
31501 TOT COL1 MFMENDU /100ML	8	307.500	73451.1	271.019	.881362	95.8196	660.000	20.0000	73/03/07	77/08/24
31616 FLC CUL1 MFM-FCBR /100ML	8	5.50000	24.5714	4.95696	.901265	1.75255	14.0000	1.00000	73/03/07	77/08/24
31679 FECSTREP MF M-ENT /100ML	3	58.3333	9690.33	98.4395	1.68753	58.8341	172.000	1.00000	76/11/16	77/08/24
70507 PHOS-T ORTHO MG/L P	9	.010244	.000044	.006654	.649521	.002218	.019560	.002000	72/09/07	77/08/24

STORET RETRIEVAL DATE: 80/09/18 - INVENT - VERSION OF AUG. 1980

2020075
46 10 40.0 115 44 00.0 2
BIG SMITH CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
2110SURV 771004
0000 CLASS 00

/TYP/AMNT/STREAM

INDEX 1310001 002740 01350 0040
MILES 0324.30 0139.30 090.90 002.50
PARAMETER
71900 MERCURY HG,TOTAL UG/L

NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
9	2.05555	4.95029	2.22492	1.08240	.741642	5.00000	.200000	72/09/07	77/08/24

2020076
 46 11 55.0 115 43 40.0 2
 PETE KING CREEK AT RM 7.0
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 211DSURV 771004
 0000 CLASS 00

/IYPA/AMONT/STREAM

INDEX 1310001 002740 01350 1690 1570
 MILES 0324.30 0139.30 097.60 002.20 007.00

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAN ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP CENT	8	6.32500	17.1307	4.13893	.654577	1.46333	12.5000	1.00000	72/09/07	77/08/24
00061 STREAM FLOW, INST-CFS	2	12.1650	179.172	13.3855	1.10033	9.46499	21.6300	2.70000	75/07/01	76/11/16
00070 TURB JKSJ JTU	8	1.93750	.228394	.477905	.246661	.168965	3.00000	1.50000	72/09/07	77/08/24
00094 CONDUCTIVY FIELD MICROMHU	1	42.0000					42.0000	42.0000	74/09/11	74/09/11
00095 CONDUCTIVY AT 25C MICROMHU	8	46.1250	87.2678	9.34173	.202531	3.30280	63.0000	34.0000	72/09/07	77/08/24
00300 DU MG/L	8	10.9625	4.08848	2.02200	.184447	.714885	13.6000	7.50000	72/09/07	77/08/24
00335 COD LOWLEVEL MG/L	2	2.50000	4.50000	2.12132	.848528	1.50000	4.00000	1.00000	76/11/16	77/08/24
00400 PH SU	4	7.52500	.149211	.386278	.051333	.193139	7.90000	7.00000	72/09/07	77/08/24
00403 LAH PH SU	7	7.34285	.236206	.486010	.066188	.183695	8.10000	6.70000	73/03/07	77/08/24
00410 I ALK CACU3 MG/L	7	30.1428	24.8099	4.98095	.165245	1.88262	38.0000	24.0000	73/03/07	77/08/24
00500 RESIDUE TOTAL MG/L	8	94.0000	6288.85	79.3023	.843641	28.0376	288.000	48.0000	72/09/07	77/08/24
00530 RESIDUE TOT NFLT MG/L	3	9.66667	64.3335	8.02082	.829740	4.63082	18.0000	2.00000	75/07/01	77/08/24
00610 NH3+NH4- N TOTAL MG/L	7	.087471	.005996	.077432	.885226	.029266	.186335	.007764	73/03/07	77/08/24
00615 NO2-N TOTAL MG/L	7	.000931	.000002	.001378	1.47925	.000521	.004000	.000304	73/03/07	77/08/24
00620 NO3-N TOTAL MG/L	7	.166536	.046049	.214589	1.28854	.081107	.474041	.002257	72/09/07	76/11/16
00625 TOT KJEL N MG/L	2	.450000	.045000	.212132	.471405	.150000	.600000	.300000	76/11/16	77/08/24
00665 PHOS-TOT MG/L P	2	.055000	.000450	.021213	.385695	.015000	.070000	.040000	76/11/16	77/08/24
00669 PHOS-TOT HYDRU MG/L P	2	.050000	.000800	.020284	.565685	.020000	.070000	.030000	76/11/16	77/08/24
00900 TOT HARD CACU3 MG/L	2	20.0000	32.0000	5.65685	.282843	4.00000	24.0000	16.0000	76/11/16	77/08/24
00929 SODIUM NA, TOT MG/L	8	2.47500	.490720	.700514	.283036	.247669	4.00000	1.90000	72/09/07	77/08/24
00937 POTASSIUM K, TOT MG/L	8	.750000	.148571	.385450	.513933	.136277	1.30000	.100000	72/09/07	77/08/24
00940 CHLORIDE CL MG/L	8	3.50000	4.57143	2.13809	.610883	.755929	8.00000	2.00000	72/09/07	77/08/24
00945 SULFATE SO4-TOT MG/L	1	6.00000					6.00000	6.00000	77/08/24	77/08/24
01002 ARSENIC AS, TOT UG/L	1	10.0000					10.0000	10.0000	73/09/11	73/09/11
01027 CADMIUM CD, TOT UG/L	8	4.25000	25.9286	5.09201	1.19812	1.80030	14.0000	1.00000	72/09/07	77/08/24
01029 CHROMIUM SEDMG/KG DRY WGT	1	1.00000					1.00000	1.00000	75/07/01	75/07/01
01042 COPPER CU, TOT UG/L	8	3.37500	16.8393	4.10357	1.21587	1.45083	10.0000	1.00000	72/09/07	77/08/24
01045 IRON FE, TOT UG/L	8	170.000	18542.9	136.172	.801013	48.1441	360.000	10.0000	72/09/07	77/08/24
01051 LLAD PB, TOT UG/L	8	18.7500	269.643	16.4208	.875776	5.80563	50.0000	10.0000	72/09/07	77/08/24
01055 MANGNESE MN UG/L	8	11.2500	12.5000	3.53553	.314270	1.25000	20.0000	10.0000	72/09/07	77/08/24
01092 ZINC ZN, TOT UG/L	8	3.62500	11.4107	3.37797	.931855	1.19429	10.0000	1.00000	72/09/07	77/08/24
01105 ALUMINIUM AL, TOT UG/L	4	100.000	.000000	.000000		.000000	100.000	100.000	74/09/11	77/08/24
31501 TOT CULI MFIMENDO /100ML	7	912.857	681291	825.404	.904198	311.973	2100.00	110.000	73/03/07	77/08/24
31616 FEC CULI MFIM-FCBR /100ML	7	14.0000	496.000	22.2711	1.59079	8.41767	64.0000	2.00000	73/03/07	77/08/24
31679 FECSIREP MF M-FENT /100ML	2	100.000	17672.0	132.936	1.32936	94.0000	194.000	6.00000	76/11/16	77/08/24
70507 PHOS-T JKTND MG/L P	8	.008797	.000049	.007006	.796358	.002477	.019560	.003260	72/09/07	77/08/24
71900 MERCURY HG, TOTAL UG/L	8	2.28750	5.10411	2.25923	.987642	.798758	5.00000	.300000	72/09/07	77/08/24

2020077
 46 13 15.0 115 44 20.0 2
 RAT CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 2110SURV 771004
 0000 CLASS 00

/TYPA/AMOUNT/STREAM

INDEX	1310001	002740	01350	1130	0260	0100														
MILES	0324.30	0139.30	054.10	021.50	004.90	000.50														
PARAMETER	NUMBER						MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE					
00010 WATER	TEMP	CENT					9 5.70000	18.2475	4.27171	.749423	1.42390	11.5000	.800000	72/09/07	77/08/24					
00061 STREAM	FLOW	INS1-CFS					2 4.88850	16.9537	4.11748	.842279	2.91150	7.80000	1.97700	75/07/01	76/11/16					
00070 TURB	JKSN	JTU					9 1.98889	.321115	.566671	.284918	.188890	3.00000	1.00000	72/09/07	77/08/24					
00094 CONDUCTIVY	FIELD	MICROMHU					1 55.0000					55.0000	55.0000	74/09/11	74/09/11					
00095 CONDUCTIVY	AT 25C	MICROMHU					9 56.7778	118.447	10.8033	.191683	3.62777	75.0000	40.0000	72/09/07	77/08/24					
00300 DO		MG/L					9 10.9556	3.94781	1.98691	.181561	.662304	13.2000	7.20000	72/09/07	77/08/24					
00335 COD	LOWLEVEL	MG/L					3 6.33333	57.3334	7.57188	1.19556	4.37163	15.0000	1.00000	76/11/16	77/08/24					
00400 PH		SU					5 7.71999	.117126	.342237	.044331	.153053	8.20000	7.30000	72/09/07	77/08/24					
00403 LAB	PH	SU					8 7.37500	.256417	.506317	.068661	.179031	8.10000	6.50000	73/03/07	77/08/24					
00410 T ALK	CACU3	MG/L					8 32.0000	53.4286	7.30948	.228421	2.58429	44.0000	20.0000	73/03/07	77/08/24					
00425 HLU3 ALK	CACU3	MG/L					1 25.0000					25.0000	25.0000	77/03/16	77/03/16					
00430 CO3 ALK	CACU3	MG/L					1 1.00000					1.00000	1.00000	77/03/16	77/03/16					
00500 RESIDUE	TOTAL	MG/L					9 99.6667	6170.51	78.5526	.788153	26.1842	1.00000	1.00000	77/03/16	77/03/16					
00530 RESIDUE	TOT NFLT	MG/L					4 11.5000	107.667	10.3763	.902283	5.18813	307.000	64.0000	72/09/07	77/08/24					
00610 NH3+NH4-	N TOTAL	MG/L					8 .051304	.002141	.046273	.901937	.016360	.131987	.010000	73/03/07	77/08/24					
00615 NO2-N	TOTAL	MG/L					8 .000831	.536E-06	.000733	.881883	.000259	.002432	.000304	73/03/07	77/08/24					
00620 NO3-N	TOTAL	MG/L					8 .146969	.049230	.221879	1.50970	.078446	.586908	.002257	72/09/07	77/03/16					
00625 TOT KJEL	N	MG/L					3 .626666	.112034	.334715	.534120	.193248	.890000	.250000	76/11/16	77/08/24					
00665 PHOS-TOT		MG/L P					3 .053333	.000933	.030551	.572822	.017638	.080000	.020000	76/11/16	77/08/24					
00669 PHOS-TOT	HYDRD	MG/L P					3 .046667	.000533	.023094	.494873	.013333	.060000	.020000	76/11/16	77/08/24					
00900 TOT HARD	CACU3	MG/L					3 27.3333	1.33386	1.15493	.042254	.666799	28.0000	26.0000	76/11/16	77/08/24					
00929 SODIUM	NA, TOT	MG/L					9 2.15555	.340290	.583344	.270624	.194448	3.00000	1.00000	72/09/07	77/08/24					
00937 PLESSIUM	K, TOT	MG/L					9 7.88888	.146611	.385501	.488664	.128500	1.30000	.100000	72/09/07	77/08/24					
00940 CHLORIDE	CL	MG/L					9 3.00000	2.00000	1.41471	.471404	.471404	6.00000	2.00000	72/09/07	77/08/24					
00945 SULFATE	SO4-TOT	MG/L					3 9.00000	3.00000	1.73205	.192450	1.00000	10.0000	7.00000	76/11/16	77/08/24					
01002 ARSENIC	AS, TOT	UG/L					2 10.0000	.000000	.000000	.000000	.000000	10.0000	10.0000	73/09/11	77/03/16					
01027 CADMIUM	CD, TOT	UG/L					9 3.66667	19.2500	4.38748	1.19659	1.46249	12.0000	1.00000	72/09/07	77/08/24					
01029 CHROMIUM	SEDMG/KG	DRY WGT					1 1.00000					1.00000	1.00000	75/07/01	75/07/01					
01034 CHROMIUM	CR, TOT	UG/L					1 10.0000					10.0000	10.0000	77/03/16	77/03/16					
01042 COPPER	CU, TOT	UG/L					9 4.11111	19.6111	4.42844	1.07719	1.47615	10.0000	1.00000	72/09/07	77/08/24					
01045 IRON	FE, TOT	UG/L					9 163.333	23825.0	154.354	.945021	51.4512	510.000	20.0000	72/09/07	77/08/24					
01051 LEAD	PB, TOT	UG/L					9 18.8889	311.111	17.6383	.933794	5.87944	50.0000	10.0000	72/09/07	77/08/24					
01055 MANGNESE	MN	UG/L					9 13.4444	121.778	11.0353	.820807	3.67843	40.0000	1.00000	72/09/07	77/08/24					
01092 ZINC	ZN, TOT	UG/L					9 10.0000	420.250	20.5000	2.05000	6.83333	64.0000	1.00000	72/09/07	77/08/24					
01105 ALUMINUM	AL, TOT	UG/L					5 140.000	8000.00	89.4427	.638877	40.0000	300.000	100.000	74/09/11	77/08/24					
31501 TOT COLI	MFMENDO	/100ML					8 1278.50	5081318	2254.18	1.76314	796.972	6700.00	40.0000	73/03/07	77/08/24					
31616 FEC COLI	MFM-FCBR	/100ML					8 27.0000	3371.43	58.0640	2.15052	20.5287	170.000	2.00000	73/03/07	77/08/24					
31679 FECSTREP	MFM-M-ENT	/100ML					3 157.667	73164.3	270.489	1.71558	156.167	470.000	1.00000	76/11/16	77/08/24					
70507 PHOS-T	ORTHO	MG/L P					9 .019147	.000287	.016945	.885025	.005648	.055420	.003260	72/09/07	77/08/24					

STORET RETRIEVAL DATE 80/09/18 - INVENT - VERSION OF AUG. 1980

2020077
46 13 15.0 115 44 20.0 2
RAT CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
2110SURV 771004
0000 CLASS 00

/TYP/AMNT/STREAM

INDEX 1310001 002740 01350 1130 0260 0100
MILES 0324.30 0139.30 054.10 021.50 004.90 000.50
PARAMETER
71900 MERCURY HG,TOTAL UG/L

NUMBER MEAN VARIANCE STAN DEV COEF VAR STAND ER MAXIMUM MINIMUM BEG DATE END DATE
9 2.25555 4.47528 2.11549 .937901 .705162 5.00000 .300000 72/09/07 77/08/24

2020079
 46 14 10.0 115 44 30.0 2
 YAKUS CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004
 0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260
 MILES 0324.30 0139.30 054.10 021.50 003.00

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP CENT	4	5.25000	16.7500	4.09268	.779557	2.04634	9.00000	1.00000	74/09/11	77/03/16
00061 STREAM FLOW, INST-CFS	2	8.23800	45.7351	6.76277	.820924	4.78200	13.0200	3.45000	75/07/01	76/11/16
00070 TURB JASN JTU	5	3.80000	13.0850	3.61732	.951928	1.61772	10.0000	.900000	74/09/11	77/08/24
00094 CONDUCTIVY FIELD MICROMHO	1	50.0000					50.0000	50.0000	74/09/11	77/08/24
00095 CONDUCTIVY AT 25C MICROMHO	5	56.6000	100.805	10.0402	.177388	4.49009	73.0000	49.0000	74/09/11	77/08/24
00300 DO MG/L	4	11.8000	3.12012	1.76638	.149694	.883193	13.6000	10.0000	74/09/11	77/03/16
00335 COD LOWLEVEL MG/L	3	6.33333	57.3334	7.57188	1.19556	4.37163	15.0000	1.00000	76/11/16	77/08/24
00400 PH SU	4	7.34999	.096756	.311056	.042321	.155528	7.80000	7.10000	75/07/01	77/08/24
00403 LAB PH SU	5	7.29999	.290161	.538666	.073790	.240899	7.80000	6.60000	74/09/11	77/08/24
00410 T ALK CACU3 MG/L	5	28.2000	25.2003	5.01999	.178014	2.24501	34.0000	22.0000	74/09/11	77/08/24
00425 HCU3 ALK CACU3 MG/L	1	22.0000					22.0000	22.0000	77/03/16	77/03/16
00430 CU3 ALK CACU3 MG/L	1	1.00000					1.00000	1.00000	77/03/16	77/03/16
00500 RESIDUE TOTAL MG/L	5	84.8000	642.707	25.3517	.298958	11.3376	127.000	64.0000	74/09/11	77/08/24
00530 RESIDUE TOT NFLT MG/L	4	16.0000	89.3333	9.45163	.590727	4.72581	29.0000	9.00000	75/07/01	77/08/24
00610 NH3+NH4- N TOTAL MG/L	5	.057267	.002162	.046497	.811932	.020794	.116459	.010000	74/09/11	77/08/24
00615 NO2-N TOTAL MG/L	5	.001365	.883E-06	.000940	.688848	.000420	.003000	.000608	74/09/11	77/08/24
00620 NO3-N TOTAL MG/L	4	.006129	.000020	.004470	.729347	.002235	.010000	.002257	74/09/11	77/03/16
00625 TOT NJEL N MG/L	3	.810000	.009701	.098492	.121596	.056865	.890000	.700000	76/11/16	77/08/24
00665 PHOS-TOT MG/L P	3	.083333	.005033	.070946	.851352	.040961	.160000	.020000	76/11/16	77/08/24
00669 PHOS-TOT HYDRU MG/L P	3	.066667	.003033	.055076	.826137	.031798	.120000	.010000	76/11/16	77/08/24
00900 TOT HARD CACO3 MG/L	3	24.0000	16.0000	4.00000	.166667	2.30940	28.0000	20.0000	76/11/16	77/08/24
00929 SODIUM NA, TOT MG/L	5	2.46000	.183002	.427708	.173898	.191313	3.00000	1.90000	74/09/11	77/08/24
00937 POTASSIUM K, TOT MG/L	5	1.02000	.017000	.130385	.127828	.058310	1.20000	.900000	74/09/11	77/08/24
00940 CHLORIDE CL MG/L	5	2.00000	.000000	.000000		.000000	2.00000	2.00000	74/09/11	77/08/24
00945 SULFATE SO4-TOT MG/L	3	9.66667	.333496	.577491	.059740	.333415	10.0000	9.00000	76/11/16	77/08/24
01002 ARSENIC AS, TOT UG/L	1	10.0000					10.0000	10.0000	77/03/16	77/03/16
01027 CADMIUM CD, TOT UG/L	5	1.80000	3.20000	1.78886	.993809	.800001	5.00000	1.00000	74/09/11	77/08/24
01029 CHROMIUM SEDMG/KG DRY WGT	1	1.00000					1.00000	1.00000	75/07/01	75/07/01
01034 CHROMIUM CR, TOT UG/L	1	10.0000					10.0000	10.0000	77/03/16	77/03/16
01042 COPPER CU, TOT UG/L	5	6.40000	24.3000	4.92951	.770235	2.20454	10.0000	1.00000	74/09/11	77/08/24
01045 IRON FE, TOT UG/L	5	324.000	140430	374.740	1.15660	167.589	990.000	120.000	74/09/11	77/08/24
01051 LEAD PB, TOT UG/L	5	26.0000	480.000	21.9089	.842650	9.79796	50.0000	10.0000	74/09/11	77/08/24
01055 MANGNESE MN UG/L	5	34.0000	1130.00	33.6155	.988690	15.0333	90.0000	10.0000	74/09/11	77/08/24
01092 ZINC ZN, TOT UG/L	5	3.00000	1.50000	1.22474	.408248	.547722	4.00000	1.00000	74/09/11	77/08/24
01105 ALUMINUM AL, TOT UG/L	5	200.000	50000.0	223.607	1.11805	100.000	600.000	100.000	74/09/11	77/08/24
31501 TOT CULI MFIMENDU /100ML	5	1944.00	7441480	2727.91	1.40324	1219.96	6700.00	20.0000	74/09/11	77/08/24
31616 FEC CULI MFM-FCHR /100ML	5	73.2000	17955.2	133.997	1.83056	59.9253	310.000	2.00000	74/09/11	77/08/24
31679 FECSTREP MF M-ENT /100ML	3	184.333	100284	316.077	1.71796	182.834	550.000	1.00000	76/11/16	77/08/24
70507 PHOS-T URTHO MG/L P	5	.026180	.000056	.007483	.285817	.003346	.039000	.020000	74/09/11	77/08/24

STORET RETRIEVAL DATE 80/09/18 - INVENT - VERSION OF AUG. 1980

2020079
46 14 10.0 115 44 30.0 2
YAKUS CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
211DSURV 771004
0000 CLASS 00

/IYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260
MILES 0324.30 0139.30 054.10 021.50 003.00

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
71900 MERCURY HG,TOTAL UG/L	5	3.14000	6.49800	2.54912	.811821	1.14000	5.00000	.200000	74/09/11	77/08/24

2020080
 46 11 10.0 115 48 00.0 2
 SUTTLER CREEK AT RM 4.0
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004
 0000 CLASS 00

/TYP/A/MUNT/STREAM

INDEX 1310001 002740 01350 1450
 MILES 0324.30 0139.30 083.60 004.00
 PARAMETER

				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	3	8.50000	19.7500	4.44410	.522835	2.56580	12.0000	3.50000	75/07/01	77/08/25
00061	STREAM	FLOW,	INST-CFS	2	.647999	.390727	.625082	.964634	.442000	1.09000	.206000	75/07/01	76/11/16
00070	TURB	JKSN	JTU	3	7.03333	10.4035	3.22544	.458593	1.86221	10.0000	3.60000	75/07/01	77/08/25
00094	CNDUCTIVY	FIELD	MICROMHU	1	60.0000					60.0000	60.0000	77/08/25	77/08/25
00095	CNDUCTIVY	AT 25C	MICROMHO	3	89.6667	142.346	11.9309	.133058	6.88829	98.0000	76.0000	75/07/01	77/08/25
00300	DD		MG/L	2	11.8500	5.44507	2.33347	.196917	1.65001	13.5000	10.2000	75/07/01	76/11/16
00335	CUD	LOWLEVEL	MG/L	2	8.00000	98.0000	9.89949	1.23744	7.00000	15.0000	1.00000	76/11/16	77/08/25
00400	PH		SU	3	7.53333	.443451	.665921	.086397	.384470	8.30000	7.10000	75/07/01	77/08/25
00403	LAB	PH	SU	3	7.36666	.363441	.602861	.081636	.348062	8.00000	6.80000	75/07/01	77/08/25
00410	T ALK	CACU3	MG/L	3	36.0000	52.0000	7.21110	.200308	4.16333	42.0000	28.0000	75/07/01	77/08/25
00500	RESIDUE	TOTAL	MG/L	2	112.500	24.5000	4.94975	.043998	3.50000	116.000	109.000	75/07/01	76/11/16
00515	RESIDUE	DISS-105	C MG/L	1	17.0000					17.0000	17.0000	75/07/01	75/07/01
00530	RESIDUE	TOT NFLT	MG/L	3	28.6667	114.334	10.6927	.373002	6.17344	38.0000	17.0000	75/07/01	77/08/25
00610	NH3+NH4-	N TOTAL	MG/L	3	1.02913	.021449	.146454	1.42309	.084555	.271739	.010000	75/07/01	77/08/25
00611	NH3 MUD	DRY WGT	MG/KG-N	1	.090000					.090000	.090000	75/07/01	75/07/01
00615	NO2-N	TOTAL	MG/L	3	.001637	.394E-06	.000628	.383711	.000363	.002000	.000912	75/07/01	77/08/25
00620	NO3-N	TOTAL	MG/L	2	.016129	.000385	.019617	1.21628	.013871	.030000	.002257	75/07/01	76/11/16
00625	TOT KjEL	N	MG/L	2	.765000	.001250	.035359	.046221	.025003	.790000	.740000	76/11/16	77/08/25
00665	PHOS-TOT		MG/L P	2	.115000	.000450	.021213	.184465	.015000	.130000	.100000	76/11/16	77/08/25
00669	PHOS-TOT	HYDRU	MG/L P	2	.105000	.001250	.035355	.336719	.025000	.130000	.080000	76/11/16	77/08/25
00900	TOT HARD	CACD3	MG/L	2	35.0000	2.00000	1.41421	.040406	1.00000	36.0000	34.0000	76/11/16	77/08/25
00916	CALCIUM	CA-TOT	MG/L	1	8.00000					8.00000	8.00000	77/08/25	77/08/25
00929	SODIUM	NA,TOT	MG/L	3	3.76667	.303337	.550760	.146220	.317982	4.30000	3.20000	75/07/01	77/08/25
00937	PTSSIUM	K,TOT	MG/L	3	1.30000	.030000	.173206	.133235	.100000	1.40000	1.10000	75/07/01	77/08/25
00940	CHLORIDE	CL	MG/L	3	2.00000	.000000	.000000		.000000	2.00000	2.00000	75/07/01	77/08/25
00945	SULFATE	SO4-TOT	MG/L	2	9.50000	.500000	.707107	.074432	.500000	10.0000	9.00000	76/11/16	77/08/25
01027	CADMIUM	CD,TOT	UG/L	3	2.33333	5.33334	2.30940	.989744	1.33333	5.00000	1.00000	75/07/01	77/08/25
01042	COPPER	CU,TOT	UG/L	3	7.00000	27.0000	5.19615	.742307	3.00000	10.0000	1.00000	75/07/01	77/08/25
01045	IRON	FE,TOT	UG/L	3	430.000	132400	363.868	.846205	210.079	850.000	210.000	75/07/01	77/08/25
01051	LEAD	PB,TOT	UG/L	3	23.3333	533.334	23.0940	.989744	13.3333	50.0000	10.0000	75/07/01	77/08/25
01055	MANGNESE	MN	UG/L	3	23.3333	233.334	15.2753	.654654	8.81918	40.0000	10.0000	75/07/01	77/08/25
01092	ZINC	ZN,TOT	UG/L	3	5.33333	16.3333	4.04145	.757772	2.33333	9.00000	1.00000	75/07/01	77/08/25
01105	ALUMINIUM	AL,TOT	UG/L	3	266.666	43333.5	206.167	.780626	120.185	500.000	100.000	75/07/01	77/08/25
31501	TOT CULI	NFIMENDU	/100ML	2	2740.00	9331200	3054.70	1.11485	2160.00	4900.00	580.000	75/07/01	77/08/25
31616	FEC CULI	MFM-FCHR	/100ML	2	63.0000	6498.00	80.6102	1.27453	57.0000	120.000	6.00000	75/07/01	77/08/25
31679	FECSTREP	MFM-M-ENT	/100ML	1	880.000					880.000	880.000	77/08/25	77/08/25
70507	PHOS-I	ORTHO	MG/L P	3	.025100	.000070	.008386	.334116	.004842	.033000	.016300	75/07/01	77/08/25
71900	MERCURY	HG,TOTAL	UG/L	3	3.50000	6.75000	2.59808	.742307	1.50000	5.00000	.500000	75/07/01	77/08/25

2020081
 46 11 35.0 115 48 15.0 2
 MAGGIE CREEK AT RM 12.0
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004
 0000 CLASS 00

/TYP/AMHNT/STREAM

INDEX 1310001 002740 01350 1410
 MILES 0324.30 0139.30 077.70 012.00

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP	4	10.1250	17.3958	4.17083	.411934	2.06541	14.0000	5.00000	74/09/11	77/08/25
00061 STREAM FLOW, INST-CFS	2	2.86500	7.48845	2.73650	.955150	1.93500	4.80000	.930000	75/07/01	76/11/16
00070 TURB JKSJN	4	3.40000	4.14000	2.03470	.598441	1.01735	6.00000	1.50000	74/09/11	77/08/25
00094 CONDUCTIVY FIELD	2	55.0000	50.0000	7.07107	.128565	5.00000	60.0000	50.0000	74/09/11	77/08/25
00095 CONDUCTIVY AT 25C	4	74.5000	171.000	13.0767	.175526	6.53835	87.0000	60.0000	74/09/11	77/08/25
00300 DO	3	10.8667	3.41345	1.84755	.170020	1.06668	13.0000	9.80000	74/09/11	77/08/25
00335 COD LOWLEVEL	2	10.0000	162.000	12.7279	1.27279	9.00000	19.0000	1.00000	76/11/16	77/08/25
00400 PH	3	7.70000	.280052	.529200	.068727	.305533	8.30000	7.30000	75/07/01	77/08/25
00403 LAH PH	4	7.45000	.170049	.412370	.055352	.206185	8.00000	7.00000	74/09/11	77/08/25
00410 T ALK CAC03	4	35.0000	36.0000	6.00000	.171429	3.00000	40.0000	28.0000	74/09/11	77/08/25
00500 RESIDUE TOTAL	3	82.3333	.355937	.579601	.007040	.334633	83.0000	82.0000	74/09/11	76/11/16
00530 RESIDUE TOT NFLT	3	16.3333	25.3336	5.03325	.308158	2.90595	21.0000	11.0000	75/07/01	77/08/25
00610 NH3+NH4- N TOTAL	4	.073803	.013647	.116819	1.58285	.058409	.248447	.007764	74/09/11	77/08/25
00615 NO2-N TOTAL	4	.000978	.545E-06	.000739	.755174	.000369	.002000	.000304	74/09/11	77/08/25
00620 NO3-N TOTAL	3	.004838	.000020	.004470	.923939	.002581	.010000	.002257	74/09/11	76/11/16
00625 TOT KjEL N	2	.475000	.101250	.318198	.669891	.225000	.700000	.250000	76/11/16	77/08/25
00665 PHOS-TOT	2	.115000	.000450	.021213	.184465	.015000	.130000	.100000	76/11/16	77/08/25
00669 PHOS-TOT HYDR0	2	.095000	.000450	.021213	.223297	.015000	.110000	.080000	76/11/16	77/08/25
00900 TOT HARD CAC03	2	29.0000	2.00000	1.41421	.048766	1.00000	30.0000	28.0000	76/11/16	77/08/25
00916 CALCIUM CA-TOT	1	6.40000					6.40000	6.40000	77/08/25	77/08/25
00929 SODIUM NA,TOT	4	3.35000	.336660	.580224	.173201	.290112	3.90000	2.60000	74/09/11	77/08/25
00937 POTASSIUM K,TOT	4	1.27500	.009166	.095738	.075089	.047869	1.40000	1.20000	74/09/11	77/08/25
00940 CHLORIDE CL	4	2.75000	.916667	.957427	.348155	.478713	4.00000	2.00000	74/09/11	77/08/25
00945 SULFATE SO4-TOT	2	9.50000	.500000	.707107	.074432	.500000	10.0000	9.00000	76/11/16	77/08/25
01027 CADMIUM CD,TOT	4	2.00000	4.00000	2.00000	1.00000	1.00000	5.00000	1.00000	74/09/11	77/08/25
01042 COPPER CU,TOT	4	5.50000	27.0000	5.19615	.944755	2.59808	10.0000	1.00000	74/09/11	77/08/25
01045 IRON FE,TOT	4	530.000	306667	621.825	1.17325	310.913	1430.00	30.0000	74/09/11	77/08/25
01051 LEAD PB,TOT	4	20.0000	400.000	20.0000	1.00000	10.0000	50.0000	10.0000	74/09/11	77/08/25
01055 MANGNESE MN	4	37.5000	1758.33	41.9325	1.11820	20.9662	100.000	10.0000	74/09/11	77/08/25
01092 ZINC ZN,TOT	4	4.75000	18.9167	4.34933	.915648	2.17466	11.0000	1.00000	74/09/11	77/08/25
01105 ALUMINUM AL,TOT	4	125.000	2500.00	50.0000	.400000	25.0000	200.000	100.000	74/09/11	77/08/25
31501 TOT COLI MFIMENDO	3	3673.33	.216E+08	4650.60	1.26604	2685.03	9000.00	420.000	74/09/11	77/08/25
31616 FEC COLI MFM-FCBR	3	239.333	166149	407.614	1.70312	235.336	710.000	2.00000	74/09/11	77/08/25
31679 FECSTREP MF M-ENT	1	1890.00					1890.00	1890.00	77/08/25	77/08/25
70507 PHOS-T ORTHO	4	.063465	.005651	.075172	1.18447	.037586	.176040	.022820	74/09/11	77/08/25
71900 MERCURY HG,TOTAL	4	3.87500	5.06250	2.25000	.580645	1.12500	5.00000	.500000	74/09/11	77/08/25

2020095
 46 10 05.0 115 35 20.0 2
 PETE KING CREEK AT HWY 12
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 211DSURV 771214
 0000 CLASS 00

/NTRTMT/AMBNT/SPRING/STREAM

INDEX 1310001 002740 01350 1690 1570
 MILES 0324.30 0139.30 097.60 002.20 000.10

PARAMETER	TEMP	CENT	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAN ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER	JKSN	JTU	6	8.05000	19.4151	4.40625	.547361	1.79885	14.0000	3.00000	72/09/28	77/08/24
00070 TURB	JKSN	JTU	5	1.70000	.270000	.519616	.305656	.232379	2.00000	.800000	73/03/07	77/08/24
00094 CONDUCTVY	FIELD	MICROMHO	1	53.0000					53.0000	53.0000	74/09/11	74/09/11
00095 CONDUCTVY	AT 25C	MICROMHO	6	59.6667	221.870	14.8953	.249642	6.08098	84.0000	42.0000	72/09/28	77/08/24
00300 DO		MG/L	6	11.1500	5.97114	2.44359	.219156	.997592	15.3000	7.80000	72/09/28	77/08/24
00335 CUD	LOWLEVEL	MG/L	1	15.0000					15.0000	15.0000	77/08/24	77/08/24
00400 PH		SU	2	7.85000	.004990	.070637	.008998	.049948	7.90000	7.80000	72/09/28	77/08/24
00403 LAB	PH	SU	5	7.86000	.373108	.610826	.077713	.273169	8.50000	6.90000	73/03/07	77/08/24
00410 T ALK	CACO3	MG/L	5	39.8000	40.2021	6.34052	.159309	2.83556	50.0000	35.0000	73/03/07	77/08/24
00500 RESIDUE	TOTAL	MG/L	6	102.500	4632.70	68.0639	.664038	27.7870	240.000	64.0000	72/09/28	77/08/24
00530 RESIDUE	TOT NFLT	MG/L	1	2.00000					2.00000	2.00000	77/08/24	77/08/24
00610 NH3+NH4-	N TOTAL	MG/L	5	.074889	.003974	.063037	.841734	.028191	.155279	.010000	73/03/07	77/08/24
00615 NO2-N	TOTAL	MG/L	5	.000869	.854E-06	.000924	1.06392	.000413	.002432	.000304	73/03/07	77/08/24
00620 NO3-N	TOTAL	MG/L	5	.208148	.035228	.187690	.901718	.083938	.451468	.002257	72/09/28	74/09/11
00625 TOT KJEL	N	MG/L	1	.500000					.500000	.500000	77/08/24	77/08/24
00665 PHOS-TOT		MG/L P	1	.020000					.020000	.020000	77/08/24	77/08/24
00669 PHOS-TOT	HYDRD	MG/L P	1	.020000					.020000	.020000	77/08/24	77/08/24
00900 TOT HARD	CACO3	MG/L	1	38.0000					36.0000	36.0000	77/08/24	77/08/24
00929 SODIUM	NA, TOT	MG/L	6	2.63333	.918664	.958470	.363976	.391294	3.60000	1.00000	72/09/28	77/08/24
00937 POTASSIUM	K, TOT	MG/L	6	.866666	.490667	.700478	.808242	.285968	1.70000	.100000	72/09/28	77/08/24
00940 CHLORIDE	CL	MG/L	6	3.06000	2.80000	1.67332	.557773	.683130	6.00000	2.00000	72/09/28	77/08/24
00945 SULFATE	SO4-TOT	MG/L	1	6.00000					6.00000	6.00000	77/08/24	77/08/24
01002 ARSENIC	AS, TOT	UG/L	1	10.0000					10.0000	10.0000	73/09/12	73/09/12
01027 CADMIUM	CD, TOT	UG/L	5	2.80000	16.2000	4.02492	1.43747	1.80000	10.0000	1.00000	73/03/07	77/08/24
01042 COPPER	CU, TOT	UG/L	5	2.80000	16.2000	4.02492	1.43747	1.80000	10.0000	1.00000	73/03/07	77/08/24
01045 IRON	FE, TOT	UG/L	6	48.3333	696.669	26.3945	.546093	10.7755	70.0000	10.0000	72/09/28	77/08/24
01051 LEAD	PB, TOT	UG/L	5	18.0000	320.000	17.8885	.993808	8.00000	50.0000	10.0000	73/03/07	77/08/24
01055 MANGNESE	MN	UG/L	6	10.8333	4.16675	2.04126	.188424	.833342	15.0000	10.0000	72/09/28	77/08/24
01092 ZINC	ZN, TOT	UG/L	5	4.80000	19.2000	4.38178	.912871	1.95959	10.0000	1.00000	73/03/07	77/08/24
01105 ALUMINUM	AL, TOT	UG/L	2	100.000	.000000	.000000	.000000	.000000	100.000	100.000	74/09/11	77/08/24
31501 TOT COLI	MFIMENDU	/100ML	6	898.333	417658	646.264	.719404	263.836	1720.00	130.000	72/09/28	77/08/24
31616 FEC COLI	MFIM-FCBR	/100ML	5	10.4000	162.800	12.7593	1.22686	5.70614	32.0000	2.00000	73/03/07	77/08/24
31679 FECSTREP	MF H-ENT	/100ML	1	330.000					330.000	330.000	77/08/24	77/08/24
70507 PHOS-T	URTHO	MG/L P	6	.009100	.000100	.009978	1.09645	.004073	.022820	.001000	72/09/28	77/08/24
71900 MERCURY	HG, TOTAL	UG/L	5	2.50000	5.25000	2.29129	.916515	1.02469	5.00000	.500000	73/03/07	77/08/24

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 46 08 30.0 115 56 30.0 2
 MAGGIE CR AT MOUTH
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771214
 0000 CLASS 00

/NTRIMT/AMBN/SPRING/STREAM

INDEX 1310001 002740 01350 1410
 MILES 0324.30 0139.30 077.70 000.10
 PARAMETER

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP CENT	2	19.2500	.125000	.353553	.018366	.250000	19.5000	19.0000	74/09/11	77/08/25
00070 TURB JKSN JIU	2	2.30000	2.00000	1.41421	.614875	1.00000	3.30000	1.30000	74/09/11	77/08/25
00094 CONDUCTVY FIELD MICRUMHU	2	97.0000	450.000	21.2132	.218893	15.0000	112.000	82.0000	74/09/11	77/08/25
00095 CONDUCTVY AT 25C MICRUMHU	2	97.5000	612.500	24.7487	.253833	17.5000	115.000	80.0000	74/09/11	77/08/25
00300 DO MG/L	1	7.90000					7.90000	7.90000	74/09/11	74/09/11
00335 COD LOWLEVEL MG/L	1	4.00000					4.00000	4.00000	77/08/25	77/08/25
00400 PH SU	1	8.00000					8.00000	8.00000	77/08/25	77/08/25
00403 LAB PH SU	2	8.00000	.080002	.282846	.035356	.200002	8.20000	7.80000	74/09/11	77/08/25
00410 T ALK CACU3 MG/L	2	51.0000	18.0000	4.24264	.083189	3.00000	54.0000	48.0000	74/09/11	77/08/25
00500 RESIDUE TOTAL MG/L	1	104.000					104.000	104.000	74/09/11	74/09/11
00530 RESIDUE TOT NFLT MG/L	1	2.00000					2.00000	2.00000	77/08/25	77/08/25
00610 NH3+NH4- N TOTAL MG/L	2	.024382	.000552	.023501	.963885	.016618	.041000	.007764	74/09/11	77/08/25
00615 NO2-N TOTAL MG/L	2	.002652	.000011	.003321	1.25213	.002348	.005000	.000304	74/09/11	77/08/25
00620 NO3-N TOTAL MG/L	1	.002257					.002257	.002257	74/09/11	74/09/11
00625 TOT NJEL N MG/L	1	.700000					.700000	.700000	77/08/25	77/08/25
00665 PHOS-TOT MG/L P	1	.070000					.070000	.070000	77/08/25	77/08/25
00669 PHOS-TOT HYDRO MG/L P	1	.060000					.060000	.060000	77/08/25	77/08/25
00900 TOT HARD CACU3 MG/L	1	36.0000					36.0000	36.0000	77/08/25	77/08/25
00916 CALCIUM CA-TOT MG/L	1	9.60000					9.60000	9.60000	77/08/25	77/08/25
00929 SODIUM NA,TOT MG/L	2	4.65000	.404983	.636383	.136857	.449991	5.10000	4.20000	74/09/11	77/08/25
00937 PISSIUM K,TOT MG/L	2	2.65000	.045000	.212132	.080050	.150000	2.80000	2.50000	74/09/11	77/08/25
00940 CHLORIDE CL MG/L	2	2.00000	.000000	.000000		.000000	2.00000	2.00000	74/09/11	77/08/25
00945 SULFATE SU4-TOT MG/L	1	6.00000					6.00000	6.00000	77/08/25	77/08/25
01027 CADMIUM CD,TOT UG/L	2	1.00000	.000000	.000000		.000000	1.00000	1.00000	74/09/11	77/08/25
01042 COPPER CU,TOT UG/L	2	5.50000	40.5000	6.36396	1.15708	4.50000	10.0000	1.00000	74/09/11	77/08/25
01045 IRON FE,TOT UG/L	2	120.000	7200.00	84.8528	.707107	60.0000	180.000	60.0000	74/09/11	77/08/25
01051 LEAD PB,TOT UG/L	2	30.0000	800.000	28.2843	.942809	20.0000	50.0000	10.0000	74/09/11	77/08/25
01055 MANGNESE MN UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	74/09/11	77/08/25
01092 ZINC ZN,TOT UG/L	2	6.00000	.000000	.000000		.000000	6.00000	6.00000	74/09/11	77/08/25
01105 ALUMINUM AL,TOT UG/L	2	100.000	.000000	.000000		.000000	100.000	100.000	74/09/11	77/08/25
31501 TOT COLI MFIMENDU /100ML	2	12000.0	.320E+08	5656.85	.471405	4000.00	16000.0	8000.00	74/09/11	77/08/25
31616 FEC COLI MFM-FCBR /100ML	2	710.000	696200	834.386	1.17519	590.000	1300.00	120.000	74/09/11	77/08/25
31679 FECSTREP MF M-ENT /100ML	1	1000.00					1000.00	1000.00	77/08/25	77/08/25
70507 PHOS-T URTHO MG/L P	2	.037430	.000005	.002220	.059321	.001570	.039000	.035860	74/09/11	77/08/25
71900 MERCURY HG,TOTAL UG/L	2	2.75000	10.1250	3.18198	1.15708	2.25000	5.00000	.500000	74/09/11	77/08/25

2020097
 46 08 45.0 115 50 30.0 2
 SUTTLER CK AT MOUTH
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 211DSURV 771214
 0000 CLASS 00

/NTRTMT/AMBNT/SPRING/STREAM

INDEX 1310001 002740 01350 1450
 MILES 0324.30 0139.30 083.60 000.10
 PARAMETER

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAN ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP CENT	2	14.7500	.125000	.353553	.023970	.250000	15.0000	14.5000	74/09/11	77/08/25
00070 TURB JKSJ JIU	2	12.8500	53.0449	7.28319	.566786	5.15000	18.0000	7.70000	74/09/11	77/08/25
00094 CONDUCTIVY FIELD MICROMHU	2	103.000	648.000	25.4558	.247144	18.0000	121.000	85.0000	74/09/11	77/08/25
00095 CONDUCTIVY AT 25C MICROMHU	2	110.000	392.000	19.7990	.179991	14.0000	124.000	96.0000	74/09/11	77/08/25
00300 DO MG/L	1	9.10000					9.10000	9.10000	74/09/11	74/09/11
00335 COD LOWLEVEL MG/L	1	4.00000					4.00000	4.00000	77/08/25	77/08/25
00400 PH SU	1	7.90000					7.90000	7.90000	77/08/25	77/08/25
00403 LAB PH SU	2	8.00000	.080002	.282846	.035356	.200002	8.20000	7.80000	74/09/11	77/08/25
00410 T ALK CACU3 MG/L	2	55.5000	84.5000	9.19239	.165629	6.50000	62.0000	49.0000	74/09/11	77/08/25
00500 RESIDUE TOTAL MG/L	1	128.000					128.000	128.000	74/09/11	74/09/11
00530 RESIDUE TOT NFLT MG/L	1	59.0000					59.0000	59.0000	77/08/25	77/08/25
00610 NH3+NH4- N TOTAL MG/L	2	.022882	.000457	.021380	.934364	.015118	.038000	.007764	74/09/11	77/08/25
00615 NO2-N TOTAL MG/L	2	.003152	.000016	.004028	1.27784	.002848	.006000	.000304	74/09/11	77/08/25
00620 NO3-N TOTAL MG/L	1	.018059					.018059	.018059	74/09/11	74/09/11
00625 TOT KJEL N MG/L	1	.930000					.930000	.930000	77/08/25	77/08/25
00665 PHOS-TOT MG/L P	1	.180000					.180000	.180000	77/08/25	77/08/25
00669 PHOS-TOT HYDRO MG/L P	1	.160000					.160000	.160000	77/08/25	77/08/25
00900 TOT HARD CACU3 MG/L	1	40.0000					40.0000	40.0000	77/08/25	77/08/25
00916 CALCIUM CA-TOT MG/L	1	11.2000					11.2000	11.2000	77/08/25	77/08/25
00929 SODIUM NA,TOT MG/L	2	4.65000	.245010	.494985	.106448	.350007	5.00000	4.30000	74/09/11	77/08/25
00937 POTASSIUM K,TOT MG/L	2	5.15000	13.0050	3.60624	.700242	2.55000	7.70000	2.60000	74/09/11	77/08/25
00940 CHLORIDE CL MG/L	2	1.50000	.500000	.707107	.471404	.500000	2.00000	1.00000	74/09/11	77/08/25
00945 SULFATE SU4-TOT MG/L	1	7.00000					7.00000	7.00000	77/08/25	77/08/25
01027 CADMIUM CD,TOT UG/L	2	1.00000	.000000	.000000		.000000	1.00000	1.00000	74/09/11	77/08/25
01042 COPPER CU,TOT UG/L	2	5.50000	40.5000	6.36396	1.15708	4.50000	10.0000	1.00000	74/09/11	77/08/25
01045 IRON FE,TOT UG/L	2	945.000	1566450	1251.58	1.32442	885.000	1830.00	60.0000	74/09/11	77/08/25
01051 LEAD PB,TOT UG/L	2	30.0000	800.000	28.2843	.942809	20.0000	50.0000	10.0000	74/09/11	77/08/25
01055 MANGNESE MN UG/L	2	70.0000	5000.00	70.7107	1.01015	50.0000	120.000	20.0000	74/09/11	77/08/25
01092 ZINC ZN,TOT UG/L	2	1.50000	.500000	.707107	.471404	.500000	2.00000	1.00000	74/09/11	77/08/25
01105 ALUMINUM AL,TOT UG/L	2	555.000	594050	770.746	1.38873	545.000	1100.00	10.0000	74/09/11	77/08/25
31501 TOT COLI MFIMENDU /100ML	2	12000.0	.320E+08	5656.85	.471405	4000.00	16000.0	8000.00	74/09/11	77/08/25
31616 FEC COLI MFM-FCBR /100ML	2	360.000	115200	339.411	.942809	240.000	600.000	120.000	74/09/11	77/08/25
31679 FECSTREP MF M-ENT /100ML	1	1000.00					1000.00	1000.00	77/08/25	77/08/25
70507 PHOS-T ORTHO MG/L P	2	.069250	.000300	.017324	.250167	.012250	.081500	.057000	74/09/11	77/08/25
71900 MERCURY HG,TOTAL UG/L	2	2.75000	10.1250	3.18198	1.15708	2.25000	5.00000	.500000	74/09/11	77/08/25

RAW DATA

STORET RETRIEVAL DATE 81/01/08

2020074
46 10 05.0 115 44 35.0 2
LITTLE SMITH CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IOSURV 771004

/TYP/AMBNT/STREAM

INDEX 1310001 002740 01350 0010
MILES 0324.30 0139.30 090.70 001.00

DATE FROM TO	TIME OF DAY	DEPTH FEET	NH3+NH4- N TOTAL MG/L	NO2-N TOTAL MG/L	NO3-N TOTAL MG/L	TOT KJEL N MG/L	70507 PHOS-T ORTHO MG/L P	00665 PHOS-TOT MG/L P	00669 PHOS-TOT HYDRO MG/L P	00076 TURB TRAPMIR HACH FTU	00070 TURB JKSN JTH	00530 RESIDUE TOT NF/LT MG/L
72/09/07					0.023K		0.007				2.0	
73/03/07			0.078K	0.0003K	0.135		0.020				3.0	
73/09/11				0.0003K	0.271		0.007				3.0	
74/03/11			0.078	0.002	0.451		0.003K				2.0	
74/09/11			0.008K	0.0003K	0.002K		0.003K				2.1	
75/07/01			0.070	0.0003	0.002K		0.574				1.3	14
76/11/16			0.050	0.001	0.020	1.400	0.025	0.080	0.040		1.1	2K
77/03/16			0.010	0.001	0.010	1.050	0.016	0.030	0.010		1.0	4
77/08/24			0.010K	0.001		0.400	0.001K	0.040	0.030		1.3	2K

STORET RETRIEVAL DATE 81/01/08

2020074
 46 10 05.0 115 44 35.0 2
 LITTLE SMITH CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYP/ANBHT/STREAM

INDEX 1310001 002740 01350 0010
 MILES 0324.30 0139.30 090.70 001.00

DATE	TIME	DEPTH	CONDUCTVY	CONDUCTVY	RESIDUE	T ALK	HC03 ALK	CU3 ALK	TOT HARD	SODIUM	PTSSIUM	CHLORIDE
FROM	OF	AT 25C	FIELD	TOTAL	CAC03	CAC03	CAC03	CAC03	NA,TOT	K,TOT	CL	
TO	DAY	FEET	MICROMHO	MICROMHO	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
72/09/07			66		76					2.00	0.30	2
73/03/07			56		56	36				1.00	0.20	4
73/09/11			86		116	56				2.00	0.50	2
74/03/11			72		380	32				2.00	1.70	4
74/09/11			78	R5	83	52				1.90	0.80	4
75/07/01			92		108	44				1.80	1.00	4
76/11/16			105		87	50			44	2.00	1.00	2K
77/03/16			99		91	39	39	1K	48	1.70	1.10	2K
77/08/24			108		104	44			44	2.10	1.00	2K

STORET RETRIEVAL DATE 81/01/08

2020074
 46 10 05.0 115 44 35.0 2
 LITTLE SMITH CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYPA/AMHNT/STREAM

INDEX 1310001 002740 01350 0010

MILES 0324.30 0139.30 090.70 001.00

DATE	TIME	DEPTH	SULFATE	IRON	MANGNESE	ARSENIC	CADMIUM	CHROMIUM	COPPER	LEAD	ZINC	MERCURY
FROM	OF	FEET	SO4-TOT	FE-TOT	MM	AS-TOT	CD-TOT	CR-TOT	CU-TOT	PB-TOT	ZN-TOT	HG-TOTAL
TO	DAY		MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
72/09/07				70	10.0K			1K		2K	10K	1K
73/03/07				40	10.0K			1K		1K	10K	1K
73/09/11				30	20.0	10K		1K		1K	10K	1K
74/03/11				110	10.0K			10K		1K	10K	10K
74/09/11				10	10.0K			1K		1K	10K	1
75/07/01				210	10.0			1K		2	20	42
76/11/16			10K	50	10.0K			5K		10K	10K	5
77/03/16			10K	40	10.0K	10K		1K	10K	10K	50K	1
77/08/24			7	710	10.0K			1K	10K	10K	50K	15

STORET RETRIEVAL DATE 81/01/08

2020074
46 10 05.0 115 44 35.0 2
LITTLE SMITH CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/TYPA/AMHNT/STREAM

INDEX 1310001 002740 01350 0010
MILES 0324.30 0139.30 090.70 001.00

01105

DATE	TIME	DEPTH	ALUMINUM
FROM	OF		AL, TBT
TO	DAY	FEET	UG/L

74/09/11			100
75/07/01			100
76/11/16			100K
77/03/16			100K
77/08/24			100K

STORET RETRIEVAL DATE 81/01/08

2020075
 46 10 40.0 115 44 00.0 2
 BIG SMITH CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYPA/AMBNT/STRFAM

INDEX 1310001 002740 01350 0040
 MILES 0324.30 0139.30 090.90 002.50

DATE FROM TO	TIME OF DAY	DEPTH FEET	WATER TEMP CENT	STREAM FLOW, INST-CFS	00300 DO MG/L	00310 ROD 5 DAY MG/L	00335 COD LOWLEVEL MG/L	00400 PH SU	00403 LAH PH SU	31501 TOT COLI MFIMENDO /100ML	31616 FEC COLI MFM-FCBR /100ML	31679 FECSTREP MF M-ENT /100ML
72/09/07			8.5		10.9			8.70				
73/03/07			2.0		11.4				7.3	52	4K	
73/09/11			11.5		7.7				8.5	640	4	
74/03/11			1.5		12.0				7.3	48	2K	
74/09/11			8.0		10.5				7.8	660	6	
75/07/01			8.5	4	11.0			7.40	6.6	160	12	
76/11/16			4.0	1	13.9		1.0K	7.20	7.6	500	1K	2J
77/03/16			0.3	3	13.0		3.0K	7.40	7.2	20	1K	1K
77/08/24			12.5		14.6		4.0	7.80	8.1	380	14	172

STORET RETRIEVAL DATE 81/01/08

2020075
 46 10 40.0 115 44 00.0 2
 BIG SMITH CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 0040
 MILES 0324.30 0139.30 090.90 002.50

DATE	TIME	DEPTH	CONDUCTVY	CONDUCTVY	RESIDUE	T ALK	HCO3 ALK	CO3 ALK	TOT HARD	SODIUM	POTASSIUM	CHLORIDE
FROM	OF	AT 25C	FIELD	TOTAL		CAC03	CAC03	CAC03	CAC03	NA,TOT	K,TOT	CL
TO	DAY	FEET	MICROMHO	MICROMHO	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
72/09/07			65		92					2.00	0.30	2
73/03/07			57		64	32				1.00	0.10	8
73/09/11			83		108	58				2.00	0.40	3
74/03/11			50		287	36				2.00	1.40	4
74/09/11			69	72		46				2.00	0.80	2
75/07/01			64		87	32				1.30	1.00	2K
76/11/16			86		71	40			34	2.10	0.90	2K
77/03/16			74		62	31	31	1K	36	1.80	1.00	2K
77/08/24			98		104	44			48	1.90	0.80	2K

STORET RETRIEVAL DATE 81/01/08

2020075
 46 10 40.0 115 44 00.0 2
 BIG SMITH CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 2110SURV 771004

/TYPA/AMOUNT/STREAM

INDEX 1310001 002740 01350 0040
 MILES 0324.30 0139.30 090.90 002.50

DATE	TIME	DEPTH	SULFATE	IRON	MANGNESE	ARSENIC	CADMIUM	CHROMIUM	COPPER	LEAD	ZINC	MERCURY
FROM	OF	FEET	SO4-TOT	FE,TOT	MN	AS,TOT	CD,TOT	CR,TOT	CU,TOT	PB,TOT	ZN,TOT	HG,TOTAL
TO	DAY		MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
72/09/07				30	10.0K		1K			2K	10K	1K
73/03/07				50	10.0		1K			1K	10K	1K
73/09/11				130	20.0	10K	1K			1K	10	1K
74/03/11				80	10.0K		10K			1K	10K	10K
74/09/11				10	10.0K		1K			1K	10K	3
75/07/01				70	10.0K		1K			2	10	5
76/11/16			10K	60	10.0K		5K			10K	10K	5
77/03/16			10K	10	10.0K	10K	1K	10K		10K	50K	1K
77/08/24			7	120	10.0K		1K			10K	50K	1K

STORET RETRIEVAL DATE 81/01/08

2020075
46 10 40.0 115 44 00.0 2
BIG SMITH CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/TYPA/AMUNT/STREAM

INDEX 1310001 002740 01350 0040
MILES 0324.30 0139.30 090.90 002.50
01105

DATE	TIME	DEPTH	ALUMINUM
FROM	OF		AL, TOT
TO	DAY	FEET	UG/L

74/09/11			100
75/07/01			100
76/11/16			100K
77/03/16			100K
77/08/24			100K

STORET RETRIEVAL DATE 81/01/08

2020076
 46 11 55.0 115 43 40.0 2
 PETE KING CREEK AT RM 7.0
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 211DSURV 771004

/TYP/AMRNT/STREAM

INDEX 1310001 002740 01350 1690 1570
 MILES 0324.30 0139.30 097.60 002.20 007.00

DATE	TIME	DEPTH	WATER	STREAM	DO	00310	00335	00400	00403	31501	31616	31679
FROM	OF	FEET	TEMP	FLOW,	MG/L	5 DAY	LOWLEVEL	PH	LAB	TOT COLI	FEC COLI	FECSTREP
TO	DAY		CENT	INST-CFS		MG/L	MG/L	SU	SU	/100ML	/100ML	/100ML
72/09/07			7.5		10.1							
73/03/07			1.0		11.2			7.90				
73/09/11			10.0		7.5				7.2	260	64	
74/03/11			1.0		11.4				8.1	220	2K	
74/09/11			7.5		9.7				6.9	110	4	
75/07/01			7.5	22	10.6				7.4	1520	4	
76/11/16			3.6	3	13.6		1.0	7.50	6.7	500	10	
77/08/24			12.5		13.6		4.0	7.00	7.3	2100	4J	6J
								7.70	7.8	1680	10	194

STORET RETRIEVAL DATE 01/01/08

2020076
 46 11 55.0 115 43 40.0 2
 PETE KING CREEK AT RR 7.0
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1690 1570
 MILES 0324.30 0139.30 097.60 002.20 007.00

DATE	TIME	DEPTH	NH3+NH4-	NO2-N	NO3-N	TOT N	TOT KjEL	PHOS-T	PHOS-TOT	PHOS-TOT	TURB	TURB	RESIDUE
FROM	OF	N	TOTAL	TOTAL	TOTAL	N	ORTH0	ORTH0	HYDR0	TRBDMTR	JKSN	TOT NFLT	
TO	DAY	FEET	MG/L	MG/L	MG/L	MG/L	MG/L P	MG/L P	MG/L P	HACH FTU	JTU	MG/L	
72/09/07					0.023			0.003					
73/03/07			0.155	0.0003	0.203			0.020				2.0	
73/09/11			0.078	0.0003K	0.474			0.003K				2.0	
74/03/11			0.155	0.0003	0.451			0.003				1.5	
74/09/11			0.008K	0.0003K	0.002K			0.003K				1.8	
75/07/01			0.186	0.0003	0.002K			0.010				1.5	18
76/11/16			0.020	0.004	0.010	0.300	0.019	0.070	0.070			3.0	9
77/08/24			0.010	0.001		0.600	0.009	0.040	0.030			1.7	2K

STORET RETRIEVAL DATE 81/01/08

2020076
 46 11 55.0 115 43 40.0 2
 PETE KING CREEK AT RM 7.0
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYP/AMBNT/STREAM

INDEX 1310001 002740 01350 1690 1570
 MILES 0324.30 0139.30 097.60 002.20 007.00

DATE FROM TO	TIME OF DAY	DEPTH FEET	CONDUCTVY AT 25C MICROMHO	CONDUCTVY FIELD MICROMHO	RESIDUE TOTAL MG/L	T ALK CACO3 MG/L	HCO3 ALK CACO3 MG/L	CO3 ALK CACO3 MG/L	TOT HARD CACO3 MG/L	SODIUM NA,TOT MG/L	POTASSIUM K,TOT MG/L	CHLORIDE CL MG/L
72/09/07			43		64					4.00	0.50	5
73/03/07			37		48	28				2.00	0.10	8
73/09/11			50		64	38				2.00	0.40	4
74/03/11			34		288	28				2.00	1.30	2
74/09/11			44	42	59	36				2.70	1.00	3
75/07/01			44		84	24				1.90	0.90	2K
76/11/16			54		62	28			16	2.50	0.90	2K
77/08/24			63		83	29			24	2.70	0.90	2K

STORET RETRIEVAL DATE 81/01/08

2020076
46 11 55.0 115 43 40.0 2
PETE KING CREEK AT RM 7.0
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21INSURV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1690 1570
MILES 0324.30 0139.30 097.60 002.20 007.00

DATE	TIME	DEPTH	SULFATE	IRON	MANGNESE	ARSENIC	CADMIUM	CHROMIUM	COPPER	LEAD	ZINC	MERCURY	
FROM	OF	SN4-TOT	FE,TOT	AS,TOT	CD,TOT	CR,TOT	CU,TOT	PB,TOT	ZN,TOT	HG,TOTAL			
TO	DAY	FEET	MG/L	UG/L	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
72/09/07				10	10.0			1K		2K	10K	1K	0.3K
73/03/07				120	10.0K			1K		1K	10K	1K	1.0K
73/09/11				140	10.0K	10K		14		1K	40	1K	1.0K
74/03/11				20	10.0K			10K		1K	10K	10K	0.5K
74/09/11				120	10.0			1K		1K	10K	1K	5.0K
75/07/01				230	10.0K			1K		1K	10	7	5.0K
76/11/16				360	10.0			5K		10K	10K	4	5.0K
77/08/24			6	360	20.0			1K		10K	50K	4	0.5K

STORET RETRIEVAL DATE 81/01/08

2020076
46 11 55.0 115 43 40.0 2
PETE KING CREEK AT RM 7.0
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/TYPA/AMBIT/STREAM

INDEX 1310001 002740 01350 1690 1570
MILES 0324.30 0139.30 097.60 002.20 007.00

01105

DATE	TIME	DEPTH	ALUMINUM
FROM	OF		AL, TOT
TO	DAY	FEET	UG/L

74/09/11			100K
75/07/01			100
76/11/16			100K
77/08/24			100

STORET RETRIEVAL DATE 81/01/08

2020077
 46 13 15.0 115 44 20.0 2
 RAT CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYP/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260 0100
 MILES 0324.30 0139.30 054.10 021.50 004.90 000.50

DATE FROM TO	TIME OF DAY	DEPTH FEET	WATER TEMP CENT	STREAM FLOW, INST-CFS	DO MG/L	00310 BOD 5 DAY MG/L	00335 COD LOWLEVEL MG/L	00400 PH SU	00403 PH SU	31501 TOT COLI NFIMEND /100ML	31616 FFC COLI MEM-FCRP /100ML	31679 FECSTREP MF M-ENT /100ML
72/09/07			8.0		9.8			8.20				
73/03/07			1.0		11.4							
73/09/11			10.5		7.2				7.6	88	4K	
74/03/11			1.0		11.2				8.1	500	6	
74/09/11			7.5		9.2				7.0	40	2K	
75/07/01			8.0	8	10.8				7.4	1500	6	
76/11/16			3.0	2	13.2		1.0	7.30	6.5	280	6	
77/03/16			0.8		12.6		3.0	7.50	7.2	1080	20J	2J
77/08/24			11.5		13.2		15.0	7.80	7.3	40	2K	1K
								7.80	7.9	6700	170	470

STORET RETRIEVAL DATE 81/01/08

2020077
46 13 15.0 115 44 20.0 2
BAT CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/TYP/AMHNT/STREAM

INDEX 1310001 002740 01350 1130 0260 0100
MILES 0324.30 0139.30 054.10 021.50 004.90 000.50

DATE	TIME	DEPTH	NH3+NH4-	NO2-N	NO3-N	TOT KjEL	PHOS-T	PHOS-TOT	PHOS-TOT	TURB	TURB	RESIDUE
FROM	OF	N	TOTAL	TOTAL	TOTAL	N	ORTHO	MG/L P	HYDRO	TURBIDMTR	JKSN	TOT NFLT
TO	DAY	FEET	MG/L	MG/L	MG/L	MG/L	MG/L P	MG/L P	MG/L P	HACH FTU	JTU	MG/L
72/09/07					0.023		0.007				3.0	
73/03/07			0.078	0.0003	0.158		0.029				2.0	
73/09/11			0.078	0.0003	0.384		0.007				2.0	
74/03/11			0.078	0.002	0.587		0.003K				2.0	
74/09/11			0.016	0.0003K	0.002K		0.003K				1.4	
75/07/01			0.132	0.0003	0.002K		0.055				1.9	27
76/11/16			0.010	0.001	0.010K	0.250	0.021	0.060	0.060		2.2	7
77/03/16			0.010	0.001	0.010	0.890	0.021	0.020	0.020		1.0	5
77/08/24			0.010K	0.001		0.740	0.026	0.080	0.060		2.4	7

STORET RETRIEVAL DATE 81/01/08

2020077
 46 13 15.0 115 44 20.0 2
 RAT CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260 0100
 MILES 0324.30 0139.30 054.10 021.50 004.90 000.50

DATE	TIME	DEPTH	CONDUCTVY	CONDUCTVY	RESIDUE	T ALK	HC03 ALK	CO3 ALK	TOT HARD	SODIUM	PTSSTUM	CHLORIDE
FROM	OF	AT 25C	FIELD	TOTAL	CAC03	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
TO	DAY	FEET	MICROMHD	MICROMHD	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
72/09/07			55		68					3.00	0.50	4
73/03/07			48		64	32				1.00	0.10	6
73/09/11			63		80	44				2.00	0.40	4
74/03/11			40		307	32				2.00	1.30	2
74/09/11			53	55	68	38				2.50	0.90	3
75/07/01			48		76	20				1.90	0.90	2K
76/11/16			63		70	32			26	2.20	0.90	2K
77/03/16			66		64	25	25	1K	28	2.00	0.90	2K
77/08/24			75		100	33			28	2.80	1.20	2K

STORET RETRIEVAL DATE 81/01/08

2020077
 46 13 15.0 115 44 20.0 2
 RAT CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260 0100
 MILES 0324.30 0139.30 054.10 021.50 004.90 000.50

DATE	TIME	DEPTH	00945	01045	01055	01002	01027	01034	01042	01051	01092	71900
FROM	OF	SO4-TOT	FE, TOT	MN	AS, TOT	CD, TOT	CR, TOT	CU, TOT	PB, TOT	ZN, TOT	HG, TOTAL	
TO	DAY	FEET	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
72/09/07				30	10.0K			1K	2K	10K	1	0.3K
73/03/07				20	10.0K			1K	1K	10K	1K	1.0K
73/09/11				270	1.0K	10K	12	1K	1K	10	1K	1.0K
74/03/11				90	10.0K		10K	1K	1K	10K	10K	0.5K
74/09/11				50	20.0		1K	1K	1K	10K	64	5.0K
75/07/01				170	10.0K		1K	1K	1K	10K	2	5.0K
76/11/16			10K	200	10.0K		5K	10K	10K	10K	7	5.0K
77/03/16			10K	130	10.0K	10K	1K	10K	10K	50K	1K	2.0K
77/08/24			7	510	40.0		1K	10K	10K	50K	3	0.5K

STORET RETRIEVAL DATE 81/01/08

2020077
46 13 15.0 115 44 20.0 2
RAT CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260 0100
MILES 0324.30 0139.30 054.10 021.50 004.90 000.50

01105
DATE TIME DEPTH ALUMINUM
FROM OF AL, TOT
TO DAY FEET UG/L

74/09/11			100K
75/07/01			100K
76/11/16			100K
77/03/16			100K
77/08/24			300

STORET RETRIEVAL DATE: 01/01/08

2020078
 46 13 20.0 115 44 25.0 2
 STRAY CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYP/A/MBNT/STREAM

INDEX 1310001 002740 01350 1130 0260 0080
 MILES 0324.30 0139.30 054.10 021.50 004.80 000.50

DATE FROM TO	TIME OF DAY	DEPTH FEET	WATER TEMP C/NT	STREAM FLOW, INST-CFS	00300 DO MG/L	00310 BOD 5 DAY MG/L	00335 COND LOWLEVEL MG/L	00400 PH SU	00403 LAB PH SU	31501 TOT COLI MFIMENDD /100ML	31616 FEC COLI MFM-PCBR /100ML	31679 FECSTREP MF H-ENT /100ML
72/09/07			8.1		8.9			8.50				
73/03/07			1.0		11.2				7.5	76	4K	
73/09/11			10.0		7.6				8.0	480	2K	
74/03/11			1.0		12.1				7.0	12	2K	
74/09/11			8.0		10.1				7.5	800	2	
75/07/01			7.5	3	11.1			7.20	6.5	260	6	
76/11/16			2.5	1	13.6		1.0K	7.30	7.7	600	2K	2K
77/03/16			0.9		12.8			7.50	7.1	20	2K	1K
77/08/24				2			26.0	7.40	7.9	2250	170	600

STORET RETRIEVAL DATE 81/01/08

2020078
 46 13 20.0 115 44 25.0 2
 STRAY CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYPA/AMHNT/STREAM

INDEX 1310001 002740 01350 1130 0260 0080
 MILES 0324.30 0139.30 054.10 021.50 004.80 000.50

DATE	TIME	DEPTH	NH3+NH4-	NO2-N	NO3-N	TOT N	TOT KJEL	PHOS-T	PHOS-TOT	PHOS-TOT	TURB	TURB	RESIDUE
FROM	OF	"	" TOTAL	TOTAL	TOTAL	N	N	ORTHO	MG/L P	MG/L P	TRBIDMTR	JKSN	TOT NFLT
TO	DAY	FEET	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L P	MG/L P	MG/L P	HACH FTU	JTU	MG/L
72/09/07					0.045			0.007				2.0	
73/03/07			0.078	0.0003	0.226			0.026				2.0	
73/09/11			0.233	0.0003K	0.497			0.010				3.0	
74/03/11			0.155	0.002	0.880			0.007				2.0	
74/09/11			0.171	0.0003K	0.002K			0.016				1.7	
75/07/01			0.637	0.0003	0.002K			0.023				2.0	19
76/11/16			0.030	0.001K	0.010	0.640		0.034	0.100	0.100		1.6	7
77/03/16			0.010	0.001	0.010	0.680		0.025	0.020	0.030		1.3	4
77/08/24			0.010	0.002		0.700		0.060	0.150	0.130		7.3	22

STORET RETRIEVAL DATE 81/01/08

2020078
 46 13 20.0 115 44 25.0 2
 STRAY CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 211DSURV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260 0080
 MILES 0324.30 0139.30 054.10 021.50 004.80 000.50

DATE	TIME	DEPTH	CONDUCTVY	CONDUCTVY	RESIDUE	T ALK	HC03 ALK	CO3 ALK	TOT HARD	SODIUM	PTSSIUM	CHLORIDE
FROM	OF	AT 25C	FIELD	TOTAL		CAC03	CAC03	CAC03	CAC03	NA,TOT	K,TOT	CL
TO	DAY	FEET	MICROMHO	MICROMHO	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
72/09/07			42		60					3.00	0.40	4
73/03/07			41		56	32				2.00	0.10	8
73/09/11			65		84	40				3.00	0.70	3
74/03/11			35		72	28				2.00	1.40	2
74/09/11			52	53	76	36				3.10	1.00	2
75/07/01			48		77	28				2.00	0.90	2K
76/11/16			72		78	34			28	2.80	0.90	2K
77/03/16			55		73	24	24	1K	28	2.50	1.10	2K
77/08/24			84		125	35			32	3.00	1.60	2K

STORET RETRIEVAL DATE 81/01/08

2020078
 46 13 20.0 115 44 25.0 2
 STAY CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYP/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260 0080
 MILES 0324.30 0139.30 054.10 021.50 004.80 000.50

DATE	TIME	DEPTH	SULFATE	IRON	MANGNESE	ARSENIC	CADMIUM	CHROMIUM	COPPER	LEAD	ZINC	MERCURY	
FROM	OF		SO4-TOT	FE,TOT	MN	AS,TOT	CD,TOT	CR,TOT	CU,TOT	PB,TOT	ZN,TOT	HG,TOTAL	
TO	DAY	FEET	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
72/09/07				10	20.0			1K		2K	10K	1K	0.3K
73/03/07				90	10.0K			1K		1K	10K	1K	1.0K
73/09/11				180	20.0	10K		1K		1K	10K	1K	1.0K
74/03/11				100	10.0K			10K		1K	10K	10K	10.0
74/09/11				110	30.0			1K		1K	10K	1K	5.0K
75/07/01				100	20.0			1K		1	10K	3	5.0K
76/11/16			10K	210	10.0K			5K		10K	10K	6	5.0K
77/03/16			10K	100	10.0K	10K		1K	10K	10K	50K	1K	0.2K
77/08/24			9	1860	190.0			1K		10K	50K	11	0.5K

STORET RETRIEVAL DATE 81/01/08

202007A
46 13 20.0 115 44 25.0 2
STRAY CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/TYP/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260 0080

MILES 0324.30 0139.30 054.10 021.50 004.80 000.50

01105

DATE	TIME	DEPTH	ALUMINUM
FROM	OF		AL,TOT
TO	DAY	FEET	UG/L

74/09/11			100K
75/07/01			200
76/11/16			100K
77/03/16			100K
77/08/24			1300

STORET RETRIEVAL DATE 81/01/08

2020079
46 14 10.0 115 44 30.0 2
YAKUS CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
211DSHRV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260
MILES 0324.30 0139.30 054.10 021.50 003.00

DATE	TIME	DEPTH	WATER	STREAM	DO	00310	00335	00400	00403	31501	31616	31679
FROM	OF	TEMP	TEMP	FLOW,	NO	R0D	LOWLEVEL	PH	LAB	TOT COLI	FEC COLI	FECSTREP
TO	DAY	FEET	CENT	INST-CFS	MG/L	5 DAY	MG/L	SU	PH	MFIMENDO	MFK-FCRR	MF M-ENT
										/100ML	/100ML	/100ML
74/09/11			8.5		10.0				7.8	1600L	50	
75/07/01			9.0	13	10.6			7.30	6.6	360	2	
76/11/16			2.5	3	13.6		1.0	7.20	7.4	1040	2J	2J
77/03/16			1.0		13.0		3.0	7.80	6.9	20	2K	1K
77/08/24							15.0	7.10	7.8	6700	310	550

STURET RETRIEVAL DATE 81/01/08

2020079
 46 14 10.9 115 44 30.0 2
 YAKUS CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYP/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260
 MILES 0324.30 0139.30 054.10 021.50 003.00

DATE FROM TO	TIME OF DAY	DEPTH FEET	NH3+NH4- N TOTAL MG/L	NO2-N TOTAL MG/L	NO3-N TOTAL MG/L	TOT KjEL N MG/L	70507 PHOS-T ORTHO MG/L P	00665 PHOS-TOT MG/L P	00669 PHOS-TOT HYDRO MG/L P	00076 TURB TRBIDMTR HACH FTU	00070 TURB JKSN JTU	00530 RESIDUE TOT NFLT MG/L
74/09/11			0.116	0.001	0.002		0.026				3.8	
75/07/01			0.070	0.001	0.002K		0.023				2.0	17
76/11/16			0.080	0.001K	0.010	0.840	0.023	0.070	0.070		2.3	9
77/03/16			0.010	0.001	0.010	0.890	0.020	0.020	0.010		0.9	9
77/08/24			0.010	0.003		0.700	0.039	0.160	0.120		10.0	29

STORET RETRIEVAL DATE 81/01/08

2020079
 46 14 10.0 115 44 30.0 2
 YAKUS CREEK
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260
 MILES 0324.30 0139.30 054.10 021.50 003.00

DATE FROM TO	TIME OF DAY	DEPTH FEET	CONDUCTVY AT 25C MICROMHO	CONDUCTVY FIELD MICROMHO	RESIDUE TOTAL MG/L	00410 T ALK CACO3 MG/L	00425 HCO3 ALK CACO3 MG/L	00430 CO3 ALK CACO3 MG/L	00900 TOT HARD CACO3 MG/L	00929 SODIUM NA, TOT MG/L	00937 PTSSIUM K, TOT MG/L	00940 CHLORIDE CL MG/L
74/09/11			49	50	83	34				3.00	1.10	2
75/07/01			49		84	24				1.90	1.00	2K
76/11/16			59		66	30			20	2.50	0.90	2K
77/03/16			53		64	22	22	1K	28	2.20	0.90	2K
77/08/24			73		127	31			24	2.70	1.20	2K

SECRET RETRIEVAL DATE 81/01/08

2020079
46 14 10.0 115 44 30.0 2
YAKUS CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SHAKE RIVER BASIN
211DSURV 771004

/TYPE/AMOUNT/STREAM

INDEX 1310001 002740 01350 1130 0260
MILES 0324.30 0139.30 054.10 021.50 003.00

DATE	TIME	DEPTH	00945	01045	01055	01002	01027	01034	01042	01051	01092	71900
FROM	OF	DEPTH	SULFATE	IRON	MANGNESE	ARSENIC	CADMIUM	CHROMIUM	COPPER	LEAD	ZINC	MERCURY
TO	DAY	FEET	SO4-TOT	FE,TOT	MM	AS,TOT	CD,TOT	CR,TOT	CU,TOT	PB,TOT	ZN,TOT	HG,TOTAL
			MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
74/09/11				140	40.0		1K		1K	10K	4	5.0K
75/07/01				140	20.0		1K		1	10K	3	5.0K
76/11/16			10K	230	10.0K		5K		10K	10K	3	5.0K
77/03/16			10K	120	10.0K	10K	1K	10K	10K	50K	1K	0.2K
77/08/24			9	990	90.0		1K		10K	50K	4	0.5K

STORET RETRIEVAL DATE 81/01/08

2020079
46 14 10.0 115 44 30.0 2
YAKUS CREEK
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21DSHRV 771004

/TYP/AMBNT/STREAM

INDEX 1310001 002740 01350 1130 0260
MILES 0324.30 0139.30 054.10 021.50 003.00
01105

DATE	TIME	DEPTH	ALUMINUM
FRDM	OF		AL, TOT
TO	DAY	FEET	UG/L

74/09/11			100K
75/07/01			100
76/11/16			100K
77/03/16			100K
77/08/24			600

STORET RETRIEVAL DATE 81/01/08

2020080
 46 11 10.0 115 48 00.0 2
 SUTTLER CREEK AT RM 4.0
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYP/A-MBNT/STREAM

INDEX 1310001 002740 01350 1450
 MILES 0324.30 0139.30 083.60 004.00

DATE	TIME	DEPTH	WATER	STREAM	DO	BOD	COD	PH	I,AB	TOT COLI	FEC COLI	FECSTREP
FROM	OF	TEMP	TEMP	FLOW	5 DAY	LOWLEVFL	PH	PH	PH	MPHENDO	MPH-FCBR	MP M-ENT
TO	DAY	FEET	CENT	INST-CFS	MG/L	MG/L	MG/L	SU	SU	/100ML	/100ML	/100ML
75/07/01			10.0	1	10.2			7.10	6.8	580	6	
76/11/16			3.5	0.2	13.5		1.0K	7.20	7.3			
77/08/25			12.0				15.0	8.30	8.0	4900	120	880

STORET RETRIEVAL DATE 81/01/08

2020080
 46 11 10.0 115 48 00.0 2
 SUTTLER CREEK AT RM 4.0
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYP/AMBNT/STREAM

INDEX 1310001 002740 01350 1450
 MILES 0324.30 0139.30 083.60 004.00

DATE	TIME	DEPTH	NH3+NH4-	NO2-N	NO3-N	TOT KJEL	PHOS-T	PHOS-TOT	PHOS-TOT	TURB	TURB	RESIDUE
FROM	OF	N	TOTAL	TOTAL	TOTAL	N	ORTHO	MG/L P	MG/L P	HYDRO	TRBIDMTR	TOT NFLT
TO	DAY	FEET	MG/L	MG/L	MG/L	MG/L	MG/L P	MG/L P	MG/L P	HACH FTU	JTJ	MG/L
75/07/01			0.272	0.001	0.002K		0.016					3.6
76/11/16			0.010	0.002	0.030	0.740	0.033	0.100	0.080			7.5
77/08/25			0.027	0.002		0.790	0.026	0.130	0.130			10.0

STORET RETRIEVAL DATE 81/01/08

2020080
46 11 10.0 115 48 00.0 2
SUTTLE CREEK AT RM 4.0
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/TYPA/AMBNT/STPFAM

INDEX 1310001 002740 01350 1450
MILES 0324.30 0139.30 083.60 004.00

DATE	TIME	DEPTH	CONDUCTVY	CONDUCTVY	RESIDUE	T ALK	HC03 ALK	CO3 ALK	TOT HARD	SODIUM	PTSSIUM	CHLORIDE
FROM	OF	AT 25C	FIELD	FIELD	TOTAL	CAC03	CAC03	CAC03	CAC03	NA,TOT	K,TOT	CL
TO	DAY	FEET	MICROMHO	MICROMHO	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
75/07/01			76		109	28				3.20	1.10	2K
76/11/16			95		116	42			34	3.80	1.40	2K
77/08/25			98	60		38			36	4.30	1.40	2K

STORET RETRIEVAL DATE 81/01/08

2020080
46 11 10.0 115 48 00.0 2
SUTTLEK CREEK AT RM 4.0
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/TYP/AMBNT/STREAM

INDEX 1310001 002740 01350 1450
MILES 0324.30 0139.30 083.60 004.00

DATE	TIME	DEPTH	SULFATE	IRON	MANGNESE	ARSENIC	CADMIUM	CHROMIUM	COPPER	LEAD	ZINC	MERCURY
FROM	OF		SO4-TOT	FE,TOT	MN	AS,TOT	CD,TOT	CR,TOT	CU,TOT	PB,TOT	ZN,TOT	HG,TOTAL
TO	DAY	FEET	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
75/07/01				210	20.0		1K		1K	10	1	5.0K
76/11/16			10K	230	10.0K		5K		10K	10K	6	5.0K
77/08/25			9	850	40.0		1K		10K	50K	9	0.5K

STORET RETRIEVAL DATE 81/01/08

2020040
46 11 10.0 115 48 00.0 2
SUTTLE CREEK AT RM 4.0
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1450
MILES 0324.30 0139.30 083.60 004.00
01105

DATE	TIME	DEPTH	ALUMINUM
FROM	OF		AL, TOT
TO	DAY	FEET	UG/L
75/07/01			200
76/11/16			100K
77/08/25			500

STORET RETRIEVAL DATE 81/01/08

2020081
46 11 35.0 115 48 15.0 2
MAGGIE CREEK AT RM 12.0
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/LYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1410
MILES 0324.30 0139.30 077.70 012.00

DATE FROM TO	TIME OF DAY	DEPTH FEET	WATER TEMP CENT	STREAM FLOW, INST=CFS	00300 DO MG/L	00310 ROD MG/L	00335 COD MG/L	00400 PH SU	00403 LAR SU	31501 TOT COLI MFINENDO /100ML	31616 FEC COLI MFM-FCHR /100ML	31679 FECSTREP MF H-ENT /100ML
74/09/11			8.5		9.8				7.4	1600L	2K	
75/07/01			13.0	5	9.8			7.50	7.0	420	6	
76/11/16			5.0	1	13.0		1.0K	7.30	7.4			
77/08/25			14.0				19.0	8.30	8.0	9000	710	1890

STORET RETRIEVAL DATE 81/01/08

2020081
 46 11 35.0 115 48 15.0 2
 MAGGIE CREEK AT RM 12.0
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1410
 MILES 0324.30 0139.30 077.70 012.00

DATE FROM TO	TIME OF DAY	DEPTH FEET	00610 NH3+NH4- N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L	00625 TOT KjEL N MG/L	70507 PHOS-T ORTHO MG/L P	00665 PHOS-TOT MG/L P	00669 PHOS-TOT HYDRO MG/L P	00076 TURB TRBIDMTR HACH FTU	00070 TURB JKSN JTU	00530 RESIDUE TOT NFLT MG/L
74/09/11			0.008K	0.0003K	0.002K		0.176					
75/07/01			0.248	0.001	0.002K		0.023				1.5	
76/11/16			0.010	0.001K	0.010K	0.250	0.023	0.100	0.080		4.0	17
77/08/25			0.029	0.002		0.700	0.032	0.130	0.110		2.1	11
											6.0	21

STORET RETRIEVAL DATE 81/01/08

2020081
 46 11 35.0 115 48 15.0 2
 MAGGIE CREEK AT RM 12.0
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771004

/TYPA/AMHNT/STREAM

INDEX 1310001 002740 01350 1410
 MILES 0324.30 0139.30 077.70 012.00

DATE	TIME	DEPTH	CONDUCTVY	CONDUCTVY	RESIDUE	T ALK	HC03 ALK	CO3 ALK	TOT HARD	SODIUM	PTSSIUM	CHLORIDE
FROM	OF	AT 25C	FIELD	TOTAL	MG/L	MG/L	MG/L	MG/L	MG/L	NA,TOT	K,TOT	CL
TO	DAY	FEET	MICROMHO	MICROMHO	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
74/09/11			67	60	82	40				3.90	1.20	2
75/07/01			60		83	28				2.60	1.20	4
76/11/16			84		82	40			30	3.20	1.30	2K
77/08/25			87	50		32			28	3.70	1.40	3

STORET RETRIEVAL DATE 81/01/08

2020081
46 11 35.0 115 48 15.0 2
MAGGIE CREEK AT RM 12.0
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/TYPA/AMHNT/STRFAM

INDEX 1310001 002740 01350 1410
MILES 0324.30 0139.30 077.70 012.00

DATE	TIME	DEPTH	SULFATE	IRON	01055	01002	01027	01034	01042	01051	01092	71900
FROM	OF		SO4-TOT	FE,TOT	MANGNESE	ARSENIC	CADMIUM	CHROMIUM	COPPER	LEAD	ZINC	MERCURY
TO	DAY	FEET	MG/L	UG/L	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
74/09/11				30	10.0K		1K		1K	10K	1K	5.0K
75/07/01				230	20.0		1K		1K	10K	4	5.0K
76/11/16			10K	430	20.0K		5K		10K	10K	11	5.0K
77/08/25			9	1430	100.0		1K		10K	50K	3	0.5K

STORET RETRIEVAL DATE 81/01/08

2020081
46 11 35.0 115 48 15.0 2
MAGGIE CREEK AT RM 12.0
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771004

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 01350 1410
MILES 0324.30 0139.30 077.70 012.00

01105

DATE	TIME	DEPTH	ALUMINUM
FROM	OF		AL, TOT
TO	DAY	FEET	UG/L

74/09/11			100K
75/07/01			100
76/11/16			100K
77/08/25			200

STORET RETRIEVAL DATE 81/01/08

2020095
 46 10 05.0 115 35 20.0 2
 PETE KING CREEK AT HWY 12
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 211DSURV 771214

/NTRTNT/AMHNT/SPRING/STREAM

INDEX 1310001 002740 01350 1690 1570
 MILES 0324.30 0139.30 097.60 002.20 000.10

DATE FROM TO	TIME OF DAY	DEPTH FEET	WATER TEMP CENT	STREAM FLOW, INST-CFS	00300 MG/L	00310 5 DAY MG/L	00335 LOWLEVEL MG/L	00400 PH SU	00403 PH SU	31501 TOT COLI MFIMENDO /100ML	31616 FEC COLI MFM-FCHR /100ML	31679 FECSTREP MF M-ENT /100ML
72/09/28			5.8		11.5			7.90		950		
73/03/07			3.0		10.8				7.7	460		4K
73/09/12			11.0		7.8				8.5	530		12K
74/03/11			4.0		11.4				6.9	130		2K
74/09/11			10.5		10.1				8.2	1600L		32
77/08/24			14.0		15.3		15.0	7.80	8.0	1720		2K 330

STORET RETRIEVAL DATE 01/01/08

2020095
 46 10 05.0 115 35 20.0 2
 PFTF KING CREEK AT HWY 12
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771214

/NTRTMT/AMBNT/SPRING/STREAM

INDEX 1310001 002740 01350 1690 1570
 HILES 0324.30 0139.30 097.60 002.20 000.10

DATE	TIME	DEPTH	NH3+NH4-	NO2-N	NO3-N	TOT KjEL	PHOS-T	PHOS-TOT	PHOS-TOT	TURB	TURB	RESIDUE
FROM	OF	N	TOTAL	TOTAL	TOTAL	N	ORTHO	TOT	HYDRO	TRBIDMTR	JKSN	TOT NFLT
TO	DAY	FEET	MG/L	MG/L	MG/L	MG/L	MG/L P	MG/L P	MG/L P	HACH FTU	JTU	MG/L
72/09/28					0.079		0.021					
73/03/07			0.078K	0.0003	0.158		0.023				2.0	
73/09/12			0.116	0.0003K	0.350		0.003K				2.0	
74/03/11			0.155	0.002	0.451		0.003K				2.0	
74/09/11			0.016	0.0003K	0.002K		0.003K				1.7	
77/08/24			0.010K	0.001		0.500	0.001	0.020	0.020		0.8	2K

STORET RETRIEVAL DATE 8/01/08

2020095
 46 10 05.0 115 35 20.0 2
 PETE KING CREEK AT HWY 12
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771214

/NTRTMT/AMBNT/SPPING/STREAM

INDEX 1310001 002740 01350 1690 1570
 MILES 0324.30 0139.30 097.60 002.20 000.10

DATE FROM TO	TIME OF DAY	DEPTH FEET	CONDUCTVY AT 25C MICROMHO	CONDUCTVY FIELD MICROMHO	RESIDUE TOTAL MG/L	T ALK CAC03 MG/L	HC03 ALK CAC03 MG/L	CO3 ALK CAC03 MG/L	TOT HARD CAC03 MG/L	SODIUM NA,TOT MG/L	PTSSSIUM K,TOT MG/L	CHLORIDE CL MG/L
			00095	00094	00500	00410	00425	00430	00900	00929	00937	00940
72/09/24			58		66					1.00	0.10	2
73/03/07			50		72	36				2.00	0.10	6
73/09/12			69		86	50				3.00	0.60	4
74/03/11			42		240	36				3.00	1.50	2
74/09/11			55	53	64	42				3.20	1.70	2
77/08/24			84		87	35			36	3.60	1.20	2K

STORET RETRIEVAL DATE 81/01/08

2020095
46 10 05.0 115 35 20.0 2
PETE KING CREEK AT HWY 12
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771214

/NTRTMT/AMUNT/SPRING/STREAM

INDEX 1310001 002740 01350 1690 1570
MILES 0324.30 0139.30 097.60 002.20 000.10

DATE	TIME	DEPTH	SULFATE	IRON	MANGNESE	ARSENIC	CADMIUM	CHROMIUM	COPPER	LEAD	ZINC	MERCURY
FROM	OF		SU4-TOT	FE,TOT	MN	AS,TOT	CD,TOT	CR,TOT	CU,TOT	PB,TOT	ZN,TOT	HG,TOTAL
TO	DAY	FEET	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
72/09/28				70K	10.0K							
73/03/07				70	10.0K		1K					1.0K
73/09/12				60	15.0	10K	1K		1K	10K	1K	1.0K
74/03/11				20	10.0K		10K		1K	10K	10K	5.0K
74/09/11				10K	10.0K		1K		1K	10K	9	5.0K
77/08/24			6K	60	10.0K		1K		10K	50K	3	0.5K

STORET RETRIEVAL DATE 81/01/08

2020095
46 10 05.0 115 35 20.0 2
PETE KING CREEK AT HWY 12
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
2110SURV 771214

/NTRTMT/AMHNT/SPRING/STREAM

INDEX 1310001 002740 01350 1690 1570

MILES 0324.30 0139.30 097.60 002.20 000.10

01105

DATE	TIME	DEPTH	ALUMINUM
FROM	OF		AL, TOT
TO	DAY	FEET	UG/L

74/09/11			100K
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77/08/24			100K
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STORET RETRIEVAL DATE 81/01/08

2020096
46 08 30.0 115 56 30.0 2
MAGGIE CR AT MOUTH
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
211DSURV 771214

/NTRTMT/AMBNT/SPRING/STREAM

INDEX 1310001 002740 01350 1410

HILFS 0324.30 0139.30 077.70 000.10

DATE	TIME	DEPTH	WATER	STREAM	DO	ROD	COD	PH	LAB	TOT COLI	FFC COLI	FECSTREP
FROM	OF	TEMP	FLOW,	INST=CFS	MG/L	5 DAY	LOWLEVEL	SU	PH	MFIMENDO	MPM-FCBR	MF M-ENT
TO	DAY	FEET	CENT			MG/L	MG/L		SU	/100ML	/100ML	/100ML
74/09/11			19.5		7.9				7.8	16000L	120L	
77/08/25			19.0				4.0K	8.00	8.2	8000L	1300	1000L

STORET RETRIEVAL DATE 81/01/08

2020096
46 0H 30.0 115 56 30.0 2
MAGGIE CR AT MOUTH
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771214

/NTRTMT/AMHNT/SPHNG/STREAM

INDEX 1310001 002740 01350 1410

MILES 0324.30 0139.30 077.70 000.10

DATE	TIME	DEPTH	CNDUCTVY	CNDUCTVY	RESIDUE	T ALK	HC03 ALK	CO3 ALK	TOT HARD	SODIUM	PTSSIUM	CHLORIDE
FROM	OF	AT 25C	AT 25C	FIELD	TOTAL	CAC03	CAC03	CAC03	CAC03	NA,TOT	K,TOT	CL
TO	DAY	FEET	MICROMHO	MICROMHO	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
74/09/11			80	112	104	54				4.20	2.80	2
77/08/25			115	82		48			36	5.10	2.50	2K

STORET RETRIEVAL DATE 81/01/08

2020096
46 08 30.0 115 56 30.0 2
MAGGIE CH AT MOUTH
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771214

/NTHMT/AMBNT/SPRING/STREAM
INDEX 1310001 002740 01350 1410
MILES 0324.30 0139.30 077.70 000.10

01105
DATE TIME DEPTH ALUMINUM
FROM OF AL,TOT
TO DAY FEET UG/L

74/09/11 100
77/08/25 100

STORET RETRIEVAL DATE 81/01/08

2020497
46 08 45.0 115 50 30.0 2
SUTTLE CK AT MOUTH
16049 IDAHO
PACIFIC NORTHWEST
LOWER SHAKA RIVER BASIN
21IDSURV 771214

/NTRTHT/AMBNT/SPRING/STREAM
INDEX 1310001 002740 01350 1450
MILES 0324.30 0139.30 083.60 000.10

DATE	TIME	DEPTH	WATER	STREAM	DO	5 DAY	LOWLEVEL	PH	LAB	TOT COLI	FEC COLI	FECSTREP
FROM	OF	FEET	TEMP	FLOW,	MG/L	MG/L	MG/L	SU	PH	MFIMENDO	MFH-FCBR	MF H-ENT
TO	DAY		CENT	INST-CFS					SU	/100ML	/100ML	/100ML
74/09/11			14.5		9.1				7.8	16000L	120L	
77/08/25			15.0				4.0	7.90	8.2	8000L	600L	1000L

STORET RETRIEVAL DATE 81/01/08

2020097
 46 08 45.0 115 50 30.0 2
 SUTTLE CK AT MOUTH
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771214

/NTRTMT/AMBNT/SPRING/STREAM

INDEX 1310001 002740 01350 1450
 MILES 0324.30 0139.30 083.60 000.10

DATE	TIME	DEPTH	NH3+NH4	NO2-N	NO3-N	TOT KjEL	70507	00665	00669	00076	00070	00530	
FROM	OF	N	TOTAL	TOTAL	TOTAL	N	PHOS-T	PHOS-TOT	PHOS-TOT	TURB	TURB	RESIDUE	
TO	DAY	FEET	MG/L	MG/L	MG/L	MG/L	MG/L P	MG/L P	MG/L P	HACH FTU	JTU	TOT NFLT	
												MG/L	
74/09/11			0.008K	0.0003K	0.018		0.081					7.7	
77/08/25			0.038	0.006		0.930	0.057	0.180	0.160			18.0	59

STORET RETRIEVAL DATE 81/01/08

2020097
 46 08 45.0 115 50 30.0 2
 SUTTLER CK AT MOUTH
 16049 IDAHO
 PACIFIC NORTHWEST
 LOWER SNAKE RIVER BASIN
 21IDSURV 771214

/NTRMT/AMBNT/SPRING/STREAM

INDEX 1310001 002740 01350 1450
 MILES 0324.30 0139.30 083.60 000.10

DATE	TIME	DEPTH	CONDUCTVY	CONDUCTVY	RESIDUE	T ALK	HCO3 ALK	CO3 ALK	TOT HARD	SODIUM	POTASSIUM	CHLORIDE
FROM	OF	AT 25C	FIELD	TOTAL		CACO3	CACO3	CACO3	CACO3	NA,TOT	K,TOT	CL
TO	DAY	FEET	MICROMHO	MICROMHO	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
74/09/11			96	121	128	62						1
77/08/25			124	85		49			40	4.30	7.70	2K
										5.00	2.60	

STORET RETRIEVAL DATE 81/01/08

2020097
46 08 45.0 115 50 30.0 2
SUTTLE CK AT MOUTH
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771214

/NTRTMT/AMHNT/SPRING/STREAM

INDEX 1310001 002740 01350 1450
MILES 0324.30 0139.30 083.60 000.10

DATE FROM TO	TIME OF DAY	DEPTH FEET	00945 SULFATE SO4-TOT MG/L	01045 IRON FE,TOT UG/L	01055 MANGNESE MN UG/L	01002 ARSENIC AS,TOT UG/L	01027 CADDMIUM CD,TOT UG/L	01034 CHROMIUM CR,TOT UG/L	01042 COPPER CU,TOT UG/L	01051 LEAD PB,TOT UG/L	01092 ZINC ZN,TOT UG/L	71900 MERCURY HG,TOTAL UG/L
74/09/11				60	20.0		1K		1K	10K	1K	5.0K
77/08/25		7		1830	120.0		1K		10K	50K	2	0.5K

STORET RETRIEVAL DATE R1/01/08

2020097
46 08 45.0 115 50 30.0 2
SUTTLER CK AT MOUTH
16049 IDAHO
PACIFIC NORTHWEST
LOWER SNAKE RIVER BASIN
21IDSURV 771214

/NTRPTMT/AMBNT/SPRING/STREAM
INDEX 1310001 002740 01350 1450
MILES 0324.30 0139.30 083.60 000.10
01105

DATE	TIME	DEPTH	ALUMINUM
FROM	OF		AL, TOT
TO	DAY	FEET	UG/L

74/09/11			10K
77/08/25			1100