CANYON CREEK STUDY

Shoshone County

Data Collected 1979

Final Summary October 1980

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

Water Quality Summary
No. 23

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SUMMARY OF CANYON CREEK STUDY

In 1979 a water quality study was conducted on Canyon Creek in Shoshone County to assess the impact of point and nonpoint sources upon the stream. The study provided for monitoring at 10 mainstem stations and 6 tributary stations from below Glidden Lakes to the mouth of Canyon Creek. The sampling was conducted approximately bi-monthly for the following parameter categories:

Temperature	Solids
Dissolved Oxygen	Nutrients
pH	Trace Inorganic Toxins
Bacteria	

In the 1979 study and previous studies, the major water quality problems to be found on Canyon Creek were toxic concentrations of heavy metals. However, some sporadic bacteria violations were also noted from above O'Neill Gulch (River Mile 7.4) to the mouth in February and May of 1979. Iron was also above the recommended criteria of 300 µg/l in February of 1979 from below the Hecla Mine waste (River Mile 6.4) to above the Hecla Mining Company discharge (River Mile 2.7). Other elevated iron concentrations were noted in June, September, and November of 1979 from below the Hecla Mine waste (River Mile 6.4) to below the Standard Mammoth Mine waste (River Mile 4.5). Manganese concentrations exceeded the secondary drinking water standard of 50 µg/l in February, September, and November from below the Hecla Mine waste (River Mile 6.4) to the mouth of Canyon Creek.

Of the more toxic heavy metals, cadmium concentrations exceeded the recommended criteria of 0.4 µg/l to protect aquatic life in soft

water from above the Standard Mammoth Mine waste (River Mile 5.2) to the mouth of Canyon Creek in February and April. In May and June the cadmium criteria was exceeded from above the Hecla Mining Company discharge (River Mile 2.7) to the mouth, and in September the stream exceeded the criteria from below the Frisco waste (River Mile 3.8) to the mouth. The November cadmium samples were above the criteria from below the Hecla Mine waste (River Mile 6.4) to the mouth. Copper concentrations were only above the aquatic life protection criteria of 10 μg/l in November of 1979 from below the Hecla Mining Company discharge (River Mile 1.8) to the mouth. Dissolved lead was above the aquatic life criteria of 10 μg/l in February of 1979 from below the Standard Mammoth Mine waste (River Mile 4.5) to the mouth. In April and November the lead criteria was exceeded from below the Hecla Mining Company discharge (River Mile 1.8) to the mouth.

Of all the heavy metals problems on Canyon Creek, zinc is the worst. At all sampling runs the zinc problems begin between the station above O'Neill Gulch and the station below the Hecla Mine waste. The total zinc concentration above O'Neill Gulch (River Mile 7.4) ranged from 3 to 20 μg/l and in April and November the zinc concentration increased by nearly 500 fold and reached 9500 μg/l at the mouth of the stream. Typically, the zinc concentrations rise gradually from above O'Neill Gulch to below the Frisco wastes (River Mile 3.8) and then increase sharply to above the Hecla Mining Company discharge (River Mile 2.7). However, the largest increase occurs from above the Hecla discharge (River Mile 2.7) to below the Hecla discharge (River Mile 1.8).

In concurrence with previous studies, the 1979 Canyon Creek study indicates that leachate from previous waste dumps and jig tailings are causing the majority of the heavy metals problems on the stream. The problems generally start below the Hecla Mine waste, but increase most rapidly in the Woodland Park area near the mouth of Canyon Creek. An earlier report by Mink, Williams, and Wallace* discusses the problems in the lower Canyon Creek Basin. In order to improve the water quality of Canyon Creek, a major stream rehabilitation project would be needed to either remove the mine waste material and tailings or to stabilize these materials to prevent further leaching. A more comprehensive water quality study involving cross sectional sampling for heavy metals should be conducted on Canyon Creek from River Mile 1.8 to 7.4 to better pin-point the major sources. The present Hecla Mining Company discharge is only a minor source of heavy metals on Canyon Creek.

During a majority of the bacteria standard violations on Canyon Creek, the fecal coliform/fecal strep ratio was greater than four (4) which would indicate a human source. A present Shoshone County municipal grant should eventually eliminate raw sewage discharges and failing on-site systems in the Canyon Creek drainage.

*Mink, Leland L.; Williams, Roy E.; and Wallace, Alfred T. "Effect of Early Day Mining Operations on Present Day Water Quality," University of Idaho.

DATA INVENTORY

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2694
12/9/80

2000112
47 29 15.0 115 53 25.0 2
CANYON CK BELOW HECLA DISCHARGE PONDS
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 001.80

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	6	6.25000	17.9750	4.23969	.678351	1.73085	11.0000	1.50000	79/02/05	79/11/27
00061	STREAM	FLOW,	INST-CFS	1	12.0000					12.0000	12.0000	79/09/11	79/09/11
00076	TURB	TRBIDMTR	HACH FTU	6	2.88333	.589673	.767902	.266324	.313494	4.00000	1.80000	79/02/05	79/11/27
00094	CNDUCTVY	FIELD	MICROMHO	3	85.3333	2134.34	46.1989	.541393	26.6729	113.000	32.0000	79/04/04	79/09/11
00095	CNDUCTVY	AT 25C	MICROMHO	5	150.600	7863.31	88.6753	.588814	39.6568	246.000	51.0000	79/02/05	79/11/27
00116	INTNSVE	SURVEY	IDENT	6	791618-	.419E+06	.000000		.000000	791618	791618	79/02/05	79/11/27
00300	DO		MG/L	5	11.1600	3.43311	1.85286	.166027	.828626	13.6000	9.30000	79/02/05	79/11/27
00335	COD	LOWLEVEL	MG/L	4	18.3750	21.6698	4.65509	.253338	2.32754	24.0000	14.5000	79/02/05	79/11/27
00400	PH		SU	6	7.88333	.061768	.248531	.031526	.101462	8.30000	7.60000	79/02/05	79/11/27
00403	LAB	PH	SU	3	6.06667	.103340	.321466	.052989	.185598	6.30000	5.70000	79/05/15	79/11/27
00410	T ALK	CACO3	MG/L	4	37.6250	364.896	19.1022	.507701	9.55112	48.0000	9.00000	79/02/05	79/11/27
00425	HCO3 ALK	CACO3	MG/L	4	37.6250	364.896	19.1022	.507701	9.55112	48.0000	9.00000	79/02/05	79/11/27
00430	CO3 ALK	CACO3	MG/L	4	.000000	.000000	.000000		.000000	.000000	.000000	79/02/05	79/11/27
00500	RESIDUE	TOTAL	MG/L	6	94.6999	2268.23	47.6259	.502913	19.4432	151.500	35.1000	79/02/05	79/11/27
00610	NH3+NH4-	N TOTAL	MG/L	5	.155000	.025479	.159621	1.02981	.071385	.344000	.028000	79/02/05	79/11/27
00625	TOT KJEL	N	MG/L	5	.525999	.028381	.168466	.320277	.075340	.700000	.300000	79/02/05	79/11/27
00630	NO2&NO3	N-TOTAL	MG/L	5	.226400	.052405	.228921	1.01114	.102377	.502000	.040000	79/02/05	79/11/27
00665	PHOS-TOT		MG/L P	4	.020000	.000067	.008165	.408248	.004082	.030000	.010000	79/02/05	79/09/11
00720	CYANIDE	CN-TOT	MG/L	2	.020000-	.232E-09	.000000		.000000	.020000	.020000	79/02/05	79/04/04
00900	TOT HARD	CACO3	MG/L	4	67.0000	836.000	28.9137	.431547	14.4568	84.0000	24.0000	79/02/05	79/11/27
00916	CALCIUM	CA-TOT	MG/L	4	21.6000	137.387	11.7212	.542649	5.86060	33.6000	6.40000	79/02/05	79/11/27
00927	MGNSIUM	MG,TOT	MG/L	4	3.57000	3.20226	1.78949	.501257	.894743	4.60000	.900000	79/02/05	79/11/27
00929	SODIUM	NA,TOT	MG/L	4	6.95000	20.3634	4.51258	.649292	2.25629	11.2000	1.30000	79/02/05	79/11/27
00937	PTSSIUM	K,TOT	MG/L	4	1.47500	.609168	.780492	.529147	.390246	2.20000	.500000	79/02/05	79/11/27
00940	CHLORIDE	CL	MG/L	4	1.84500	.913431	.955736	.518014	.477868	3.10000	1.10000	79/02/05	79/11/27
00945	SULFATE	SO4-TOT	MG/L	4	40.2500	568.250	23.8380	.592248	11.9190	65.0000	10.0000	79/02/05	79/11/27
00951	FLUORIDE	F,TOTAL	MG/L	3	.090000	.000400	.020000	.222222	.011547	.110000	.070000	79/02/05	79/11/27
00956	SILICA	TOTAL	MG/L	4	7.35000	1.29003	1.13579	.154530	.567897	9.00000	6.40000	79/02/05	79/11/27
01002	ARSENIC	AS,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/05	79/11/27
01022	BORON	B,TOT	UG/L	4	85.0000	10766.7	103.763	1.22074	51.8813	230.000	10.0000	79/02/05	79/11/27
01025	CADMIUM	CD,DISS	UG/L	6	39.0000	887.600	29.7926	.763913	12.1628	85.0000	7.00000	79/02/05	79/11/27
01027	CADMIUM	CD,TOT	UG/L	6	35.8333	396.167	19.9039	.555459	8.12575	56.0000	12.0000	79/02/05	79/11/27
01030	CHROMIUM	CR,DISS	UG/L	1	50.0000					50.0000	50.0000	79/09/11	79/09/11
01032	CHROMIUM	HEX-VAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01034	CHROMIUM	CR,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01040	COPPER	CU,DISS	UG/L	6	13.3333	66.6667	8.16497	.612373	3.33333	30.0000	10.0000	79/02/05	79/11/27
01042	COPPER	CU,TOT	UG/L	6	16.6667	146.667	12.1106	.726638	4.94414	40.0000	10.0000	79/02/05	79/11/27
01045	IRON	FE,TOT	UG/L	6	241.667	6536.69	80.8498	.334551	33.0068	350.000	150.000	79/02/05	79/11/27
01046	IRON	FE,DISS	UG/L	6	40.0000	760.000	27.5681	.689202	11.2546	80.0000	10.0000	79/02/05	79/11/27

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21IDSURV 790901
0000 CLASS 00

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INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 001.80

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	6	60.0000	160.000	12.6491	.210818	5.16398	80.0000	50.0000	79/02/05	79/11/27
01051	LEAD	PB,TOT	UG/L	6	141.667	1216.69	34.8810	.246219	14.2401	200.000	100.000	79/02/05	79/11/27
01055	MANGNESE	MN	UG/L	5	298.000	38720.0	196.774	.660315	88.0000	530.000	110.000	79/02/05	79/11/27
01067	NICKEL	NI,TOTAL	UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01077	SILVER	AG,TOT	UG/L	4	1.77500	2.40250	1.55000	.873239	.774999	4.10000	1.00000	79/02/05	79/11/27
01090	ZINC	ZN,DISS	UG/L	6	5595.33	.105E+08	3254.08	.581570	1328.47	8925.00	1380.00	79/02/05	79/11/27
01092	ZINC	ZN,TOT	UG/L	6	5866.66	.123E+08	3515.79	.599283	1435.32	9475.00	1410.00	79/02/05	79/11/27
01095	ANTIMONY	SB,DISS	UG/L	5	12.4000	11.3001	3.36156	.271094	1.50334	17.0000	10.0000	79/02/05	79/11/27
01097	ANTIMONY	SB,TOT	UG/L	4	11.7500	12.2500	3.50000	.297872	1.75000	17.0000	10.0000	79/02/05	79/11/27
01501	ALPHA	TOTAL	PC/L	2	1.07500	.011250	.106064	.098664	.074998	1.15000	1.00000	79/05/15	79/09/11
03501	BETA	TOTAL	PC/L	2	1.03000	1.06580	1.03238	1.00231	.730000	1.76000	.300000	79/05/15	79/09/11
31501	TOT COLI	MFIMENDO	/100ML	6	216.833	134252	366.404	1.68979	149.584	940.000	1.00000	79/02/05	79/11/27
31616	FEC COLI	MFM-FCBR	/100ML	5	93.6000	41955.8	204.831	2.18837	91.6033	460.000	1.00000	79/04/04	79/11/27
31679	FECSTREP	MF M-ENT	/100ML	5	21.2000	617.700	24.8536	1.17234	11.1149	64.0000	1.00000	79/04/04	79/11/27
70300	RESIDUE	DISS-180 C	MG/L	6	90.3999	1464.09	38.2634	.423268	15.6210	133.200	37.9000	79/02/05	79/11/27
70507	PHOS-T	ORTHO	MG/L P	4	.010000	-.776E-10	.000000		.000000	.010000	.010000	79/02/05	79/09/11
71900	MERCURY	HG,TOTAL	UG/L	5	1.74000	3.71300	1.92691	1.10742	.861742	5.00000	.500000	79/02/05	79/11/27
80154	SUSP SED	CONC	MG/L	6	7.76666	79.5706	8.92024	1.14853	3.64167	22.0000	.200000	79/02/05	79/11/27

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2000113
47 29 45.0 115 52 55.0 2
CANYON CK ABOVE HECLA DISCHARGE & PONDS
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INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 002.70

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	6	6.91667	18.7417	4.32917	.625904	1.76737	13.0000	2.50000	79/02/05	79/11/27
00061	STREAM	FLOW,	INST-CFS	2	41.3500	1878.84	43.3456	1.04826	30.6500	72.0000	10.7000	79/06/28	79/09/11
00076	TURB	TRBIDMTR	HACH FTU	6	2.81667	1.78566	1.33629	.474421	.545537	5.10000	1.10000	79/02/05	79/11/27
00094	CNDUCTVY	FIELD	MICROMHO	3	58.0000	637.000	25.2389	.435153	14.5717	75.0000	29.0000	79/04/04	79/09/11
00095	CNDUCTVY	AT 25C	MICROMHO	5	110.500	3670.50	60.5847	.548277	27.0943	166.000	42.0000	79/02/05	79/11/27
00116	INTNSVE	SURVEY	IDENT	6	791617-	.209E+06	.000000		.000000	791618	791610	79/02/05	79/11/27
00300	DO		MG/L	5	11.1000	1.61511	1.27087	.114493	.568351	12.2000	9.10000	79/02/05	79/11/27
00335	COD	LOWLEVEL	MG/L	5	21.6600	509.612	22.5746	1.04222	10.0957	57.4000	1.20000	79/02/05	79/11/27
00400	PH		SU	6	8.06666	.038770	.196900	.024409	.080384	8.30000	7.80000	79/02/05	79/11/27
00403	LAB	PH	SU	3	6.13333	.143356	.378624	.061732	.218599	6.40000	5.70000	79/05/15	79/11/27
00410	T ALK	CACO3	MG/L	4	38.7000	397.827	19.9456	.515390	9.97279	51.8000	9.00000	79/02/05	79/11/27
00425	HCO3 ALK	CACO3	MG/L	4	38.7000	397.827	19.9456	.515390	9.97279	51.8000	9.00000	79/02/05	79/11/27
00430	CO3 ALK	CACO3	MG/L	3	.000000	.000000	.000000		.000000	.000000	.000000	79/02/05	79/11/27
00500	RESIDUE	TOTAL	MG/L	6	65.1166	838.767	28.9615	.444763	11.8235	98.7000	29.5000	79/02/05	79/11/27
00610	NH3+NH4-	N TOTAL	MG/L	5	.049000	.000344	.018534	.378240	.008289	.064000	.021000	79/02/05	79/11/27
00625	TOT KJEL	N	MG/L	5	.564000	.123880	.351966	.624054	.157404	1.00000	.100000	79/02/05	79/11/27
00630	NO2&NO3	N-TOTAL	MG/L	5	.045800	.001263	.035542	.776016	.015895	.090000	.020000	79/02/05	79/11/27
00665	PHOS-TOT		MG/L P	4	.015000	.000033	.005773	.384900	.002887	.020000	.010000	79/02/05	79/09/11
00720	CYANIDE	CN-TOT	MG/L	2	.020000-	.232E-09	.000000		.000000	.020000	.020000	79/02/05	79/04/04
00900	TOT HARD	CACO3	MG/L	4	39.0000	1049.33	32.3934	.830600	16.1967	76.0000	8.00000	79/02/05	79/11/27
00916	CALCIUM	CA-TOT	MG/L	4	16.4000	67.1999	8.19756	.499851	4.09878	24.0000	4.80000	79/02/05	79/11/27
00927	MGNSIUM	MG,TOT	MG/L	4	3.59000	3.53240	1.87947	.523529	.939734	4.90000	.800000	79/02/05	79/11/27
00929	SODIUM	NA,TOT	MG/L	4	1.97500	.649166	.805708	.407954	.402854	2.80000	.900000	79/02/05	79/11/27
00937	PTSSIUM	K,TOT	MG/L	4	.550000	.030000	.173206	.314920	.086603	.700000	.300000	79/02/05	79/11/27
00940	CHLORIDE	CL	MG/L	4	1.84500	.913431	.955736	.518014	.477868	3.10000	1.10000	79/02/05	79/11/27
00945	SULFATE	SO4-TOT	MG/L	4	18.0000	43.3333	6.58281	.365711	3.29140	26.0000	10.0000	79/02/05	79/11/27
00951	FLUORIDE	F,TOTAL	MG/L	3	.390000	.279100	.528299	1.35461	.305014	1.00000	.080000	79/02/05	79/11/27
00956	SILICA	TOTAL	MG/L	4	7.20000	.593389	.770317	.106989	.385159	8.30000	6.50000	79/02/05	79/11/27
01002	ARSENIC	AS,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/05	79/11/27
01022	BORON	B,TOT	UG/L	4	140.000	6600.00	81.2404	.580288	40.6202	200.000	20.0000	79/02/05	79/11/27
01025	CADMIUM	CD,DISS	UG/L	6	15.3333	158.667	12.5963	.821498	5.14242	38.0000	5.00000	79/02/05	79/11/27
01027	CADMIUM	CD,TOT	UG/L	6	12.1667	30.5667	5.52872	.454415	2.25709	20.0000	6.00000	79/02/05	79/11/27
01030	CHROMIUM	CR,DISS	UG/L	1	50.0000					50.0000	50.0000	79/09/11	79/09/11
01032	CHROMIUM	HEX-VAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01034	CHROMIUM	CR,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01040	COPPER	CU,DISS	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/05	79/11/27
01042	COPPER	CU,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/05	79/11/27
01045	IRON	FE,TOT	UG/L	6	383.333	45786.7	213.978	.558205	87.3563	740.000	180.000	79/02/05	79/11/27
01046	IRON	FE,DISS	UG/L	6	76.6667	3546.67	59.5539	.776791	24.3128	190.000	30.0000	79/02/05	79/11/27

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PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01051	LEAD	PB,TOT	UG/L	6	75.0000	950.000	30.8221	.410961	12.5831	130.000	50.0000	79/02/05	79/11/27
01055	MANGNESE	MN	UG/L	5	218.000	19120.0	138.275	.634289	61.8385	350.000	70.0000	79/02/05	79/11/27
01067	NICKEL	NI,TOTAL	UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01077	SILVER	AG,TOT	UG/L	5	4.80000	72.2000	8.49706	1.77022	3.80000	20.0000	1.00000	79/02/05	79/11/27
01090	ZINC	ZN,DISS	UG/L	6	2124.67	2279315	1509.74	.710577	616.349	4750.00	687.000	79/02/05	79/11/27
01092	ZINC	ZN,TOT	UG/L	6	2220.83	1666000	1290.74	.581195	526.941	4175.00	736.000	79/02/05	79/11/27
01095	ANTIMONY	SB,DISS	UG/L	4	11.2500	6.25000	2.50000	.222222	1.25000	15.0000	10.0000	79/05/15	79/11/27
01097	ANTIMONY	SB,TOT	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/05/15	79/11/27
31501	TOT COLI	MFIMENDO	/100ML	6	738.666	351187	592.611	.802271	241.932	1500.00	52.0000	79/02/05	79/11/27
31616	FEC COLI	MFM-FCBR	/100ML	6	238.167	159572	399.465	1.67725	163.081	1000.00	1.00000	79/02/05	79/11/27
31679	FECSTREP	MF M-ENT	/100ML	6	85.3333	17124.7	130.861	1.53353	53.4239	330.000	1.00000	79/02/05	79/11/27
70300	RESIDUE	DISS-180	C MG/L	6	61.5500	575.797	23.9958	.389858	9.79623	91.2000	32.1000	79/02/05	79/11/27
70507	PHOS-T	ORTHO	MG/L P	4	.010000	-.776E-10	.000000		.000000	.010000	.010000	79/02/05	79/09/11
71900	MERCURY	HG,TOTAL	UG/L	5	1.66000	3.62300	1.90342	1.14664	.851234	5.00000	.500000	79/02/05	79/11/27
80154	SUSP SED	CONC	MG/L	5	6.38000	52.3170	7.23305	1.13371	3.23472	18.2000	.500000	79/02/05	79/11/27

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CANYON CK ABOVE BELL GULCH & BELOW FRISCO WASTES
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
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21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 065000 01600 0510
MILES 0643.00 0167.80 019.10 003.80

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	5	6.41999	26.4621	5.14413	.801267	2.30052	15.0000	1.80000	79/02/05	79/11/27
00061	STREAM	FLOW,	INST-CFS	1	10.3000					10.3000	10.3000	79/09/11	79/09/11
00076	TURB	TRBIDMTR	HACH FTU	6	1.85000	.523001	.723188	.390913	.295240	3.10000	1.00000	79/02/05	79/11/27
00094	CNDUCTVY	FIELD	MICROMHO	4	59.5000	537.666	23.1876	.389708	11.5938	75.0000	25.0000	79/02/05	79/09/11
00095	CNDUCTVY	AT 25C	MICROMHO	5	96.6000	2778.31	52.7097	.545649	23.5725	145.000	36.0000	79/02/05	79/11/27
00116	INTNSVE	SURVEY	IDENT	6	791618	-.419E+06	.000000		.000000	791618	791618	79/02/05	79/11/27
00300	DO		MG/L	5	11.1400	3.85809	1.96420	.176320	.878418	13.2000	8.20000	79/02/05	79/11/27
00335	COD	LOWLEVEL	MG/L	4	26.8000	236.407	15.3755	.573714	7.68776	43.8000	9.80000	79/02/05	79/11/27
00400	PH		SU	6	8.03333	.086768	.294563	.036668	.120255	8.50000	7.60000	79/02/05	79/11/27
00403	LAB	PH	SU	3	6.23333	.323387	.568671	.091231	.328323	6.70000	5.60000	79/05/15	79/11/27
00410	T ALK	CACO3	MG/L	4	38.9500	404.277	20.1066	.516217	10.0533	51.8000	9.00000	79/02/05	79/11/27
00425	HCO3 ALK	CACO3	MG/L	4	38.9500	404.277	20.1066	.516217	10.0533	51.8000	9.00000	79/02/05	79/11/27
00430	CO3 ALK	CACO3	MG/L	4	.000000	.000000	.000000		.000000	.000000	.000000	79/02/05	79/11/27
00500	RESIDUE	TOTAL	MG/L	6	56.7500	665.682	25.8008	.454640	10.5331	89.2000	25.8000	79/02/05	79/11/27
00610	NH3+NH4-	N TOTAL	MG/L	5	.041600	.001376	.037099	.891793	.016591	.102000	.001000	79/02/05	79/11/27
00625	TOT KJEL	N	MG/L	5	.246000	.025580	.159938	.650156	.071526	.430000	.100000	79/02/05	79/11/27
00630	NO2&NO3	N-TOTAL	MG/L	5	.047800	.001494	.038655	.808680	.017287	.099000	.020000	79/02/05	79/11/27
00665	PHOS-TOT		MG/L P	4	.015000	.000033	.005773	.384900	.002887	.020000	.010000	79/02/05	79/09/11
00720	CYANIDE	CN-TOT	MG/L	2	.020000	-.232E-09	.000000		.000000	.020000	.020000	79/02/05	79/04/04
00900	TOT HARD	CACO3	MG/L	4	57.0000	910.666	30.1772	.529425	15.0886	76.0000	12.0000	79/02/05	79/11/27
00916	CALCIUM	CA-TOT	MG/L	4	15.6000	41.5999	6.44980	.413449	3.22490	20.8000	6.40000	79/02/05	79/11/27
00927	MGNSIUM	MG,TOT	MG/L	4	3.43750	3.10002	1.76069	.512200	.880344	4.40000	.800000	79/02/05	79/11/27
00929	SODIUM	NA,TOT	MG/L	4	1.70000	.300003	.547725	.322192	.273863	2.10000	.900000	79/02/05	79/11/27
00937	PTSSIUM	K,TOT	MG/L	4	.550000	.030000	.173206	.314920	.086603	.700000	.300000	79/02/05	79/11/27
00940	CHLORIDE	CL	MG/L	4	1.82500	.902500	.950000	.520548	.475000	3.10000	1.10000	79/02/05	79/11/27
00945	SULFATE	SO4-TOT	MG/L	4	17.5000	111.000	10.5357	.602037	5.26783	33.0000	10.0000	79/02/05	79/11/27
00951	FLUORIDE	F,TOTAL	MG/L	3	.086667	.000133	.011547	.133234	.006667	.100000	.080000	79/02/05	79/11/27
00956	SILICA	TOTAL	MG/L	4	6.95000	.203384	.450982	.064889	.225491	7.50000	6.40000	79/02/05	79/11/27
01002	ARSENIC	AS,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/05	79/11/27
01022	BORON	B,TOT	UG/L	4	82.5000	11825.0	108.743	1.31809	54.3714	240.000	10.0000	79/02/05	79/11/27
01025	CADMIUM	CD,DISS	UG/L	6	9.50000	25.9000	5.08920	.535706	2.07766	17.0000	5.00000	79/02/05	79/11/27
01027	CADMIUM	CD,TOT	UG/L	6	15.3333	303.067	17.4088	1.13536	7.10712	50.0000	5.00000	79/02/05	79/11/27
01030	CHROMIUM	CR,DISS	UG/L	1	50.0000					50.0000	50.0000	79/09/11	79/09/11
01032	CHROMIUM	HEX-VAL	UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/09/11
01034	CHROMIUM	CR,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01040	COPPER	CU,DISS	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/05	79/11/27
01042	COPPER	CU,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/05	79/11/27
01045	IRON	FE,TOT	UG/L	6	240.000	9000.00	94.8683	.395285	38.7298	420.000	180.000	79/02/05	79/11/27
01046	IRON	FE,DISS	UG/L	6	35.0000	590.000	24.2899	.693998	9.91632	80.0000	10.0000	79/02/05	79/11/27

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MILES 0643.00 0167.80 019.10 003.80

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01051	LEAD	PB,TOT	UG/L	6	73.3333	506.671	22.5093	.306946	9.18941	100.000	50.0000	79/02/05	79/11/27
01055	MANGNESE	MN	UG/L	5	68.0000	820.000	28.6356	.421112	12.8062	100.000	30.0000	79/02/05	79/11/27
01067	NICKEL	NI,TOTAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01077	SILVER	AG,TOT	UG/L	5	1.96000	4.60800	2.14663	1.09522	.960000	5.80000	1.00000	79/02/05	79/11/27
01090	ZINC	ZN,DISS	UG/L	6	1412.50	962494	981.068	.694561	400.519	2925.00	502.000	79/02/05	79/11/27
01092	ZINC	ZN,TOT	UG/L	6	1658.67	1553298	1246.31	.751395	508.805	3700.00	525.000	79/02/05	79/11/27
01095	ANTIMONY	SB,DISS	UG/L	5	11.6000	5.30011	2.30220	.198465	1.02957	15.0000	10.0000	79/02/05	79/11/27
01097	ANTIMONY	SB,TOT	UG/L	5	10.8000	1.70007	1.30387	.120729	.583108	13.0000	10.0000	79/02/05	79/11/27
31501	TOT COLI	MFIMENDO	/100ML	6	535.166	393413	627.227	1.17202	256.064	1600.00	4.00000	79/02/05	79/11/27
31616	FEC COLI	MFM-FCBR	/100ML	5	19.4000	1389.30	37.2733	1.92130	16.6691	86.0000	1.00000	79/04/04	79/11/27
31679	FECSTREP	MF M-ENT	/100ML	5	14.8000	256.200	16.0062	1.08150	7.15821	42.0000	1.00000	79/04/04	79/11/27
70300	RESIDUE	DISS-180 C	MG/L	6	54.7666	527.748	22.9728	.419466	9.37859	75.8000	23.7000	79/02/05	79/11/27
70507	PHOS-T	ORTHO	MG/L P	4	.010000	-.776E-10	.000000		.000000	.010000	.010000	79/02/05	79/09/11
71900	MERCURY	HG,TOTAL	UG/L	5	1.72000	3.54200	1.88202	1.09420	.841665	5.00000	.500000	79/02/05	79/11/27
80154	SUSP SED	CONC	MG/L	6	6.20000	51.3159	7.16351	1.15540	2.92449	18.6000	.100000	79/02/05	79/11/27

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CANYON CK BELOW STANDARD MAMMOTH MINE WASTES
16079 IDAHO SHOSHONE
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MILES 0643.00 0167.80 019.10 004.50

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	5	6.18000	21.3220	4.61757	.747180	2.06504	14.0000	2.00000	79/02/05	79/11/27
00061	STREAM	FLOW,	INST-CFS	1	10.3000					10.3000	10.3000	79/09/11	79/09/11
00076	TURB	TRBIDMTR	HACH FTU	5	2.10000	1.04499	1.02225	.486785	.457164	3.70000	1.10000	79/02/05	79/11/27
00094	CNDUCTVY	FIELD	MICROMHO	3	53.0000	637.000	25.2389	.476205	14.5717	70.0000	24.0000	79/04/04	79/09/11
00095	CNDUCTVY	AT 25C	MICROMHO	4	111.700	2269.17	47.6358	.426462	23.8179	145.000	41.0000	79/02/05	79/11/27
00116	INTNSVE	SURVEY	IDENT	6	791618-	.419E+06	.000000		.000000	791618	791618	79/02/05	79/11/27
00300	DO		MG/L	5	11.3400	2.89319	1.70094	.149995	.760682	13.3000	8.70000	79/02/05	79/11/27
00335	COD	LOWLEVEL	MG/L	4	18.1750	290.269	17.0373	.937403	8.51865	37.3000	.400000	79/02/05	79/11/27
00400	PH		SU	5	8.21999	.087097	.295122	.035903	.131983	8.60000	7.80000	79/02/05	79/11/27
00403	LAB	PH	SU	2	6.70000	.180008	.424273	.063324	.300007	7.00000	6.40000	79/09/11	79/11/27
00410	T ALK	CACO3	MG/L	3	49.6000	5.88086	2.42505	.048892	1.40010	51.8000	47.0000	79/02/05	79/11/27
00425	HCO3 ALK	CACO3	MG/L	3	49.6000	5.88086	2.42505	.048892	1.40010	51.8000	47.0000	79/02/05	79/11/27
00430	CO3 ALK	CACO3	MG/L	3	.000000	.000000	.000000		.000000	.000000	.000000	79/02/05	79/11/27
00500	RESIDUE	TOTAL	MG/L	5	63.0200	465.654	21.5790	.342416	9.65043	85.7000	29.0000	79/02/05	79/11/27
00610	NH3+NH4-	N TOTAL	MG/L	4	.040750	.001307	.036151	.887149	.018076	.091000	.005000	79/02/05	79/11/27
00625	TOT KJEL	N	MG/L	4	.492500	.176225	.419791	.852368	.209896	1.00000	.100000	79/02/05	79/11/27
00630	NO2&NO3	N-TOTAL	MG/L	4	.054750	.001610	.040128	.732930	.020064	.090000	.020000	79/02/05	79/11/27
00665	PHOS-TOT		MG/L P	3	.023333	.000033	.005774	.247438	.003333	.030000	.020000	79/02/05	79/09/11
00720	CYANIDE	CN-TOT	MG/L	2	.020000-	.232E-09	.000000		.000000	.020000	.020000	79/02/05	79/04/04
00900	TOT HARD	CACO3	MG/L	3	57.3333	357.336	18.9033	.329709	10.9138	72.0000	36.0000	79/02/05	79/11/27
00916	CALCIUM	CA-TOT	MG/L	3	20.2667	11.0933	3.33065	.164341	1.92295	24.0000	17.6000	79/02/05	79/11/27
00927	MGNSIUM	MG,TOT	MG/L	3	4.30000	.009995	.099973	.023249	.057719	4.40000	4.20000	79/02/05	79/11/27
00929	SODIUM	NA,TOT	MG/L	3	2.03333	.043333	.208165	.102376	.120184	2.20000	1.80000	79/02/05	79/11/27
00937	PTSSIUM	K,TOT	MG/L	3	.600000	.476E-06	.000691	.001151	.000399	.600000	.600000	79/02/05	79/11/27
00940	CHLORIDE	CL	MG/L	3	1.06667	.003335	.057749	.054140	.033342	1.10000	1.00000	79/02/05	79/11/27
00945	SULFATE	SO4-TOT	MG/L	3	13.6667	16.3335	4.04147	.295717	2.33334	18.0000	10.0000	79/02/05	79/11/27
00951	FLUORIDE	F,TOTAL	MG/L	3	.076667	.000433	.020817	.271525	.012019	.100000	.060000	79/02/05	79/11/27
00956	SILICA	TOTAL	MG/L	3	6.90000	.010063	.100315	.014538	.057917	7.00000	6.80000	79/02/05	79/11/27
01002	ARSENIC	AS,TOT	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/05	79/11/27
01022	BORON	B,TOT	UG/L	3	116.667	6633.35	81.4454	.698103	47.0225	210.000	60.0000	79/02/05	79/11/27
01025	CADMIUM	CD,DISS	UG/L	5	7.40000	6.80005	2.60769	.352391	1.16619	11.0000	5.00000	79/02/05	79/11/27
01027	CADMIUM	CD,TOT	UG/L	5	7.20000	4.20007	2.04941	.284640	.916523	9.00000	5.00000	79/02/05	79/11/27
01030	CHROMIUM	CR,DISS	UG/L	1	50.0000					50.0000	50.0000	79/09/11	79/09/11
01032	CHROMIUM	HEX-VAL	UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01034	CHROMIUM	CR,TOT	UG/L	3	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01040	COPPER	CU,DISS	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/05	79/11/27
01042	COPPER	CU,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/05	79/11/27
01045	IRON	FE,TOT	UG/L	5	308.000	28370.0	168.434	.546863	75.3260	600.000	190.000	79/02/05	79/11/27
01046	IRON	FE,DISS	UG/L	5	48.0000	670.000	25.8843	.539257	11.5758	80.0000	20.0000	79/02/05	79/11/27

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MILES 0643.00 0167.80 019.10 004.50

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01051	LEAD	PB,TOT	UG/L	5	86.0000	1730.00	41.5933	.483643	18.6011	140.000	50.0000	79/02/05	79/11/27
01055	MANGNESE	MN	UG/L	4	82.5000	1291.67	35.9398	.435633	17.9699	110.000	30.0000	79/02/05	79/11/27
01067	NICKEL	NI,TOTAL	UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01077	SILVER	AG,TOT	UG/L	4	1.55000	1.21000	1.10000	.709679	.550001	3.20000	1.00000	79/02/05	79/11/27
01090	ZINC	ZN,DISS	UG/L	5	1208.00	588621	767.216	.635113	343.109	2325.00	399.000	79/02/05	79/11/27
01092	ZINC	ZN,TOT	UG/L	5	1502.40	786858	887.050	.590422	396.701	2600.00	427.000	79/02/05	79/11/27
01095	ANTIMONY	SB,DISS	UG/L	4	11.7500	4.25000	2.06155	.175451	1.03078	14.0000	10.0000	79/02/05	79/11/27
01097	ANTIMONY	SB,TOT	UG/L	4	10.2500	.250000	.500000	.048780	.250000	11.0000	10.0000	79/02/05	79/11/27
01501	ALPHA	TOTAL	PC/L	3	.663333	.239633	.489523	.737975	.282626	1.07000	.120000	79/02/05	79/11/27
03501	BETA	TOTAL	PC/L	3	2.37000	1.53571	1.23924	.522885	.715473	3.80000	1.61000	79/02/05	79/11/27
31501	TOT COLI	MFIMENDO	/100ML	5	594.000	238180	488.037	.821611	218.257	1200.00	10.0000	79/02/05	79/11/27
31616	FEC COLI	MFM-FCBR	/100ML	4	178.500	78353.6	279.917	1.56816	139.959	590.000	1.00000	79/04/04	79/11/27
31679	FECSTREP	MF M-ENT	/100ML	4	27.7500	288.916	16.9975	.612524	8.49877	44.0000	7.00000	79/04/04	79/11/27
70300	RESIDUE	DISS-180	C MG/L	5	59.2200	264.306	16.2575	.274527	7.27056	70.2000	30.5000	79/02/05	79/11/27
70507	PHOS-T	ORTHO	MG/L P	3	.010000	.000000	.000000		.000000	.010000	.010000	79/02/05	79/09/11
71900	MERCURY	HG,TOTAL	UG/L	4	1.62500	5.06250	2.25000	1.38461	1.12500	5.00000	.500000	79/02/05	79/11/27
80154	SUSP SED	CONC	MG/L	5	6.63999	64.9329	8.05809	1.21357	3.60369	19.8000	.300000	79/02/05	79/11/27

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47 30 60.0 115 50 30.0 2
CANYON CK ABOVE STANDARD MAMMOTH MINE WASTES
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 005.20

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	6	6.75000	27.1750	5.21296	.772291	2.12818	15.0000	1.50000	79/02/08	79/11/27
00061	STREAM	FLOW,	INST-CFS	2	38.8500	1818.04	42.6385	1.09752	30.1500	69.0000	8.70000	79/06/28	79/09/11
00076	TURB	TRBIDMTR	HACH FTU	6	2.35000	1.45499	1.20623	.513289	.492441	3.80000	1.20000	79/02/08	79/11/27
00094	CNDUCTVY	FIELD	MICROMHO	3	42.6667	354.336	18.8238	.441183	10.8679	55.0000	21.0000	79/04/04	79/09/11
00095	CNDUCTVY	AT 25C	MICROMHO	5	85.4800	2251.56	47.4506	.555107	21.2205	126.000	32.0000	79/02/08	79/11/27
00116	INTNSVE	SURVEY	IDENT	6	791618	-.419E+06	.000000		.000000	791618	791618	79/02/08	79/11/27
00300	DO		MG/L	5	11.1600	2.34814	1.53237	.137309	.685295	12.4000	8.60000	79/02/08	79/11/27
00335	COD	LOWLEVEL	MG/L	4	18.0000	263.447	16.2310	.901726	8.11552	37.9000	.900000	79/02/08	79/11/27
00400	PH		SU	6	8.11666	.049707	.222951	.027468	.091019	8.40000	7.80000	79/02/08	79/11/27
00403	LAB	PH	SU	3	6.33333	.443420	.665898	.105142	.384456	6.90000	5.60000	79/05/15	79/11/27
00410	T ALK	CACO3	MG/L	4	37.1750	410.389	20.2581	.544938	10.1290	49.7000	7.00000	79/02/08	79/11/27
00425	HCO3 ALK	CACO3	MG/L	4	37.1750	410.389	20.2581	.544938	10.1290	49.7000	7.00000	79/02/08	79/11/27
00430	CO3 ALK	CACO3	MG/L	4	.000000	.000000	.000000		.000000	.000000	.000000	79/02/08	79/11/27
00500	RESIDUE	TOTAL	MG/L	6	50.4833	639.541	25.2891	.500941	10.3243	76.7000	17.0000	79/02/08	79/11/27
00610	NH3+NH4-	N TOTAL	MG/L	5	.043400	.000585	.024183	.557205	.010815	.084000	.024000	79/02/08	79/11/27
00625	TOT KJEL	N	MG/L	5	.422000	.047020	.216841	.513842	.096974	.670000	.200000	79/02/08	79/11/27
00630	NO2&NO3	N-TOTAL	MG/L	5	.045600	.001247	.035310	.774344	.015791	.090000	.020000	79/02/08	79/11/27
00665	PHOS-TOT		MG/L P	3	.026667	.000233	.015275	.572823	.008819	.040000	.010000	79/02/08	79/09/11
00720	CYANIDE	CN-TOT	MG/L	1	.020000					.020000	.020000	79/02/08	79/02/08
00900	TOT HARD	CACO3	MG/L	4	48.0000	480.000	21.9089	.456435	10.9545	64.0000	16.0000	79/02/08	79/11/27
00916	CALCIUM	CA-TOT	MG/L	4	12.4000	39.8933	6.31612	.509364	3.15806	17.6000	3.20000	79/02/08	79/11/27
00927	MGNSIUM	MG,TOT	MG/L	4	3.33000	3.24553	1.80154	.541002	.900768	4.46000	.650000	79/02/08	79/11/27
00929	SODIUM	NA,TOT	MG/L	4	1.62500	.249169	.499169	.307181	.249584	2.00000	.900000	79/02/08	79/11/27
00937	PTSSIUM	K,TOT	MG/L	4	.450000	.036667	.191486	.425524	.095743	.600000	.200000	79/02/08	79/11/27
00940	CHLORIDE	CL	MG/L	4	1.32500	.202502	.450002	.339625	.225001	2.00000	1.10000	79/02/08	79/11/27
00945	SULFATE	SO4-TOT	MG/L	4	10.2500	.250000	.500000	.048780	.250000	11.0000	10.0000	79/02/08	79/11/27
00951	FLUORIDE	F,TOTAL	MG/L	2	.080000	.000800	.028285	.353557	.020000	.100000	.060000	79/09/11	79/11/27
00956	SILICA	TOTAL	MG/L	4	6.97500	.309194	.556052	.079721	.278026	7.50000	6.20000	79/02/08	79/11/27
01000	ARSENIC	AS,DISS	UG/L	1	100.000					100.000	100.000	79/11/27	79/11/27
01002	ARSENIC	AS,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/27
01022	BORON	B,TOT	UG/L	4	112.500	14158.3	118.989	1.05768	59.4944	230.000	10.0000	79/02/08	79/11/27
01025	CADMIUM	CD,DISS	UG/L	6	5.66667	2.66669	1.63300	.288177	.666670	9.00000	5.00000	79/02/08	79/11/27
01027	CADMIUM	CD,TOT	UG/L	6	6.16667	3.36669	1.83485	.297544	.749076	9.00000	5.00000	79/02/08	79/11/27
01030	CHROMIUM	CR,DISS	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/09/11
01032	CHROMIUM	HEX-VAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/27
01034	CHROMIUM	CR,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/27
01040	COPPER	CU,DISS	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/27
01042	COPPER	CU,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/27
01045	IRON	FE,TOT	UG/L	6	491.666	180537	424.896	.864196	173.463	1280.00	130.000	79/02/08	79/11/27

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2000116
47 30 60.0 115 50 30.0 2
CANYON CK ABOVE STANDARD MAMMOTH MINE WASTES
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 005.20

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01046	IRON	FE,DISS	UG/L	5	40.0000	900.000	30.0000	.750000	13.4164	90.0000	10.0000	79/02/08	79/11/27
01049	LEAD	PB,DISS	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/27
01051	LEAD	PB,TOT	UG/L	6	81.6667	1296.67	36.0093	.440930	14.7007	130.000	50.0000	79/02/08	79/11/27
01055	MANGNESE	MN	UG/L	4	85.0000	6833.33	82.6640	.972517	41.3320	200.000	20.0000	79/02/08	79/09/11
01067	NICKEL	NI,TOTAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/27
01077	SILVER	AG,TOT	UG/L	5	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/08	79/11/27
01090	ZINC	ZN,DISS	UG/L	6	767.166	246428	496.415	.647076	202.660	1400.00	245.000	79/02/08	79/11/27
01092	ZINC	ZN,TOT	UG/L	5	950.800	649083	805.657	.847347	360.301	2080.00	253.000	79/04/04	79/11/27
01095	ANTIMONY	SB,DISS	UG/L	5	12.4000	8.30011	2.88099	.232338	1.28842	16.0000	10.0000	79/02/08	79/11/27
01097	ANTIMONY	SB,TOT	UG/L	5	11.6000	5.30011	2.30220	.198465	1.02957	15.0000	10.0000	79/02/08	79/11/27
31501	TOT COLI	MFIMENDO	/100ML	5	952.000	683070	826.480	.868152	369.613	2000.00	110.000	79/04/04	79/11/27
31616	FEC COLI	MFM-FCBR	/100ML	5	137.200	13056.7	114.266	.832843	51.1013	280.000	11.0000	79/04/04	79/11/27
31679	FECSTREP	MF M-ENT	/100ML	5	35.0000	1976.50	44.4578	1.27022	19.8821	110.000	1.00000	79/04/04	79/11/27
70300	RESIDUE	DISS-180 C	MG/L	6	44.8333	360.298	18.9815	.423380	7.74917	63.0000	20.9000	79/02/08	79/11/27
70507	PHOS-T	ORTHO	MG/L P	4	.012500	.000025	.005000	.400000	.002500	.020000	.010000	79/02/08	79/09/11
71900	MERCURY	HG,TOTAL	UG/L	5	1.82000	3.98700	1.99675	1.09711	.892973	5.00000	.500000	79/02/08	79/11/27
80154	SUSP SED	CONC	MG/L	6	4.38333	9.38568	3.06361	.698922	1.25071	8.00000	.100000	79/02/08	79/11/27

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2000117
47 31 10.0 115 49 10.0 2
CANYON CK BELOW HECLA MINE WASTE
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 065000 01600 0510
MILES 0643.00 0167.80 019.10 006.40

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	6	6.60000	20.3800	4.51442	.684003	1.84300	13.0000	2.60000	79/02/08	79/11/27
00061	STREAM	FLOW,	INST-CFS	2	36.4000	1752.32	41.8607	1.15002	29.6000	66.0000	6.80000	79/06/28	79/09/11
00076	TURB	TRBIDMTR	HACH FTU	6	4.78333	10.1177	3.18084	.664985	1.29857	8.70000	1.10000	79/02/08	79/11/27
00094	CNDUCTVY	FIELD	MICROMHO	3	41.6667	358.336	18.9298	.454314	10.9291	55.0000	20.0000	79/04/04	79/09/11
00095	CNDUCTVY	AT 25C	MICROMHO	5	87.9600	2580.02	50.7938	.577466	22.7157	134.000	30.0000	79/02/08	79/11/27
00116	INTNSVE	SURVEY	IDENT	6	791617	-.209E+06	.000000		.000000	791618	791610	79/02/08	79/11/27
00300	DO		MG/L	5	11.1400	3.41815	1.84882	.165963	.826819	13.2000	8.20000	79/02/08	79/11/27
00335	COD	LOWLEVEL	MG/L	4	16.3500	580.404	24.0916	1.47349	12.0458	51.7000	.400000	79/02/08	79/11/27
00400	PH		SU	6	8.11666	.181738	.426308	.052523	.174039	8.50000	7.40000	79/02/08	79/11/27
00403	LAB	PH	SU	3	6.36666	.443420	.665898	.104591	.384456	6.80000	5.60000	79/05/15	79/11/27
00410	T ALK	CACO3	MG/L	4	39.5000	484.333	22.0076	.557154	11.0038	54.0000	7.00000	79/02/08	79/11/27
00425	HCO3 ALK	CACO3	MG/L	4	39.5000	484.333	22.0076	.557154	11.0038	54.0000	7.00000	79/02/08	79/11/27
00430	CO3 ALK	CACO3	MG/L	4	.000000	.000000	.000000		.000000	.000000	.000000	79/02/08	79/11/27
00500	RESIDUE	TOTAL	MG/L	6	56.0666	635.276	25.2047	.449549	10.2898	86.5000	23.1000	79/02/08	79/11/27
00610	NH3+NH4-	N TOTAL	MG/L	5	.040600	.001184	.034414	.847628	.015390	.078000	.001000	79/02/08	79/11/27
00625	TOT KJEL	N	MG/L	5	.344000	.068830	.262355	.762662	.117329	.690000	.100000	79/02/08	79/11/27
00630	NO2&NO3	N-TOTAL	MG/L	5	.036400	.000435	.020852	.572854	.009325	.070000	.020000	79/02/08	79/11/27
00665	PHOS-TOT		MG/L P	4	.045000	.002567	.050662	1.12583	.025331	.120000	.010000	79/02/08	79/09/11
00720	CYANIDE	CN-TOT	MG/L	2	.020000	-.232E-09	.000000		.000000	.020000	.020000	79/02/08	79/04/04
00900	TOT HARD	CACO3	MG/L	4	46.0000	560.000	23.6643	.514442	11.8322	64.0000	12.0000	79/02/08	79/11/27
00916	CALCIUM	CA-TOT	MG/L	4	12.8000	42.6667	6.53197	.510310	3.26599	17.6000	3.20000	79/02/08	79/11/27
00927	MGNSIUM	MG,TOT	MG/L	4	3.59750	3.81349	1.95281	.542826	.976408	4.80000	.700000	79/02/08	79/11/27
00929	SODIUM	NA,TOT	MG/L	4	1.82500	.629170	.793202	.434632	.396601	2.80000	.900000	79/02/08	79/11/27
00937	PTSSIUM	K,TOT	MG/L	4	.525000	.049167	.221736	.422354	.110868	.700000	.200000	79/02/08	79/11/27
00940	CHLORIDE	CL	MG/L	4	1.34500	.240100	.490000	.364313	.245000	2.08000	1.10000	79/02/08	79/11/27
00945	SULFATE	SO4-TOT	MG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/27
00951	FLUORIDE	F,TOTAL	MG/L	2	.090000	.000200	.014142	.157135	.010000	.100000	.080000	79/09/11	79/11/27
00956	SILICA	TOTAL	MG/L	4	6.90000	.340042	.583131	.084512	.291566	7.50000	6.10000	79/02/08	79/11/27
01002	ARSENIC	AS,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/27
01022	BORON	B,TOT	UG/L	4	147.500	6625.00	81.3941	.551824	40.6970	220.000	40.0000	79/02/08	79/11/27
01025	CADMIUM	CD,DISS	UG/L	6	4.50000	1.50000	1.22474	.272165	.500000	5.00000	2.00000	79/02/08	79/11/27
01027	CADMIUM	CD,TOT	UG/L	6	6.16667	8.16669	2.85774	.463418	1.16667	12.0000	5.00000	79/02/08	79/11/27
01030	CHROMIUM	CR,DISS	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/09/11
01032	CHROMIUM	HEX-VAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/27
01034	CHROMIUM	CR,TOT	UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/27
01040	COPPER	CU,DISS	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/27
01042	COPPER	CU,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/27
01045	IRON	FE,TOT	UG/L	6	921.666	390978	625.282	.678425	255.270	1910.00	60.0000	79/02/08	79/11/27
01046	IRON	FE,DISS	UG/L	5	102.000	3920.00	62.6099	.613823	28.0000	200.000	40.0000	79/02/08	79/11/27

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

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47 31 10.0 115 49 10.0 2
CANYON CK BELOW HECLA MINE WASTE
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PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 065000 01600 0510
MILES 0643.00 0167.80 019.10 006.40

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/27
01051	LEAD	PB,TOT	UG/L	6	105.000	1790.00	42.3084	.402937	17.2723	170.000	50.0000	79/02/08	79/11/27
01055	MANGNESE	MN	UG/L	5	146.000	7230.00	85.0294	.582393	38.0263	270.000	30.0000	79/02/08	79/11/27
01067	NICKEL	NI,TOTAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/27
01077	SILVER	AG,TOT	UG/L	5	1.14000	.098001	.313052	.274607	.140001	1.70000	1.00000	79/02/08	79/11/27
01090	ZINC	ZN,DISS	UG/L	6	319.833	23874.6	154.514	.483109	63.0802	493.000	115.000	79/02/08	79/11/27
01092	ZINC	ZN,TOT	UG/L	6	450.333	24407.6	156.229	.346919	63.7803	589.000	159.000	79/02/08	79/11/27
01095	ANTIMONY	SB,DISS	UG/L	4	12.2500	20.2500	4.50000	.367347	2.25000	19.0000	10.0000	79/05/15	79/11/27
01097	ANTIMONY	SB,TOT	UG/L	5	12.2000	5.20007	2.28037	.186915	1.01981	15.0000	10.0000	79/02/08	79/11/27
01501	ALPHA	TOTAL	PC/L	3	.563333	.526232	.725419	1.28773	.418821	1.40000	.110000	79/02/08	79/11/27
03501	BETA	TOTAL	PC/L	3	1.43333	1.20374	1.09715	.765453	.633439	2.70000	.780000	79/02/08	79/11/27
31501	TOT COLI	MFIMENDO	/100ML	6	4500.83	.619E+08	7870.12	1.74859	3212.96	20000.0	25.0000	79/02/08	79/11/27
31616	FEC COLI	MFM-FCBR	/100ML	6	205.000	30434.4	174.455	.850998	71.2208	500.000	1.00000	79/02/08	79/11/27
31679	FECSTREP	MF M-ENT	/100ML	6	103.667	21599.5	146.968	1.41769	59.9992	330.000	1.00000	79/02/08	79/11/27
70300	RESIDUE	DISS-180	C MG/L	6	50.7166	333.026	18.2490	.359823	7.45013	66.8000	21.6000	79/02/08	79/11/27
70507	PHOS-T	ORTHO	MG/L P	4	.022500	.000625	.025000	1.11111	.012500	.060000	.010000	79/02/08	79/09/11
71900	MERCURY	HG,TOTAL	UG/L	5	3.44000	7.66802	2.76912	.804977	1.23839	6.50000	.500000	79/02/08	79/11/27
80154	SUSP SED	CONC	MG/L	6	5.85000	16.7630	4.09427	.699876	1.67148	10.3000	.100000	79/02/08	79/11/27

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG., 1980

2000118
47 31 30.0 115 48 10.0 2
CANYON CK ABOVE O'NEILL GULCH
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 007.40

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	5	4.54000	11.6580	3.41438	.752067	1.52696	9.00000	1.20000	79/02/08	79/11/28
00061	STREAM	FLOW,	INST-CFS	2	25.0000	968.000	31.1127	1.24451	22.0000	47.0000	3.00000	79/06/28	79/09/12
00076	TURB	TRBIDMTR	HACH FTU	7	.657142	.009524	.097592	.148509	.036886	.800000	.500000	79/02/04	79/11/28
00094	CNDUCTVY	FIELD	MICROMHO	3	18.3333	108.334	10.4083	.567728	6.00926	30.0000	10.0000	79/04/04	79/09/12
00095	CNDUCTVY	AT 25C	MICROMHO	6	57.0166	869.808	29.4925	.517261	12.0403	84.0000	19.0000	79/02/04	79/11/28
00116	INTNSVE	SURVEY	IDENT	7	791618-	.524E+06	.000000		.000000	791618	791618	79/02/04	79/11/28
00300	DO		MG/L	5	11.6600	2.61810	1.61806	.138770	.723616	13.6000	9.10000	79/02/08	79/11/28
00335	COD	LOWLEVEL	MG/L	6	15.1833	152.350	12.3430	.812931	5.03901	27.0000	.400000	79/02/04	79/11/28
00400	PH		SU	5	8.21999	.057129	.239017	.029077	.106891	8.60000	8.00000	79/02/08	79/11/28
00403	LAB	PH	SU	3	6.16666	.573463	.757274	.122801	.437212	6.70000	5.30000	79/05/16	79/11/28
00410	T ALK	CACO3	MG/L	5	25.4000	159.800	12.6412	.497686	5.65332	34.0000	4.00000	79/02/04	79/11/28
00425	HCO3 ALK	CACO3	MG/L	5	25.4000	159.800	12.6412	.497686	5.65332	34.0000	4.00000	79/02/04	79/11/28
00430	CO3 ALK	CACO3	MG/L	5	.000000	.000000	.000000		.000000	.000000	.000000	79/02/04	79/11/28
00500	RESIDUE	TOTAL	MG/L	7	36.5000	481.040	21.9326	.600894	8.28975	67.4000	12.2000	79/02/04	79/11/28
00610	NH3+NH4-	N TOTAL	MG/L	6	.070333	.002268	.047626	.677152	.019443	.144000	.002000	79/02/04	79/11/28
00625	TOT KJEL	N	MG/L	6	.280000	.020800	.144222	.515081	.058879	.500000	.100000	79/02/04	79/11/28
00630	NO2&NO3	N-TOTAL	MG/L	6	.038833	.000496	.022275	.573600	.009094	.073000	.020000	79/02/04	79/11/28
00665	PHOS-TOT		MG/L P	5	.028000	.000620	.024900	.889279	.011136	.060000	.010000	79/02/04	79/09/12
00720	CYANIDE	CN-TOT	MG/L	4	.020000	.000000	.000000		.000000	.020000	.020000	79/02/08	79/06/28
00900	TOT HARD	CACO3	MG/L	5	34.8000	419.201	20.4744	.588345	9.15643	56.0000	4.00000	79/02/04	79/11/28
00916	CALCIUM	CA-TOT	MG/L	5	8.47999	19.0721	4.36716	.514996	1.95305	12.8000	1.60000	79/02/04	79/11/28
00927	MGNSIUM	MG,TOT	MG/L	5	2.18800	1.11232	1.05466	.482022	.471660	2.96000	.400000	79/02/04	79/11/28
00929	SODIUM	NA,TOT	MG/L	5	1.38000	.297002	.544979	.394912	.243722	2.20000	.700000	79/02/04	79/11/28
00937	PTSSIUM	K,TOT	MG/L	5	.260000	.023000	.151658	.583300	.067823	.500000	.100000	79/02/04	79/11/28
00940	CHLORIDE	CL	MG/L	5	1.28000	.162002	.402495	.314449	.180001	2.00000	1.10000	79/02/04	79/11/28
00945	SULFATE	SO4-TOT	MG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/04	79/11/28
00951	FLUORIDE	F,TOTAL	MG/L	2	.070000	.001800	.042427	.606093	.030000	.100000	.040000	79/09/12	79/11/28
00956	SILICA	TOTAL	MG/L	5	7.55999	.628113	.792536	.104833	.354433	8.40000	6.50000	79/02/04	79/11/28
01002	ARSENIC	AS,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/04	79/11/28
01022	BORON	B,TOT	UG/L	5	130.000	7650.00	87.4643	.672802	39.1152	230.000	10.0000	79/02/04	79/11/28
01025	CADMIUM	CD,DISS	UG/L	7	4.42857	2.28573	1.51186	.341388	.571430	5.00000	1.00000	79/02/04	79/11/28
01027	CADMIUM	CD,TOT	UG/L	7	5.00000	.000000	.000000		.000000	5.00000	5.00000	79/02/04	79/11/28
01030	CHROMIUM	CR,DISS	UG/L	4	40.0000	400.000	20.0000	.500000	10.0000	50.0000	10.0000	79/02/04	79/09/12
01032	CHROMIUM	HEX-VAL	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/04	79/11/28
01034	CHROMIUM	CR,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/04	79/11/28
01040	COPPER	CU,DISS	UG/L	7	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/04	79/11/28
01042	COPPER	CU,TOT	UG/L	7	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/04	79/11/28
01045	IRON	FE,TOT	UG/L	7	22.1428	498.810	22.3340	1.00863	8.44148	70.0000	10.0000	79/02/04	79/11/28
01046	IRON	FE,DISS	UG/L	7	10.7143	3.57149	1.88984	.176385	.714292	15.0000	10.0000	79/02/04	79/11/28

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2000118
47 31 30.0 115 48 10.0 2
CANYON CK ABOVE O'NEILL GULCH
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 007.40

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	7	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/04	79/11/28
01051	LEAD	PB,TOT	UG/L	7	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/04	79/11/28
01055	MANGNESE	MN	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/04	79/11/28
01067	NICKEL	NI,TOTAL	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/04	79/11/28
01077	SILVER	AG,TOT	UG/L	6	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/04	79/11/28
01090	ZINC	ZN,DISS	UG/L	7	19.7143	113.238	10.6414	.539779	4.02205	34.0000	3.00000	79/02/04	79/11/28
01092	ZINC	ZN,TOT	UG/L	7	15.2857	44.2382	6.65118	.435124	2.51391	20.0000	3.00000	79/02/04	79/11/28
01095	ANTIMONY	SB,DISS	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/04	79/11/28
01097	ANTIMONY	SB,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/04	79/11/28
01501	ALPHA	TOTAL	PC/L	2	.580000	.352800	.593969	1.02408	.420000	1.00000	.160000	79/05/16	79/09/12
03501	BETA	TOTAL	PC/L	2	.645000	.252050	.502046	.778365	.355000	1.00000	.290000	79/05/16	79/09/12
31501	TOT COLI	MFIMENDO	/100ML	6	126.667	76656.2	276.869	2.18581	113.031	690.000	1.00000	79/02/08	79/11/28
31616	FEC COLI	MFM-FCBR	/100ML	6	11.0000	157.200	12.5379	1.13981	5.11859	28.0000	1.00000	79/02/08	79/11/28
31679	FECSTREP	MF M-ENT	/100ML	6	251.667	374005	611.559	2.43004	249.668	1500.00	1.00000	79/02/08	79/11/28
70300	RESIDUE	DISS-180	C MG/L	7	37.3143	244.334	15.6312	.418906	5.90803	58.0000	7.00000	79/02/04	79/11/28
70507	PHOS-T	ORTHO	MG/L P	5	.012000	.000020	.004472	.372677	.002000	.020000	.010000	79/02/04	79/09/12
71900	MERCURY	HG,TOTAL	UG/L	5	2.30000	6.07500	2.46475	1.07163	1.10227	5.00000	.500000	79/02/04	79/11/28
80154	SUSP SED	CONC	MG/L	7	4.68571	23.8614	4.88482	1.04249	1.84629	13.0000	.100000	79/02/04	79/11/28

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2000119
47 31 45.0 115 47 20.0 2
CANYON CK BELOW FRENCH GULCH
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 008.30

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	5	6.10000	12.8000	3.57771	.586510	1.60000	10.0000	1.00000	79/04/05	79/11/28
00061	STREAM	FLOW,	INST-CFS	2	24.5000	684.500	26.1629	1.06787	18.5000	43.0000	6.00000	79/06/28	79/09/12
00076	TURB	TRBIDMTR	MACH FTU	6	.616666	.041667	.204125	.331013	.083334	1.00000	.400000	79/02/08	79/11/28
00094	CNDUCTVY	FIELD	MICROMHO	2	16.5000	4.50000	2.12132	.128565	1.50000	18.0000	15.0000	79/04/05	79/05/16
00095	CNDUCTVY	AT 25C	MICROMHO	5	22.0400	20.4281	4.51975	.205070	2.02129	26.6000	16.0000	79/02/08	79/11/28
00116	INTNSVE	SURVEY	IDENT	6	791618-	.419E+06	.000000		.000000	791618	791618	79/02/08	79/11/28
00300	DO		MG/L	4	11.1750	3.54923	1.88394	.168585	.941971	13.0000	8.70000	79/04/05	79/11/28
00335	COD	LOWLEVEL	MG/L	5	19.9800	341.732	18.4860	.925225	8.26719	40.6000	.400000	79/02/08	79/11/28
00400	PH		SU	5	8.26000	.703064	.838489	.101512	.374984	9.50000	7.20000	79/04/05	79/11/28
00403	LAB	PH	SU	3	5.90000	.130066	.360647	.061127	.208219	6.20000	5.50000	79/05/16	79/11/28
00410	T ALK	CACO3	MG/L	4	8.00000	8.66667	2.94392	.367990	1.47196	11.0000	4.00000	79/02/08	79/11/28
00425	HCO3 ALK	CACO3	MG/L	4	8.00000	8.66667	2.94392	.367990	1.47196	11.0000	4.00000	79/02/08	79/11/28
00430	CO3 ALK	CACO3	MG/L	4	.000000	.000000	.000000		.000000	.000000	.000000	79/02/08	79/11/28
00500	RESIDUE	TOTAL	MG/L	6	17.8666	124.415	11.1541	.624300	4.55366	40.0000	9.30000	79/02/08	79/11/28
00610	NH3+NH4-	N TOTAL	MG/L	5	.043000	.000691	.026296	.611544	.011760	.069000	.001000	79/02/08	79/11/28
00625	TOT KJEL	N	MG/L	5	.166000	.010280	.101390	.610785	.045343	.330000	.100000	79/02/08	79/11/28
00630	NO2&NO3	N-TOTAL	MG/L	5	.029800	.000285	.016888	.566708	.007552	.059000	.020000	79/02/08	79/11/28
00665	PHOS-TOT		MG/L P	4	.012500	.000025	.005000	.400000	.002500	.020000	.010000	79/02/08	79/09/12
00720	CYANIDE	CN-TOT	MG/L	1	.020000					.020000	.020000	79/02/08	79/02/08
00900	TOT HARD	CACO3	MG/L	4	17.0000	185.333	13.6137	.800807	6.80686	36.0000	4.00000	79/02/08	79/11/28
00916	CALCIUM	CA-TOT	MG/L	4	3.60000	4.05333	2.01329	.559247	1.00664	6.40000	1.60000	79/02/08	79/11/28
00927	MGNSIUM	MG,TOT	MG/L	4	.502500	.054692	.233863	.465400	.116932	.710000	.300000	79/02/08	79/11/28
00929	SODIUM	NA,TOT	MG/L	4	.850000	.010000	.100001	.117648	.050001	.900000	.700000	79/02/08	79/11/28
00937	PTSSIUM	K,TOT	MG/L	4	.175000	.002500	.050000	.285715	.025000	.200000	.100000	79/02/08	79/11/28
00940	CHLORIDE	CL	MG/L	4	1.33500	.220901	.470001	.352061	.235001	2.04000	1.10000	79/02/08	79/11/28
00945	SULFATE	SO4-TOT	MG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/28
00951	FLUORIDE	F,TOTAL	MG/L	3	.086667	.001733	.041633	.480386	.024037	.120000	.040000	79/05/16	79/11/28
00956	SILICA	TOTAL	MG/L	4	7.42500	.955912	.977708	.131678	.488854	8.30000	6.10000	79/02/08	79/11/28
01002	ARSENIC	AS,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/28
01022	BORON	B,TOT	UG/L	4	97.5000	9558.33	97.7667	1.00273	48.8834	230.000	10.0000	79/02/08	79/11/28
01025	CADMIUM	CD,DISS	UG/L	6	4.33333	2.66668	1.63300	.376846	.666669	5.00000	1.00000	79/02/08	79/11/28
01027	CADMIUM	CD,TOT	UG/L	6	5.00000	.000000	.000000		.000000	5.00000	5.00000	79/02/08	79/11/28
01030	CHROMIUM	CR,DISS	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/09/12
01032	CHROMIUM	HEX-VAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/28
01034	CHROMIUM	CR,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/28
01040	COPPER	CU,DISS	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/28
01042	COPPER	CU,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/28
01045	IRON	FE,TOT	UG/L	6	11.6667	16.6667	4.08249	.349928	1.66667	20.0000	10.0000	79/02/08	79/11/28
01046	IRON	FE,DISS	UG/L	6	13.3333	66.6667	8.16497	.612373	3.33333	30.0000	10.0000	79/02/08	79/11/28

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2000119
47 31 45.0 115 47 20.0 2
CANYON CK BELOW FRENCH GULCH
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 008.30

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/28
01051	LEAD	PB,TOT	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/28
01055	MANGNESE	MN	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/28
01067	NICKEL	NI,TOTAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/11/28
01077	SILVER	AG,TOT	UG/L	5	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/08	79/11/28
01090	ZINC	ZN,DISS	UG/L	6	2.66667	6.66667	2.58199	.968246	1.05409	6.00000	1.00000	79/02/08	79/11/28
01092	ZINC	ZN,TOT	UG/L	6	2.00000	4.00000	2.00000	1.00000	.816497	6.00000	1.00000	79/02/08	79/11/28
01095	ANTIMONY	SB,DISS	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/28
01097	ANTIMONY	SB,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/11/28
31501	TOT COLI	MFIMENDO	/100ML	6	5.83333	54.9666	7.41395	1.27096	3.02673	20.0000	1.00000	79/02/08	79/11/28
31616	FEC COLI	MFM-FCBR	/100ML	6	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/08	79/11/28
31679	FECSTREP	MF M-ENT	/100ML	6	5.66667	47.8667	6.91858	1.22092	2.82450	16.0000	1.00000	79/02/08	79/11/28
70300	RESIDUE	DISS-180 C	MG/L	6	15.4833	47.3097	6.87821	.444233	2.80802	22.0000	3.30000	79/02/08	79/11/28
70507	PHOS-T	ORTHO	MG/L P	4	.010000	-.776E-10	.000000		.000000	.010000	.010000	79/02/08	79/09/12
71900	MERCURY	HG,TOTAL	UG/L	5	1.46000	3.92300	1.98066	1.35661	.885776	5.00000	.500000	79/02/08	79/11/28
80154	SUSP SED	CONC	MG/L	6	2.36667	19.2826	4.39120	1.85544	1.79270	11.3000	.200000	79/02/08	79/11/28

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2000120
47 31 50.0 115 45 00.0 2
CANYON CK BELOW GLIDDEN LAKES OUTLETS
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 013.03

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	2	4.75000	28.1250	5.30330	1.11648	3.75000	8.50000	1.00000	79/09/12	79/11/28
00061	STREAM	FLOW,	INST-CFS	2	2.00000	2.00000	1.41421	.707107	1.00000	3.00000	1.00000	79/02/06	79/09/12
00076	TURB	TRBIDMTR	HACH FTU	6	.500000	.008000	.089444	.178888	.036515	.600000	.400000	79/02/06	79/11/28
00094	CNDUCTVY	FIELD	MICROMHO	1	15.0000					15.0000	15.0000	79/04/05	79/04/05
00095	CNDUCTVY	AT 25C	MICROMHO	5	19.4600	39.9582	6.32125	.324833	2.82695	29.8000	13.0000	79/02/06	79/11/28
00116	INTNSVE	SURVEY	IDENT	6	791618-	.419E+06	.000000		.000000	791618	791618	79/02/06	79/11/28
00300	DO		MG/L	2	10.2500	4.80528	2.19210	.213863	1.55005	11.8000	8.70000	79/09/12	79/11/28
00335	COD	LOWLEVEL	MG/L	5	21.3000	298.100	17.2656	.810591	7.72140	41.9000	2.50000	79/02/06	79/11/28
00400	PH		SU	3	8.36666	.003456	.058789	.007027	.033942	8.40000	8.30000	79/04/05	79/11/28
00403	LAB	PH	SU	3	5.80000	.130074	.360657	.062182	.208225	6.10000	5.40000	79/05/16	79/11/28
00410	T ALK	CACO3	MG/L	4	5.25000	6.91667	2.62996	.500944	1.31498	9.00000	3.00000	79/02/06	79/11/28
00425	HCO3 ALK	CACO3	MG/L	4	5.25000	6.91667	2.62996	.500944	1.31498	9.00000	3.00000	79/02/06	79/11/28
00430	CO3 ALK	CACO3	MG/L	4	.000000	.000000	.000000		.000000	.000000	.000000	79/02/06	79/11/28
00500	RESIDUE	TOTAL	MG/L	6	11.3333	13.5027	3.67460	.324230	1.50015	16.3000	6.90000	79/02/06	79/11/28
00610	NH3+NH4-	N TOTAL	MG/L	5	.046400	.000573	.023933	.515803	.010703	.066000	.007000	79/02/06	79/11/28
00625	TOT KJEL	N	MG/L	4	.272500	.057025	.238799	.876328	.119400	.600000	.090000	79/02/06	79/11/28
00630	NO2&NO3	N-TOTAL	MG/L	5	.045000	.001425	.037749	.838871	.016882	.105000	.020000	79/02/06	79/11/28
00665	PHOS-TOT		MG/L P	4	.015000	.000100	.010000	.666667	.005000	.030000	.010000	79/02/06	79/09/12
00720	CYANIDE	CN-TOT	MG/L	1	.020000					.020000	.020000	79/02/06	79/02/06
00900	TOT HARD	CACO3	MG/L	4	7.00000	4.00000	2.00000	.285714	1.00000	8.00000	4.00000	79/02/06	79/11/28
00916	CALCIUM	CA-TOT	MG/L	4	2.00000	.639999	.800000	.400000	.400000	3.20000	1.60000	79/02/06	79/11/28
00927	MGNSIUM	MG,TOT	MG/L	4	.390000	.004867	.069762	.178877	.034881	.470000	.300000	79/02/06	79/11/28
00929	SODIUM	NA,TOT	MG/L	4	.775000	.022500	.150001	.193550	.075001	.900000	.600000	79/02/06	79/11/28
00937	PTSSIUM	K,TOT	MG/L	4	.100000-	.248E-08	.000000		.000000	.100000	.100000	79/02/06	79/11/28
00940	CHLORIDE	CL	MG/L	4	1.31000	.239067	.488945	.373240	.244472	2.04000	1.00000	79/02/06	79/11/28
00945	SULFATE	SO4-TOT	MG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
00951	FLUORIDE	F,TOTAL	MG/L	4	.070000	.000600	.024495	.349930	.012248	.100000	.040000	79/02/06	79/11/28
00956	SILICA	TOTAL	MG/L	4	6.37500	.949219	.974279	.152828	.487139	7.80000	5.60000	79/02/06	79/11/28
01002	ARSENIC	AS,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01022	BORON	B,TOT	UG/L	4	92.5000	7225.00	85.0000	.918919	42.5000	210.000	10.0000	79/02/06	79/11/28
01025	CADMIUM	CD,DISS	UG/L	6	4.33333	2.66668	1.63300	.376846	.666669	5.00000	1.00000	79/02/06	79/11/28
01027	CADMIUM	CD,TOT	UG/L	6	5.00000	.000000	.000000		.000000	5.00000	5.00000	79/02/06	79/11/28
01030	CHROMIUM	CR,DISS	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/09/12
01032	CHROMIUM	HEX-VAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01034	CHROMIUM	CR,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01040	COPPER	CU,DISS	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01042	COPPER	CU,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01045	IRON	FE,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01046	IRON	FE,DISS	UG/L	6	11.6667	16.6667	4.08249	.349928	1.66667	20.0000	10.0000	79/02/06	79/11/28

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2000120
47 31 50.0 115 45 00.0 2
CANYON CK BELOW GLIDDEN LAKES OUTLETS
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 013.03

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01051	LEAD	PB,TOT	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01055	MANGNESE	MN	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/09/12
01067	NICKEL	NI,TOTAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01077	SILVER	AG,TOT	UG/L	5	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/06	79/11/28
01090	ZINC	ZN,DISS	UG/L	6	1.55000	1.73500	1.31719	.849804	.537743	4.00000	.300000	79/02/06	79/11/28
01092	ZINC	ZN,TOT	UG/L	6	1.83333	4.16667	2.04124	1.11340	.833333	6.00000	1.00000	79/02/06	79/11/28
01095	ANTIMONY	SB,DISS	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01097	ANTIMONY	SB,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01501	ALPHA	TOTAL	PC/L	2	.150000	.005000	.070711	.471404	.050000	.200000	.100000	79/02/06	79/09/12
03501	BETA	TOTAL	PC/L	2	.405000	.084050	.289914	.715837	.205000	.610000	.200000	79/02/06	79/09/12
31501	TOT COLI	MFIMENDO	/100ML	6	1.66667	1.06667	1.03280	.619679	.421638	3.00000	1.00000	79/02/06	79/11/28
31616	FEC COLI	MFM-FCBR	/100ML	6	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/06	79/11/28
31679	FECSTREP	MF M-ENT	/100ML	6	9.00000	384.000	19.5959	2.17732	8.00000	49.0000	1.00000	79/02/06	79/11/28
70300	RESIDUE	DISS-180	C MG/L	6	13.1000	33.4881	5.78689	.441747	2.36249	20.1000	4.30000	79/02/06	79/11/28
70507	PHOS-T	ORTHO	MG/L P	4	.010000	-.776E-10	.000000		.000000	.010000	.010000	79/02/06	79/09/12
71900	MERCURY	HG,TOTAL	UG/L	5	1.68000	3.81200	1.95243	1.16216	.873155	5.00000	.500000	79/02/06	79/11/28
80154	SUSP SED	CONC	MG/L	6	1.63333	4.09867	2.02452	1.23950	.826505	4.60000	.100000	79/02/06	79/11/28

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG.,1980

2000124
47 31 30.0 115 48 30.0 2
GORGE GULCH NEAR MOUTH
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510 0050
MILES 0364.00 0167.80 019.10 006.90 000.10

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	5	5.10000	23.0500	4.80104	.941381	2.14709	13.0000	1.00000	79/02/06	79/11/28
00061	STREAM	FLOW,	INST-CFS	4	6.26675	124.541	11.1598	1.78079	5.57989	23.0000	.267000	79/02/06	79/11/28
00076	TURB	TRBIDMTR	HACH FTU	6	1.26667	2.90666	1.70489	1.34597	.696020	4.70000	.300000	79/02/06	79/11/28
00094	CNDUCTVY	FIELD	MICROMHO	3	42.3333	424.334	20.5994	.486599	11.8930	58.0000	19.0000	79/04/05	79/09/11
00095	CNDUCTVY	AT 25C	MICROMHO	5	94.2999	2600.44	50.9945	.540769	22.8054	138.000	23.0000	79/02/06	79/11/28
00116	INTNSVE	SURVEY	IDENT	6	791617-	.209E+06	.000000		.000000	791618	791610	79/02/06	79/11/28
00300	DO		MG/L	5	11.4600	2.72803	1.65167	.144125	.738651	12.8000	8.70000	79/02/06	79/11/28
00335	COD	LOWLEVEL	MG/L	4	5.19999	45.4467	6.74142	1.29643	3.37071	14.7000	.400000	79/02/06	79/11/28
00400	PH		SU	5	8.50000	.395081	.628554	.073948	.281098	9.30000	7.80000	79/02/06	79/11/28
00403	LAB	PH	SU	3	6.40000	.480041	.692850	.108258	.400017	6.80000	5.60000	79/05/15	79/11/28
00410	T ALK	CACO3	MG/L	4	39.2500	495.583	22.2617	.567177	11.1309	53.0000	6.00000	79/02/06	79/11/28
00425	HCO3 ALK	CACO3	MG/L	4	39.2500	495.583	22.2617	.567177	11.1309	53.0000	6.00000	79/02/06	79/11/28
00430	CO3 ALK	CACO3	MG/L	4	.000000	.000000	.000000		.000000	.000000	.000000	79/02/06	79/11/28
00500	RESIDUE	TOTAL	MG/L	6	52.2833	527.166	22.9601	.439147	9.37341	72.5000	14.9000	79/02/06	79/11/28
00610	NH3+NH4-	N TOTAL	MG/L	5	.066200	.001625	.040308	.608877	.018026	.132000	.031000	79/02/06	79/11/28
00625	TOT KJEL	N	MG/L	5	.424000	.057280	.239332	.564463	.107033	.740000	.100000	79/02/06	79/11/28
00630	NO2&NO3	N-TOTAL	MG/L	5	.057400	.002784	.052762	.919194	.023596	.147000	.020000	79/02/06	79/11/28
00665	PHOS-TOT		MG/L P	3	.013333	.000033	.005773	.433012	.003333	.020000	.010000	79/02/06	79/09/11
00720	CYANIDE	CN-TOT	MG/L	1	.020000					.020000	.020000	79/02/06	79/02/06
00900	TOT HARD	CACO3	MG/L	4	49.0000	633.333	25.1661	.513594	12.5831	68.0000	12.0000	79/02/06	79/11/28
00916	CALCIUM	CA-TOT	MG/L	4	48.4000	7260.80	85.2103	1.76054	42.6052	176.000	1.60000	79/02/06	79/11/28
00927	MGNSIUM	MG,TOT	MG/L	4	4.31000	6.18148	2.48626	.576858	1.24313	5.90000	.600000	79/02/06	79/11/28
00929	SODIUM	NA,TOT	MG/L	4	1.92500	.569165	.754430	.391912	.377215	2.40000	.800000	79/02/06	79/11/28
00937	PTSSIUM	K,TOT	MG/L	4	.300000	.006667	.081649	.272165	.040825	.400000	.200000	79/02/06	79/11/28
00940	CHLORIDE	CL	MG/L	4	1.84500	.913431	.955736	.518014	.477868	3.10000	1.10000	79/02/06	79/11/28
00945	SULFATE	SO4-TOT	MG/L	4	10.2500	.250000	.500000	.048780	.250000	11.0000	10.0000	79/02/06	79/11/28
00951	FLUORIDE	F,TOTAL	MG/L	3	.370000	.297900	.545802	1.47514	.315119	1.00000	.040000	79/02/06	79/11/28
00956	SILICA	TOTAL	MG/L	4	7.59999	1.38009	1.17477	.154575	.587385	8.80000	6.10000	79/02/06	79/11/28
01002	ARSENIC	AS,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01022	BORON	B,TOT	UG/L	4	117.500	5158.33	71.8215	.611247	35.9108	210.000	40.0000	79/02/06	79/11/28
01025	CADMIUM	CD,DISS	UG/L	6	4.83333	.166684	.408269	.084469	.166675	5.00000	4.00000	79/02/06	79/11/28
01027	CADMIUM	CD,TOT	UG/L	6	5.00000	.000000	.000000		.000000	5.00000	5.00000	79/02/06	79/11/28
01030	CHROMIUM	CR,DISS	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/09/11
01032	CHROMIUM	HEX-VAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01034	CHROMIUM	CR,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01040	COPPER	CU,DISS	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01042	COPPER	CU,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01045	IRON	FE,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01046	IRON	FE,DISS	UG/L	6	15.0000	150.000	12.2474	.816497	5.00000	40.0000	10.0000	79/02/06	79/11/28

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2000124
47 31 30.0 115 48 30.0 2
GORGE GULCH NEAR MOUTH
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510 0050
MILES 0364.00 0167.80 019.10 006.90 000.10

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01051	LEAD	PB,TOT	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01055	MANGNESE	MN	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01067	NICKEL	NI,TOTAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01077	SILVER	AG,TOT	UG/L	5	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/06	79/11/28
01090	ZINC	ZN,DISS	UG/L	6	128.333	1223.07	34.9725	.272513	14.2775	163.000	79.0000	79/02/06	79/11/28
01092	ZINC	ZN,TOT	UG/L	6	127.500	1093.90	33.0742	.259405	13.5025	162.000	78.0000	79/02/06	79/11/28
01095	ANTIMONY	SB,DISS	UG/L	5	99.6000	6522.30	80.7608	.810851	36.1173	175.000	10.0000	79/02/06	79/11/28
01097	ANTIMONY	SB,TOT	UG/L	5	95.2000	5869.71	76.6140	.804769	34.2628	178.000	10.0000	79/02/06	79/11/28
31501	TOT COLI	MFIMENDO	/100ML	6	36.8333	2094.97	45.7708	1.24265	18.6858	100.000	1.00000	79/02/06	79/11/28
31616	FEC COLI	MFM-FCBR	/100ML	6	11.3333	277.867	16.6693	1.47082	6.80522	44.0000	1.00000	79/02/06	79/11/28
31679	FECSTREP	MF M-ENT	/100ML	6	45.0000	8360.40	91.4352	2.03189	37.3283	230.000	1.00000	79/02/06	79/11/28
70300	RESIDUE	DISS-180	C MG/L	6	52.5166	566.099	23.7928	.453053	9.71338	80.0000	16.9000	79/02/06	79/11/28
70507	PHOS-T	ORTHO	MG/L P	4	.010000	-.776E-10	.000000		.000000	.010000	.010000	79/02/06	79/09/11
71900	MERCURY	HG,TOTAL	UG/L	5	1.70000	3.54500	1.88282	1.10754	.842021	5.00000	.500000	79/02/06	79/11/28
80154	SUSP SED	CONC	MG/L	6	2.48333	11.3817	3.37367	1.35853	1.37730	9.00000	.100000	79/02/06	79/11/28

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG., 1980

2000125
47 31 20.0 115 48 25.0 2
O'NEILL GULCH NEAR MOUTH
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510 0060
MILES 0643.00 0167.80 019.10 007.00 000.10

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00061	STREAM	FLOW,	INST-CFS	4	.050000	.010000	.100000	2.00000	.050000	.200000	.000000	79/02/08	79/11/28
00076	TURB	TRBIDMTR	HACH FTU	1	.800000					.800000	.800000	79/06/28	79/06/28
00095	CNDUCTVY	AT 25C	MICROMHO	1	22.0000					22.0000	22.0000	79/06/28	79/06/28
00116	INTNSVE	SURVEY	IDENT	4	791618	-.349E+06	.000000		.000000	791618	791618	79/02/08	79/11/28
00335	COD	LOWLEVEL	MG/L	1	29.4000					29.4000	29.4000	79/06/28	79/06/28
00500	RESIDUE	TOTAL	MG/L	1	8.60000					8.60000	8.60000	79/06/28	79/06/28
00610	NH3+NH4-	N TOTAL	MG/L	1	.002000					.002000	.002000	79/06/28	79/06/28
00625	TOT KJEL	N	MG/L	1	.430000					.430000	.430000	79/06/28	79/06/28
00630	NO2&NO3	N-TOTAL	MG/L	1	.020000					.020000	.020000	79/06/28	79/06/28
00665	PHOS-TOT		MG/L P	1	.010000					.010000	.010000	79/06/28	79/06/28
01002	ARSENIC	AS,TOT	UG/L	1	10.0000					10.0000	10.0000	79/06/28	79/06/28
01025	CADMIUM	CD,DISS	UG/L	1	5.00000					5.00000	5.00000	79/06/28	79/06/28
01027	CADMIUM	CD,TOT	UG/L	1	5.00000					5.00000	5.00000	79/06/28	79/06/28
01032	CHROMIUM	HEX-VAL	UG/L	1	50.0000					50.0000	50.0000	79/06/28	79/06/28
01034	CHROMIUM	CR,TOT	UG/L	1	50.0000					50.0000	50.0000	79/06/28	79/06/28
01040	COPPER	CU,DISS	UG/L	1	10.0000					10.0000	10.0000	79/06/28	79/06/28
01042	COPPER	CU,TOT	UG/L	1	10.0000					10.0000	10.0000	79/06/28	79/06/28
01045	IRON	FE,TOT	UG/L	1	40.0000					40.0000	40.0000	79/06/28	79/06/28
01046	IRON	FE,DISS	UG/L	1	10.0000					10.0000	10.0000	79/06/28	79/06/28
01049	LEAD	PB,DISS	UG/L	1	50.0000					50.0000	50.0000	79/06/28	79/06/28
01051	LEAD	PB,TOT	UG/L	1	50.0000					50.0000	50.0000	79/06/28	79/06/28
01055	MANGNESE	MN	UG/L	1	10.0000					10.0000	10.0000	79/06/28	79/06/28
01067	NICKEL	NI,TOTAL	UG/L	1	50.0000					50.0000	50.0000	79/06/28	79/06/28
01077	SILVER	AG,TOT	UG/L	1	1.00000					1.00000	1.00000	79/06/28	79/06/28
01090	ZINC	ZN,DISS	UG/L	1	14.0000					14.0000	14.0000	79/06/28	79/06/28
01092	ZINC	ZN,TOT	UG/L	1	9.00000					9.00000	9.00000	79/06/28	79/06/28
01095	ANTIMONY	SB,DISS	UG/L	1	10.0000					10.0000	10.0000	79/06/28	79/06/28
01097	ANTIMONY	SB,TOT	UG/L	1	10.0000					10.0000	10.0000	79/06/28	79/06/28
31501	TOT COLI	MFIMENDO	/100ML	1	13.0000					13.0000	13.0000	79/06/28	79/06/28
31616	FEC COLI	MFM-FCBR	/100ML	1	5.00000					5.00000	5.00000	79/06/28	79/06/28
31679	FECSTREP	MF M-ENT	/100ML	1	1.00000					1.00000	1.00000	79/06/28	79/06/28
70300	RESIDUE	DISS-180	C MG/L	1	14.7000					14.7000	14.7000	79/06/28	79/06/28
71900	MERCURY	HG,TOTAL	UG/L	1	5.00000					5.00000	5.00000	79/06/28	79/06/28
80154	SUSP SED	CONC	MG/L	1	.200000					.200000	.200000	79/06/28	79/06/28

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2000126
47 31 35.0 115 47 30.0 2
SAWMILL GULCH NEAR MOUTH
16079 IDAHO SHOSHONE
PACIFIC NORHTWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510 0080
MILES 0643.00 0167.80 019.10 007.90 000.10

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	2	7.50000	8.00000	2.82843	.377124	2.00000	9.50000	5.50000	79/05/16	79/06/28
00061	STREAM	FLOW,	INST-CFS	4	.250000	.250000	.500000	2.00000	.250000	1.00000	.000000	79/04/05	79/11/28
00076	TURB	TRBIDMTR	HACH FTU	2	.400000	.000000	.000000		.000000	.400000	.400000	79/05/16	79/06/28
00094	CNDUCTVY	FIELD	MICROMHO	1	21.0000					21.0000	21.0000	79/05/16	79/05/16
00095	CNDUCTVY	AT 25C	MICROMHO	2	32.8500	2.64600	1.62665	.049518	1.15022	34.0000	31.7000	79/05/16	79/06/28
00116	INTNSVE	SURVEY	IDENT	5	791618	-.524E+06	.000000		.000000	791618	791618	79/04/05	79/11/28
00300	DO		MG/L	1	11.4000					11.4000	11.4000	79/05/16	79/05/16
00335	COD	LOWLEVEL	MG/L	1	41.5000					41.5000	41.5000	79/06/28	79/06/28
00400	PH		SU	2	7.80000	.720016	.848538	.108787	.600007	8.40000	7.20000	79/05/16	79/06/28
00403	LAB	PH	SU	1	6.00000					6.00000	6.00000	79/05/16	79/05/16
00410	T ALK	CACO3	MG/L	1	7.00000					7.00000	7.00000	79/05/16	79/05/16
00425	HCO3 ALK	CACO3	MG/L	1	7.00000					7.00000	7.00000	79/05/16	79/05/16
00430	CO3 ALK	CACO3	MG/L	1	.000000					.000000	.000000	79/05/16	79/05/16
00500	RESIDUE	TOTAL	MG/L	2	17.5500	43.2458	6.57616	.374710	4.65005	22.2000	12.9000	79/05/16	79/06/28
00610	NH3+NH4-	N TOTAL	MG/L	2	.033500	.001860	.043133	1.28757	.030500	.064000	.003000	79/05/16	79/06/28
00625	TOT KJEL	N	MG/L	2	.590000	.088201	.296986	.503366	.210001	.800000	.380000	79/05/16	79/06/28
00630	NO2&NO3	N-TOTAL	MG/L	2	.020000	-.232E-09	.000000		.000000	.020000	.020000	79/05/16	79/06/28
00665	PHOS-TOT		MG/L P	2	.025000	.000450	.021213	.848528	.015000	.040000	.010000	79/05/16	79/06/28
00900	TOT HARD	CACO3	MG/L	1	20.0000					20.0000	20.0000	79/05/16	79/05/16
00916	CALCIUM	CA-TOT	MG/L	1	4.80000					4.80000	4.80000	79/05/16	79/05/16
00927	MGNSIUM	MG,TOT	MG/L	1	.750000					.750000	.750000	79/05/16	79/05/16
00929	SODIUM	NA,TOT	MG/L	1	.700000					.700000	.700000	79/05/16	79/05/16
00937	PTSSIUM	K,TOT	MG/L	1	.200000					.200000	.200000	79/05/16	79/05/16
00940	CHLORIDE	CL	MG/L	1	2.04000					2.04000	2.04000	79/05/16	79/05/16
00945	SULFATE	SO4-TOT	MG/L	1	10.0000					10.0000	10.0000	79/05/16	79/05/16
00951	FLUORIDE	F,TOTAL	MG/L	1	.070000					.070000	.070000	79/05/16	79/05/16
00956	SILICA	TOTAL	MG/L	1	7.00000					7.00000	7.00000	79/05/16	79/05/16
01002	ARSENIC	AS,TOT	UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/05/16	79/06/28
01022	BORON	B,TOT	UG/L	1	80.0000					80.0000	80.0000	79/05/16	79/05/16
01025	CADMIUM	CD,DISS	UG/L	2	5.00000	.000000	.000000		.000000	5.00000	5.00000	79/05/16	79/06/28
01027	CADMIUM	CD,TOT	UG/L	2	5.00000	.000000	.000000		.000000	5.00000	5.00000	79/05/16	79/06/28
01032	CHROMIUM	HEX-VAL	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/05/16	79/06/28
01034	CHROMIUM	CR,TOT	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/05/16	79/06/28
01040	COPPER	CU,DISS	UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/05/16	79/06/28
01042	COPPER	CU,TOT	UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/05/16	79/06/28
01045	IRON	FE,TOT	UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/05/16	79/06/28
01046	IRON	FE,DISS	UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/05/16	79/06/28
01049	LEAD	PB,DISS	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/05/16	79/06/28
01051	LEAD	PB,TOT	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/05/16	79/06/28

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2000126
47 31 35.0 115 47 30.0 2
SAWMILL GULCH NEAR MOUTH
16079 IDAHO SHOSHONE
PACIFIC NORHTWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510 0080
MILES 0643.00 0167.80 019.10 007.90 000.10

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01055	MANGNESE	MN	UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/05/16	79/06/28
01067	NICKEL	NI,TOTAL	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/05/16	79/06/28
01077	SILVER	AG,TOT	UG/L	2	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/05/16	79/06/28
01090	ZINC	ZN,DISS	UG/L	2	2.00000	2.00000	1.41421	.707107	1.00000	3.00000	1.00000	79/05/16	79/06/28
01092	ZINC	ZN,TOT	UG/L	2	2.00000	2.00000	1.41421	.707107	1.00000	3.00000	1.00000	79/05/16	79/06/28
01095	ANTIMONY	SB,DISS	UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/05/16	79/06/28
01097	ANTIMONY	SB,TOT	UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/05/16	79/06/28
31501	TOT COLI	MFIMENDO	/100ML	2	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/05/16	79/06/28
31616	FEC COLI	MFM-FCBR	/100ML	2	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/05/16	79/06/28
31679	FECSTREP	MF M-ENT	/100ML	2	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/05/16	79/06/28
70300	RESIDUE	DISS-180 C	MG/L	2	26.8500	253.125	15.9099	.592548	11.2500	38.1000	15.6000	79/05/16	79/06/28
70507	PHOS-T	ORTHO	MG/L P	2	.010000	-.145E-10	.000000		.000000	.010000	.010000	79/05/16	79/06/28
71900	MERCURY	HG,TOTAL	UG/L	2	5.00000	.000000	.000000		.000000	5.00000	5.00000	79/05/16	79/06/28
80154	SUSP SED	CONC	MG/L	2	1.10000	1.62000	1.27279	1.15709	.900001	2.00000	.200000	79/05/16	79/06/28

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2000127
47 31 55.0 115 47 10.0 2
FRENCH GULCH NEAR MOUTH
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510 0110
MILES 0643.00 0167.80 019.10 008.30 000.10

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	3	9.03333	7.20348	2.68393	.297114	1.54957	11.1000	6.00000	79/05/16	79/09/12
00061	STREAM	FLOW,	INST-CFS	5	15.1420	1119.77	33.4630	2.20994	14.9651	75.0000	.000000	79/02/08	79/11/28
00076	TURB	TRBIDMTR	HACH FTU	4	.650000	.096667	.310913	.478328	.155457	1.00000	.300000	79/02/08	79/09/12
00094	CNDUCTVY	FIELD	MICROMHO	1	15.0000					15.0000	15.0000	79/05/16	79/05/16
00095	CNDUCTVY	AT 25C	MICROMHO	4	68.4999	8791.70	93.7641	1.36882	46.8820	209.000	16.8000	79/02/08	79/09/12
00116	INTNSVE	SURVEY	IDENT	6	791618	-.419E+06	.000000		.000000	791618	791618	79/02/08	79/11/28
00300	DO		MG/L	2	10.5000	5.78027	2.40422	.228973	1.70004	12.2000	8.80000	79/05/16	79/09/12
00335	COD	LOWLEVEL	MG/L	4	17.0250	287.916	16.9681	.996657	8.48404	37.9000	1.30000	79/02/08	79/09/12
00400	PH		SU	2	9.10000	.020050	.141598	.015560	.100125	9.20000	9.00000	79/05/16	79/09/12
00403	LAB	PH	SU	2	5.90000	.179993	.424255	.071908	.299994	6.20000	5.60000	79/05/16	79/09/12
00410	T ALK	CACO3	MG/L	3	35.3333	2336.33	48.3356	1.36799	27.9066	91.0000	4.00000	79/02/08	79/09/12
00425	HCO3 ALK	CACO3	MG/L	3	35.3333	2336.33	48.3356	1.36799	27.9066	91.0000	4.00000	79/02/08	79/09/12
00430	CO3 ALK	CACO3	MG/L	3	.000000	.000000	.000000		.000000	.000000	.000000	79/02/08	79/09/12
00500	RESIDUE	TOTAL	MG/L	4	47.1000	3454.27	58.7731	1.24783	29.3865	135.100	14.6000	79/02/08	79/09/12
00610	NH3+NH4-	N TOTAL	MG/L	4	.072000	.002881	.053672	.745443	.026836	.116000	.001000	79/02/08	79/09/12
00625	TOT KJEL	N	MG/L	4	.282500	.029892	.172892	.612009	.086446	.500000	.100000	79/02/08	79/09/12
00630	NO2&NO3	N-TOTAL	MG/L	4	.020000	.000000	.000000		.000000	.020000	.020000	79/02/08	79/09/12
00665	PHOS-TOT		MG/L P	4	.010000	-.776E-10	.000000		.000000	.010000	.010000	79/02/08	79/09/12
00720	CYANIDE	CN-TOT	MG/L	1	.020000					.020000	.020000	79/02/08	79/02/08
00900	TOT HARD	CACO3	MG/L	3	52.0000	4368.00	66.0908	1.27098	38.1576	128.000	8.00000	79/02/08	79/09/12
00916	CALCIUM	CA-TOT	MG/L	3	9.06666	167.253	12.9326	1.42640	7.46667	24.0000	1.60000	79/02/08	79/09/12
00927	MGNSIUM	MG,TOT	MG/L	3	3.88000	31.3612	5.60011	1.44333	3.23322	10.3400	.400000	79/02/08	79/09/12
00929	SODIUM	NA,TOT	MG/L	3	2.46667	2.72333	1.65025	.669021	.952772	4.30000	1.10000	79/02/08	79/09/12
00937	PTSSIUM	K,TOT	MG/L	3	.200000	.010000	.100000	.500000	.057735	.300000	.100000	79/02/08	79/09/12
00940	CHLORIDE	CL	MG/L	3	1.41333	.294533	.542709	.383992	.313333	2.04000	1.10000	79/02/08	79/09/12
00945	SULFATE	SO4-TOT	MG/L	3	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/09/12
00951	FLUORIDE	F,TOTAL	MG/L	2	.085000	.000450	.021213	.249566	.015000	.100000	.070000	79/05/16	79/09/12
00956	SILICA	TOTAL	MG/L	3	9.90000	4.21020	2.05188	.207260	1.18465	12.0000	7.90000	79/02/08	79/09/12
01002	ARSENIC	AS,TOT	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/09/12
01022	BORON	B,TOT	UG/L	3	70.0000	9100.00	95.3939	1.36277	55.0757	180.000	10.0000	79/02/08	79/09/12
01025	CADMIUM	CD,DISS	UG/L	4	5.00000	.000000	.000000		.000000	5.00000	5.00000	79/02/08	79/09/12
01027	CADMIUM	CD,TOT	UG/L	4	5.00000	.000000	.000000		.000000	5.00000	5.00000	79/02/08	79/09/12
01030	CHROMIUM	CR,DISS	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/09/12
01032	CHROMIUM	HEX-VAL	UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/09/12
01034	CHROMIUM	CR,TOT	UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/09/12
01040	COPPER	CU,DISS	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/09/12
01042	COPPER	CU,TOT	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/09/12
01045	IRON	FE,TOT	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/09/12
01046	IRON	FE,DISS	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/09/12

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2000127
47 31 55.0 115 47 10.0 2
FRENCH GULCH NEAR MOUTH
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510 0110
MILES 0643.00 0167.80 019.10 008.30 000.10

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/09/12
01051	LEAD	PB,TOT	UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/09/12
01055	MANGNESE	MN	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/09/12
01056	MANGNESE	MN,DISS	UG/L	1	1.00000					1.00000	1.00000	79/02/08	79/02/08
01067	NICKEL	NI,TOTAL	UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/08	79/09/12
01077	SILVER	AG,TOT	UG/L	4	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/08	79/09/12
01090	ZINC	ZN,DISS	UG/L	4	3.50000	11.0000	3.31662	.947607	1.65831	8.00000	1.00000	79/02/08	79/09/12
01092	ZINC	ZN,TOT	UG/L	4	2.25000	2.25000	1.50000	.666667	.750000	4.00000	1.00000	79/02/08	79/09/12
01095	ANTIMONY	SB,DISS	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/09/12
01097	ANTIMONY	SB,TOT	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/08	79/09/12
31501	TOT COLI	MFIMENDO	/100ML	4	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/08	79/09/12
31616	FEC COLI	MFM-FCBR	/100ML	4	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/08	79/09/12
31679	FECSTREP	MF M-ENT	/100ML	4	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/08	79/09/12
70300	RESIDUE	DISS-180	C MG/L	4	40.4500	1486.67	38.5573	.953210	19.2787	97.2000	11.1000	79/02/08	79/09/12
70507	PHOS-T	ORTHO	MG/L P	4	.010000	-.776E-10	.000000		.000000	.010000	.010000	79/02/08	79/09/12
71900	MERCURY	HG,TOTAL	UG/L	4	4.12500	19.3692	4.40105	1.06692	2.20052	10.0000	.600000	79/02/08	79/09/12
80154	SUSP SED	CONC	MG/L	4	4.52500	36.7158	6.05936	1.33909	3.02968	13.5000	.200000	79/02/08	79/09/12

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

2000128
47 31 30,0 115 47 10,0 2
SONORA GULCH
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
SPOKANE
21IDSURV 790901
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510 0100
MILES 0643.00 0167.80 019.10 008.30 000.20

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	6	4.83333	10.8667	3.29646	.682027	1.34578	9.00000	1.00000	79/02/06	79/11/28
00061	STREAM	FLOW,	INST-CFS	4	2.29175	4.67314	2.16174	.943272	1.08087	5.00000	.167000	79/02/06	79/09/12
00076	TURB	TRBIDMTR	HACH FTU	6	.516666	.037667	.194080	.375638	.079233	.900000	.400000	79/02/06	79/11/28
00094	CNDUCTVY	FIELD	MICROMHO	2	23.5000	4.50000	2.12132	.090269	1.50000	25.0000	22.0000	79/04/05	79/05/16
00095	CNDUCTVY	AT 25C	MICROMHO	5	42.2000	8.75488	2.95886	.070115	1.32324	44.1000	37.0000	79/02/06	79/11/28
00116	INTNSVE	SURVEY	IDENT	6	791618-	.419E+06	.000000		.000000	791618	791618	79/02/06	79/11/28
00300	DO		MG/L	5	11.8200	1.79218	1.33872	.113259	.598694	13.0000	9.70000	79/02/06	79/11/28
00335	COD	LOWLEVEL	MG/L	5	11.6400	145.948	12.0809	1.03788	5.40274	30.3000	.400000	79/02/06	79/11/28
00400	PH		SU	5	8.38000	.067139	.259111	.030920	.115878	8.70000	8.00000	79/02/06	79/11/28
00403	LAB	PH	SU	3	6.30000	.030083	.173444	.027531	.100138	6.40000	6.10000	79/05/16	79/11/28
00410	T ALK	CACO3	MG/L	4	16.2500	26.2500	5.12347	.315291	2.56174	21.0000	9.00000	79/02/06	79/11/28
00425	HCO3 ALK	CACO3	MG/L	4	16.2500	26.2500	5.12347	.315291	2.56174	21.0000	9.00000	79/02/06	79/11/28
00430	CO3 ALK	CACO3	MG/L	4	.000000	.000000	.000000		.000000	.000000	.000000	79/02/06	79/11/28
00500	RESIDUE	TOTAL	MG/L	6	22.0833	30.8296	5.55244	.251431	2.26678	27.7000	13.9000	79/02/06	79/11/28
00610	NH3+NH4-	N TOTAL	MG/L	5	.039200	.000764	.027644	.705210	.012363	.069000	.001000	79/02/06	79/11/28
00625	TOT KJEL	N	MG/L	5	.266000	.013780	.117389	.441311	.052498	.400000	.100000	79/02/06	79/11/28
00630	NO2&NO3	N-TOTAL	MG/L	5	.038000	.001220	.034928	.919171	.015620	.100000	.020000	79/02/06	79/11/28
00665	PHOS-TOT		MG/L P	3	.013333	.000033	.005773	.433012	.003333	.020000	.010000	79/02/06	79/09/12
00720	CYANIDE	CN-TOT	MG/L	1	.020000					.020000	.020000	79/02/06	79/02/06
00900	TOT HARD	CACO3	MG/L	4	17.0000	14.6667	3.82971	.225277	1.91485	20.0000	12.0000	79/02/06	79/11/28
00916	CALCIUM	CA-TOT	MG/L	4	5.20000	.640020	.800012	.153849	.400006	6.40000	4.80000	79/02/06	79/11/28
00927	MGNSIUM	MG,TOT	MG/L	4	1.50000	.098934	.314538	.209692	.157269	1.78000	1.10000	79/02/06	79/11/28
00929	SODIUM	NA,TOT	MG/L	4	.774999	.002501	.050009	.064527	.025004	.800000	.700000	79/02/06	79/11/28
00937	PTSSIUM	K,TOT	MG/L	4	.150000	.003333	.057735	.384901	.028868	.200000	.100000	79/02/06	79/11/28
00940	CHLORIDE	CL	MG/L	4	1.30000	.220001	.469043	.360803	.234522	2.00000	1.00000	79/02/06	79/11/28
00945	SULFATE	SO4-TOT	MG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
00951	FLUORIDE	F,TOTAL	MG/L	4	.070000	.000600	.024495	.349930	.012248	.100000	.040000	79/02/06	79/11/28
00956	SILICA	TOTAL	MG/L	4	6.70000	.380046	.616478	.092012	.308239	7.50000	6.00000	79/02/06	79/11/28
01002	ARSENIC	AS,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01022	BORON	B,TOT	UG/L	4	67.5000	7958.33	89.2095	1.32162	44.6047	200.000	10.0000	79/02/06	79/11/28
01025	CADMIUM	CD,DISS	UG/L	6	4.33333	2.66668	1.63300	.376846	.666669	5.00000	1.00000	79/02/06	79/11/28
01027	CADMIUM	CD,TOT	UG/L	6	5.00000	.000000	.000000		.000000	5.00000	5.00000	79/02/06	79/11/28
01030	CHROMIUM	CR,DISS	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/09/12
01032	CHROMIUM	HEX-VAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01034	CHROMIUM	CR,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01040	COPPER	CU,DISS	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01042	COPPER	CU,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01045	IRON	FE,TOT	UG/L	6	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01046	IRON	FE,DISS	UG/L	6	15.0000	150.000	12.2474	.816497	5.00000	40.0000	10.0000	79/02/06	79/11/28

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47 31 30.0 115 47 10.0 2
SONORA GULCH
16079 IDAHO SHOSHONE
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SPOKANE
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/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510 0100
MILES 0643.00 0167.80 019.10 008.30 000.20

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	6	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01051	LEAD	PB,TOT	UG/L	6	43.3333	266.669	16.3300	.376847	6.66670	50.0000	10.0000	79/02/06	79/11/28
01055	MANGNESE	MN	UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/09/12
01067	NICKEL	NI,TOTAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01077	SILVER	AG,TOT	UG/L	5	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/06	79/11/28
01090	ZINC	ZN,DISS	UG/L	6	3.66667	11.8667	3.44480	.939492	1.40634	8.00000	1.00000	79/02/06	79/11/28
01092	ZINC	ZN,TOT	UG/L	6	1.83333	.966669	.983193	.536287	.401387	3.00000	1.00000	79/02/06	79/11/28
01095	ANTIMONY	SB,DISS	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01097	ANTIMONY	SB,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
31501	TOT COLI	MFIMENDO	/100ML	6	4.00000	40.8000	6.38749	1.59687	2.60768	17.0000	1.00000	79/02/06	79/11/28
31616	FEC COLI	MFM-FCBR	/100ML	6	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/06	79/11/28
31679	FECSTREP	MF M-ENT	/100ML	6	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/06	79/11/28
70300	RESIDUE	DISS-180	C MG/L	6	26.7000	34.9008	5.90769	.221262	2.41180	32.3000	15.7000	79/02/06	79/11/28
70507	PHOS-T	ORTHO	MG/L P	4	.010000	-.776E-10	.000000		.000000	.010000	.010000	79/02/06	79/09/12
71900	MERCURY	HG,TOTAL	UG/L	5	1.52000	3.85200	1.96265	1.29122	.877724	5.00000	.500000	79/02/06	79/11/28
80154	SUSP SED	CONC	MG/L	6	1.08333	1.44567	1.20236	1.10987	.490861	3.00000	.100000	79/02/06	79/11/28

STORET RETRIEVAL DATE 80/12/15 - INVENT - VERSION OF AUG. 1980

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MILITARY GULCH NEAR MOUTH
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
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/TYPA/AMBNT/STREAM

INDEX 1310001 006500 01600 0510 0160
MILES 0643.00 0167.80 019.10 009.30 000.10

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	4	5.20000	9.22670	3.03755	.584144	1.51877	7.80000	1.00000	79/05/16	79/11/28
00061	STREAM	FLOW,	INST-CFS	2	.020000	.000800	.028284	1.41421	.020000	.040000	.000000	79/02/06	79/04/05
00076	TURB	TRBIDMTR	HACH FTU	5	.480000	.047000	.216796	.451658	.096954	.800000	.300000	79/02/06	79/11/28
00095	CNDUCTVY	AT 25C	MICROMHO	5	32.5400	1953.98	44.2038	1.35844	19.7685	111.600	12.0000	79/02/06	79/11/28
00116	INTNSVE	SURVEY	IDENT	6	791618	-.419E+06	.000000		.000000	791618	791618	79/02/06	79/11/28
00300	DO		MG/L	3	10.5000	2.19031	1.47997	.140949	.854460	12.2000	9.50000	79/05/16	79/11/28
00335	COD	LOWLEVEL	MG/L	5	13.9800	90.5070	9.51351	.680509	4.25457	26.3000	4.10000	79/02/06	79/11/28
00400	PH		SU	3	8.19999	.010254	.101262	.012349	.058463	8.30000	8.10000	79/05/16	79/11/28
00403	LAB	PH	SU	3	5.66666	.023460	.153168	.027030	.088431	5.80000	5.50000	79/05/16	79/11/28
00410	T ALK	CACO3	MG/L	4	3.50000	3.00000	1.73205	.494872	.866025	6.00000	2.00000	79/02/06	79/11/28
00425	HCO3 ALK	CACO3	MG/L	4	3.50000	3.00000	1.73205	.494872	.866025	6.00000	2.00000	79/02/06	79/11/28
00430	CO3 ALK	CACO3	MG/L	4	.000000	.000000	.000000		.000000	.000000	.000000	79/02/06	79/11/28
00500	RESIDUE	TOTAL	MG/L	5	9.18000	16.0721	4.00901	.436711	1.79288	13.3000	3.00000	79/02/06	79/11/28
00610	NH3+NH4-	N TOTAL	MG/L	5	.130600	.013306	.115351	.883237	.051586	.320000	.028000	79/02/06	79/11/28
00625	TOT KJEL	N	MG/L	5	.595999	1.02308	1.01147	1.69710	.452345	2.40000	.100000	79/02/06	79/11/28
00630	NO2&NO3	N-TOTAL	MG/L	5	.032600	.000794	.028174	.864246	.012600	.083000	.020000	79/02/06	79/11/28
00665	PHOS-TOT		MG/L P	4	.010000	-.776E-10	.000000		.000000	.010000	.010000	79/02/06	79/09/12
00900	TOT HARD	CACO3	MG/L	4	5.00000	4.00000	2.00000	.400000	1.00000	8.00000	4.00000	79/02/06	79/11/28
00916	CALCIUM	CA-TOT	MG/L	4	2.00000	.639999	.800000	.400000	.400000	3.20000	1.60000	79/02/06	79/11/28
00927	MGNSIUM	MG,TOT	MG/L	4	.200000	-.198E-07	.000000		.000000	.200000	.200000	79/02/06	79/11/28
00929	SODIUM	NA,TOT	MG/L	4	.825000	.842500	.917878	1.11258	.458939	2.20000	.300000	79/02/06	79/11/28
00937	PTSSIUM	K,TOT	MG/L	4	.200000	.006667	.081650	.408248	.040825	.300000	.100000	79/02/06	79/11/28
00940	CHLORIDE	CL	MG/L	4	1.28500	.255567	.505536	.393413	.252768	2.04000	1.00000	79/02/06	79/11/28
00945	SULFATE	SO4-TOT	MG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
00951	FLUORIDE	F,TOTAL	MG/L	4	.070000	.000600	.024495	.349930	.012248	.100000	.040000	79/02/06	79/11/28
00956	SILICA	TOTAL	MG/L	4	5.85000	.456690	.675789	.115519	.337894	6.50000	4.90000	79/02/06	79/11/28
01002	ARSENIC	AS,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01022	BORON	B,TOT	UG/L	4	57.5000	5691.66	75.4431	1.31205	37.7216	170.000	10.0000	79/02/06	79/11/28
01025	CADMIUM	CD,DISS	UG/L	5	4.20000	3.20002	1.78886	.425919	.800003	5.00000	1.00000	79/02/06	79/11/28
01027	CADMIUM	CD,TOT	UG/L	5	5.00000	.000000	.000000		.000000	5.00000	5.00000	79/02/06	79/11/28
01030	CHROMIUM	CR,DISS	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/09/12
01032	CHROMIUM	HEX-VAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01034	CHROMIUM	CR,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01040	COPPER	CU,DISS	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01042	COPPER	CU,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01045	IRON	FE,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01046	IRON	FE,DISS	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01049	LEAD	PB,DISS	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01051	LEAD	PB,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28

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47 31 40.0 115 46 00.0 2
MILITARY GULCH NEAR MOUTH
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INDEX 1310001 006500 01600 0510 0160
MILES 0643.00 0167.80 019.10 009.30 000.10

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01055	MANGNESE	MN	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01067	NICKEL	NI,TOTAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/06	79/11/28
01077	SILVER	AG,TOT	UG/L	5	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/06	79/11/28
01090	ZINC	ZN,DISS	UG/L	5	3.80000	4.70002	2.16795	.570514	.969538	7.00000	1.00000	79/02/06	79/11/28
01092	ZINC	ZN,TOT	UG/L	5	2.40000	2.30000	1.51658	.631907	.678233	4.00000	1.00000	79/02/06	79/11/28
01095	ANTIMONY	SB,DISS	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
01097	ANTIMONY	SB,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/06	79/11/28
31501	TOT COLI	MFIMENDO	/100ML	5	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/02/06	79/11/28
31616	FEC COLI	MFM-FCBR	/100ML	5	1.40000	.800001	.894428	.638877	.400000	3.00000	1.00000	79/02/06	79/11/28
31679	FECSTREP	MF M-ENT	/100ML	5	1.20000	.200001	.447214	.372679	.200000	2.00000	1.00000	79/02/06	79/11/28
70300	RESIDUE	DISS-180	C MG/L	5	12.5800	12.7521	3.57100	.283864	1.59700	16.4000	7.20000	79/02/06	79/11/28
70507	PHOS-T	ORTHO	MG/L P	4	.010000	-.776E-10	.000000		.000000	.010000	.010000	79/02/06	79/09/12
71900	MERCURY	HG,TOTAL	UG/L	5	1.12000	1.17200	1.08259	.966597	.484149	3.00000	.500000	79/02/06	79/11/28
80154	SUSP SED	CONC	MG/L	5	1.28000	1.06700	1.03296	.806998	.461952	2.10000	.100000	79/02/06	79/11/28

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47 29 20.0 115 53 20.0 F
HECLA-STAR MORNING MINE & MILL DISCHARGE
16079 IDAHO SHOSHONE
PACIFIC NORTHWEST 130300
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0000 CLASS 00

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INDEX 1310001 006500 01600 0510
MILES 0643.00 0167.80 019.10 001.90

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	6	10.1500	37.9430	6.15979	.606876	2.51472	16.0000	2.60000	79/02/05	79/11/27
00061	STREAM	FLOW,	INST-CFS	2	2.26000	.135204	.367701	.162700	.260004	2.52000	2.00000	79/06/28	79/09/11
00076	TURB	TRBIDMTR	HACH FTU	6	16.5833	76.7458	8.76047	.528270	3.57645	27.0000	5.10000	79/02/05	79/11/27
00094	CNDUCTVY	FIELD	MICROMHO	3	185.667	826.375	28.7467	.154830	16.5969	212.000	155.000	79/04/04	79/09/11
00095	CNDUCTVY	AT 25C	MICROMHO	5	269.740	1077.95	32.8322	.121718	14.6830	299.000	214.700	79/02/05	79/11/27
00116	INTNSVE	SURVEY	IDENT	6	791617-	.209E+06	.000000		.000000	791618	791610	79/02/05	79/11/27
00300	DO		MG/L	5	9.93999	2.76813	1.66377	.167381	.744060	12.2000	8.20000	79/02/05	79/11/27
00335	COD	LOWLEVEL	MG/L	3	41.5666	79.1465	8.89643	.214028	5.13636	47.0000	31.3000	79/06/28	79/11/27
00400	PH		SU	6	7.98333	.137744	.371139	.046489	.151517	8.50000	7.60000	79/02/05	79/11/27
00403	LAB	PH	SU	3	7.23333	.703400	.838689	.115948	.484217	8.20000	6.70000	79/05/15	79/11/27
00410	T ALK	CACO3	MG/L	4	52.1250	68.7292	8.29030	.159047	4.14515	60.5000	42.0000	79/02/05	79/11/27
00425	HCO3 ALK	CACO3	MG/L	4	52.1250	68.7292	8.29030	.159047	4.14515	60.5000	42.0000	79/02/05	79/11/27
00430	CO3 ALK	CACO3	MG/L	4	.000000	.000000	.000000		.000000	.000000	.000000	79/02/05	79/11/27
00500	RESIDUE	TOTAL	MG/L	6	172.483	407.087	20.1764	.116976	8.23698	200.500	139.600	79/02/05	79/11/27
00610	NH3+NH4-	N TOTAL	MG/L	5	.886199	.121890	.349127	.393960	.156134	1.28000	.418000	79/02/05	79/11/27
00625	TOT KJEL	N	MG/L	5	1.90200	.296322	.544355	.286201	.243443	2.80000	1.40000	79/02/05	79/11/27
00630	NO2&NO3	N-TOTAL	MG/L	4	1.09750	.269159	.518805	.472716	.259402	1.67000	.410000	79/02/05	79/11/27
00665	PHOS-TOT		MG/L P	4	.027500	.000825	.028723	1.04447	.014361	.070000	.010000	79/02/05	79/09/11
00720	CYANIDE	CN-TOT	MG/L	5	.032600	.000623	.024956	.765521	.011161	.077000	.020000	79/02/05	79/09/11
00900	TOT HARD	CACO3	MG/L	4	73.0000	100.000	10.0000	.136986	5.00000	84.0000	60.0000	79/02/05	79/11/27
00916	CALCIUM	CA-TOT	MG/L	4	20.0000	9.38704	3.06383	.153191	1.53191	22.4000	16.0000	79/02/05	79/11/27
00927	MGNSIUM	MG,TOT	MG/L	4	3.61250	.679693	.824435	.228217	.412217	4.59000	2.90000	79/02/05	79/11/27
00929	SODIUM	NA,TOT	MG/L	4	23.3250	39.6832	6.29946	.270073	3.14973	28.2000	14.1000	79/02/05	79/11/27
00937	PTSSIUM	K,TOT	MG/L	4	4.45000	1.56335	1.25034	.280975	.625170	5.30000	2.60000	79/02/05	79/11/27
00940	CHLORIDE	CL	MG/L	4	3.88750	10.4806	3.23738	.832767	1.61869	7.10000	1.10000	79/02/05	79/11/27
00945	SULFATE	SO4-TOT	MG/L	4	61.2500	448.916	21.1876	.345921	10.5938	90.0000	40.0000	79/02/05	79/11/27
00951	FLUORIDE	F,TOTAL	MG/L	3	.110000	.000300	.017320	.157459	.010000	.120000	.090000	79/02/05	79/11/27
00956	SILICA	TOTAL	MG/L	4	5.93750	.575673	.758731	.127786	.379366	6.80000	5.00000	79/02/05	79/11/27
01002	ARSENIC	AS,TOT	UG/L	5	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/02/05	79/11/27
01022	BORON	B,TOT	UG/L	4	152.500	2825.00	53.1507	.348529	26.5754	220.000	110.000	79/02/05	79/11/27
01025	CADMIUM	CD,DISS	UG/L	6	7.33333	14.6667	3.82971	.522234	1.56347	14.0000	5.00000	79/02/05	79/11/27
01027	CADMIUM	CD,TOT	UG/L	6	12.3333	53.0667	7.28469	.590651	2.97396	23.0000	6.00000	79/02/05	79/11/27
01030	CHROMIUM	CR,DISS	UG/L	1	50.0000					50.0000	50.0000	79/09/11	79/09/11
01032	CHROMIUM	HEX-VAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01034	CHROMIUM	CR,TOT	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01040	COPPER	CU,DISS	UG/L	6	76.6667	8466.67	92.0145	1.20019	37.5648	200.000	10.0000	79/02/05	79/11/27
01042	COPPER	CU,TOT	UG/L	6	216.667	39866.7	199.666	.921537	81.5135	500.000	40.0000	79/02/05	79/11/27
01045	IRON	FE,TOT	UG/L	6	471.666	48417.0	220.039	.466513	89.8304	730.000	210.000	79/02/05	79/11/27
01046	IRON	FE,DISS	UG/L	6	28.3333	1056.67	32.5064	1.14728	13.2707	90.0000	10.0000	79/02/05	79/11/27

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HECLA-STAR MORNING MINE & MILL DISCHARGE
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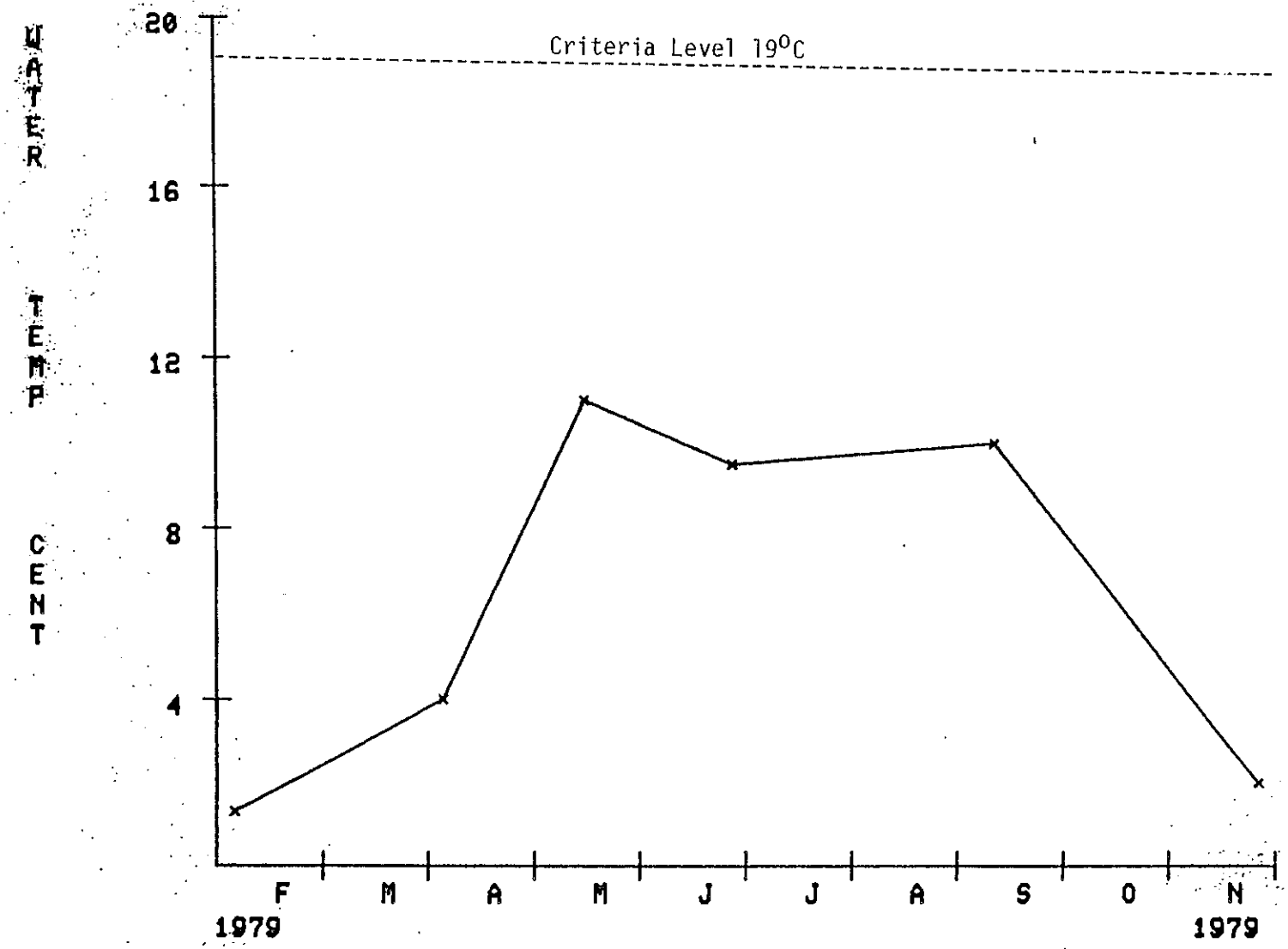
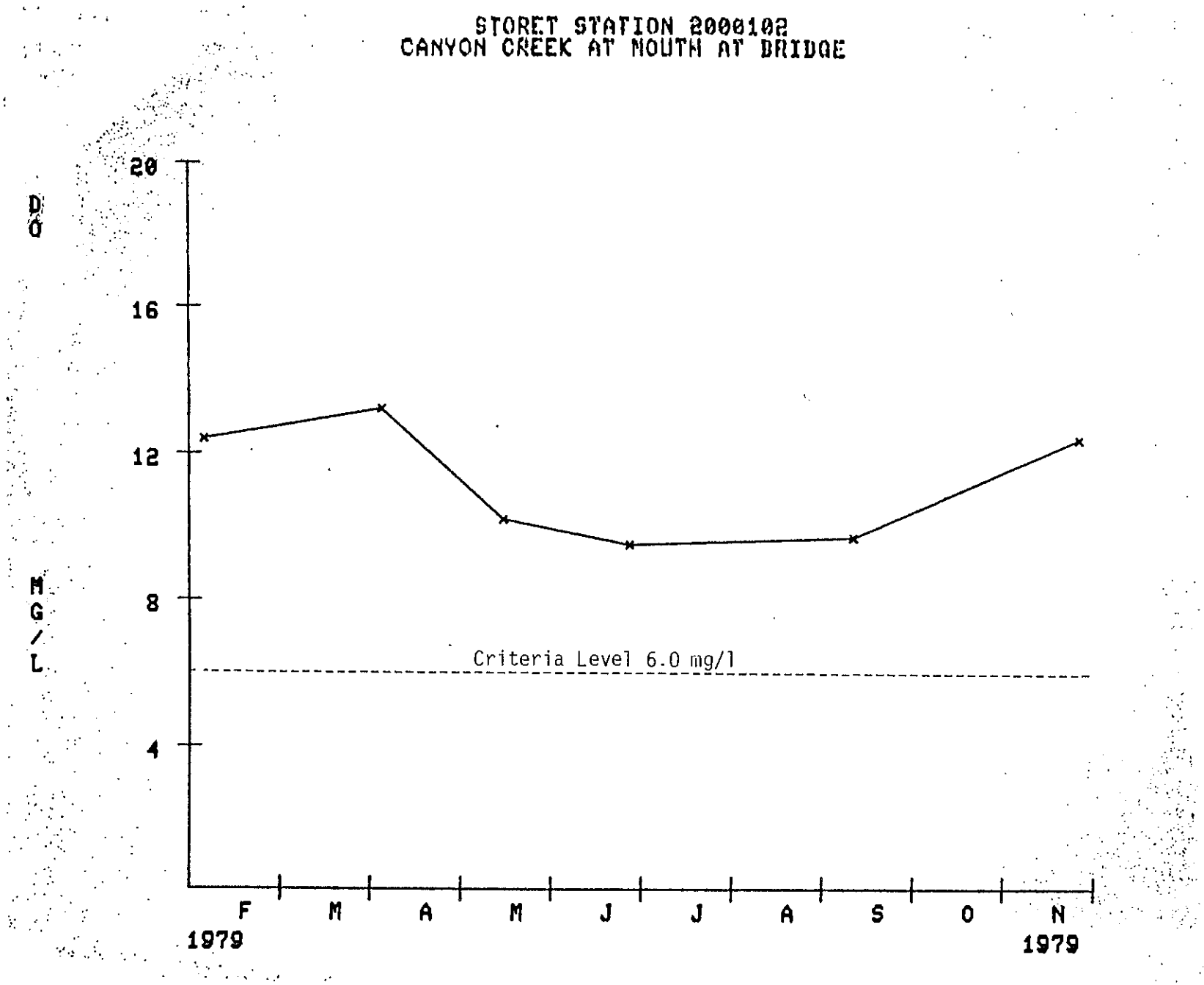
MILES 0643.00 0167.80 019.10 001.90

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01049	LEAD	PB,DISS	UG/L	6	65.0000	550.000	23.4521	.360801	9.57427	100.000	50.0000	79/02/05	79/11/27
01051	LEAD	PB,TOT	UG/L	6	176.667	5146.69	71.7404	.406078	29.2879	320.000	120.000	79/02/05	79/11/27
01055	MANGNESE	MN	UG/L	5	512.000	130270	360.929	.704940	161.413	1110.00	240.000	79/02/05	79/11/27
01067	NICKEL	NI,TOTAL	UG/L	5	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/02/05	79/11/27
01077	SILVER	AG,TOT	UG/L	5	1.40000	.800001	.894428	.638877	.400000	3.00000	1.00000	79/02/05	79/11/27
01090	ZINC	ZN,DISS	UG/L	6	1194.83	1139769	1067.60	.893513	435.846	2680.00	289.000	79/02/05	79/11/27
01092	ZINC	ZN,TOT	UG/L	6	1954.83	1044406	1021.96	.522787	417.214	3140.00	865.000	79/02/05	79/11/27
01095	ANTIMONY	SB,DISS	UG/L	5	36.4000	199.301	14.1174	.387840	6.31349	53.0000	14.0000	79/02/05	79/11/27
01097	ANTIMONY	SB,TOT	UG/L	5	34.6000	177.302	13.3155	.384840	5.95486	49.0000	15.0000	79/02/05	79/11/27
31501	TOT COLI	MFIMENDO	/100ML	6	2.66667	13.0667	3.61478	1.35554	1.47573	10.0000	1.00000	79/02/05	79/11/27
31616	FEC COLI	MFM-FCBR	/100ML	5	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/04/04	79/11/27
31679	FECSTREP	MF M-ENT	/100ML	5	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/04/04	79/11/27
70300	RESIDUE	DISS-180 C	MG/L	6	153.633	457.737	21.3948	.139259	8.73439	172.000	114.800	79/02/05	79/11/27
70507	PHOS-T	ORTHO	MG/L P	4	.012500	.000025	.005000	.400000	.002500	.020000	.010000	79/02/05	79/09/11
71900	MERCURY	HG,TOTAL	UG/L	5	3.08000	11.3420	3.36779	1.09344	1.50612	8.10000	.500000	79/02/05	79/11/27
80154	SUSP SED	CONC	MG/L	6	9.30000	67.6279	8.22362	.884261	3.35728	22.4000	1.20000	79/02/05	79/11/27

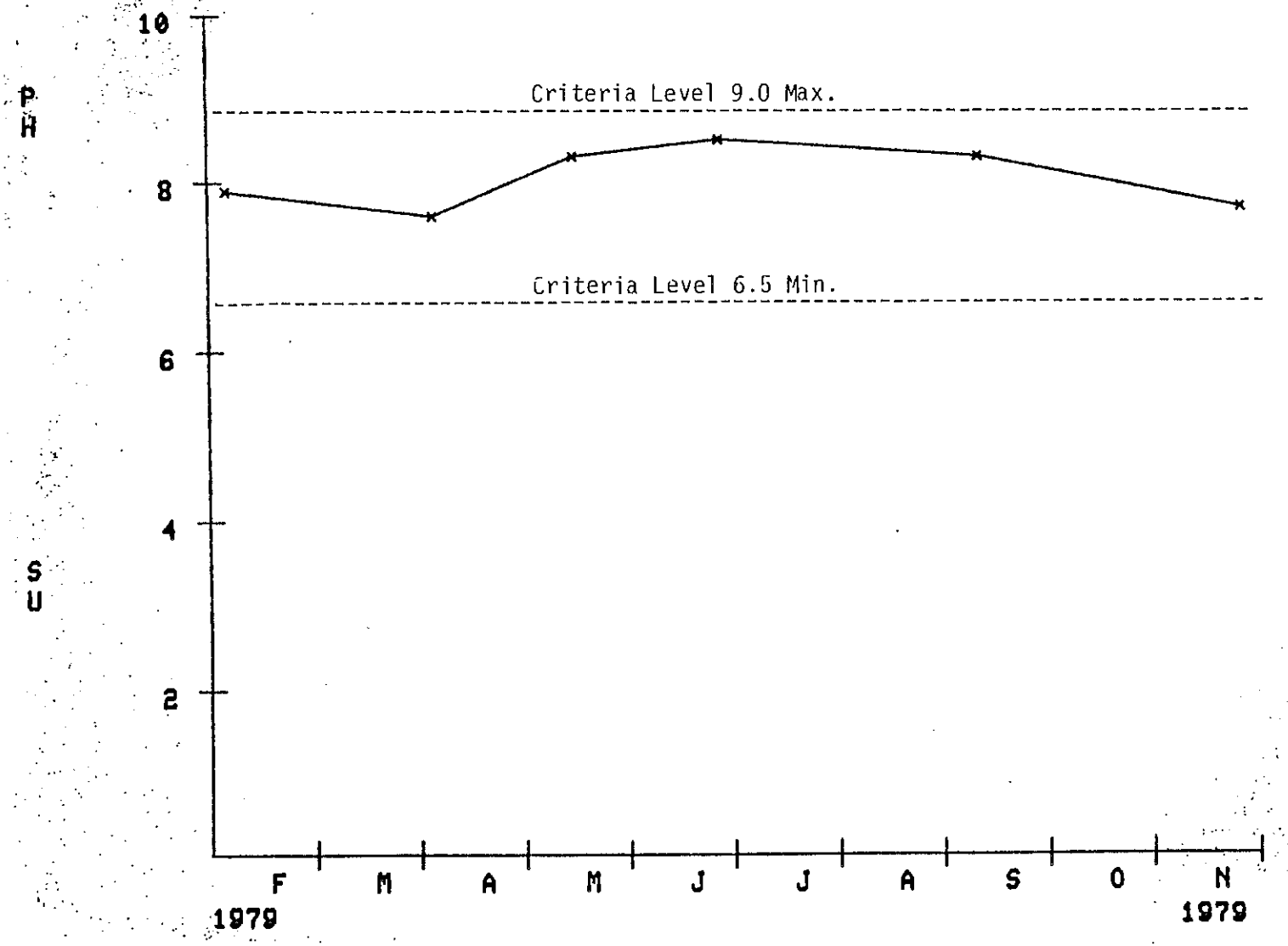
GRAPHICS

STORET STATION 2000102
CANYON CREEK AT MOUTH AT BRIDGE




STORET STATION 2000102
CANYON CREEK AT MOUTH AT BRIDGE
DO
MG/L
20
16
12
8
4
Criteria Level 6.0 mg/l
F
M
A
M
J
J
A
S
O
N
1979
1979

STORET STATION 2000102
CANYON CREEK AT MOUTH AT BRIDGE



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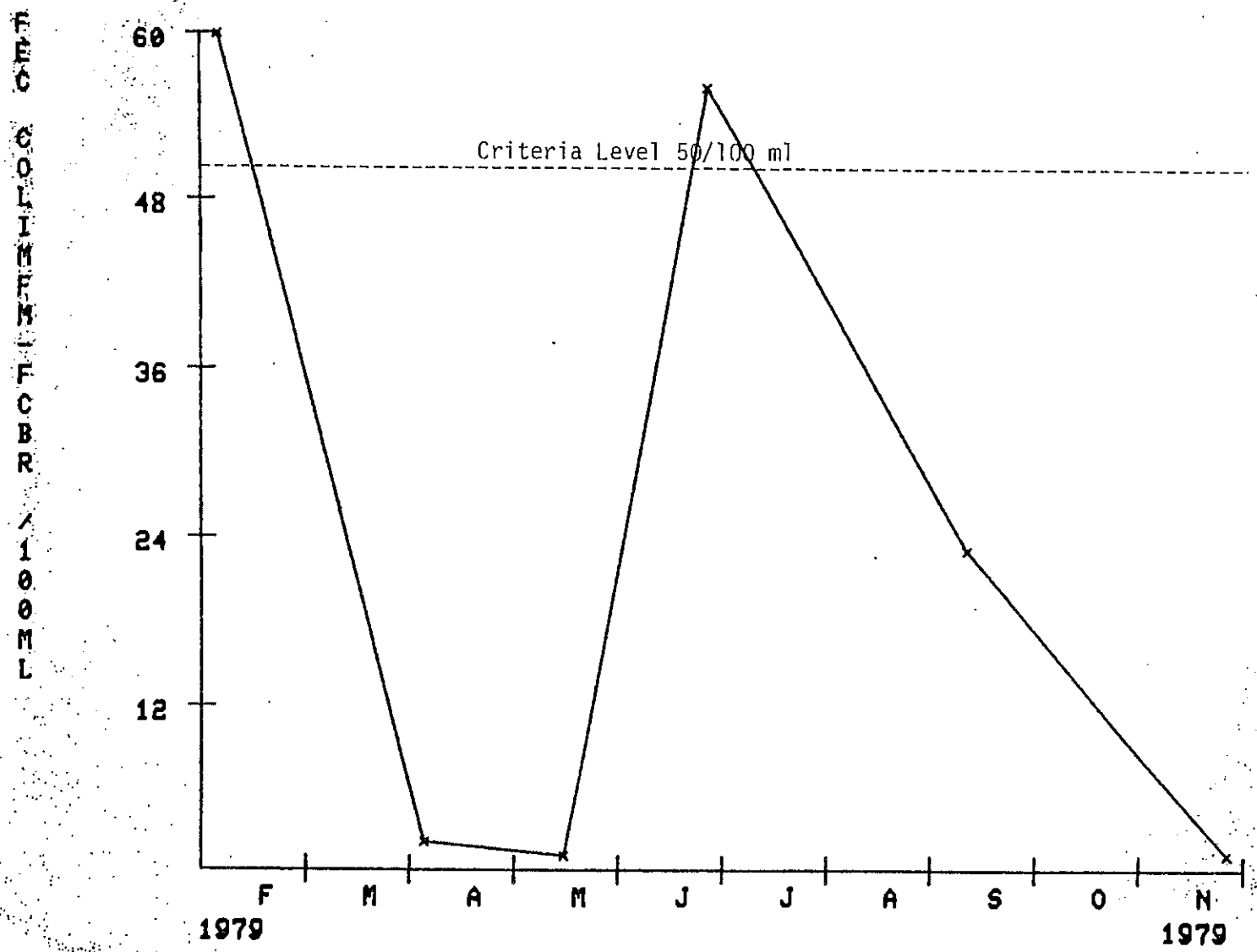

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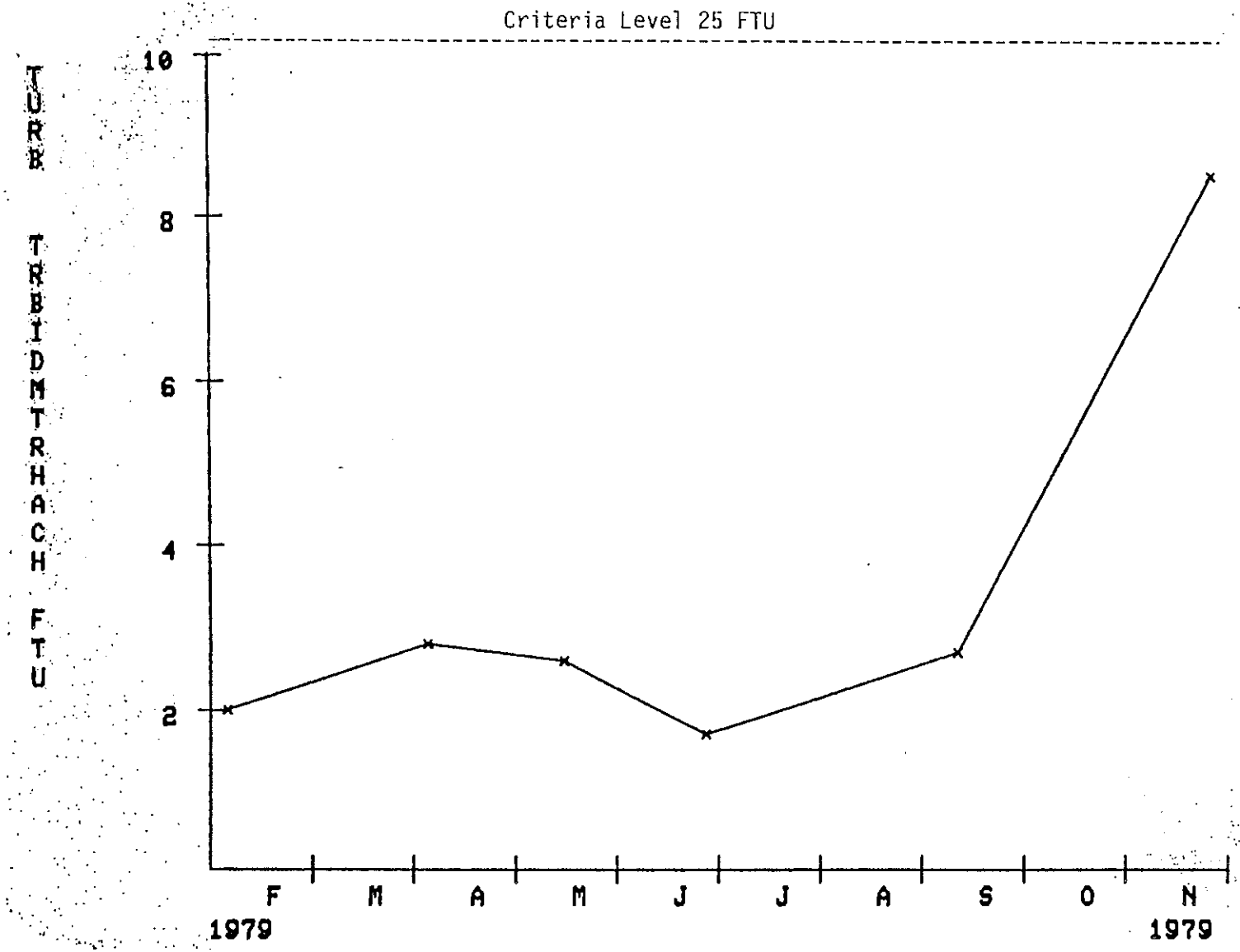

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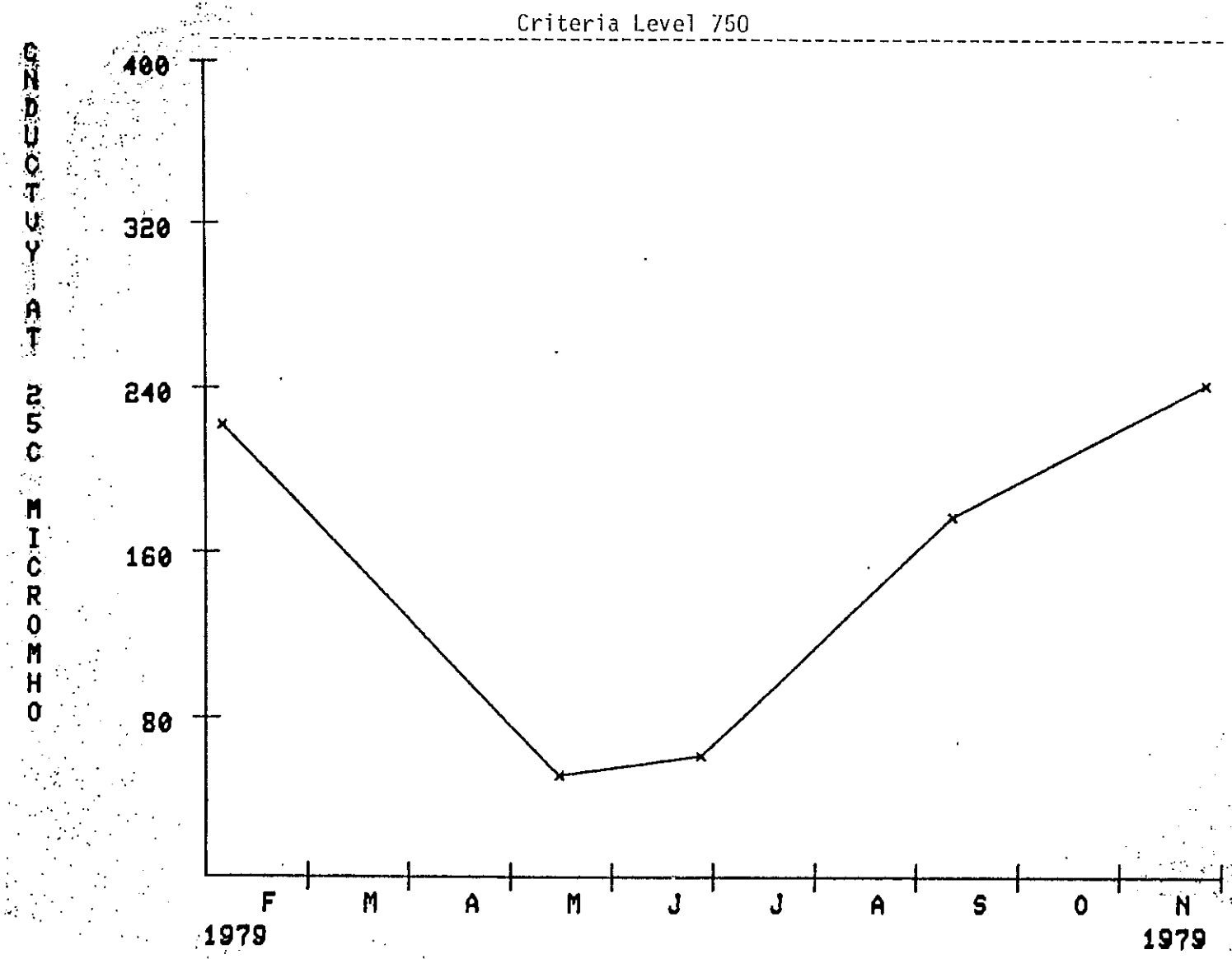

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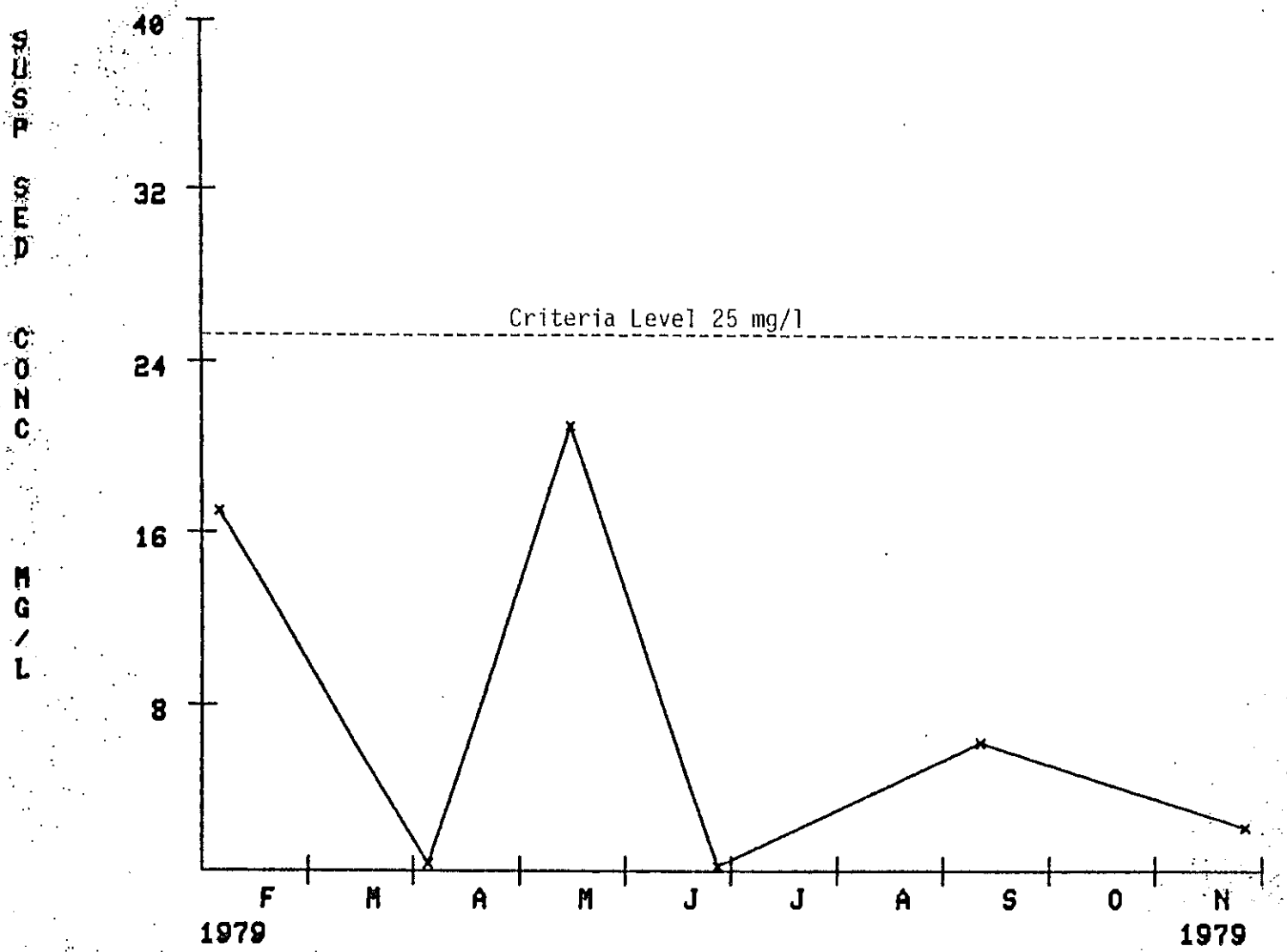

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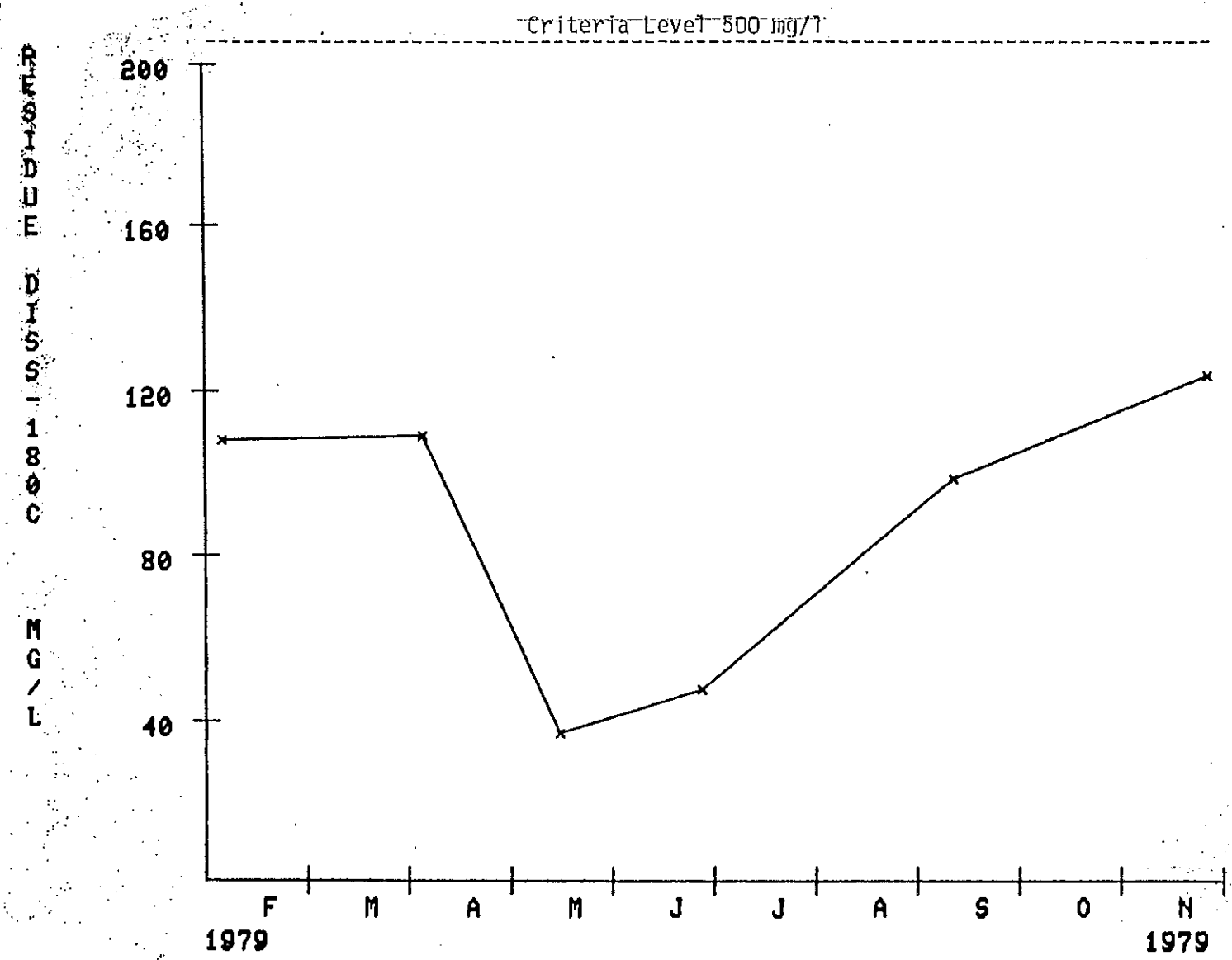

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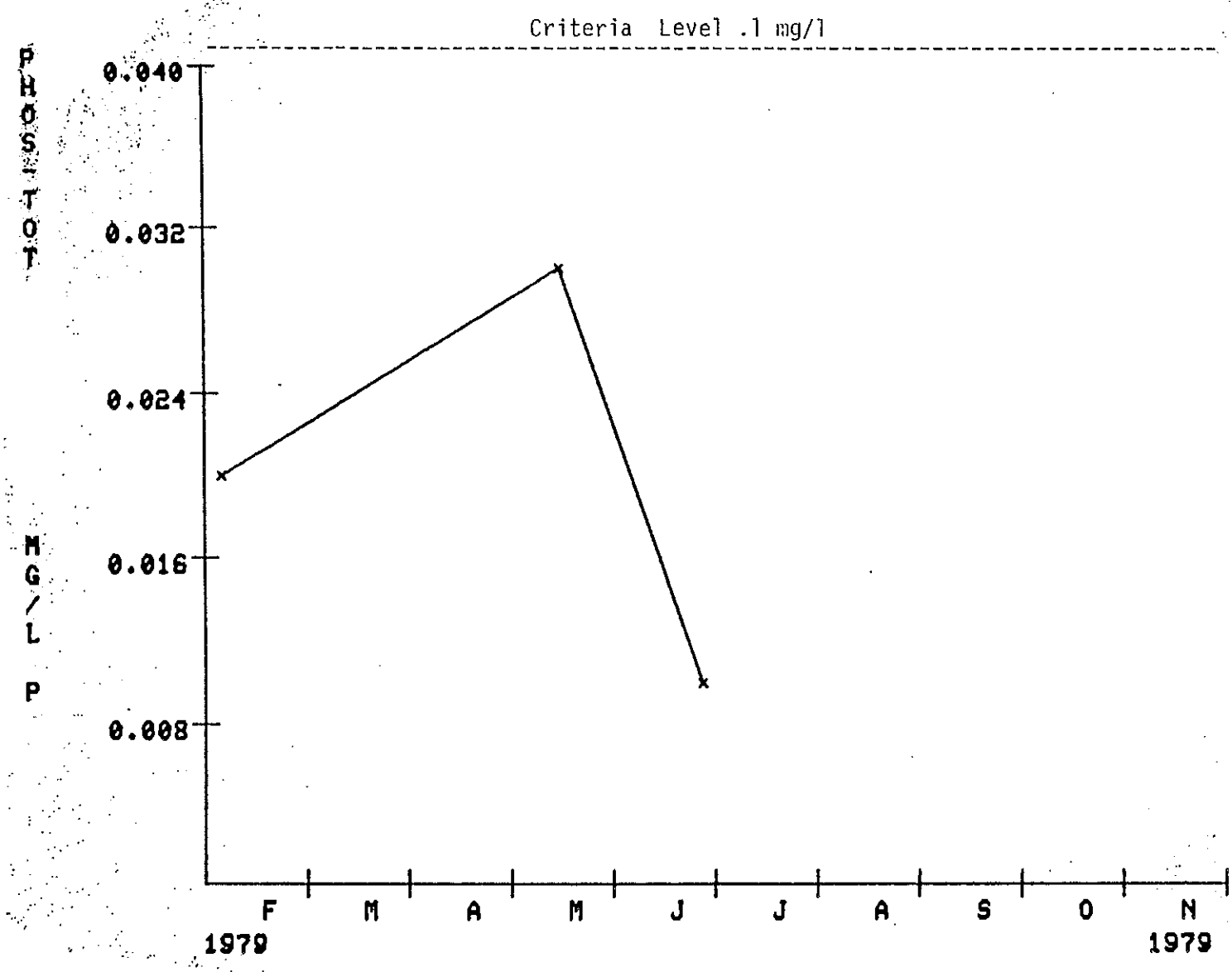

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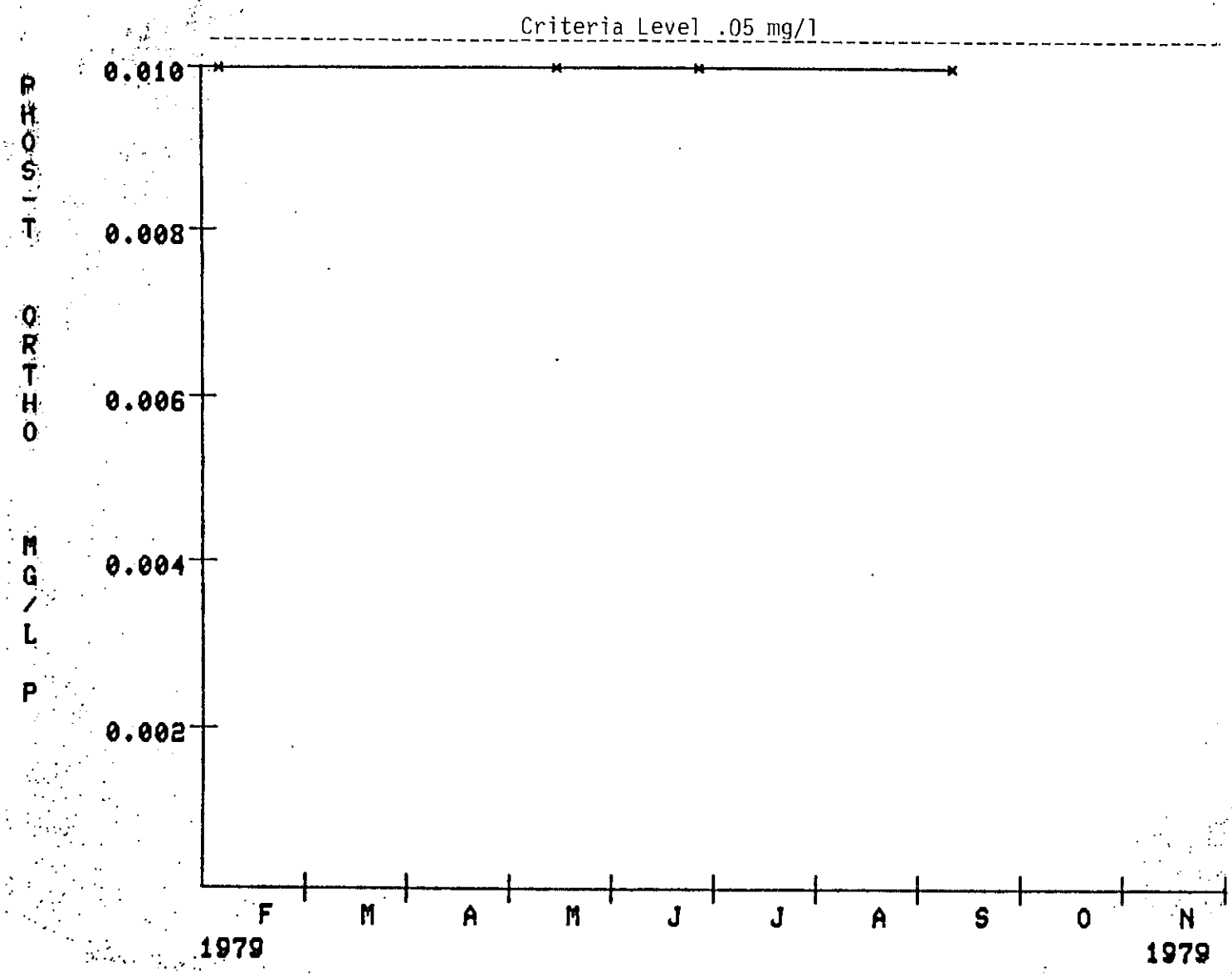

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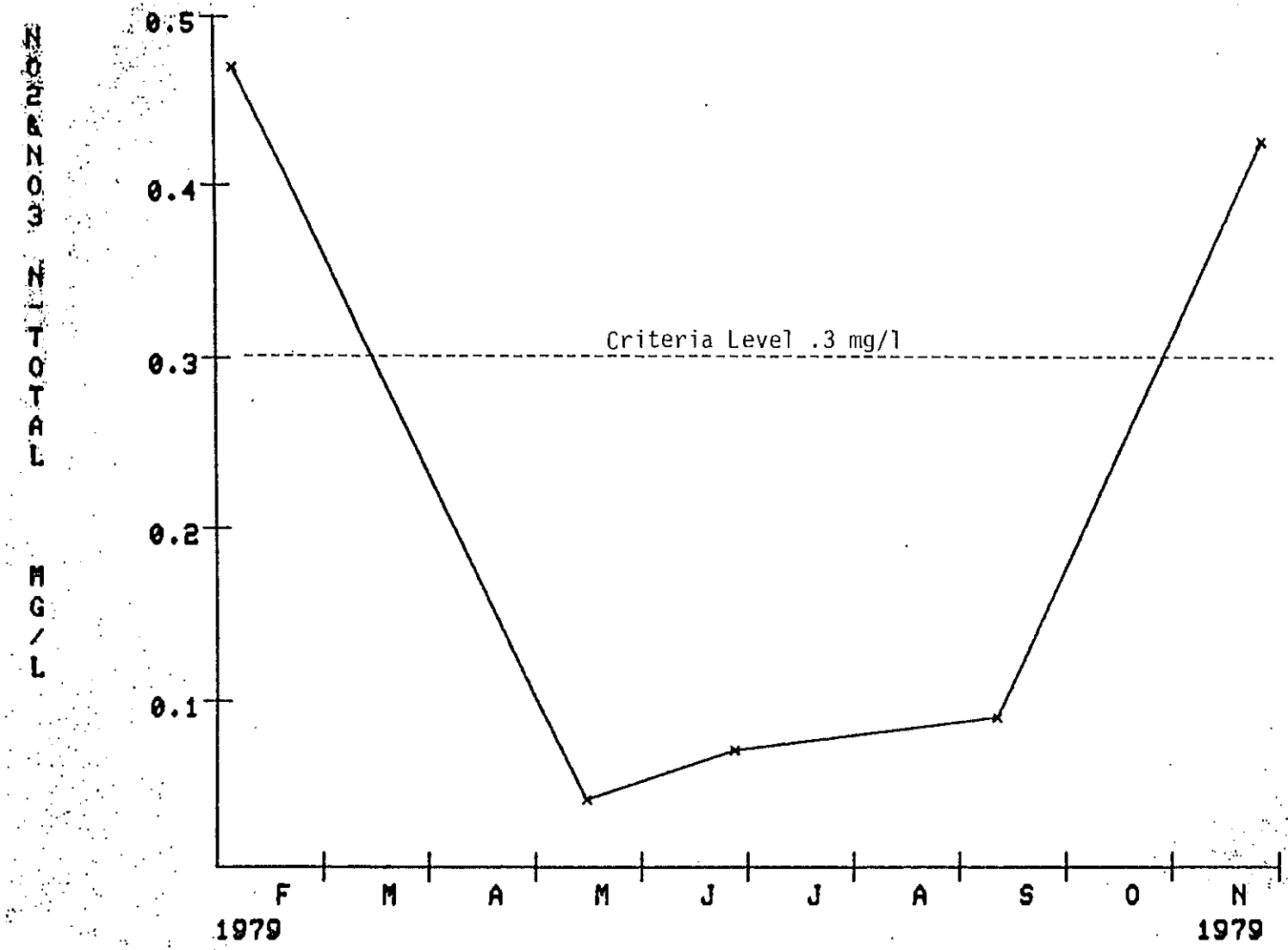

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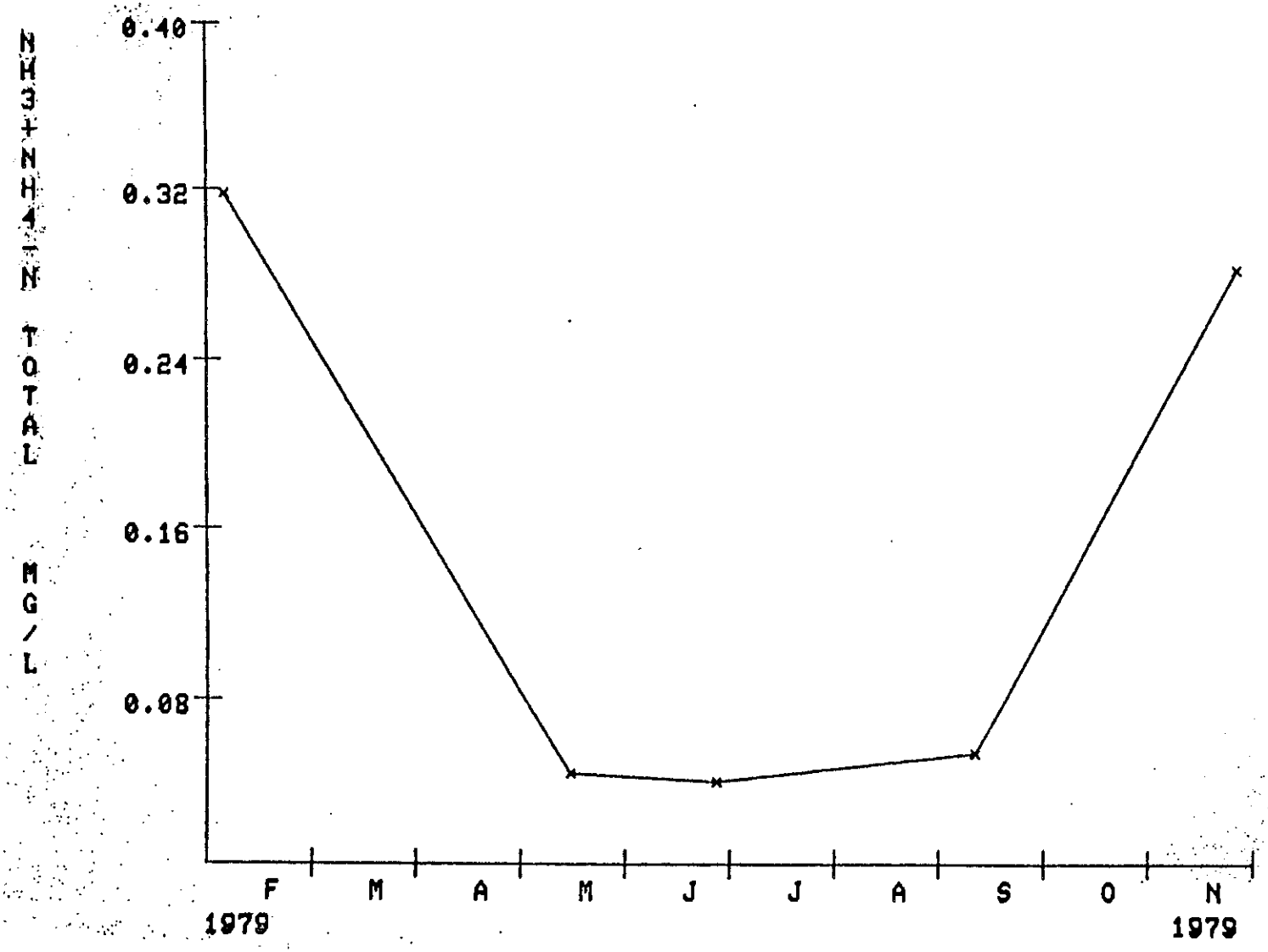

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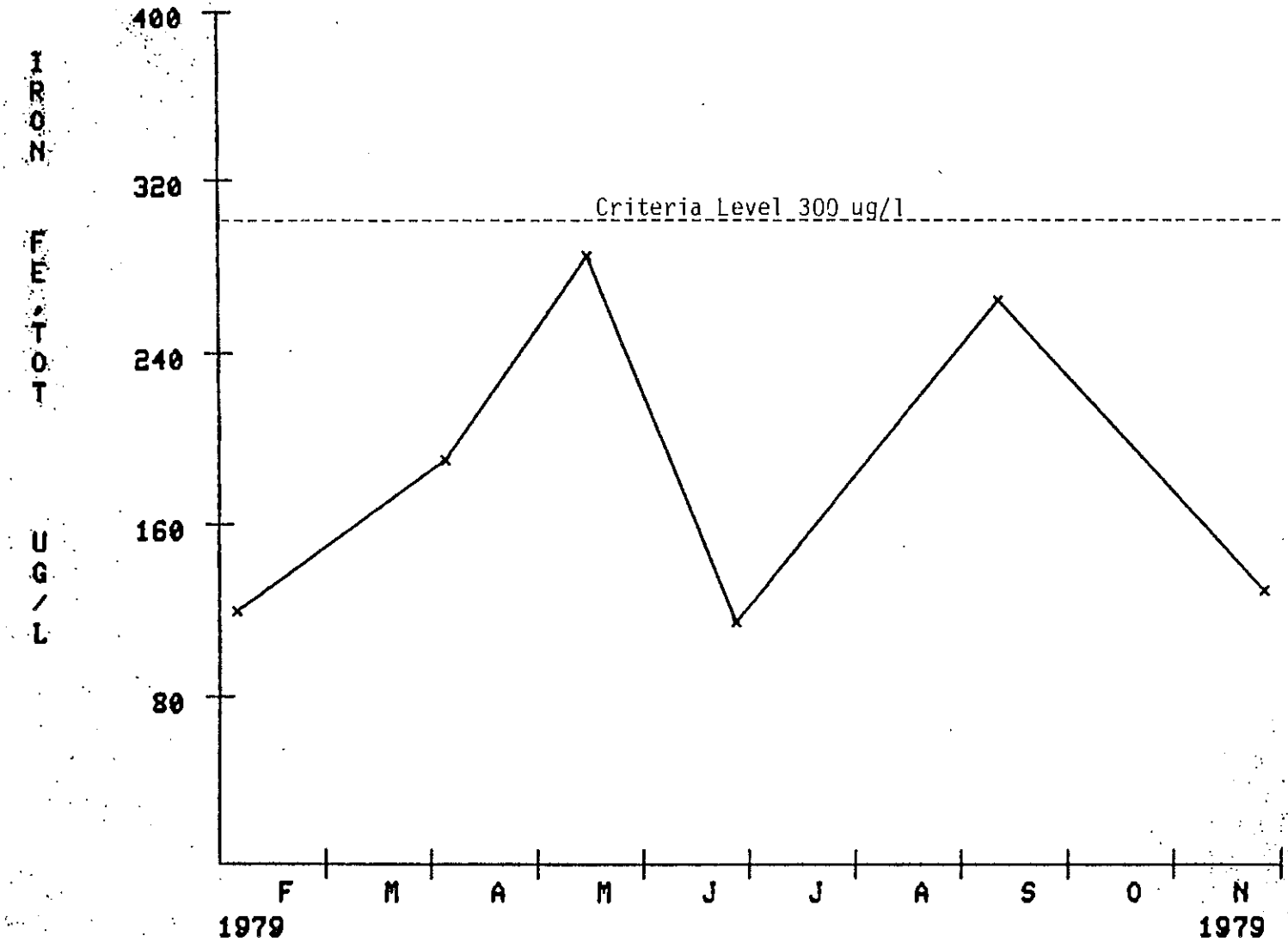

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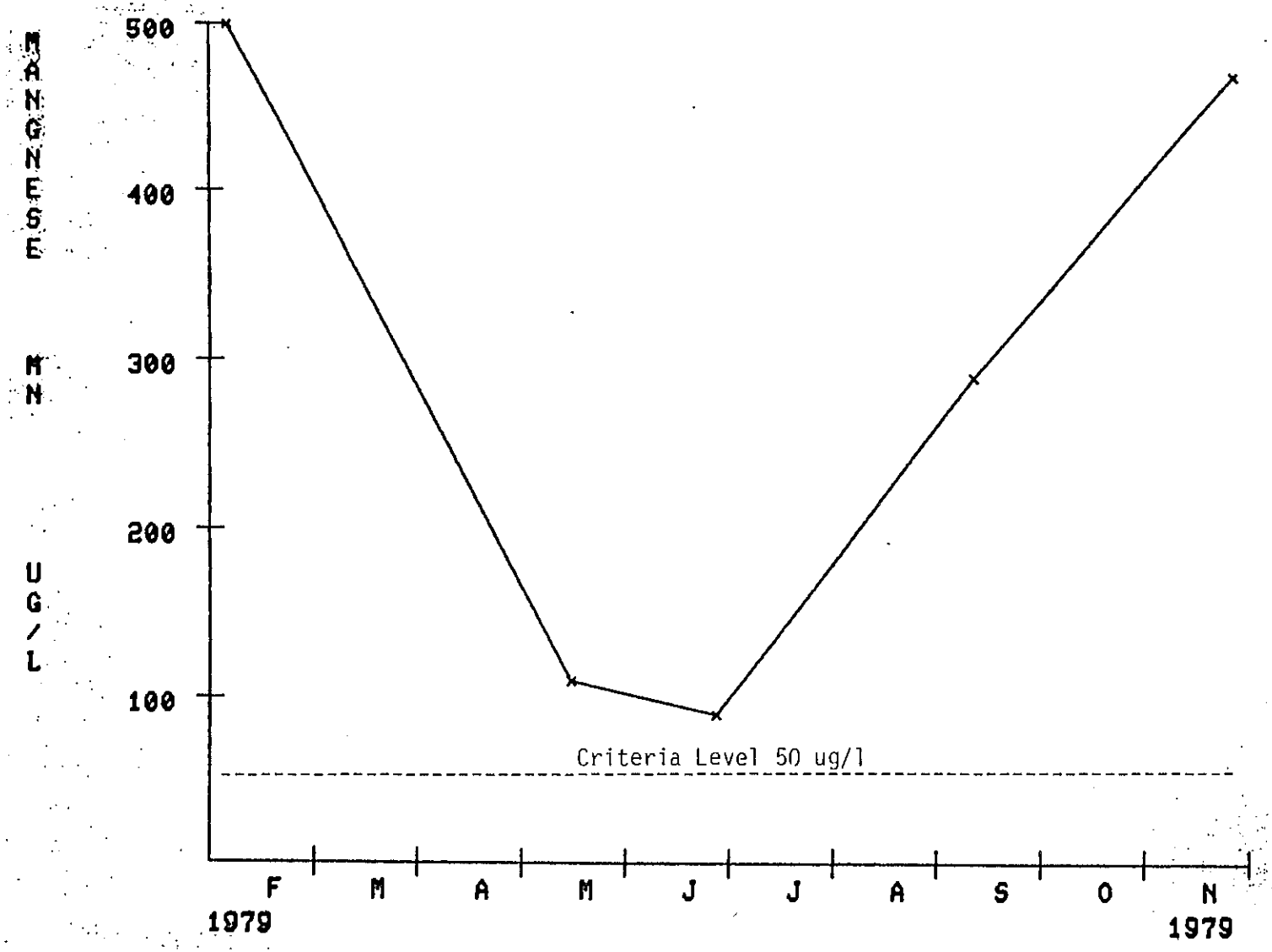

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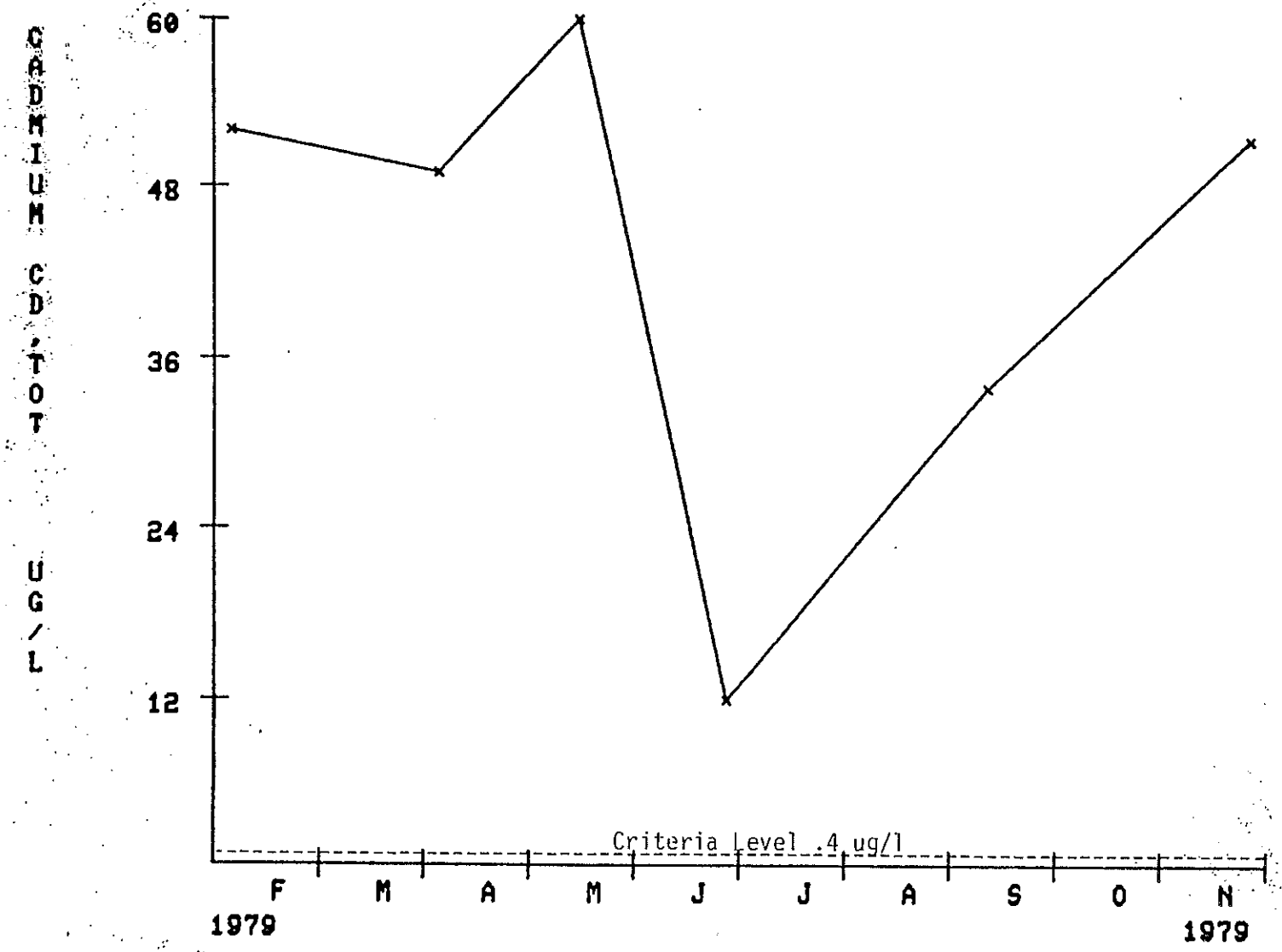

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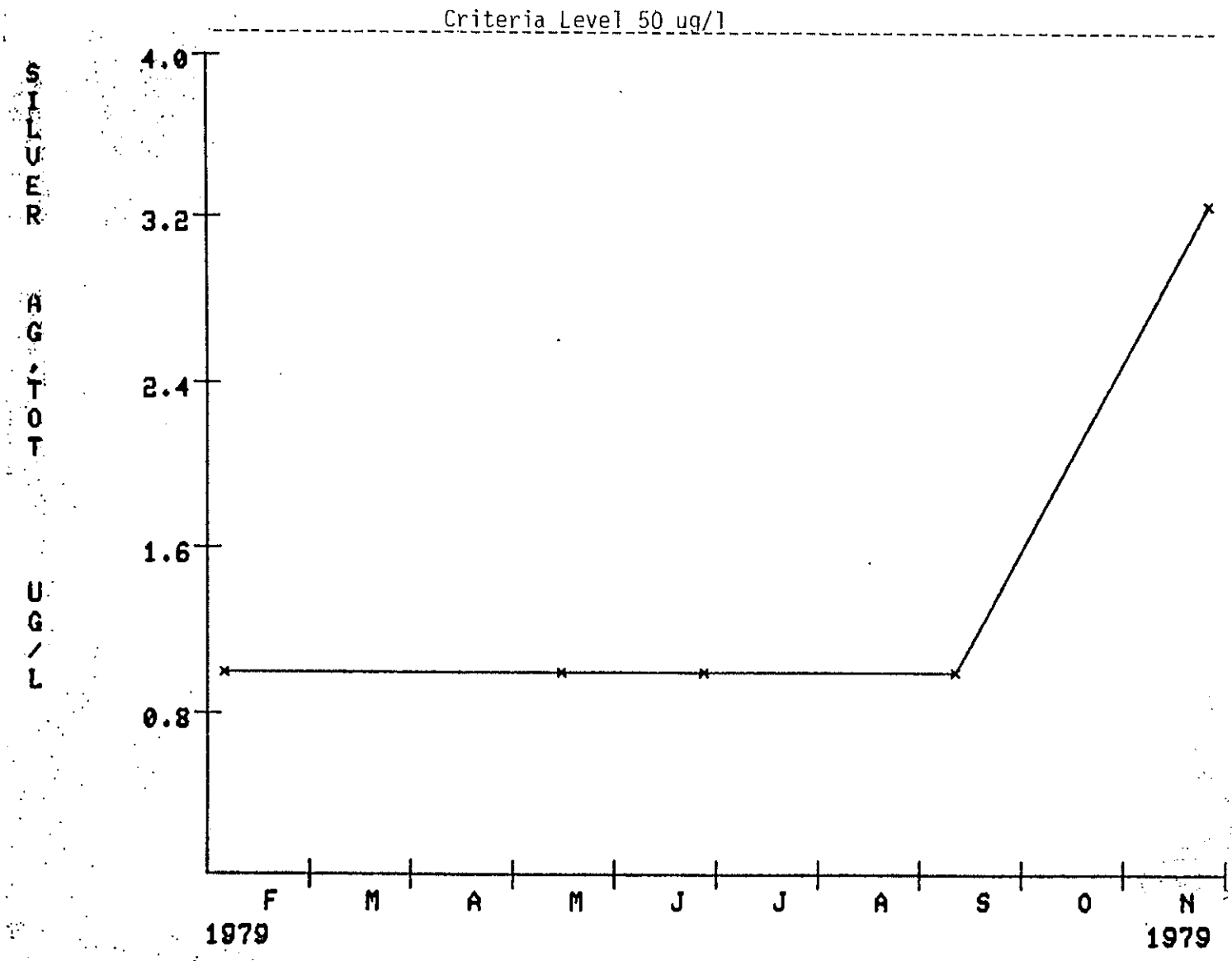

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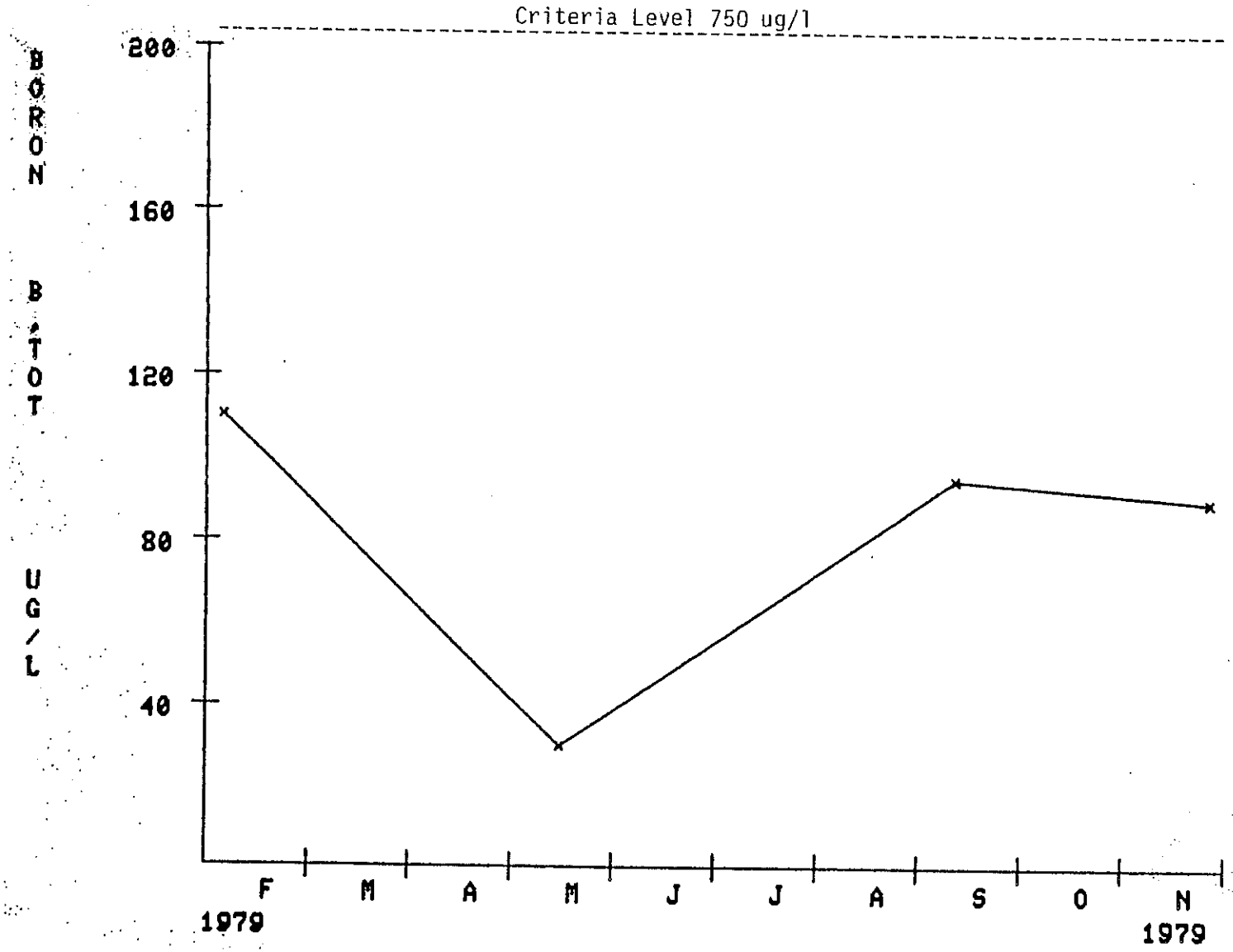

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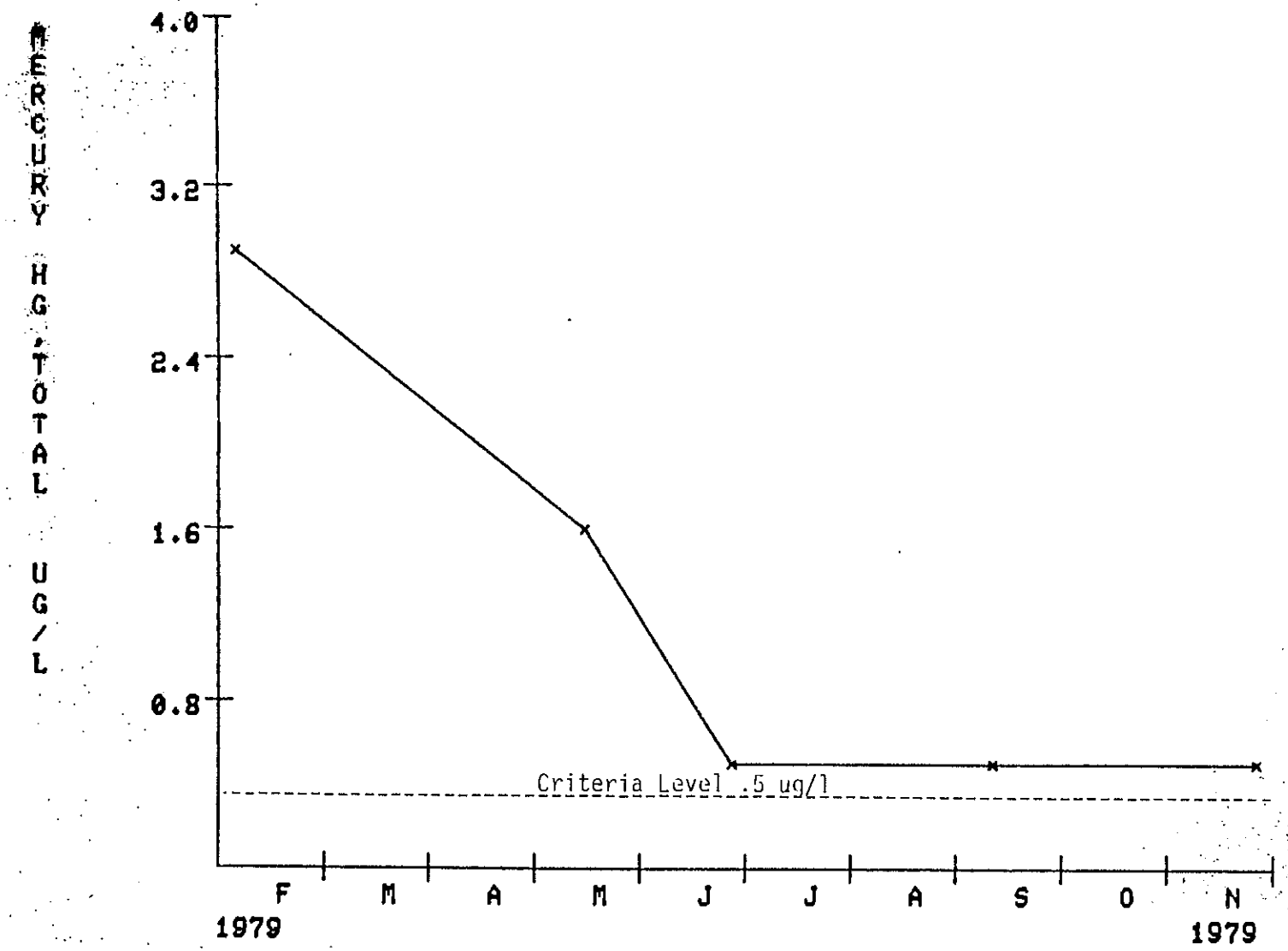

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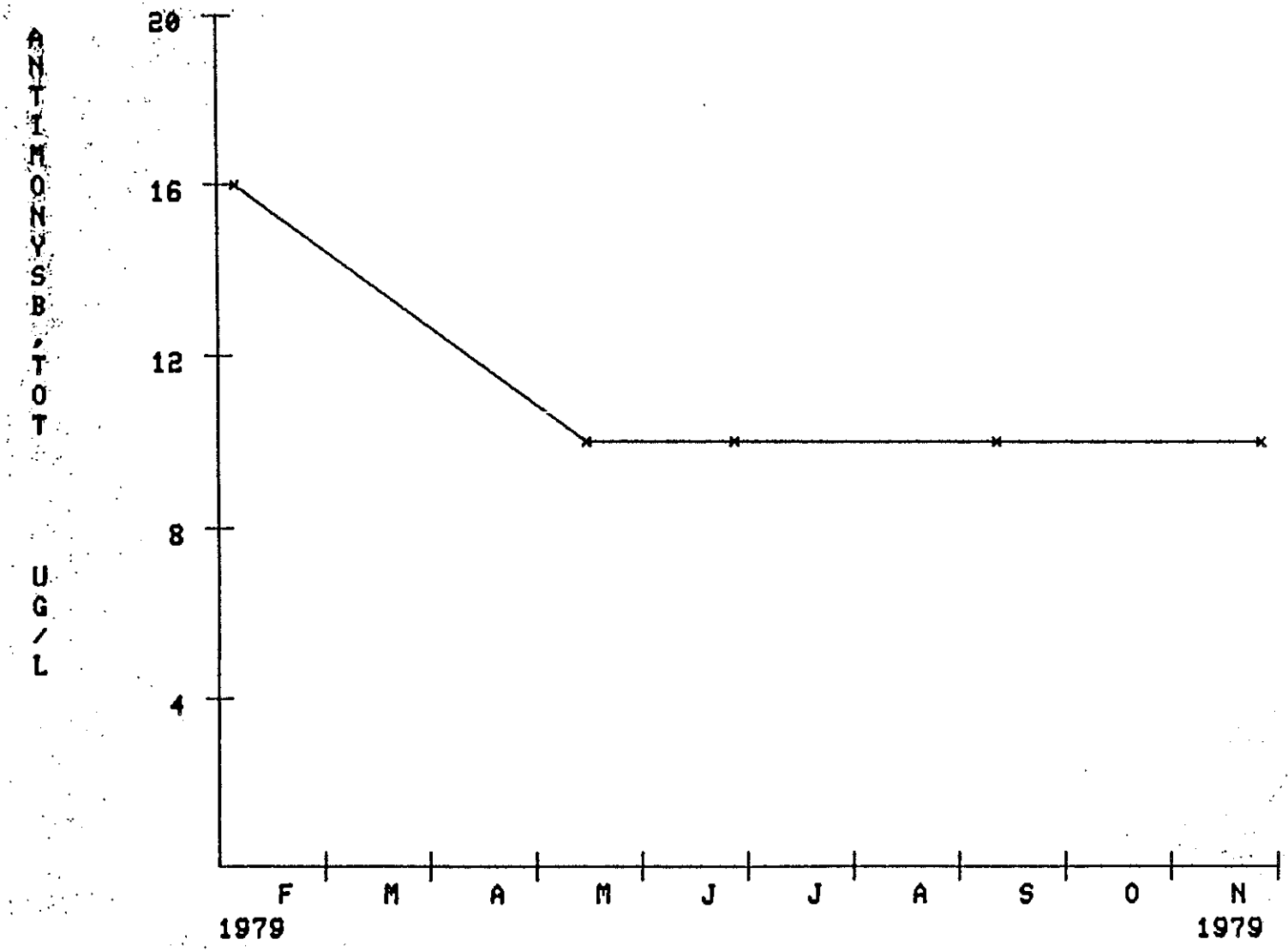
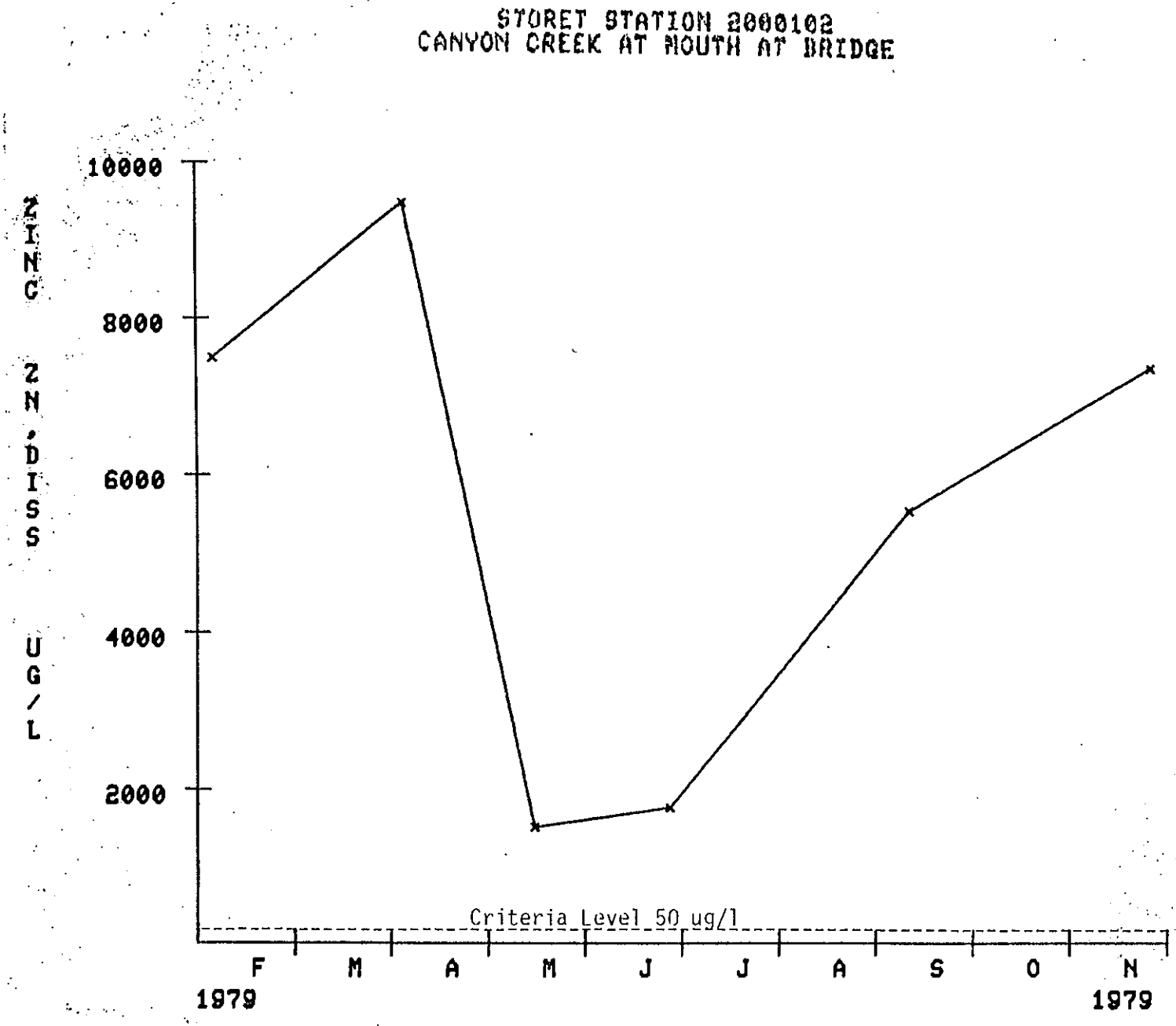
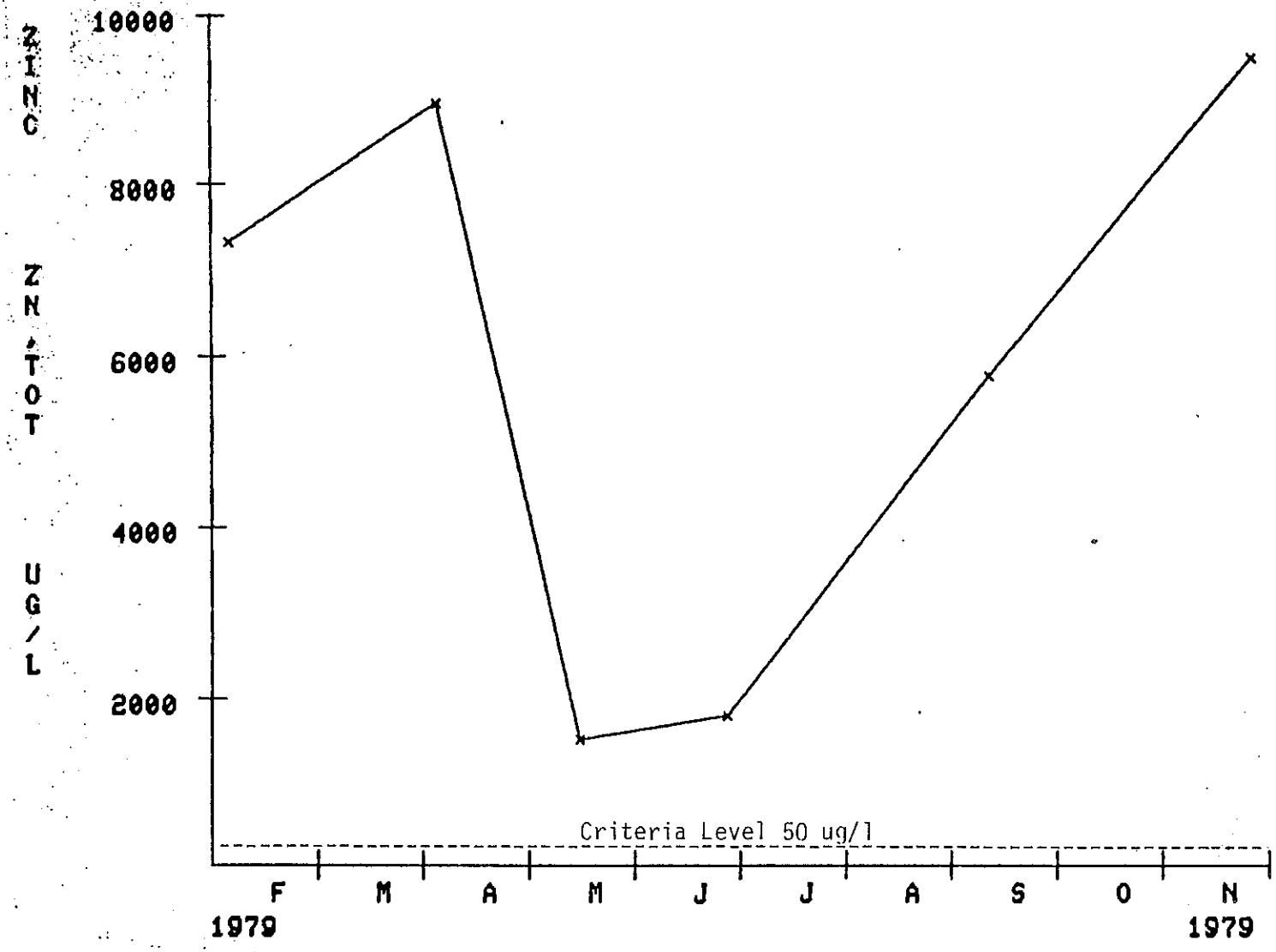



STORET STATION 2000102
CANYON CREEK AT MOUTH AT BRIDGE
ZINC ZN,DISS UG/L
10000
8000
6000
4000
2000
Criteria Level 50 ug/l
F
M
A
M
J
J
A
S
O
N
1979
1979

STORET STATION 2000102
CANYON CREEK AT MOUTH AT BRIDGE



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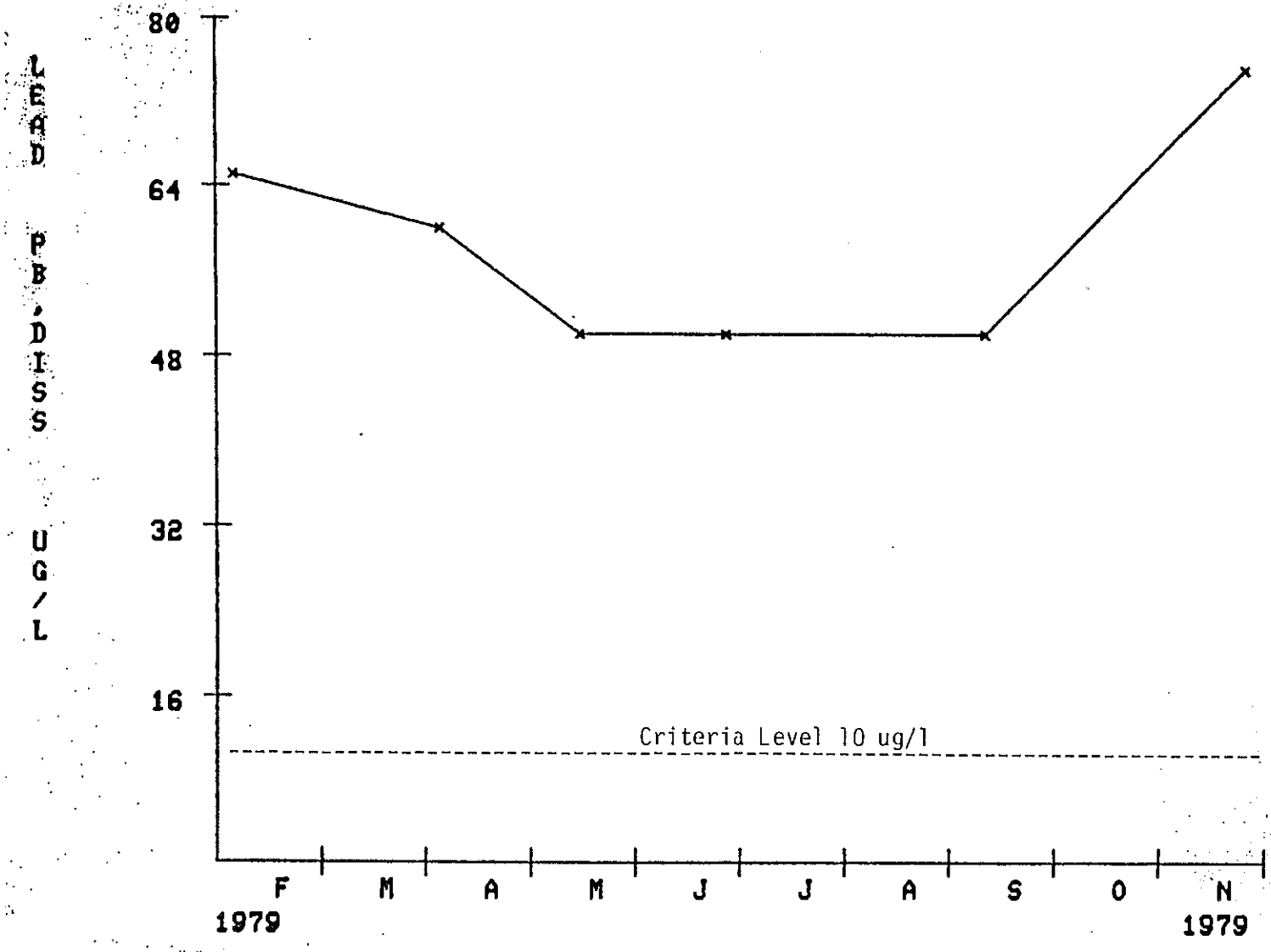
CANYON CREEK AT MOUTH AT BRIDGE



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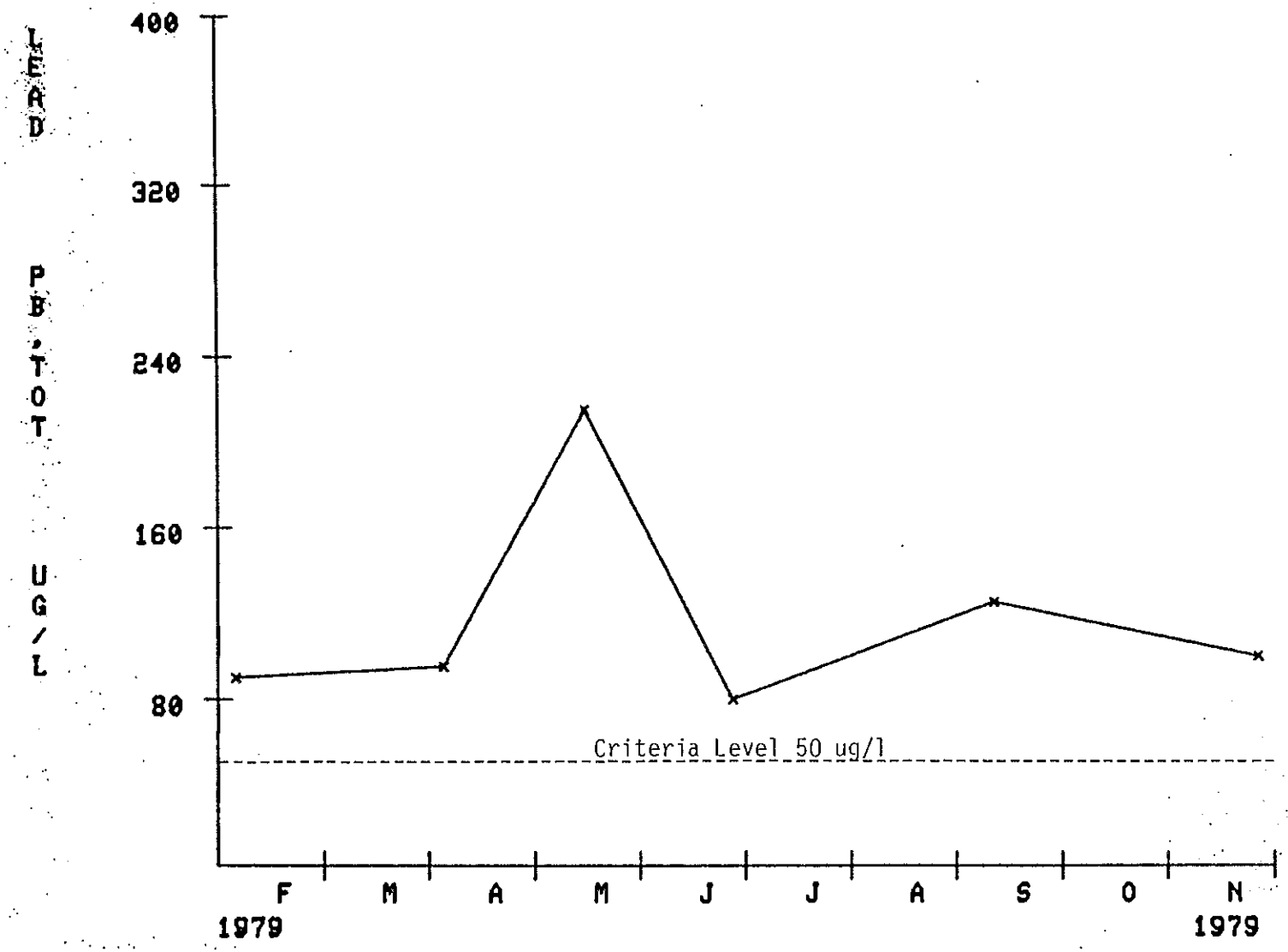

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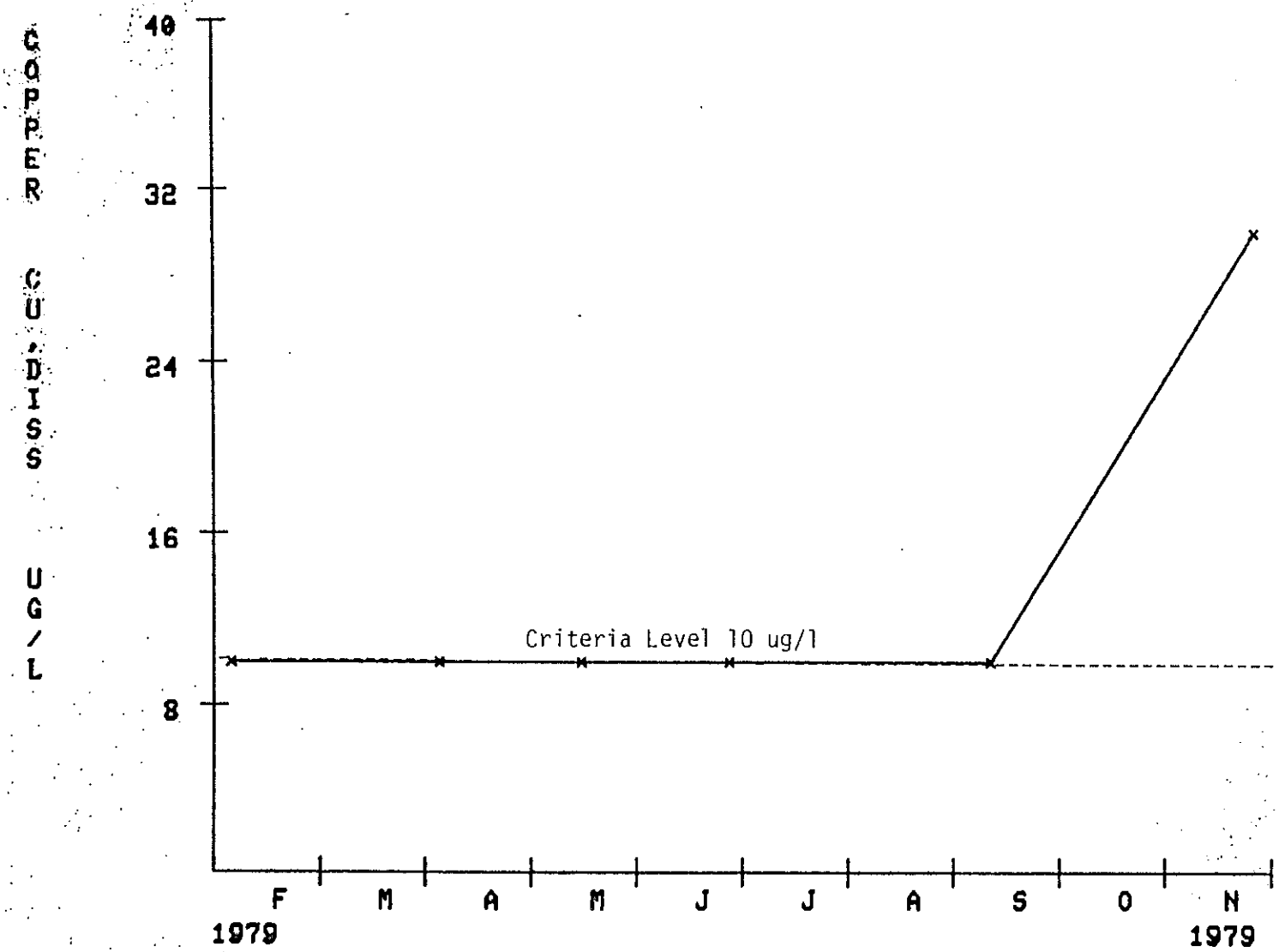

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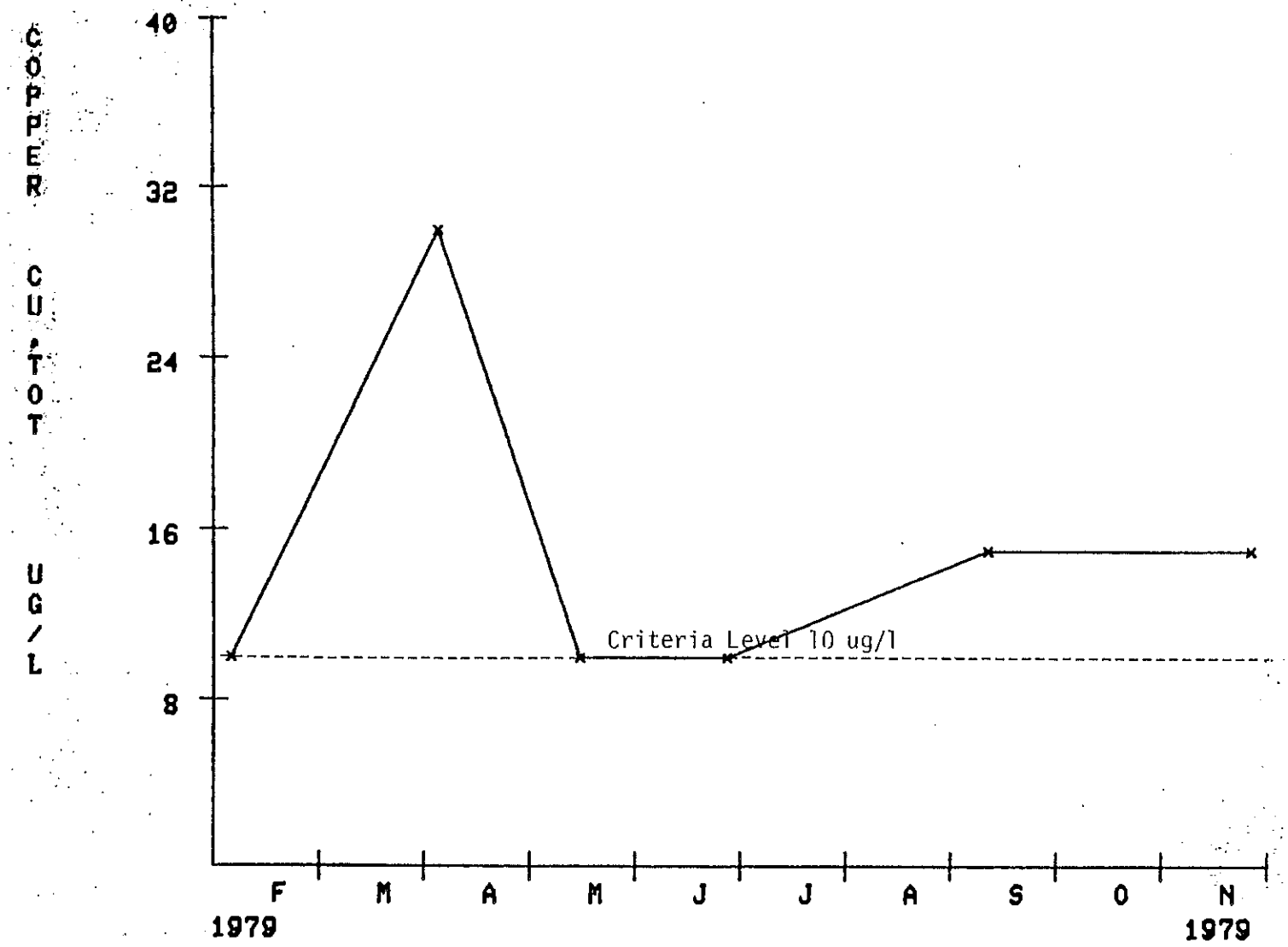
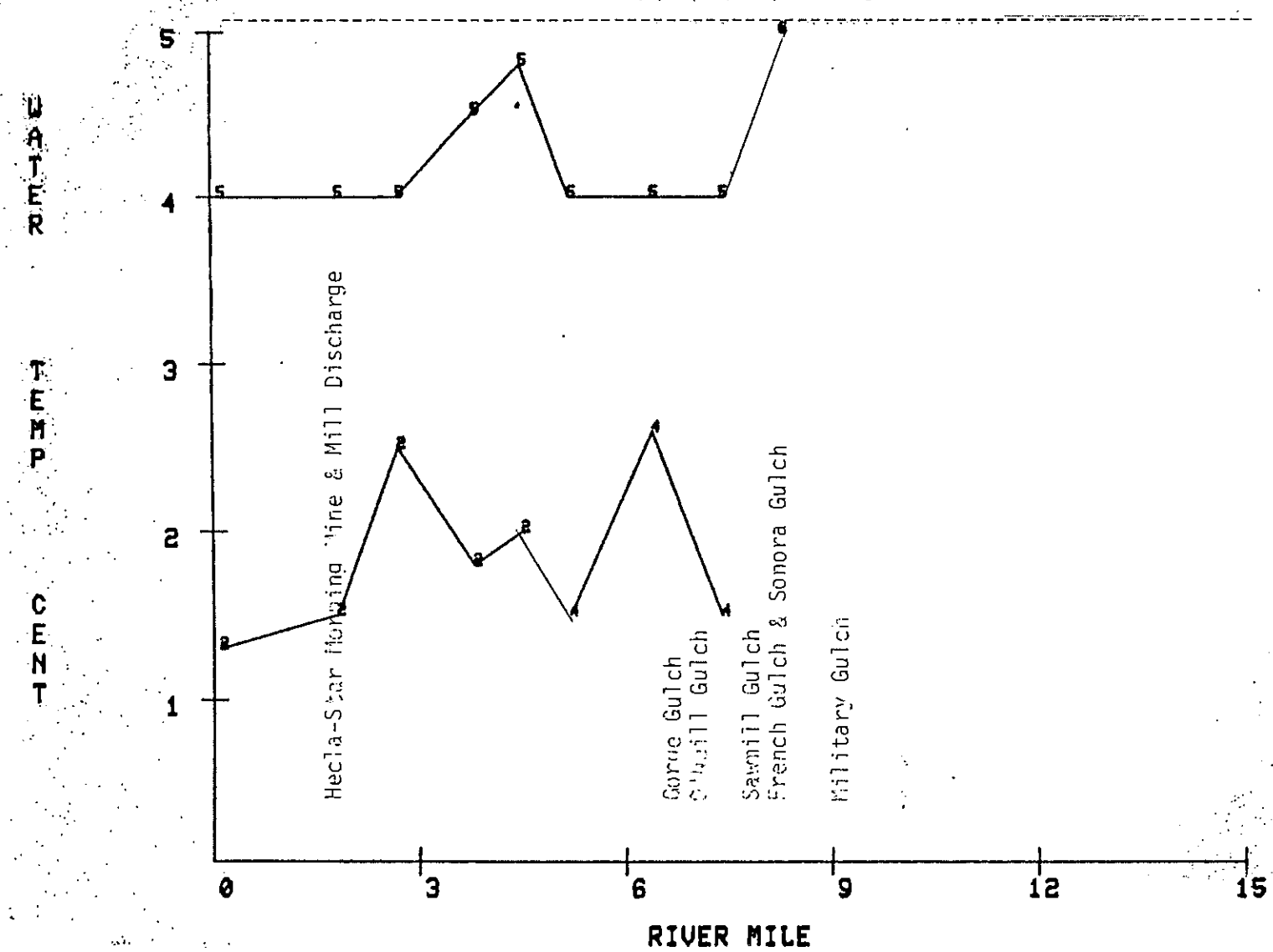


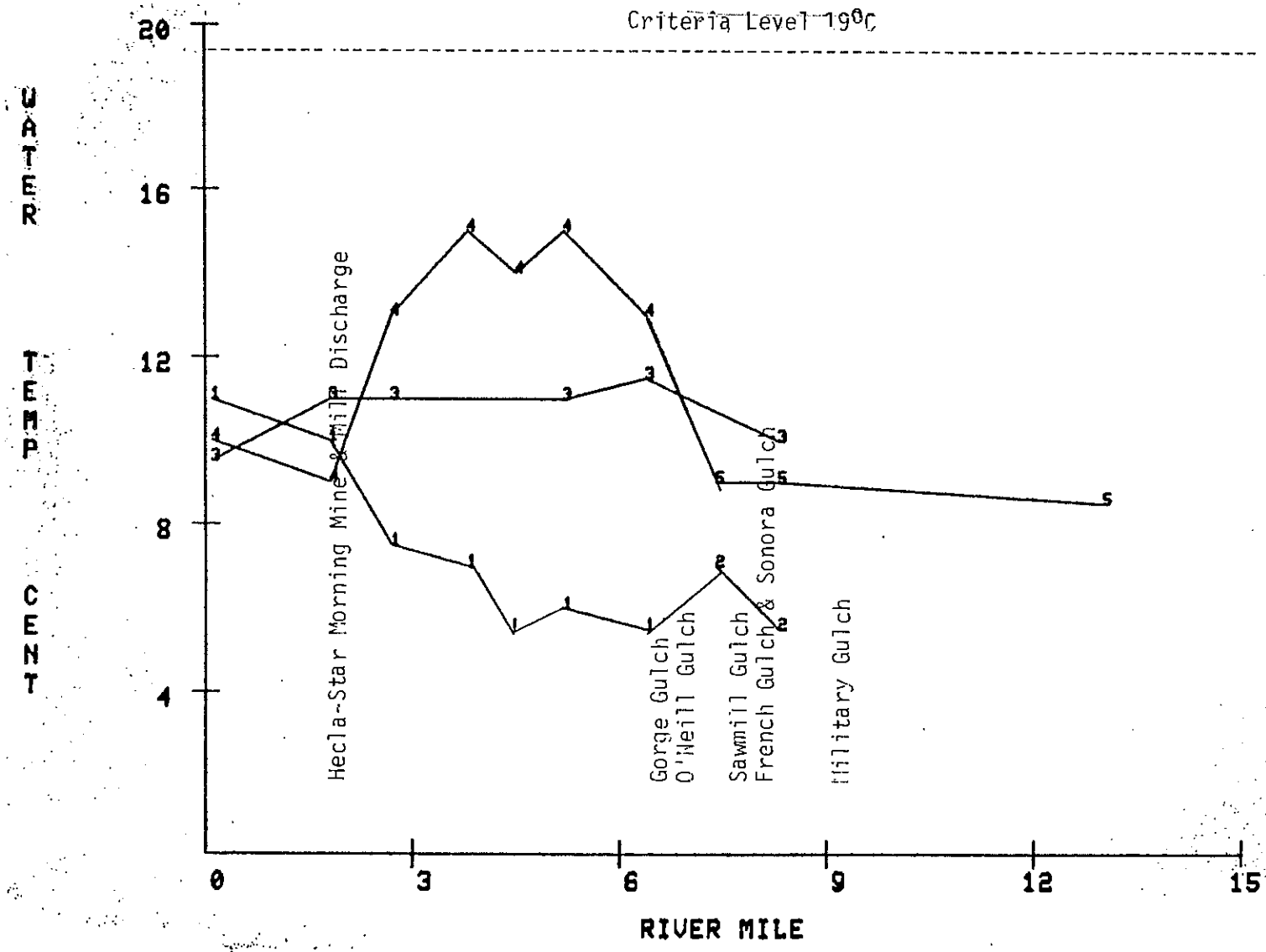
CANYON CREEK
INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

1 : 02-04-79 2 : 02-05-79 3 : 02-06-79
4 : 02-08-79 5 : 04-04-79 6 : 04-05-79

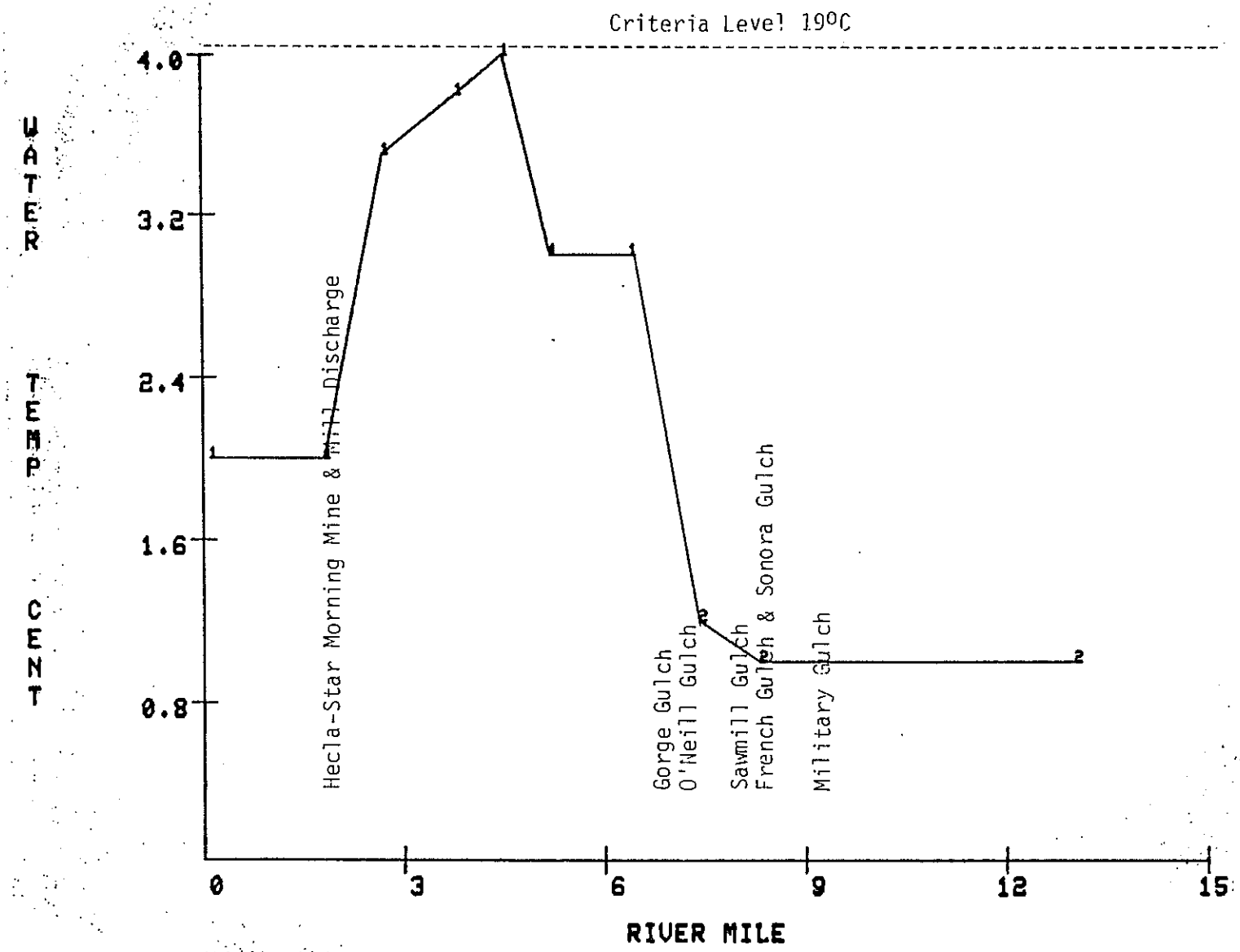
Criteria Level 19°C



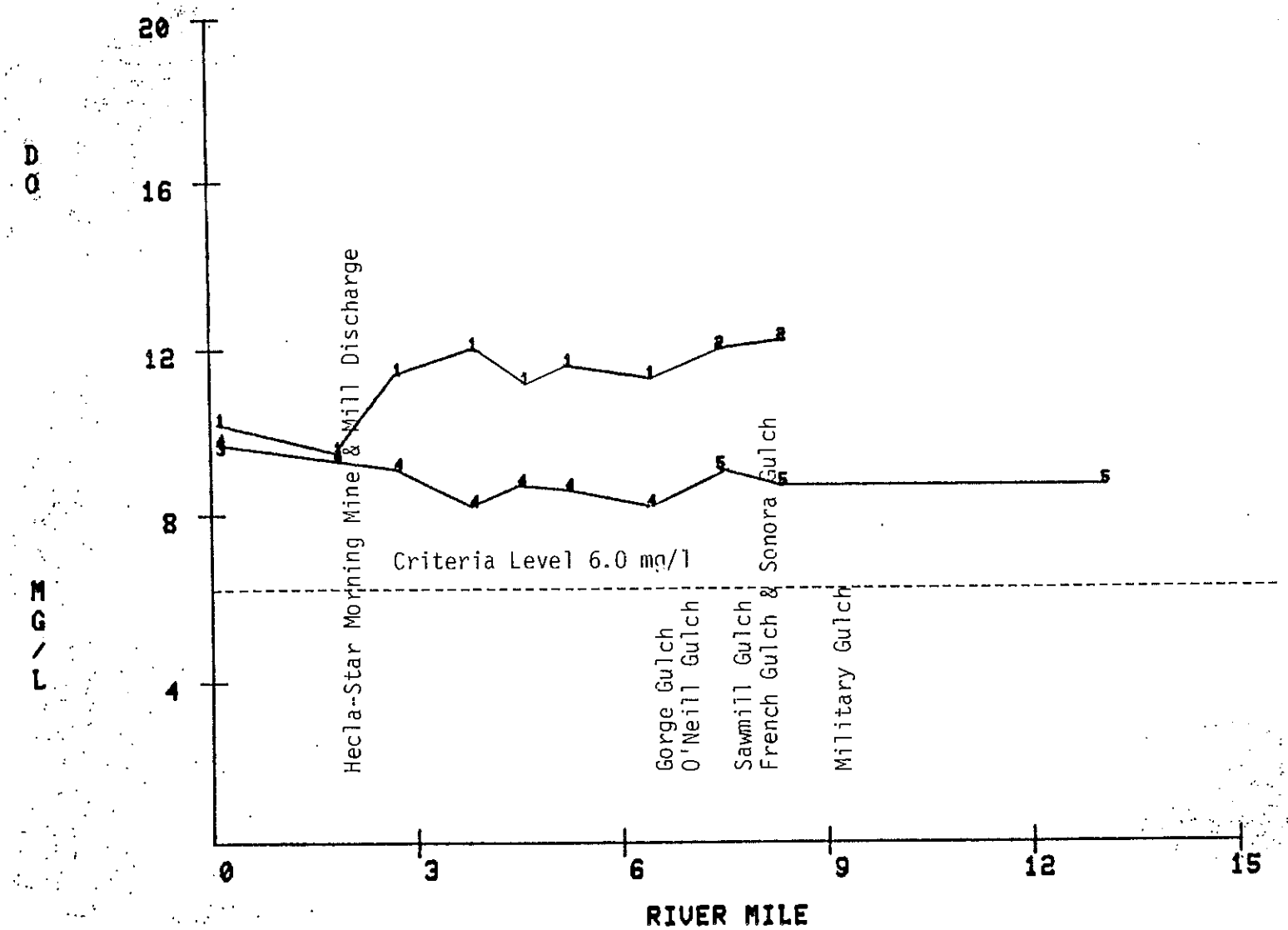
CANYON CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
1 : 05-15-79 2 : 05-16-79 3 : 06-28-79
4 : 09-11-79 5 : 09-12-79



CANYON CREEK
INTENSIVE SURVEY DATA FOR 2 DAYS OF MONITORING
1 : 11-27-79 2 : 11-28-79

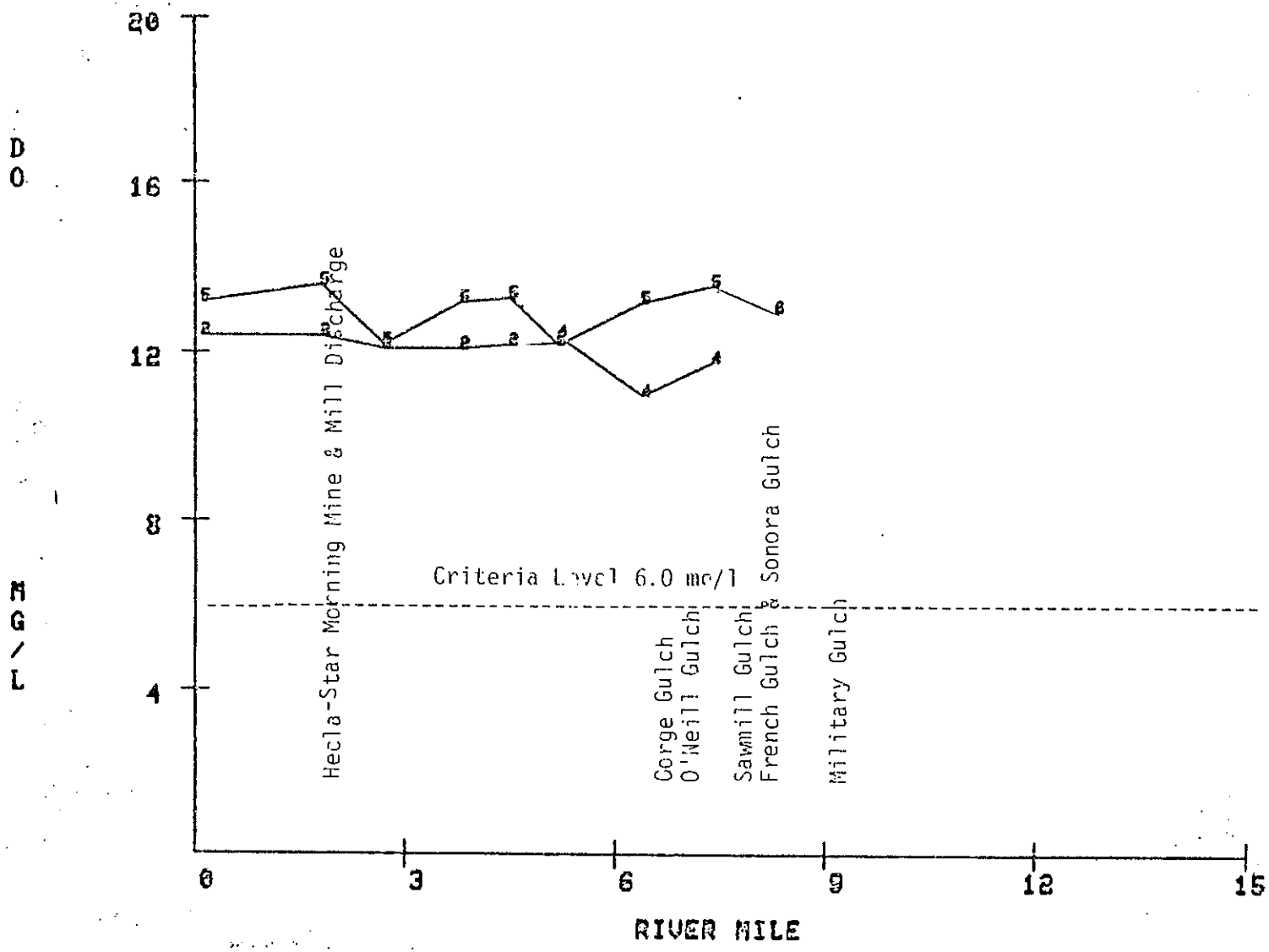


CANYON CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
1 : 05-15-79 2 : 05-16-79 3 : 06-28-79
4 : 09-11-79 5 : 09-12-79

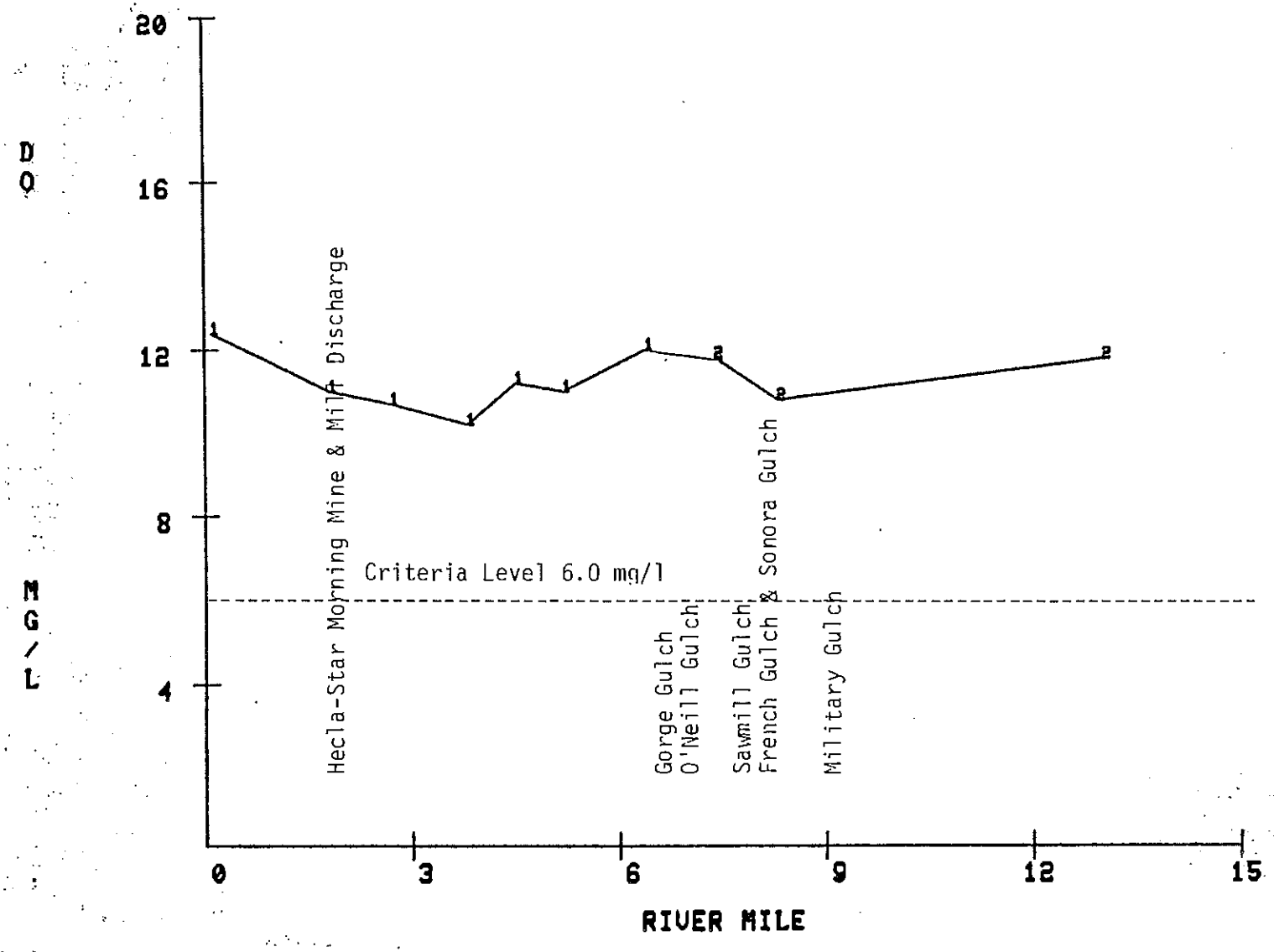


CANYON CREEK
INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

1 : 02-04-79 2 : 02-05-79 3 : 02-06-79
4 : 03-08-79 5 : 04-04-79 6 : 04-05-79

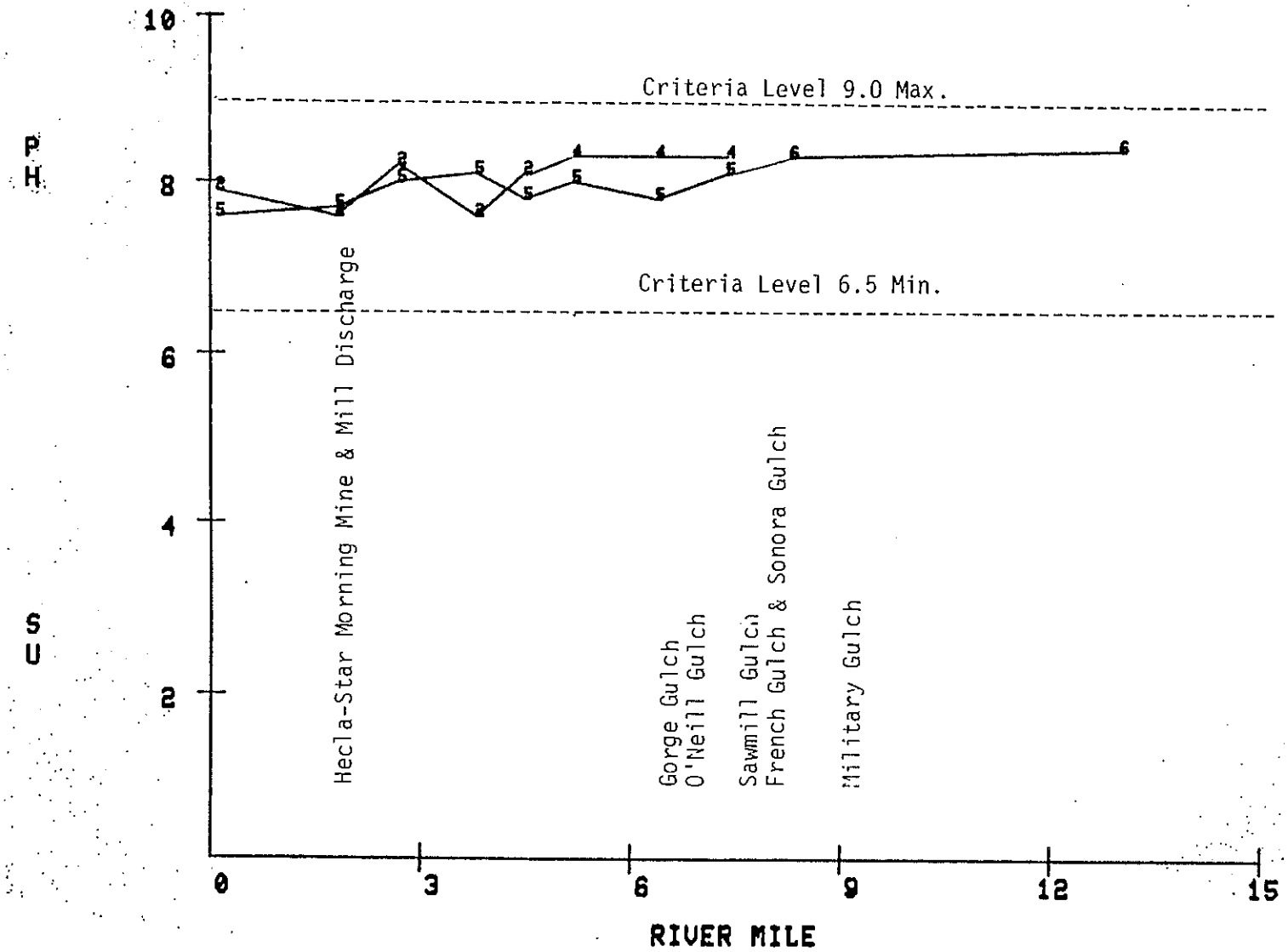


CANYON CREEK
INTENSIVE SURVEY DATA FOR 2 DAYS OF MONITORING
1 : 11-27-79 2 : 11-28-79

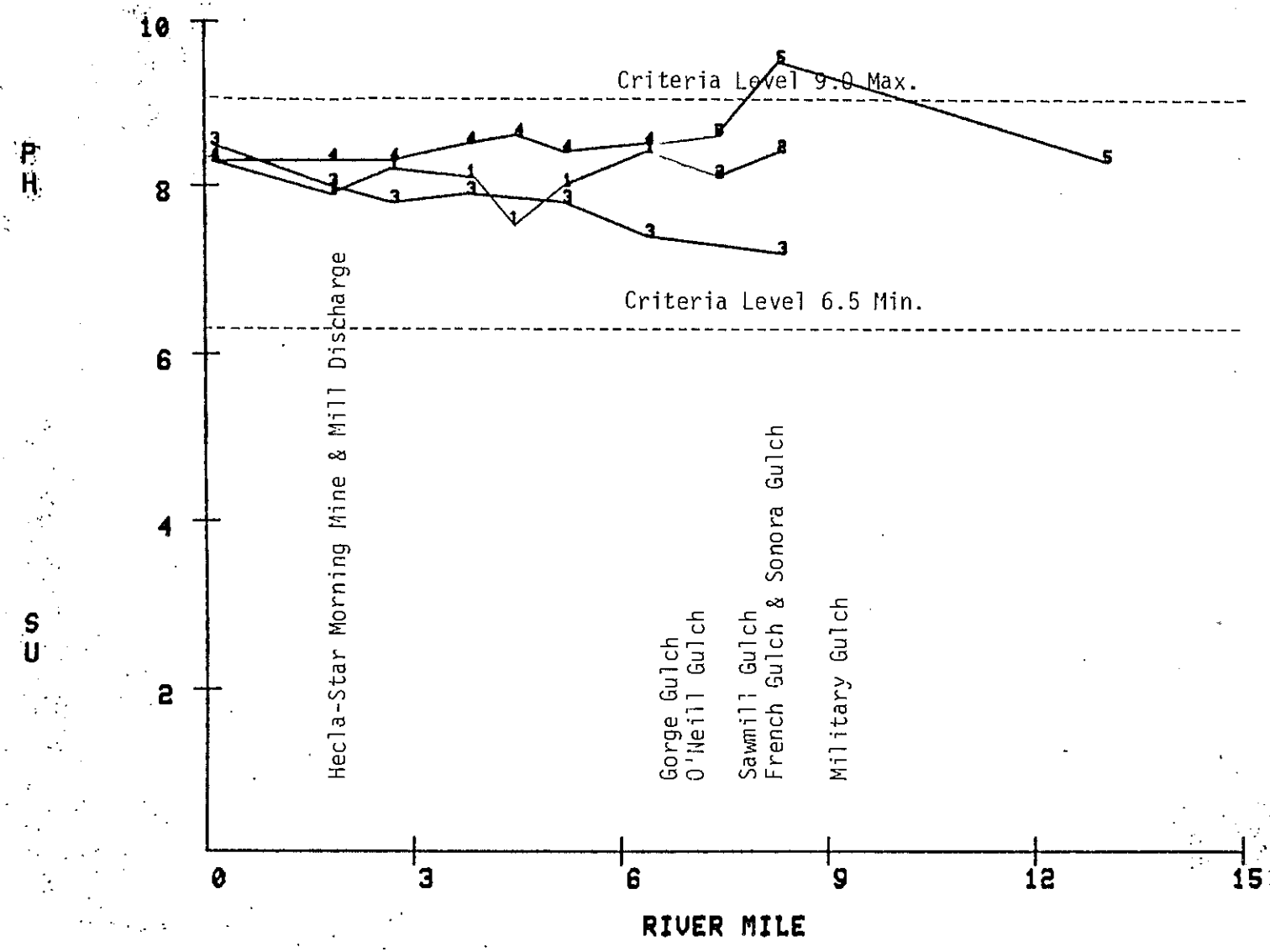


CANYON CREEK
INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

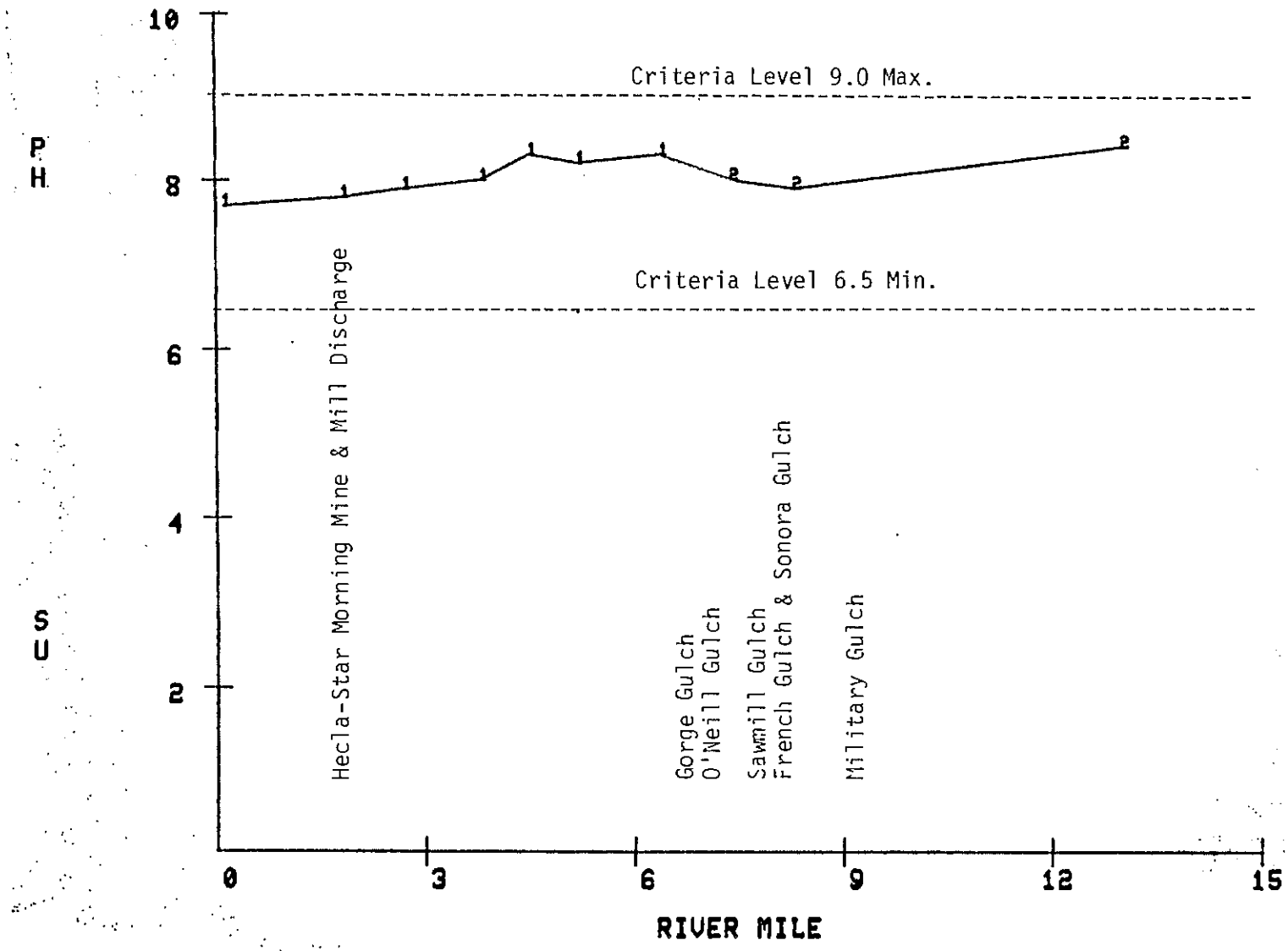
1 : 02-04-79 2 : 02-05-79 3 : 02-06-79
4 : 02-08-79 5 : 04-04-79 6 : 04-05-79



CANYON CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
1 : 05-15-79 2 : 05-16-79 3 : 06-28-79
4 : 09-11-79 5 : 09-12-79

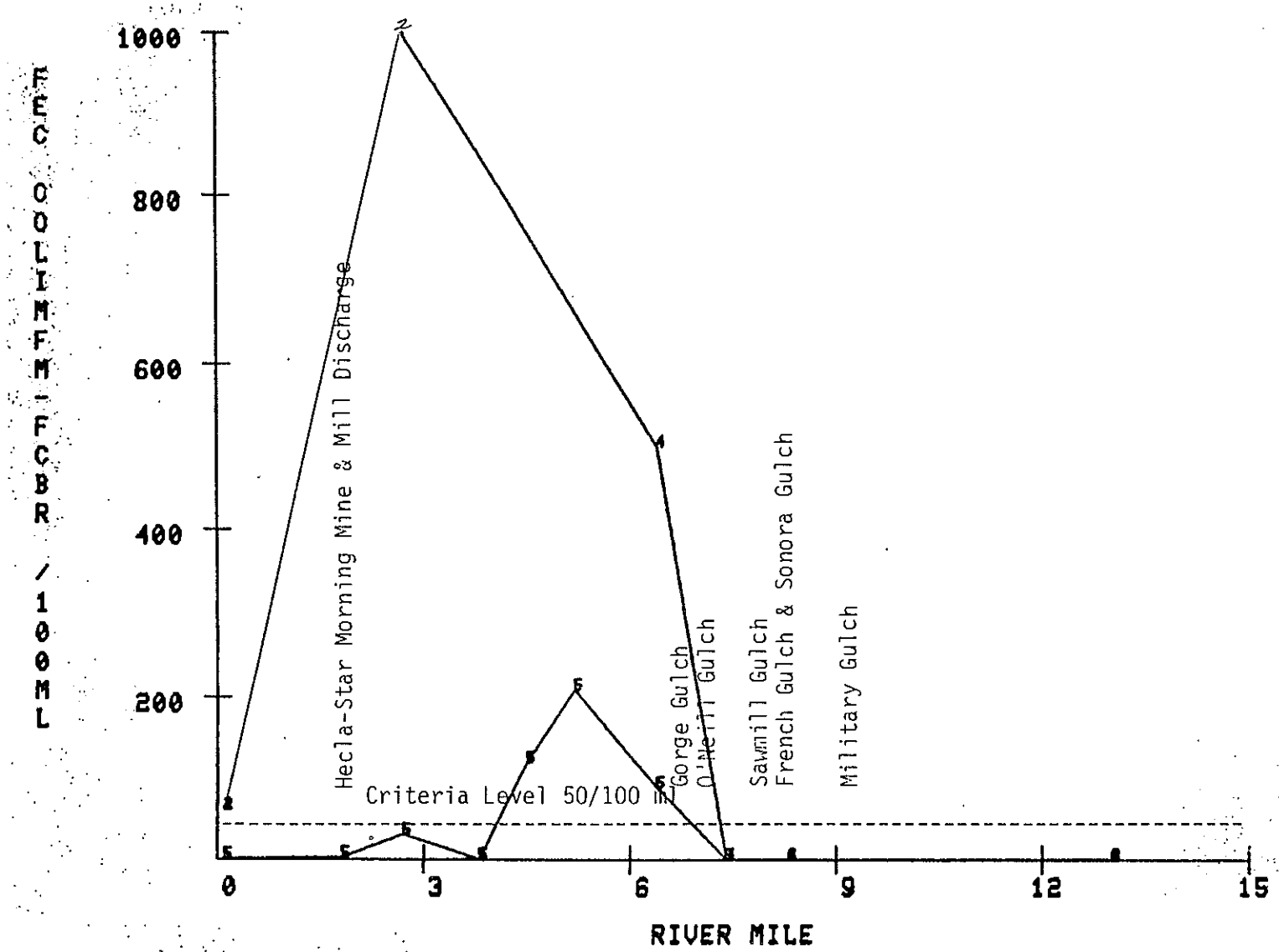


CANYON CREEK
INTENSIVE SURVEY DATA FOR 2 DAYS OF MONITORING
1 : 11-27-79 2 : 11-28-79

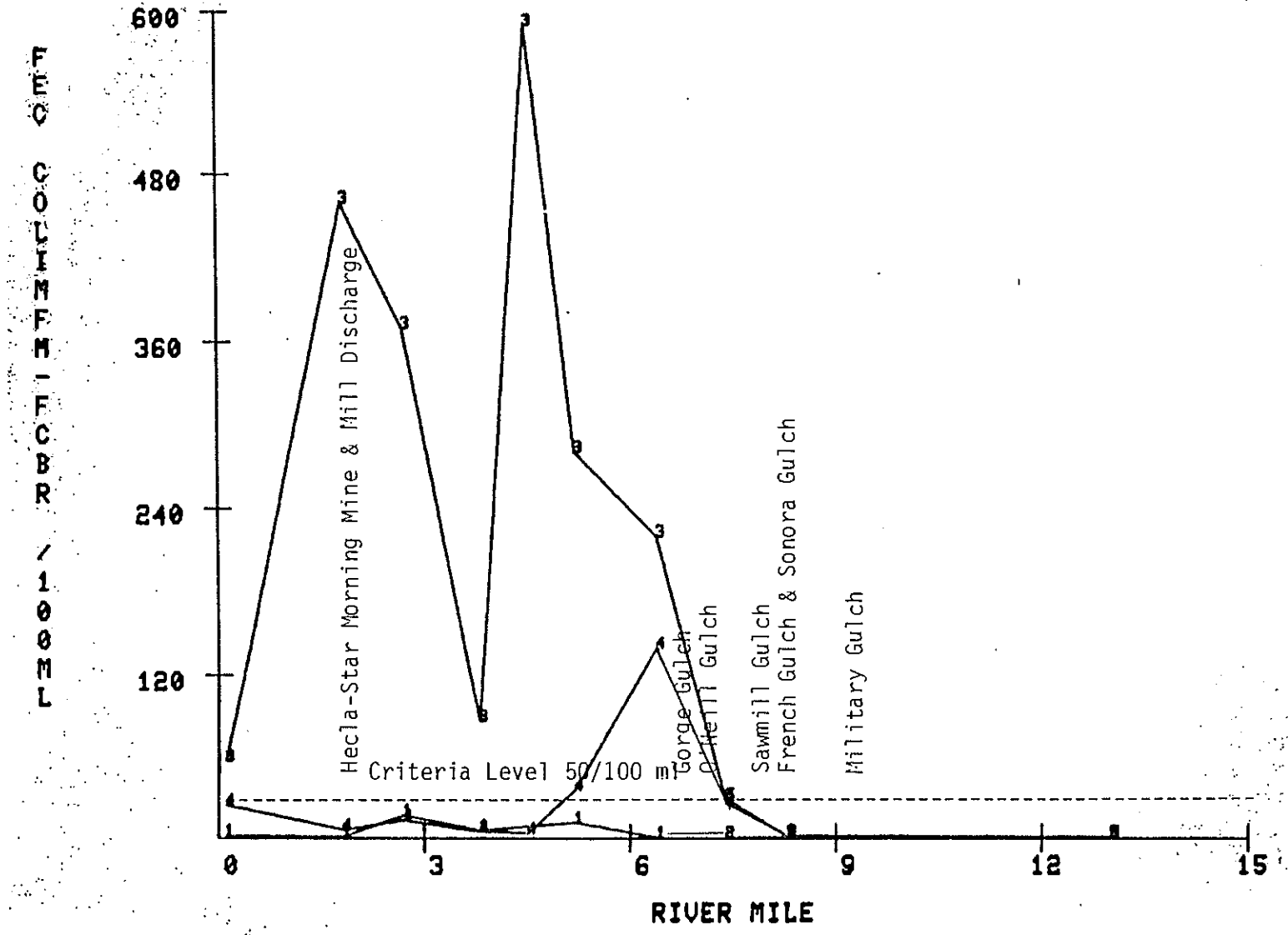


CANYON CREEK
INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

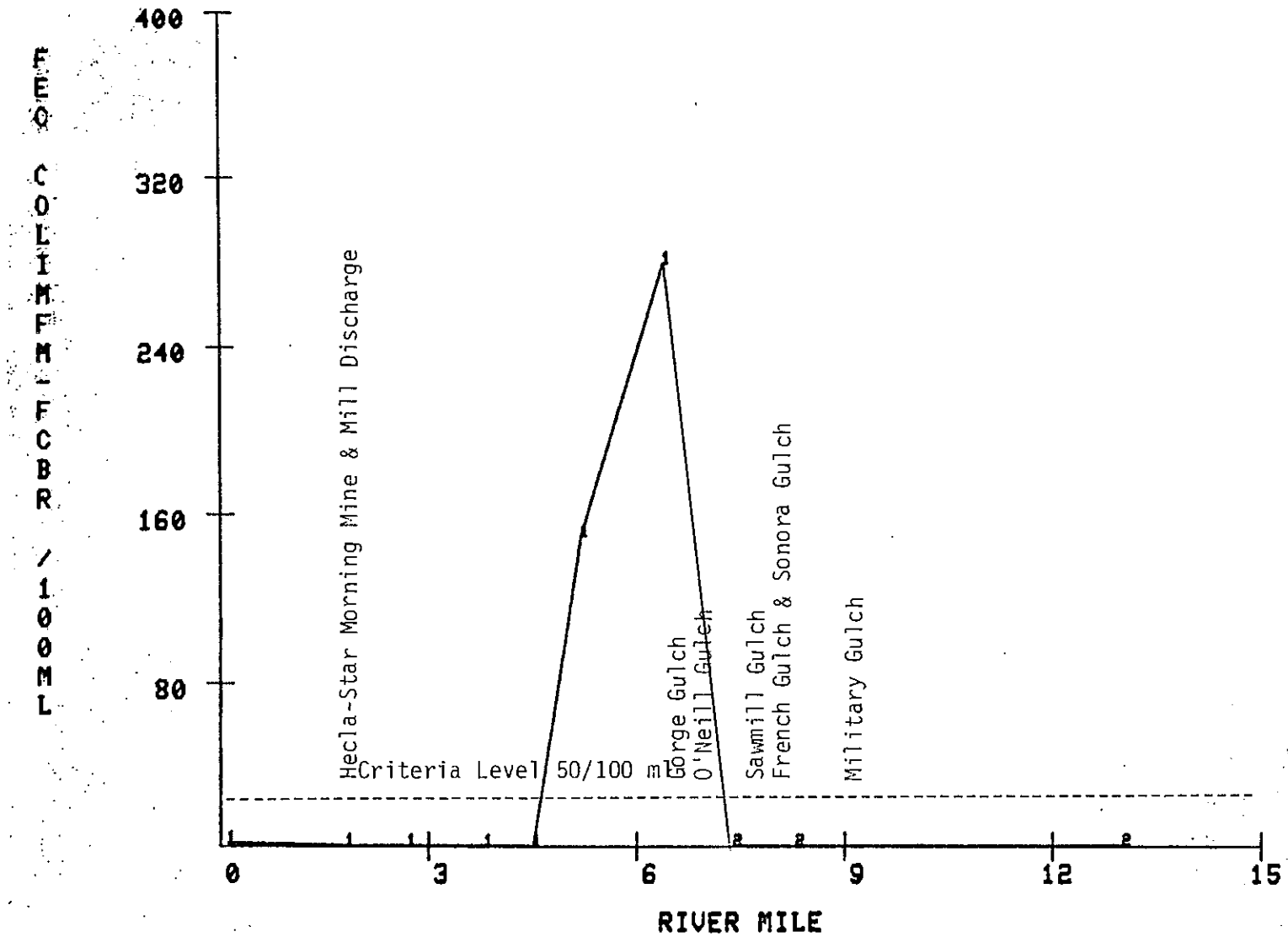
1 : 02-04-79 2 : 02-05-79 3 : 02-06-79
4 : 02-08-79 5 : 04-04-79 6 : 04-05-79



CANYON CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
1 : 05-15-79 2 : 05-16-79 3 : 06-28-79
4 : 09-11-79 5 : 09-12-79



CANYON CREEK
INTENSIVE SURVEY DATA FOR 2 DAYS OF MONITORING
1 : 11-27-79 2 : 11-28-79



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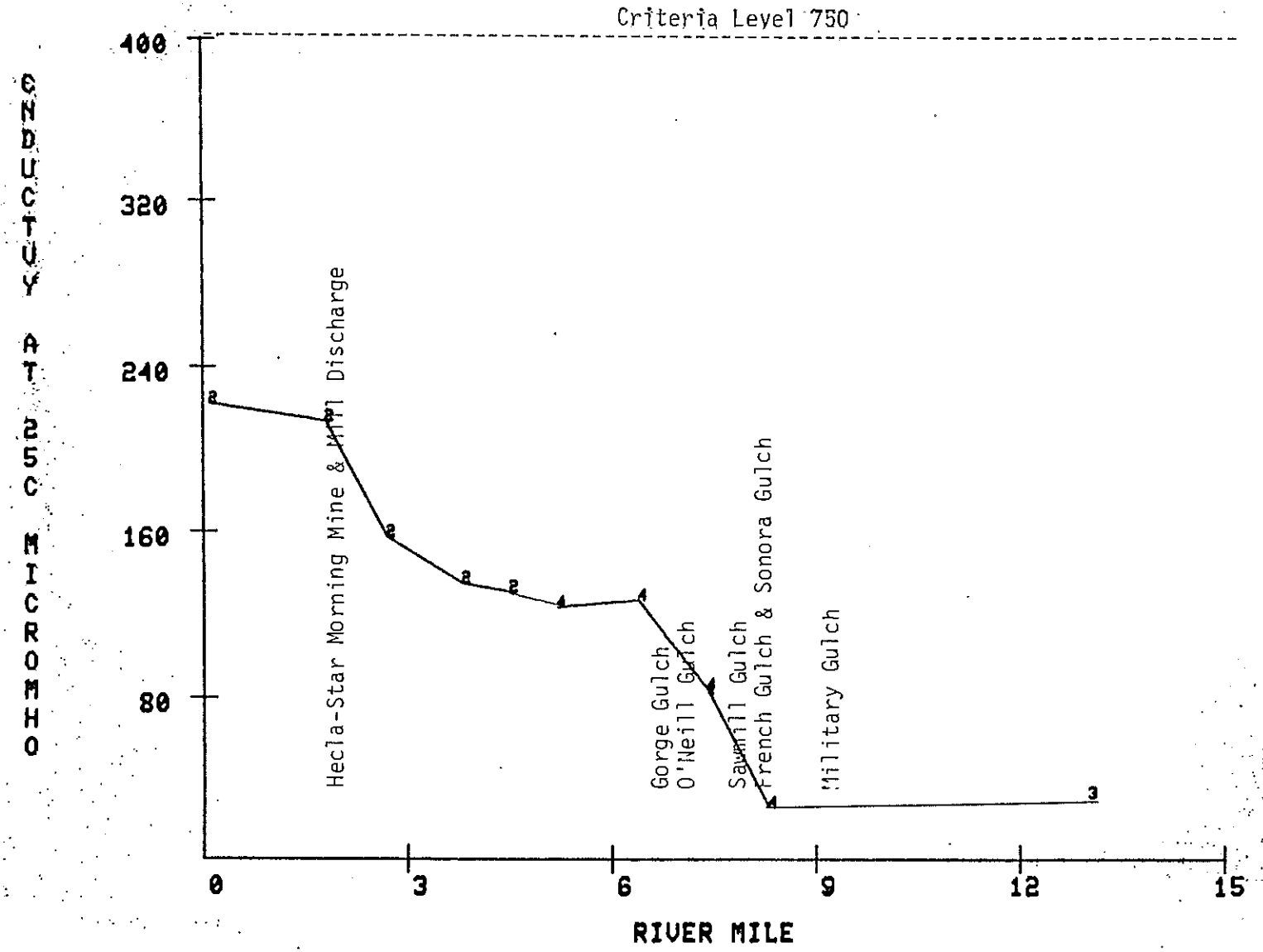
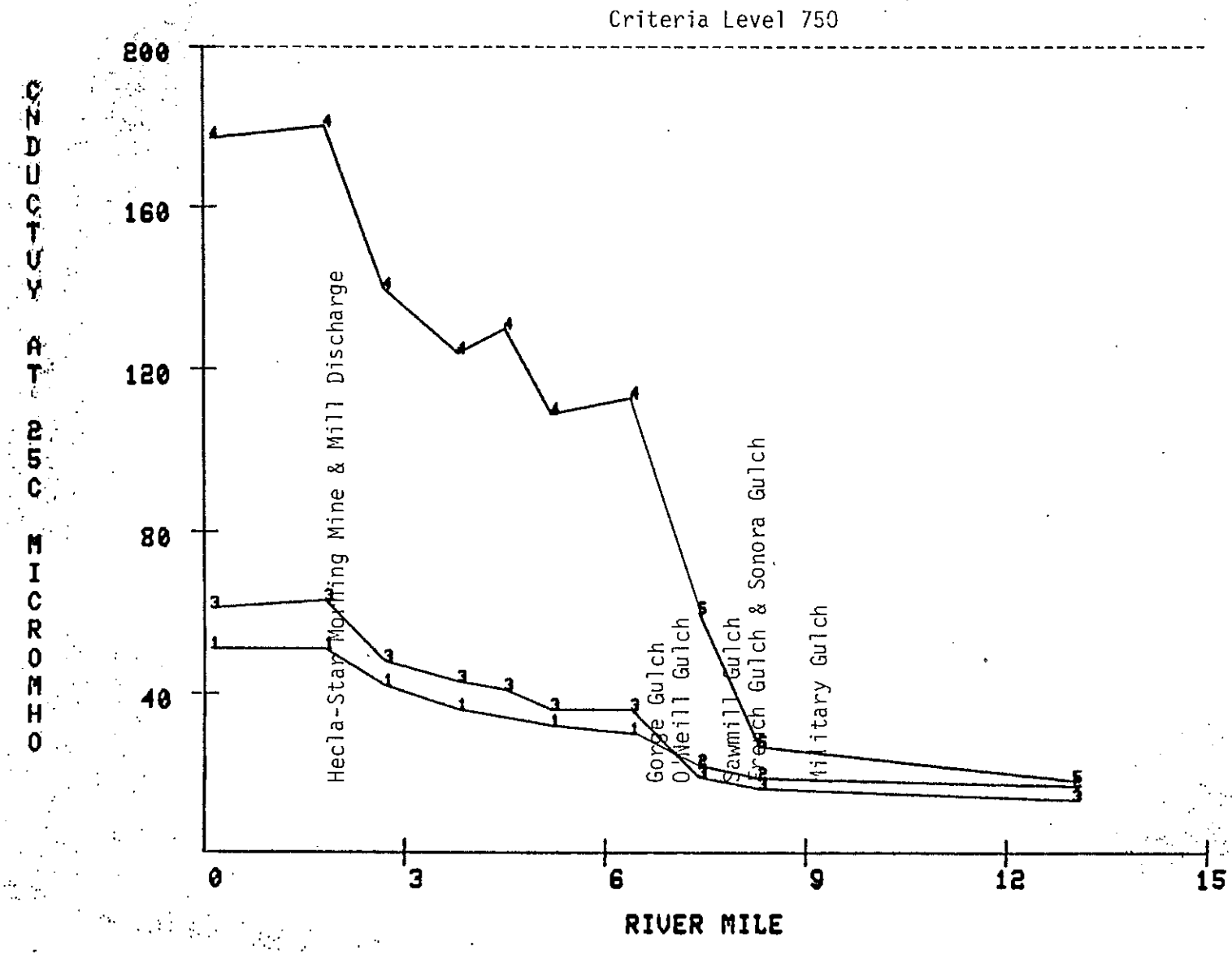
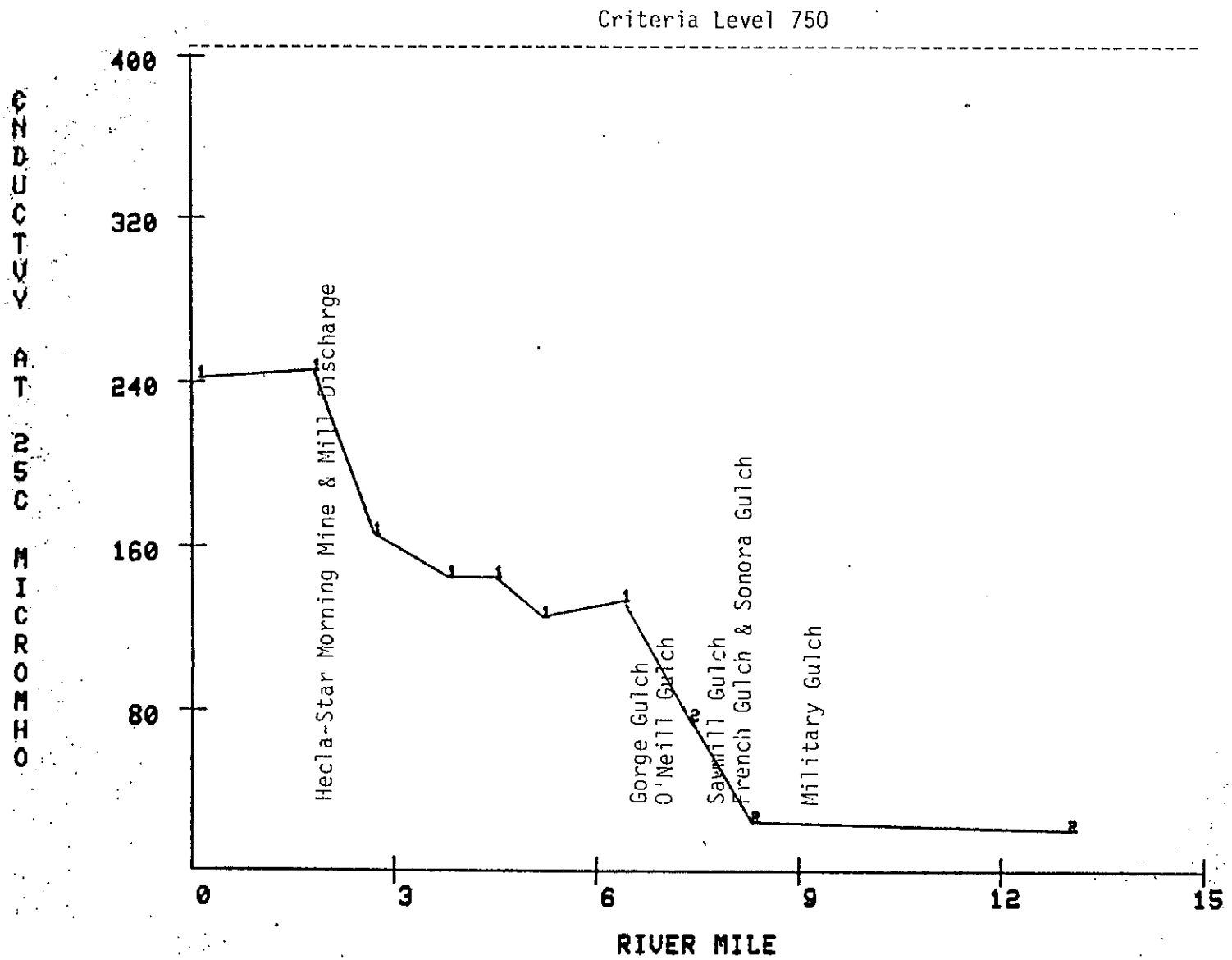
1 : 02-04-79 2 : 02-05-79 3 : 02-06-79
4 : 02-08-79 5 : 04-04-79 6 : 04-05-79



CANYON CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
1 : 05-15-79 2 : 05-16-79 3 : 06-28-79
4 : 09-11-79 5 : 09-12-79

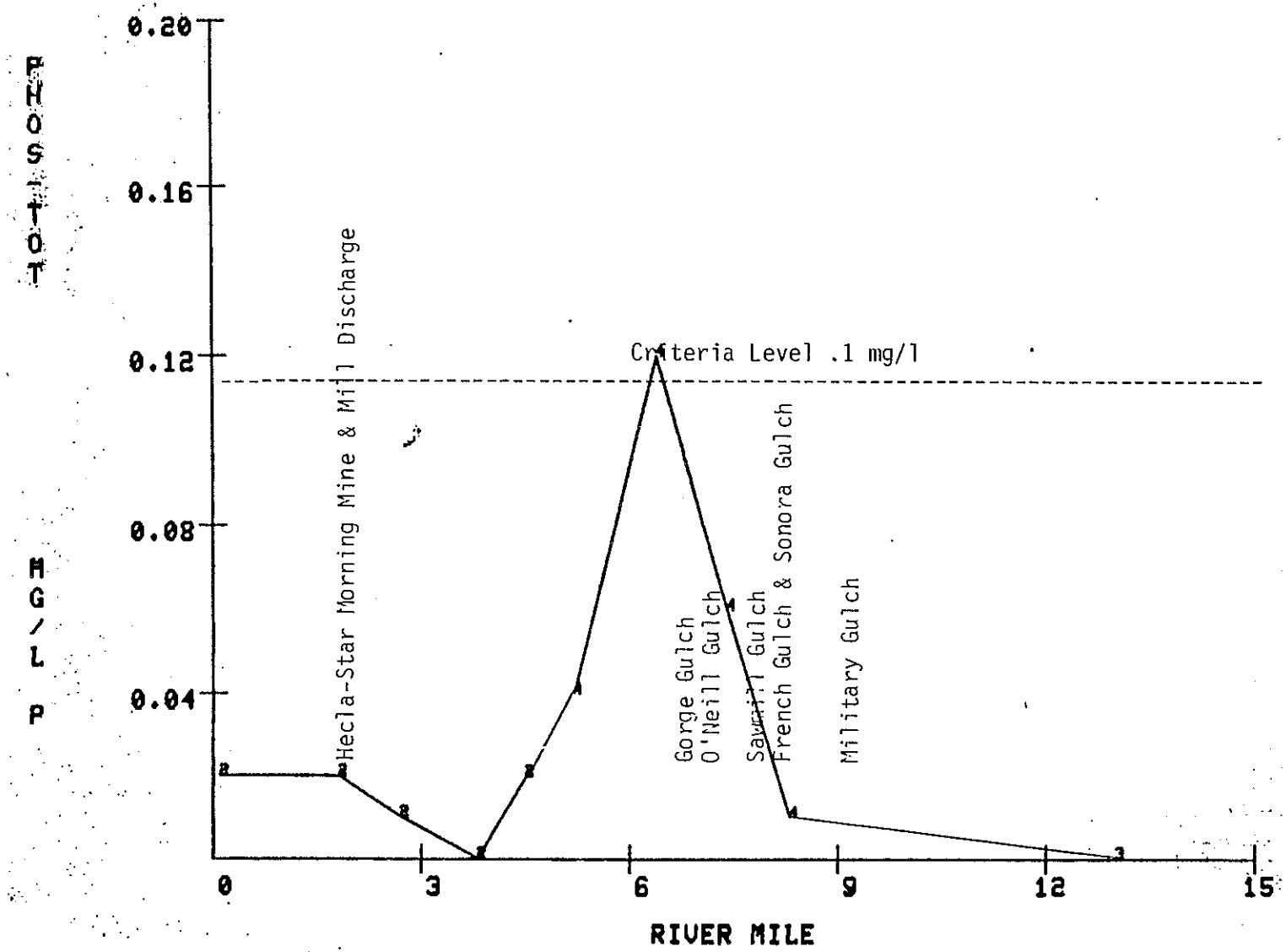


CANYON CREEK
INTENSIVE SURVEY DATA FOR 2 DAYS OF MONITORING
1 : 11-27-79 2 : 11-28-79

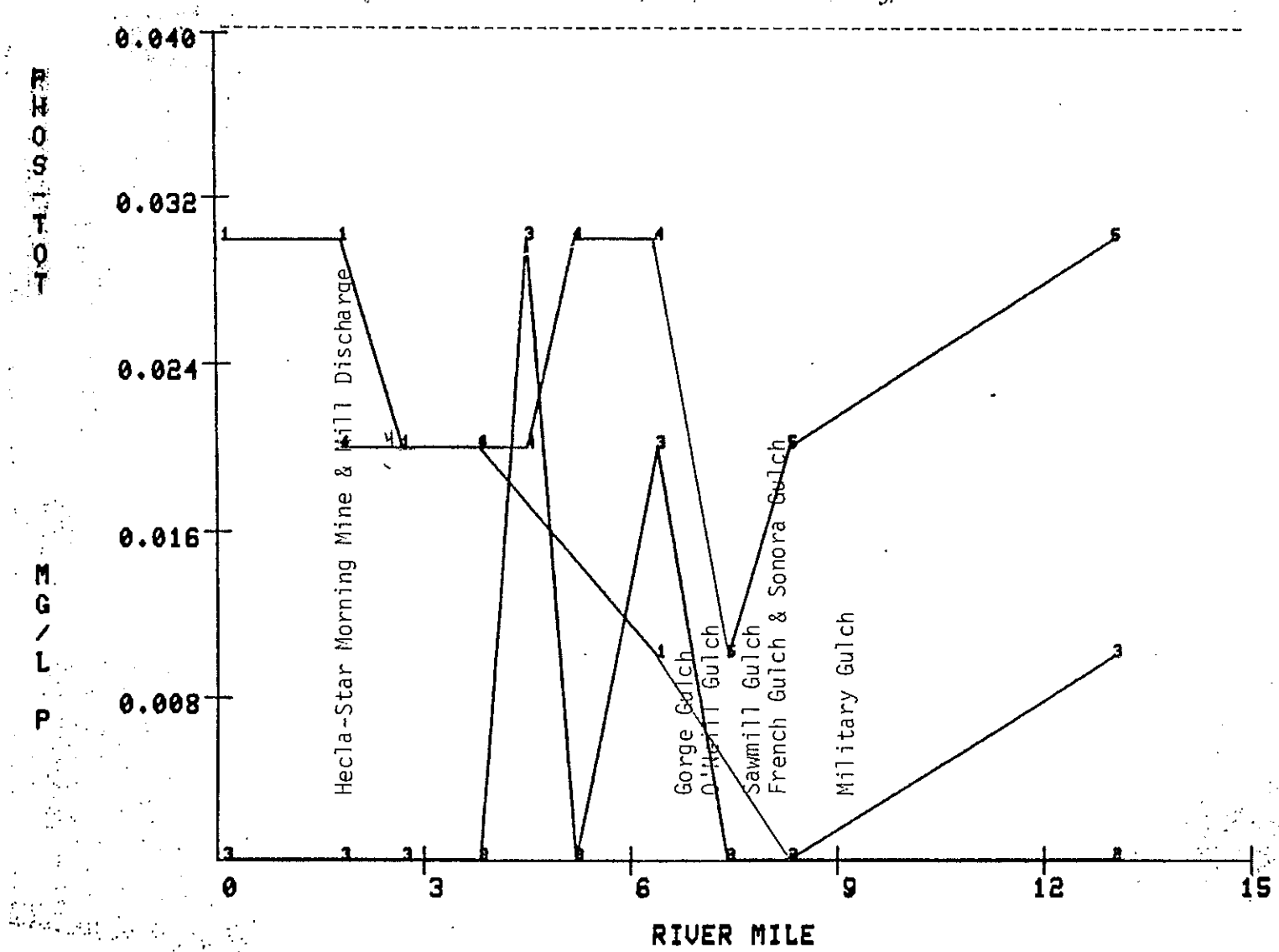


CANYON CREEK
INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

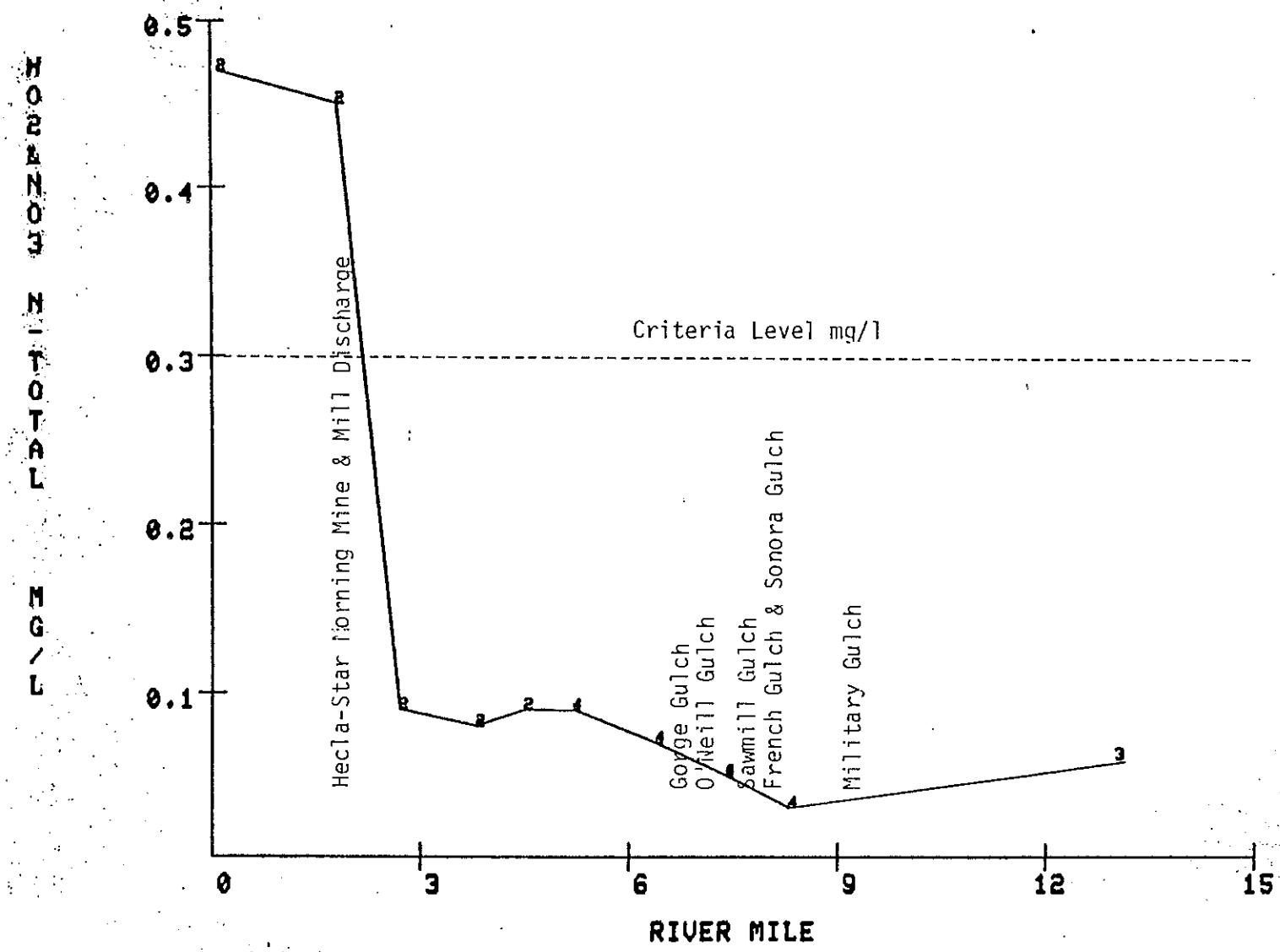
1 : 02-04-79 2 : 02-05-79 3 : 02-06-79
4 : 02-08-79 5 : 04-04-79 6 : 04-05-79



CANYON CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
1 : 05-15-79 2 : 05-16-79 3 : 06-28-79
4 : 09-11-79 5 : 09-12-79



CANYON CREEK
INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING
1 : 02-04-79 2 : 02-05-79 3 : 02-06-79
4 : 02-08-79 5 : 04-04-79 6 : 04-05-79



CANYON CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
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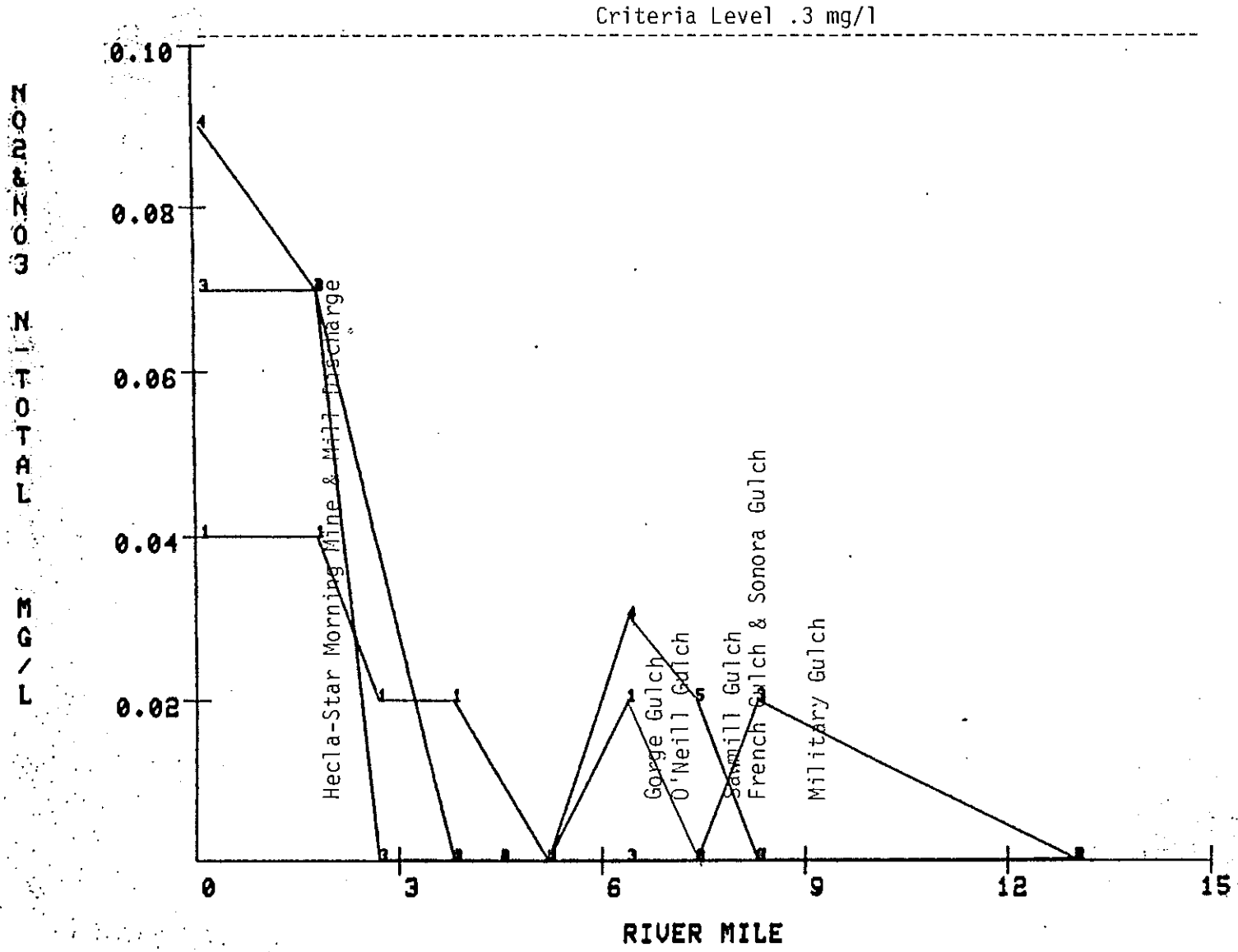
4 : 09-11-79 5 : 09-12-79



CANYON CREEK
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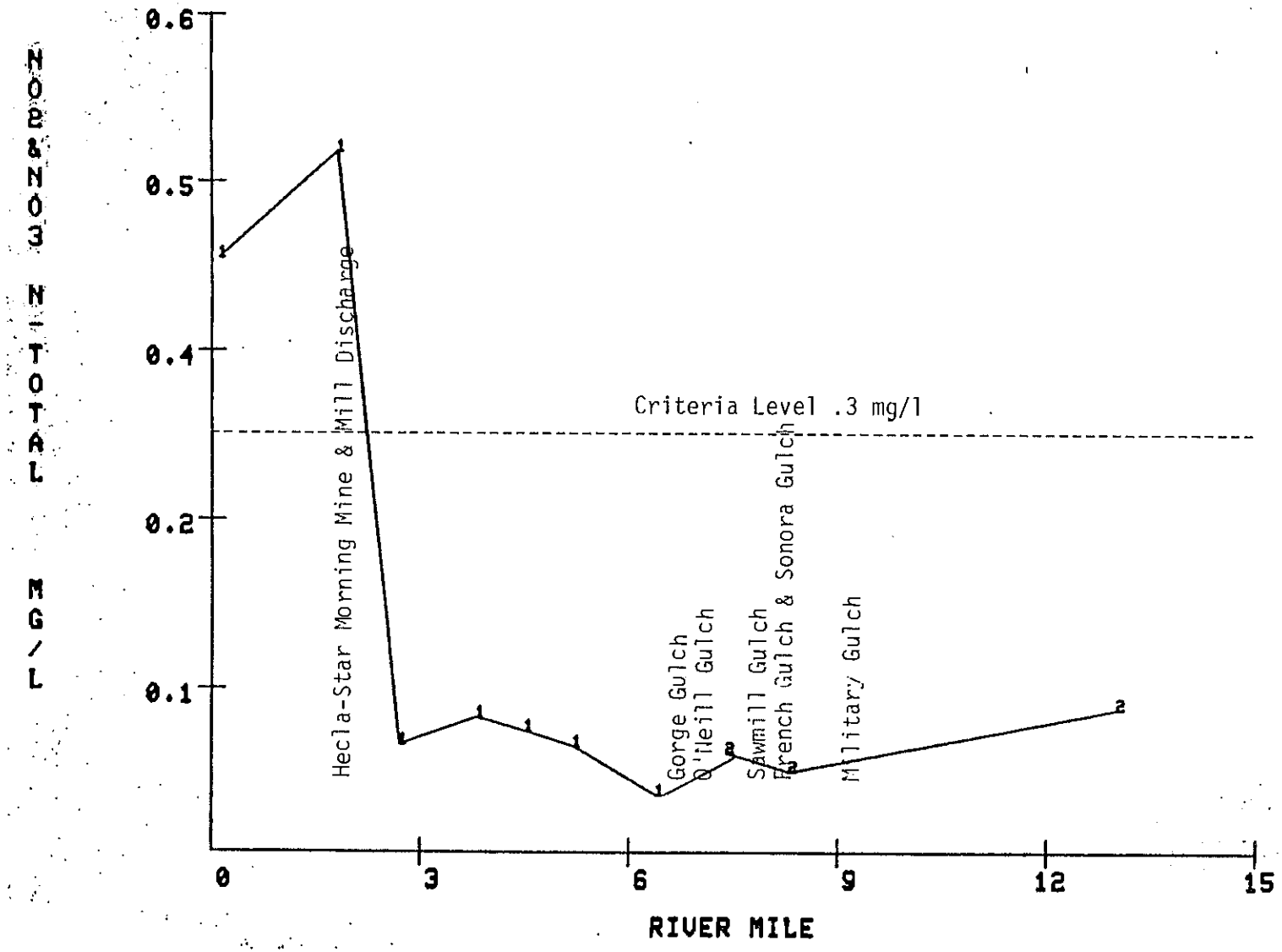

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INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

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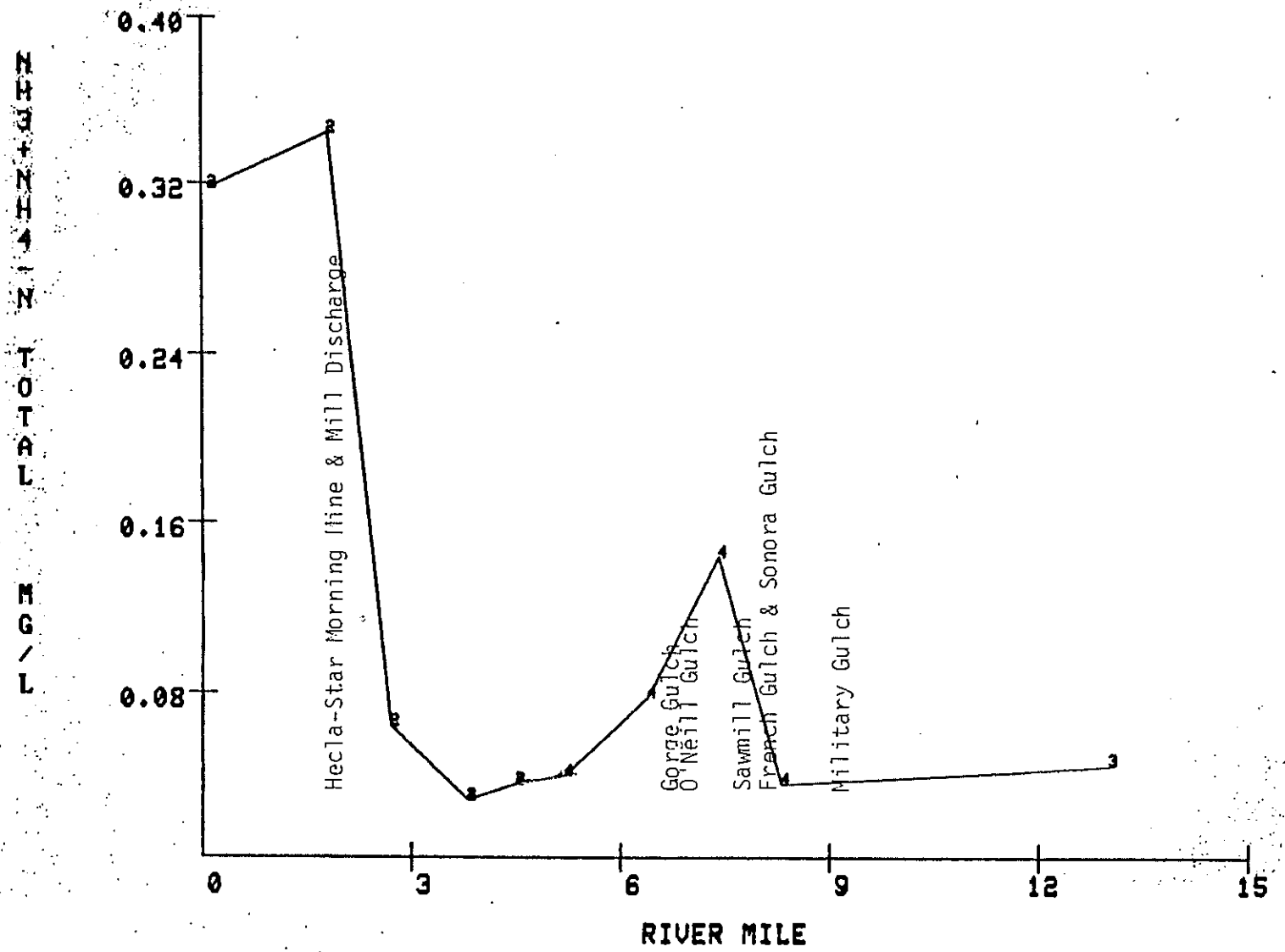

CANYON CREEK
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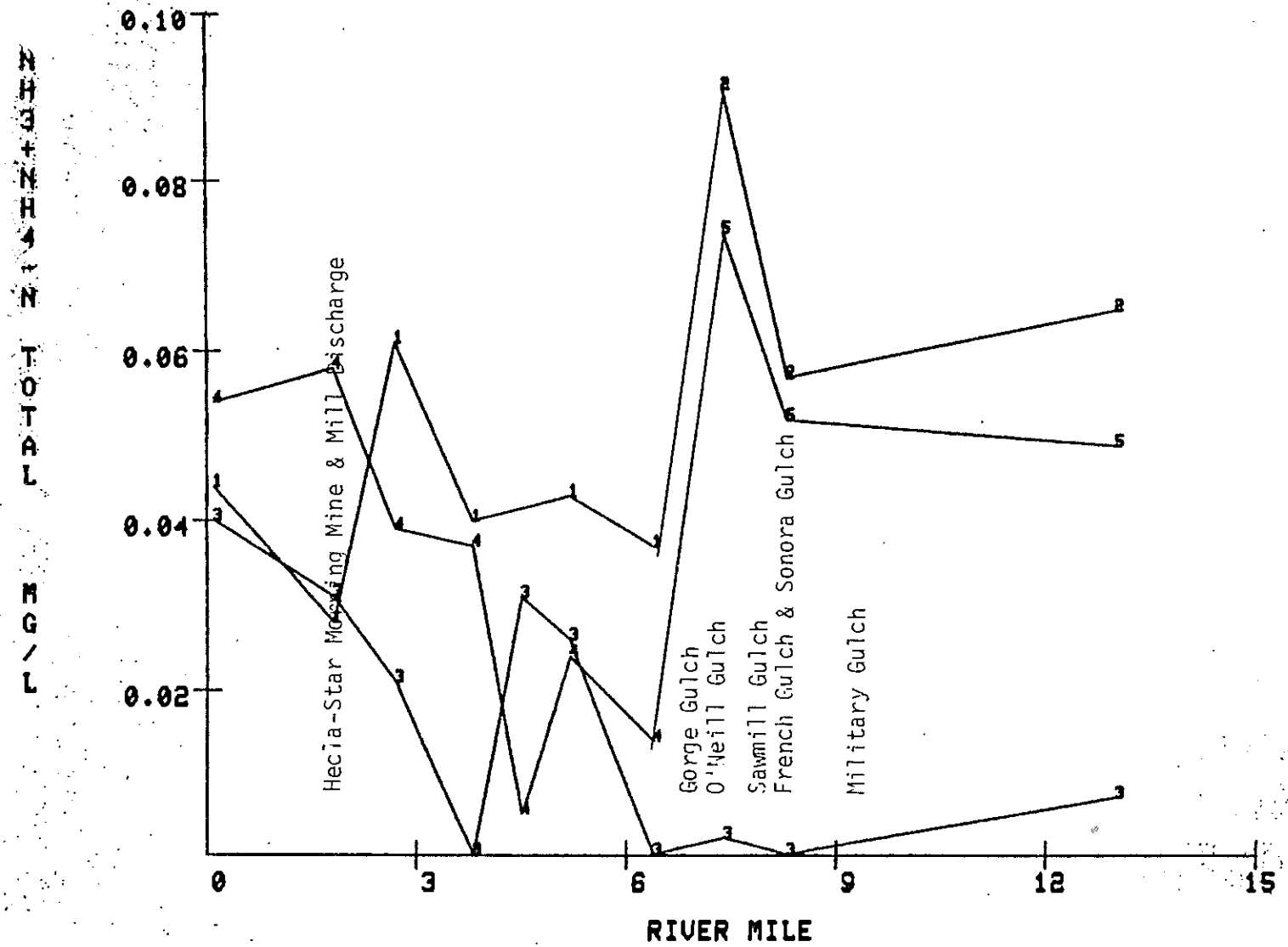

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INTENSIVE SURVEY DATA FOR 2 DAYS OF MONITORING
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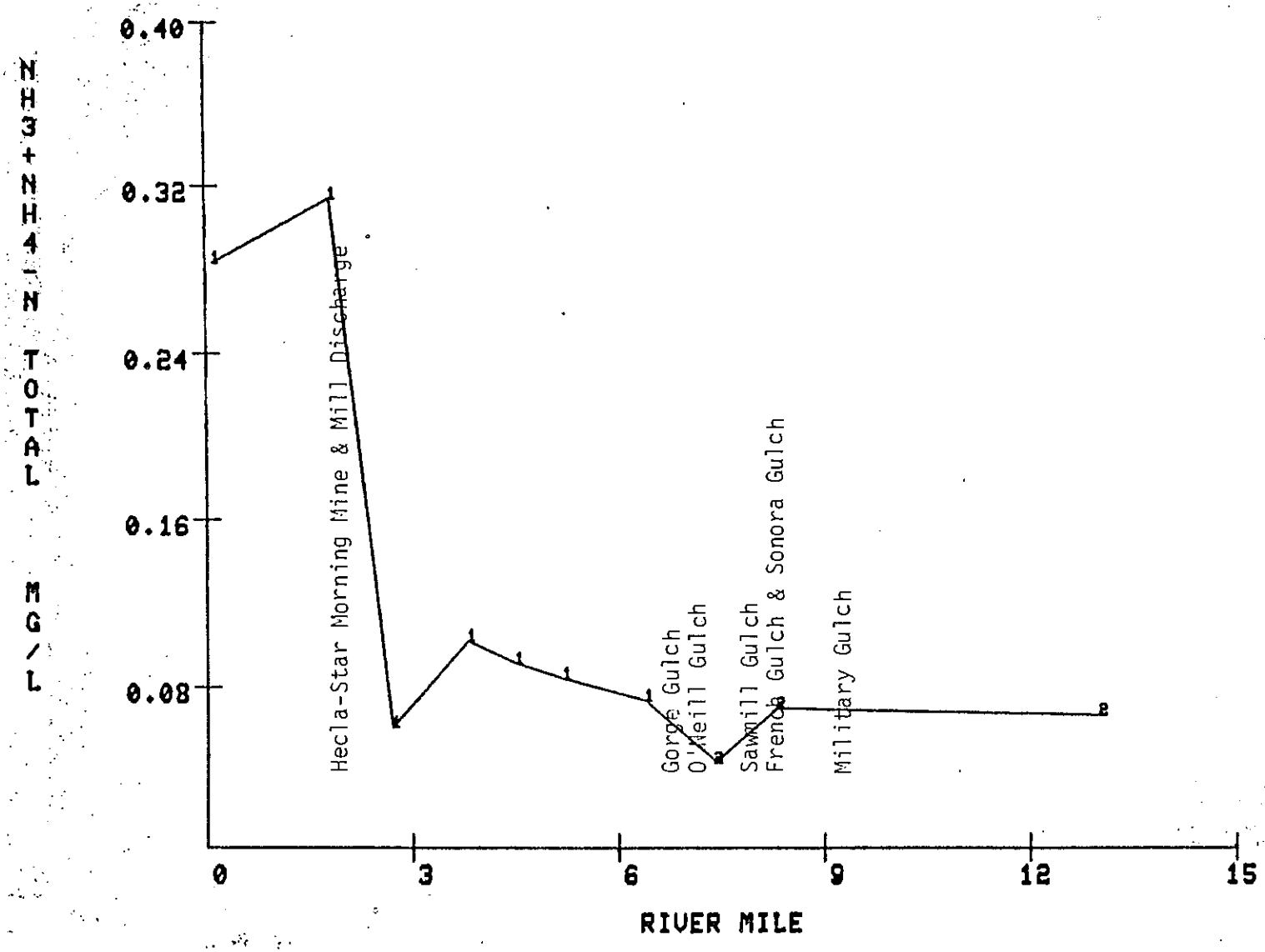

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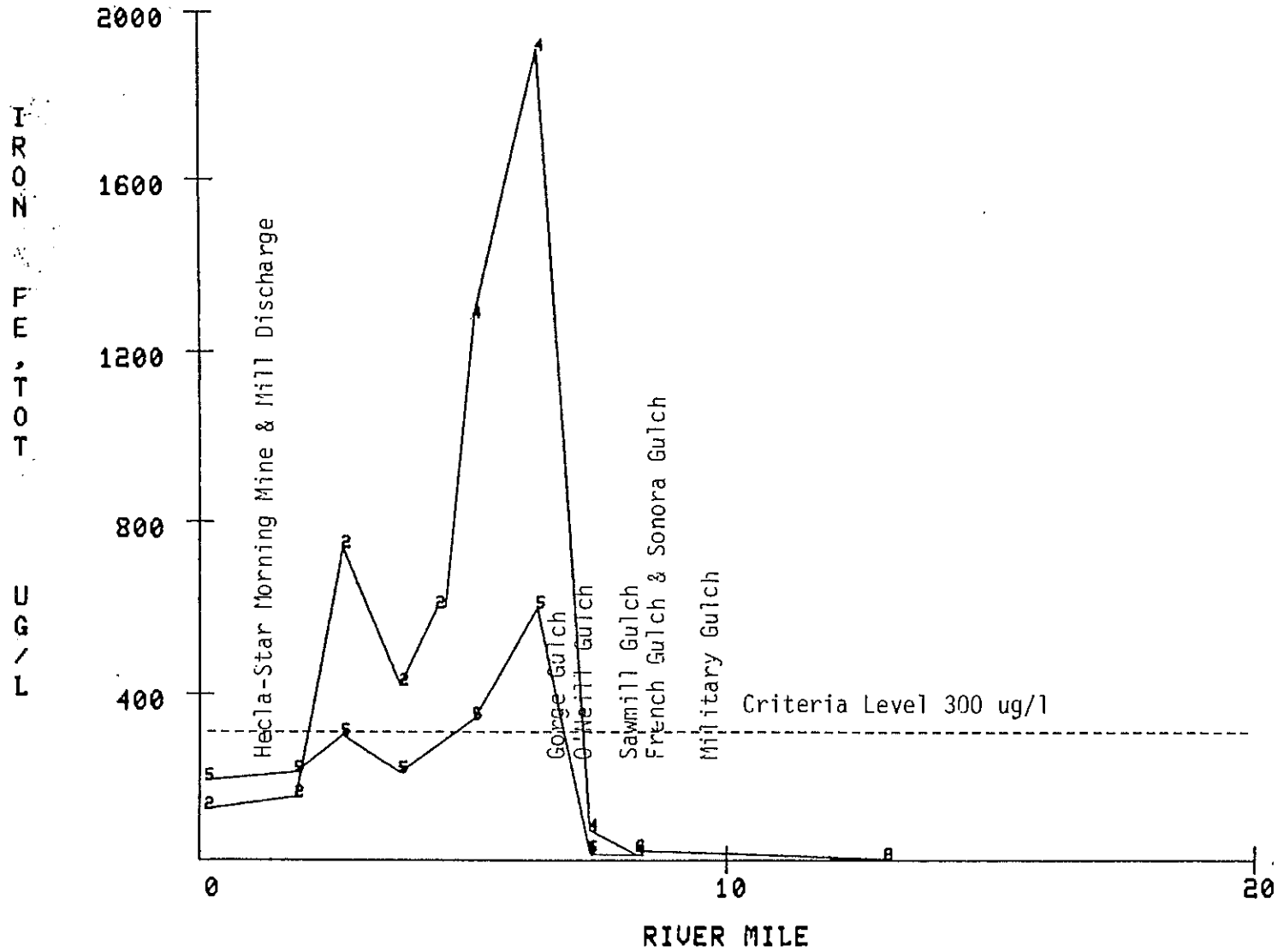

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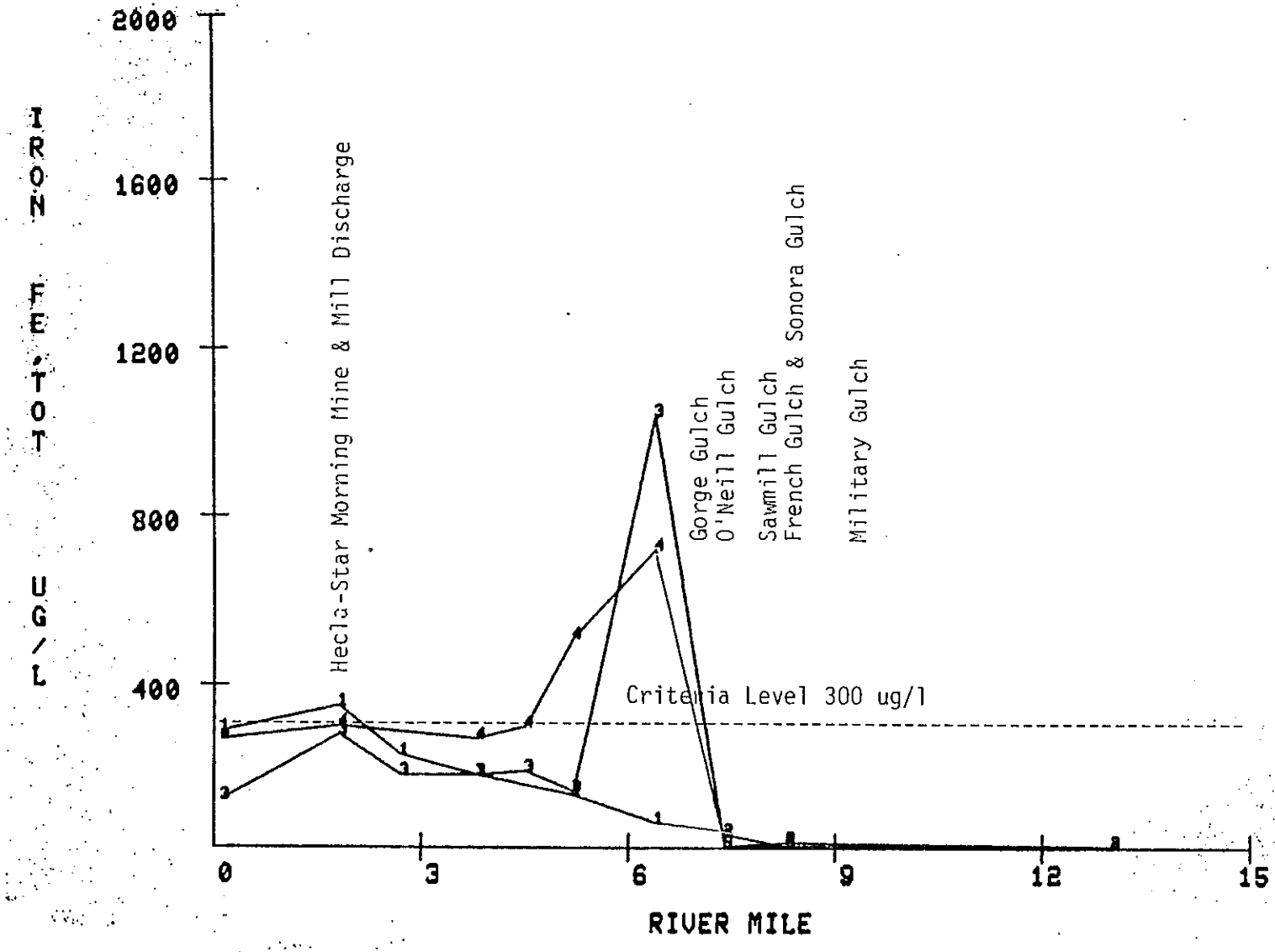

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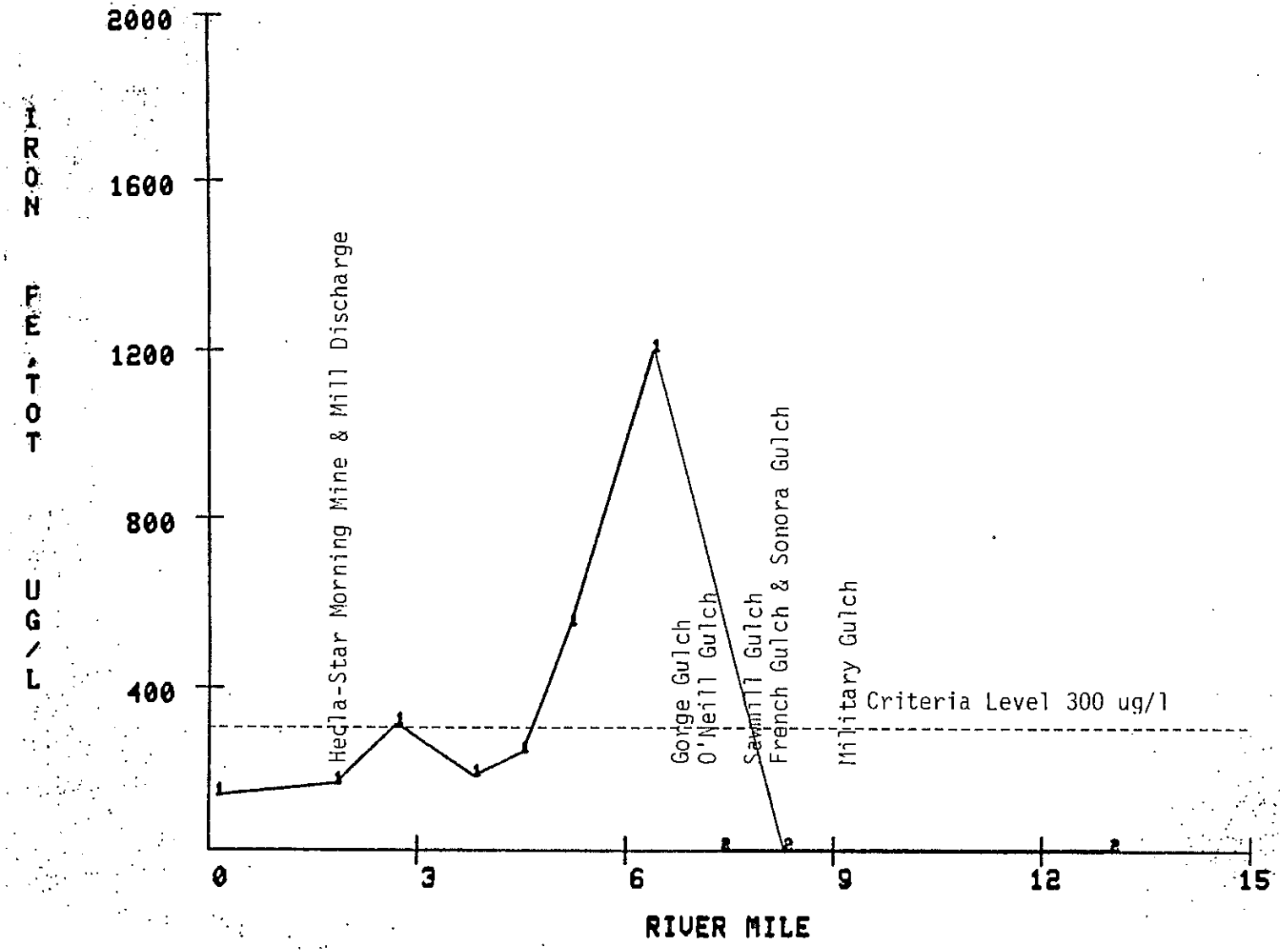

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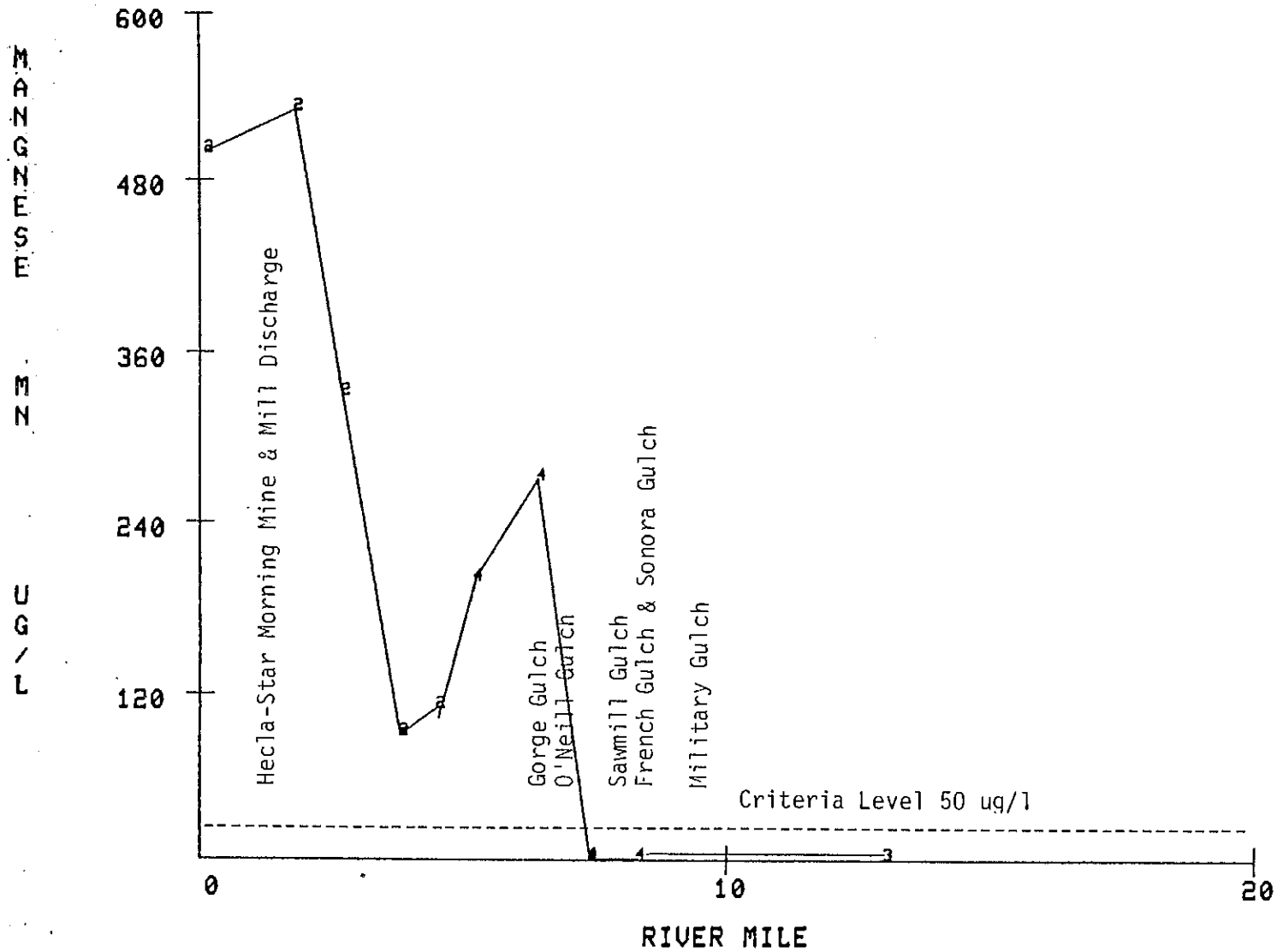

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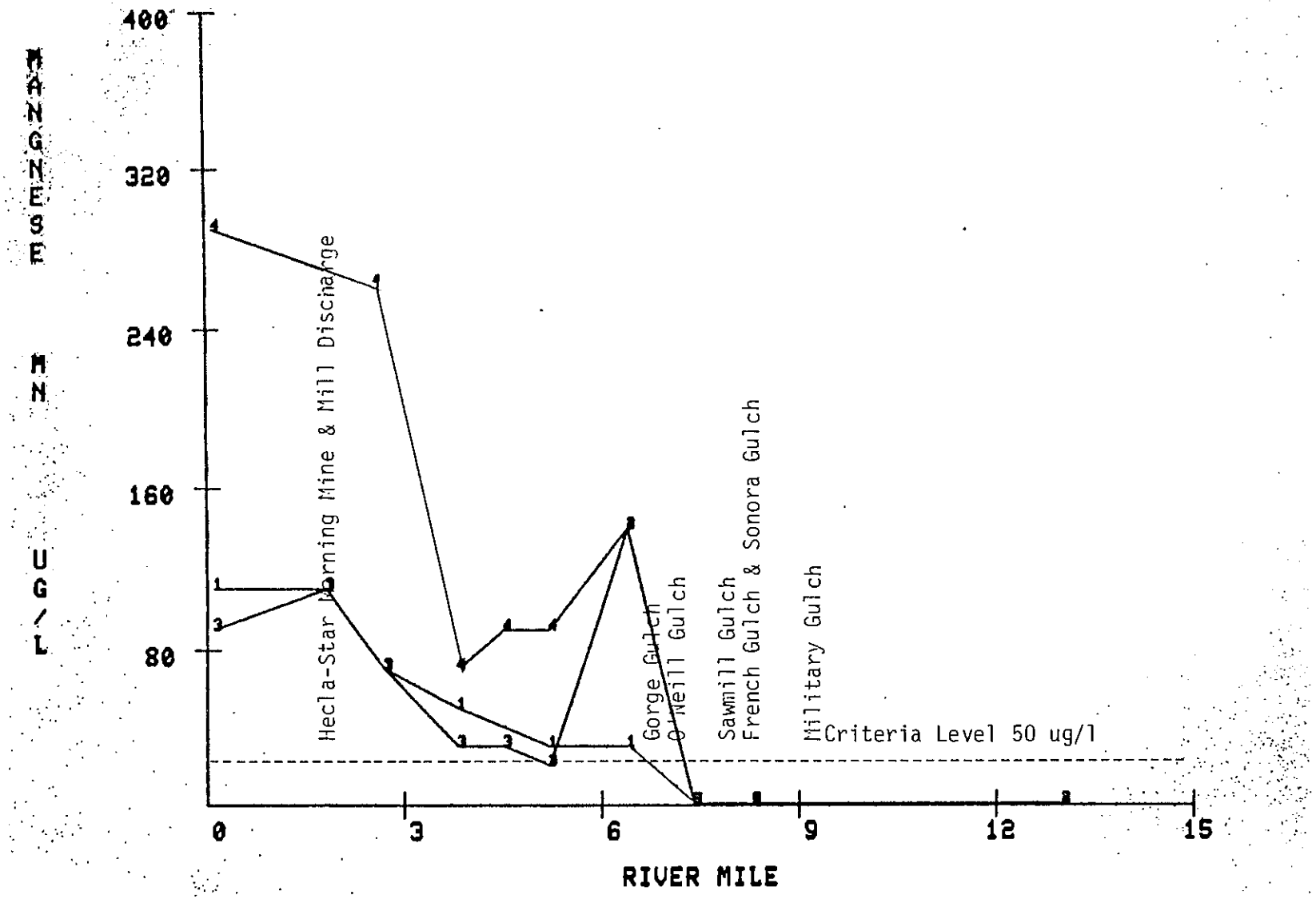

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INTENSIVE SURVEY DATA FOR 2 DAYS OF MONITORING
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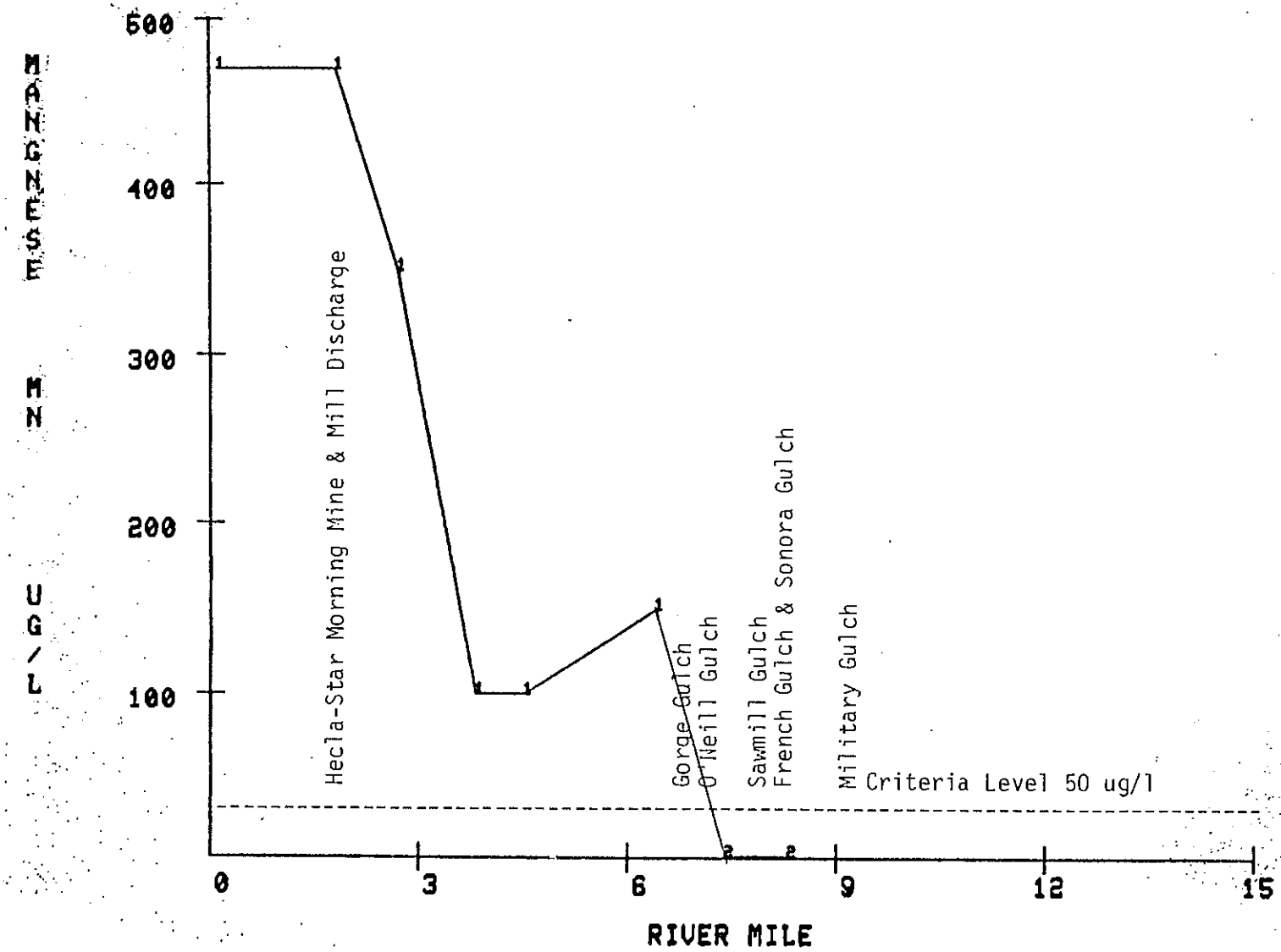

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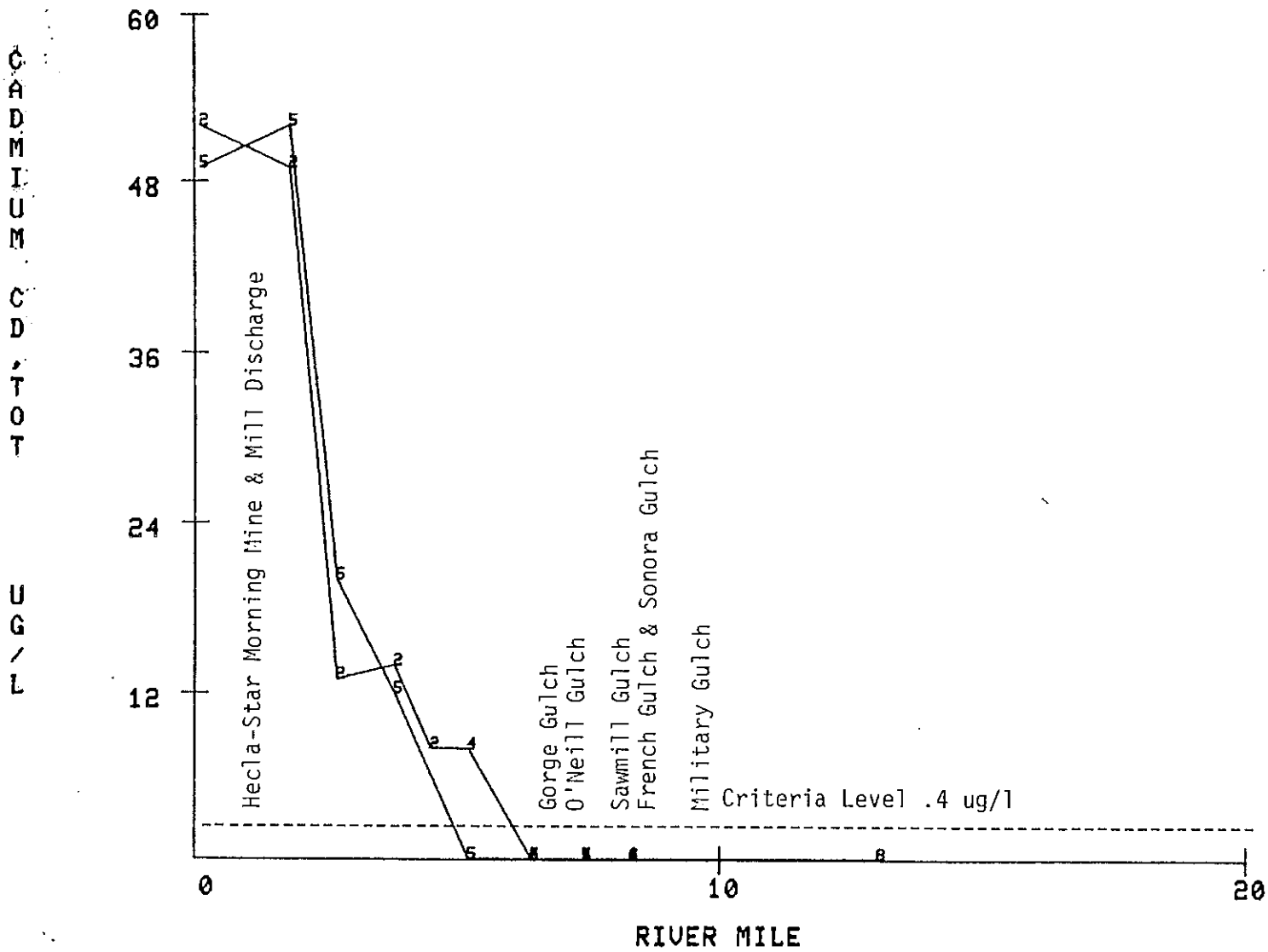

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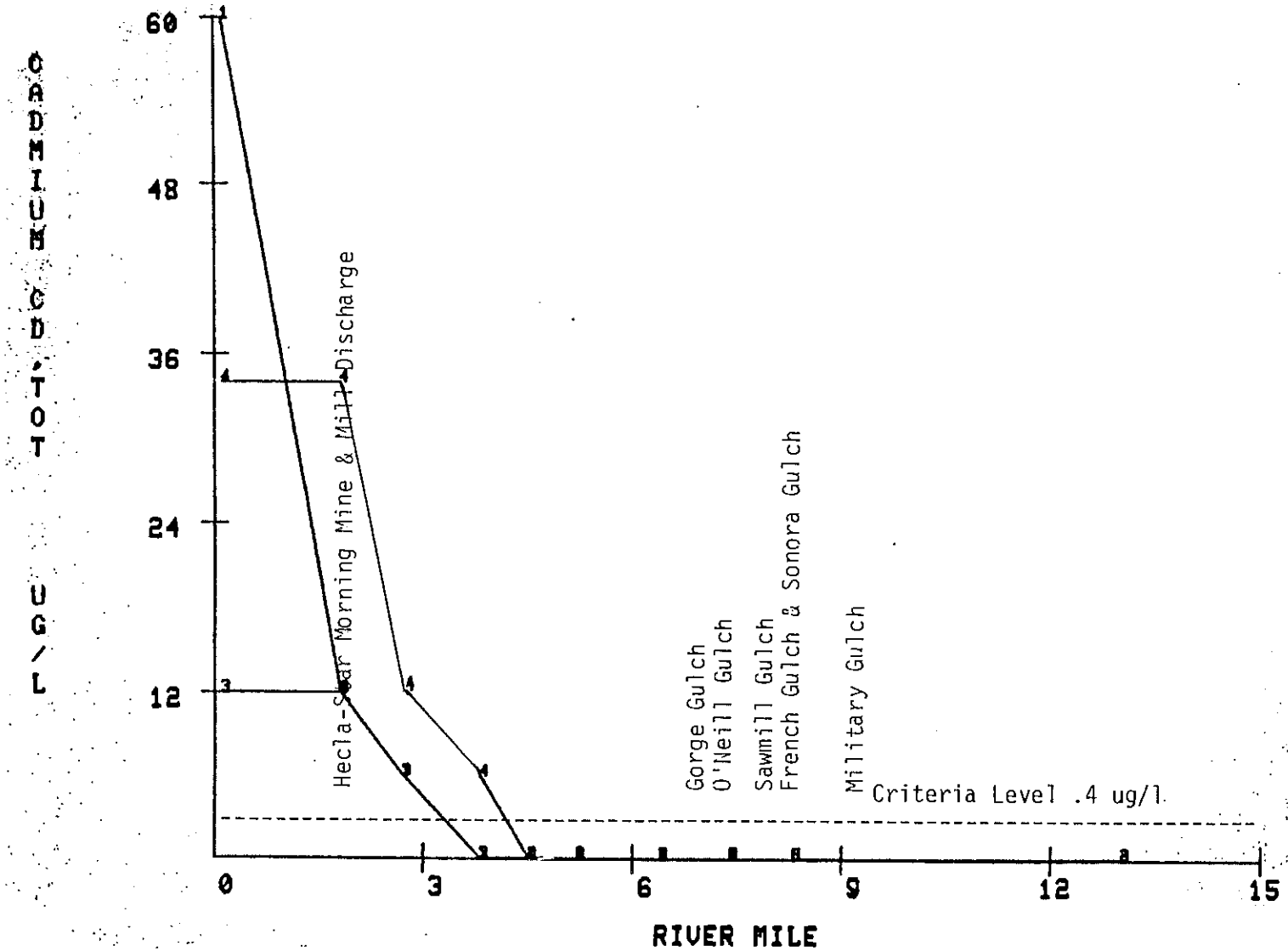

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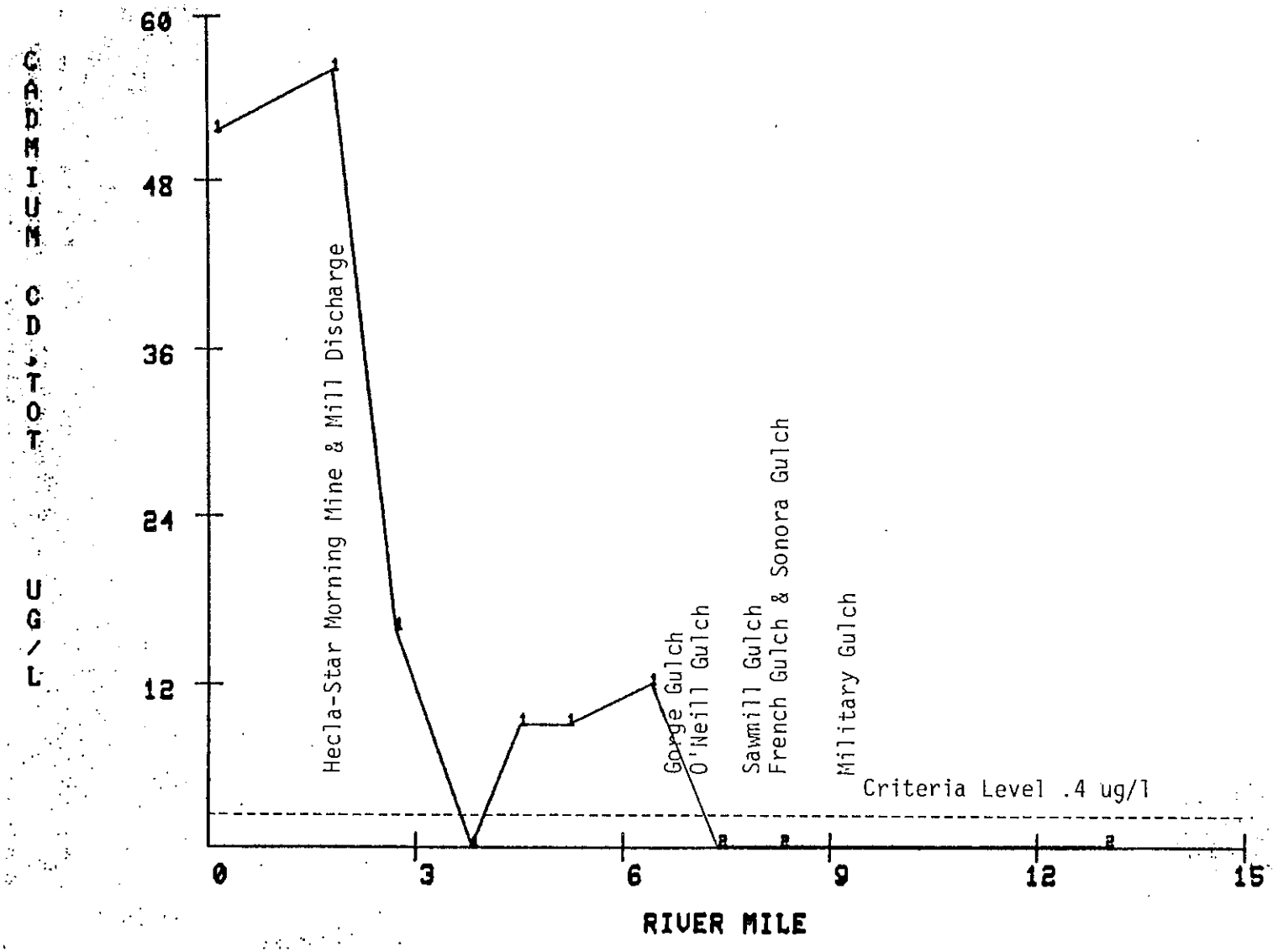

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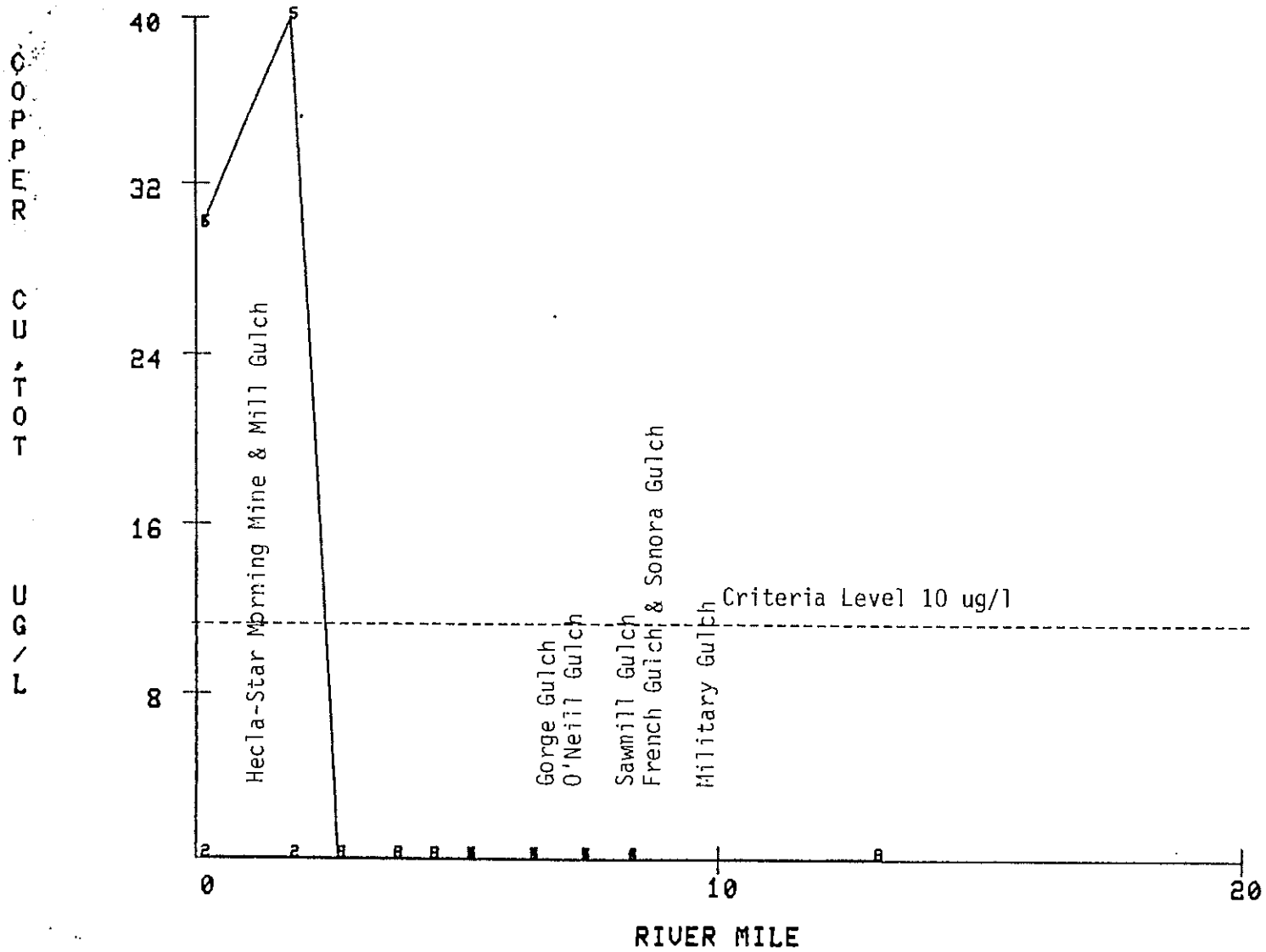

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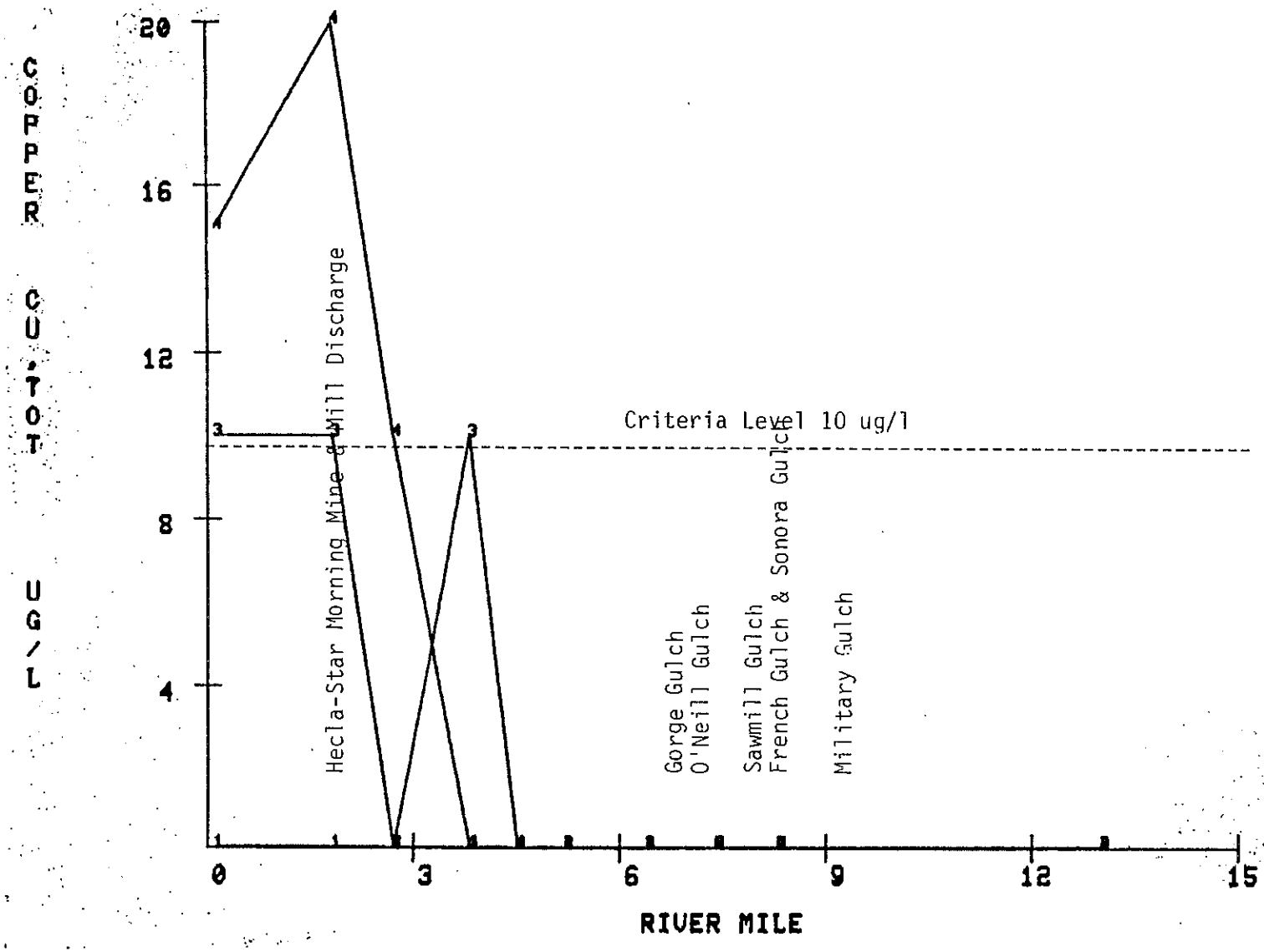

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INTENSIVE SURVEY DATA FOR 2 DAYS OF MONITORING
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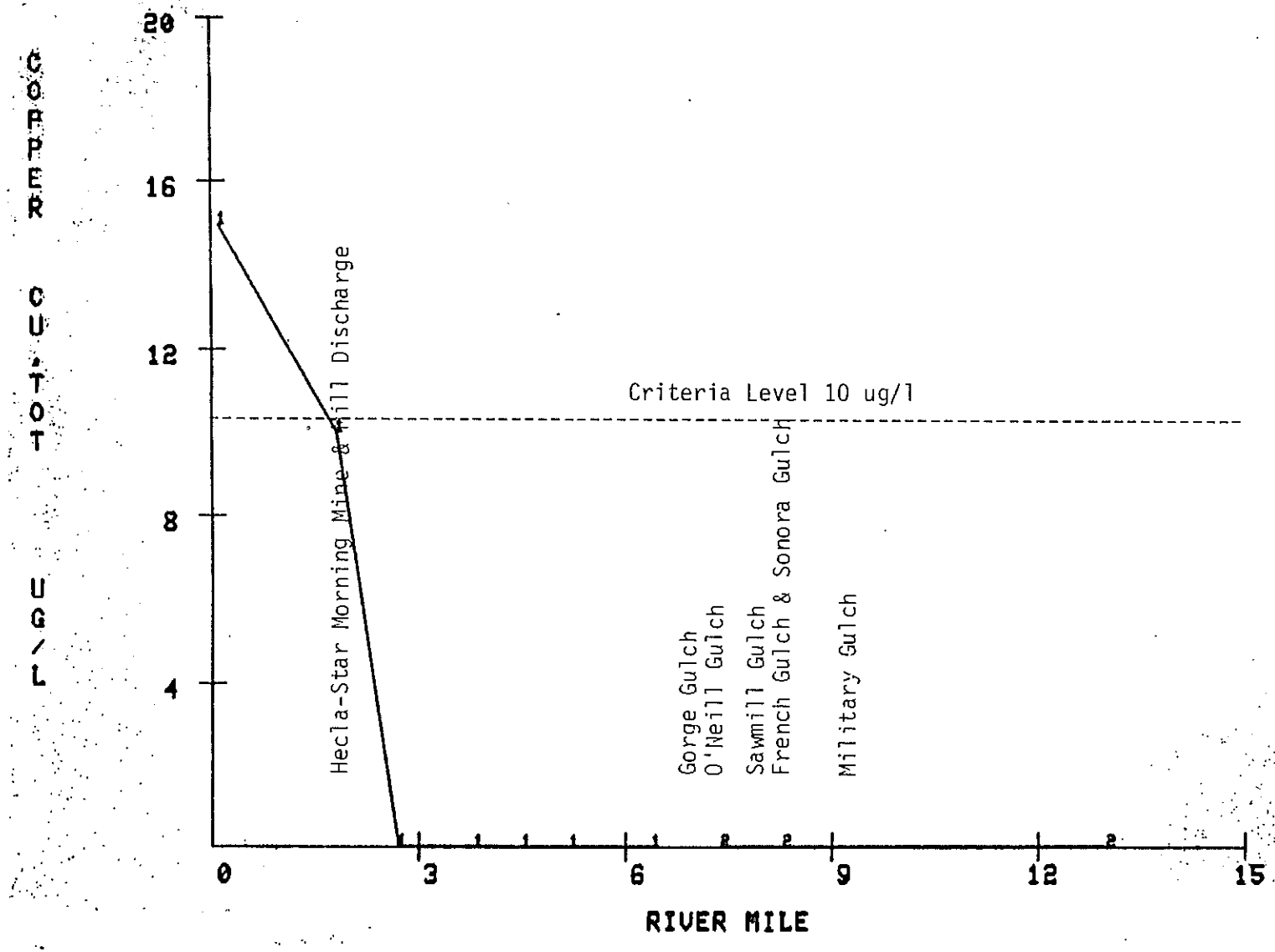

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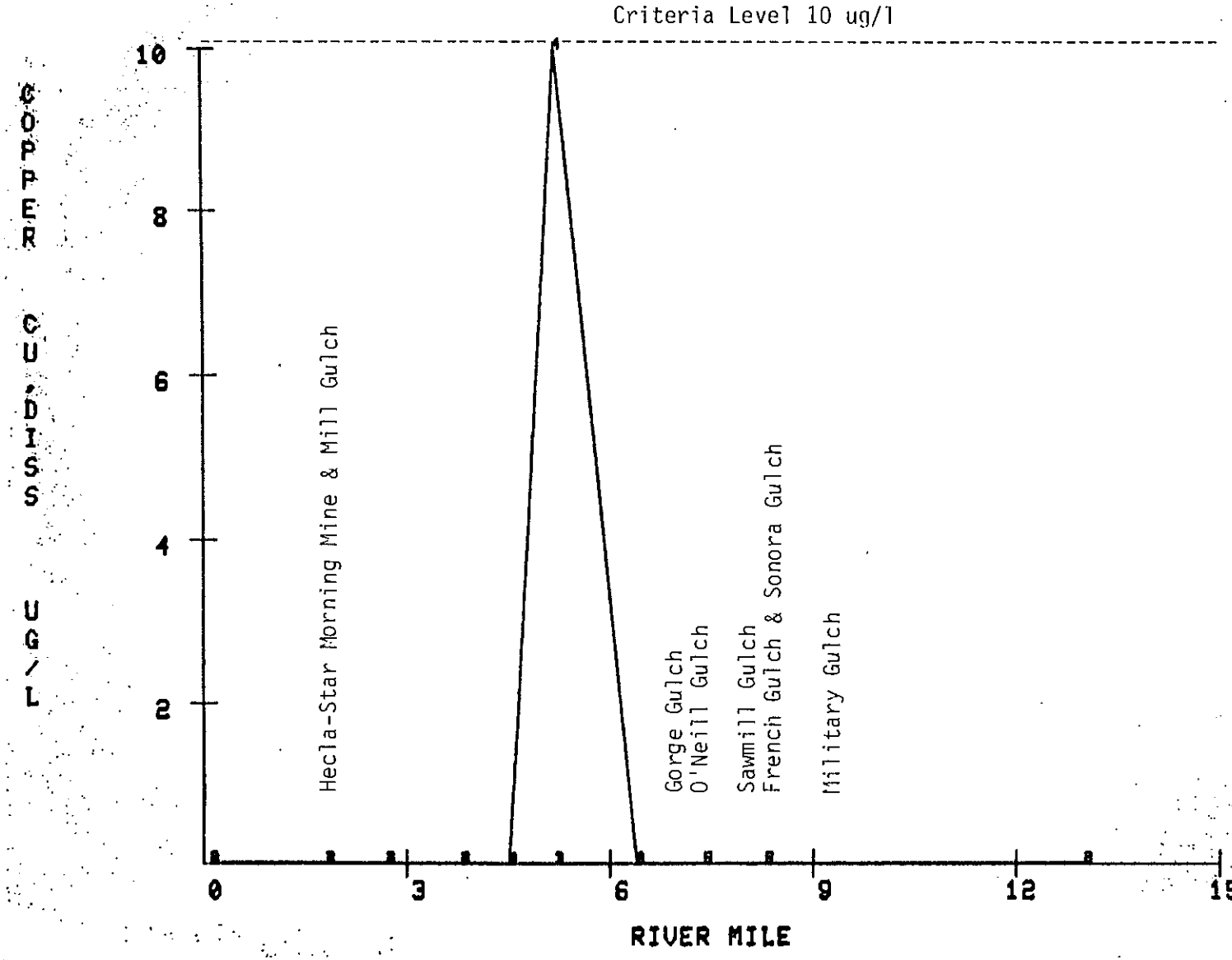

CANYON CREEK
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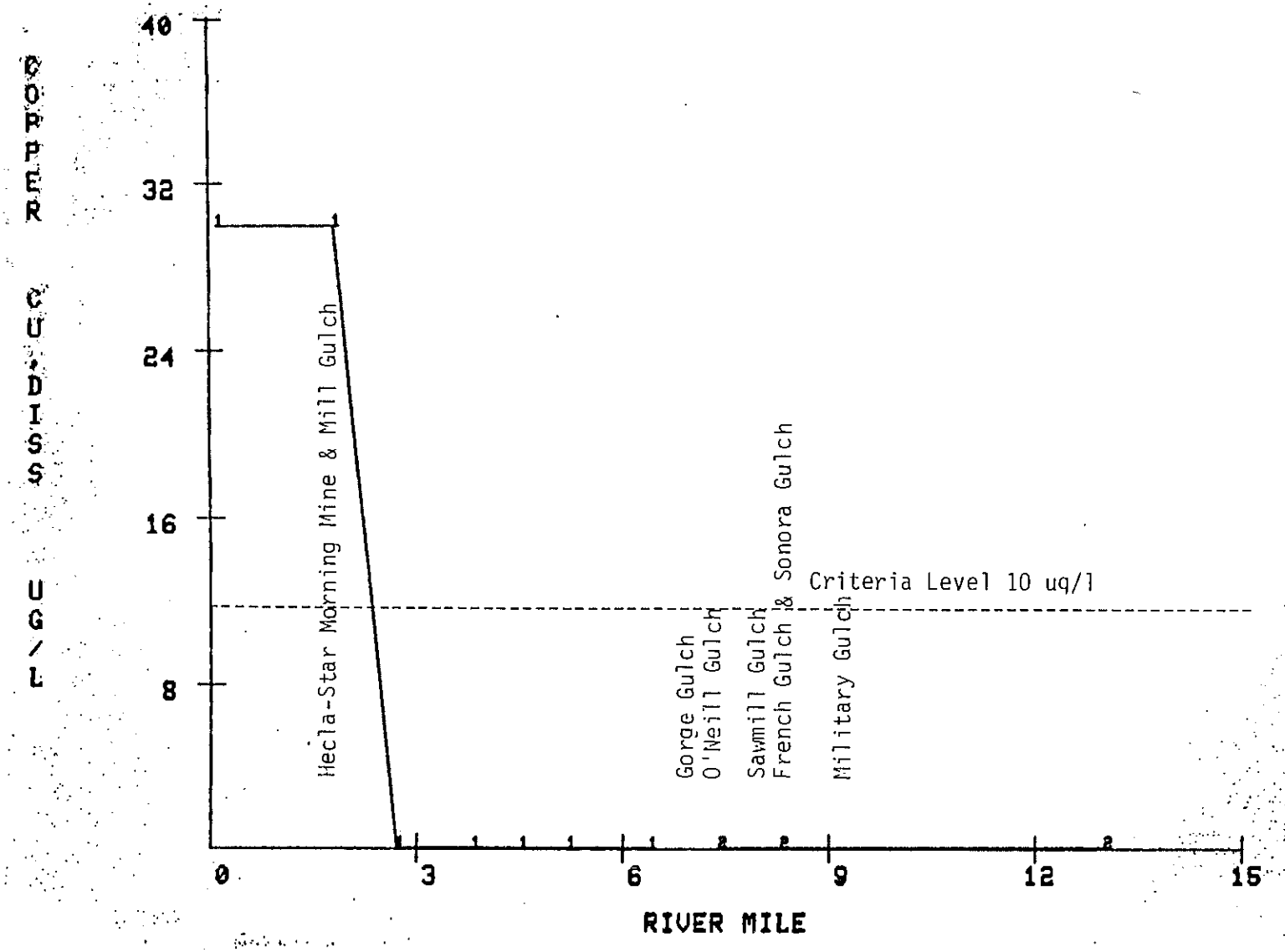

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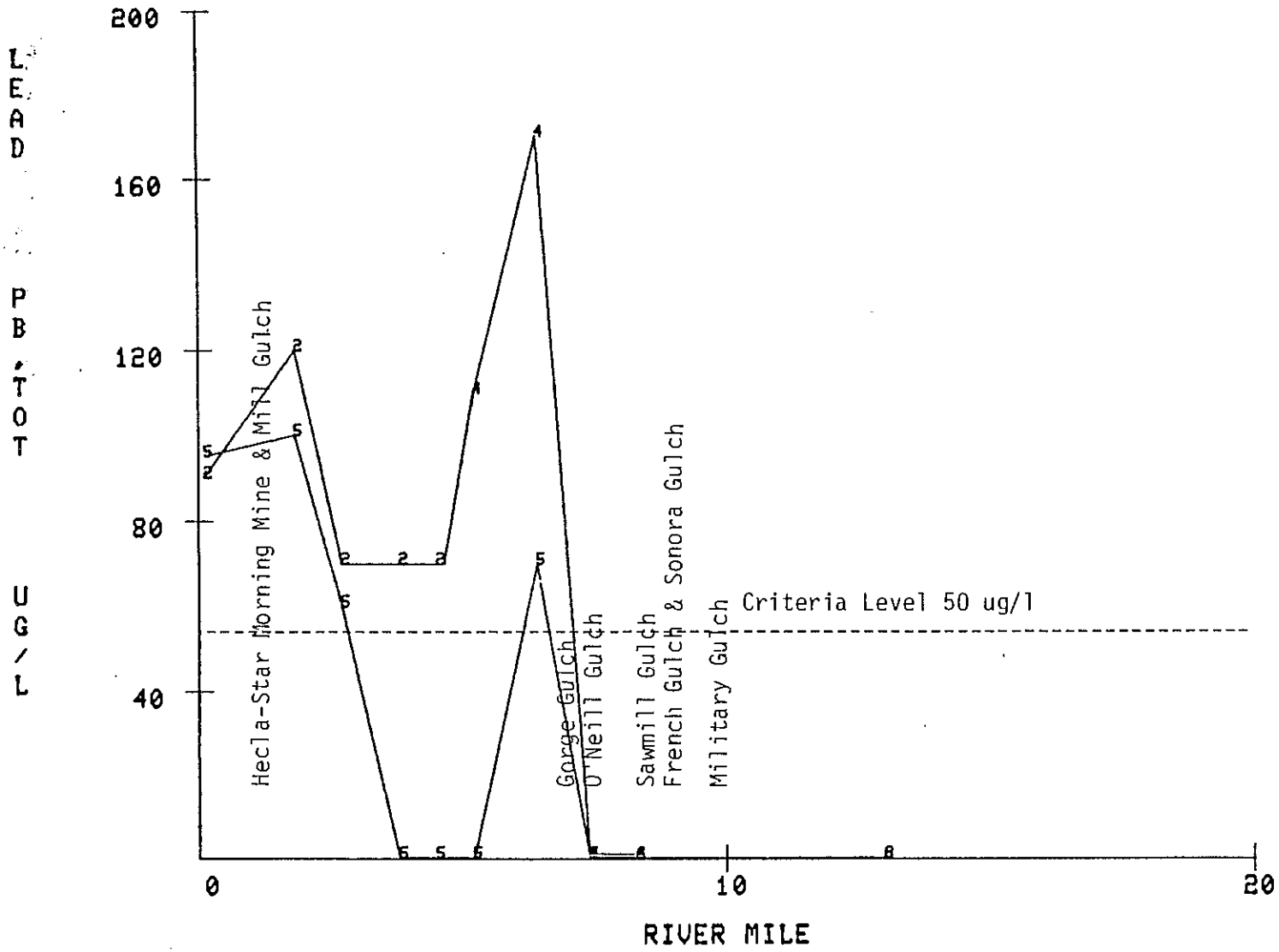

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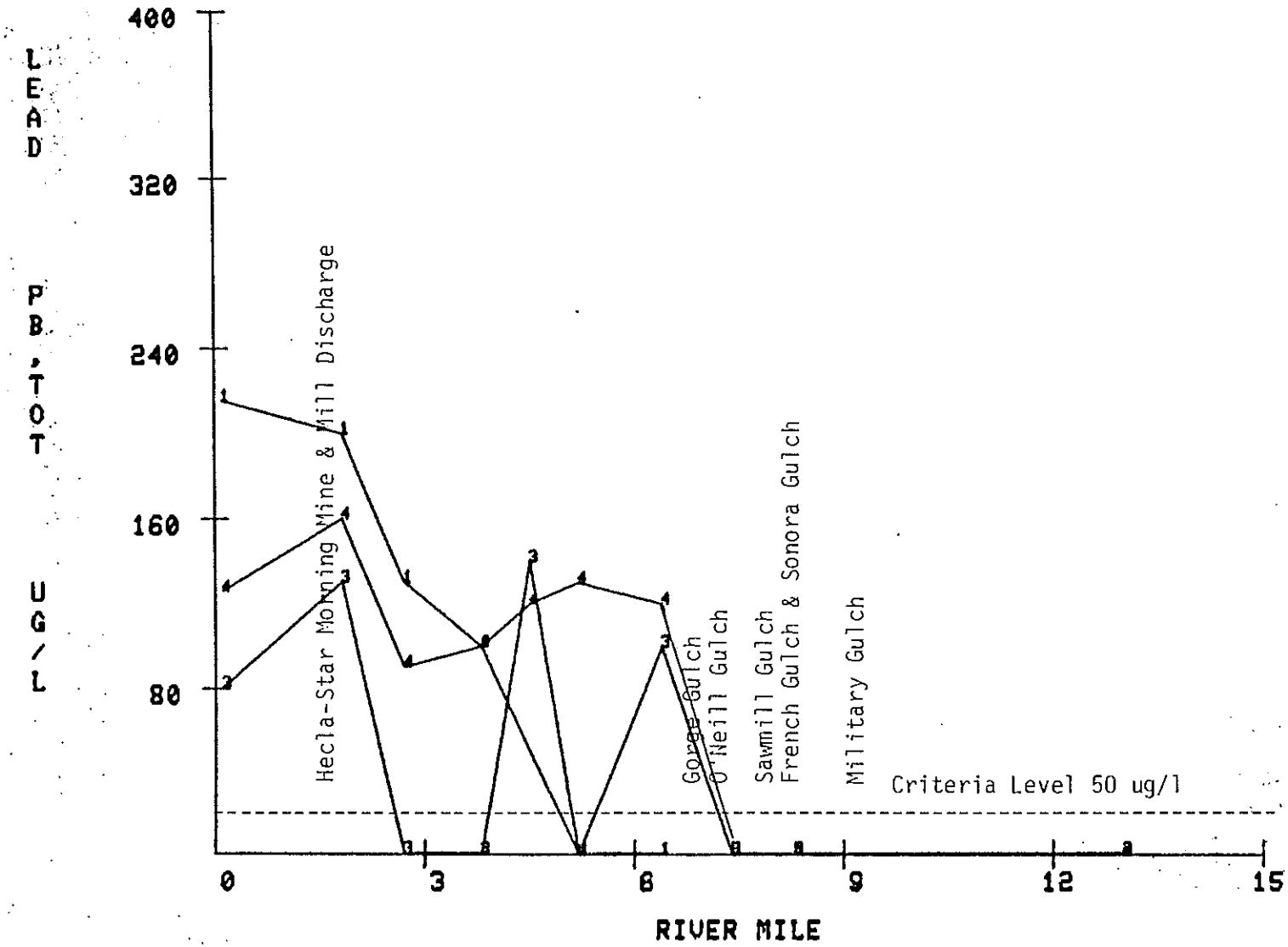

CANYON CREEK
INTENSIVE SURVEY DATA FOR 2 DAYS OF MONITORING
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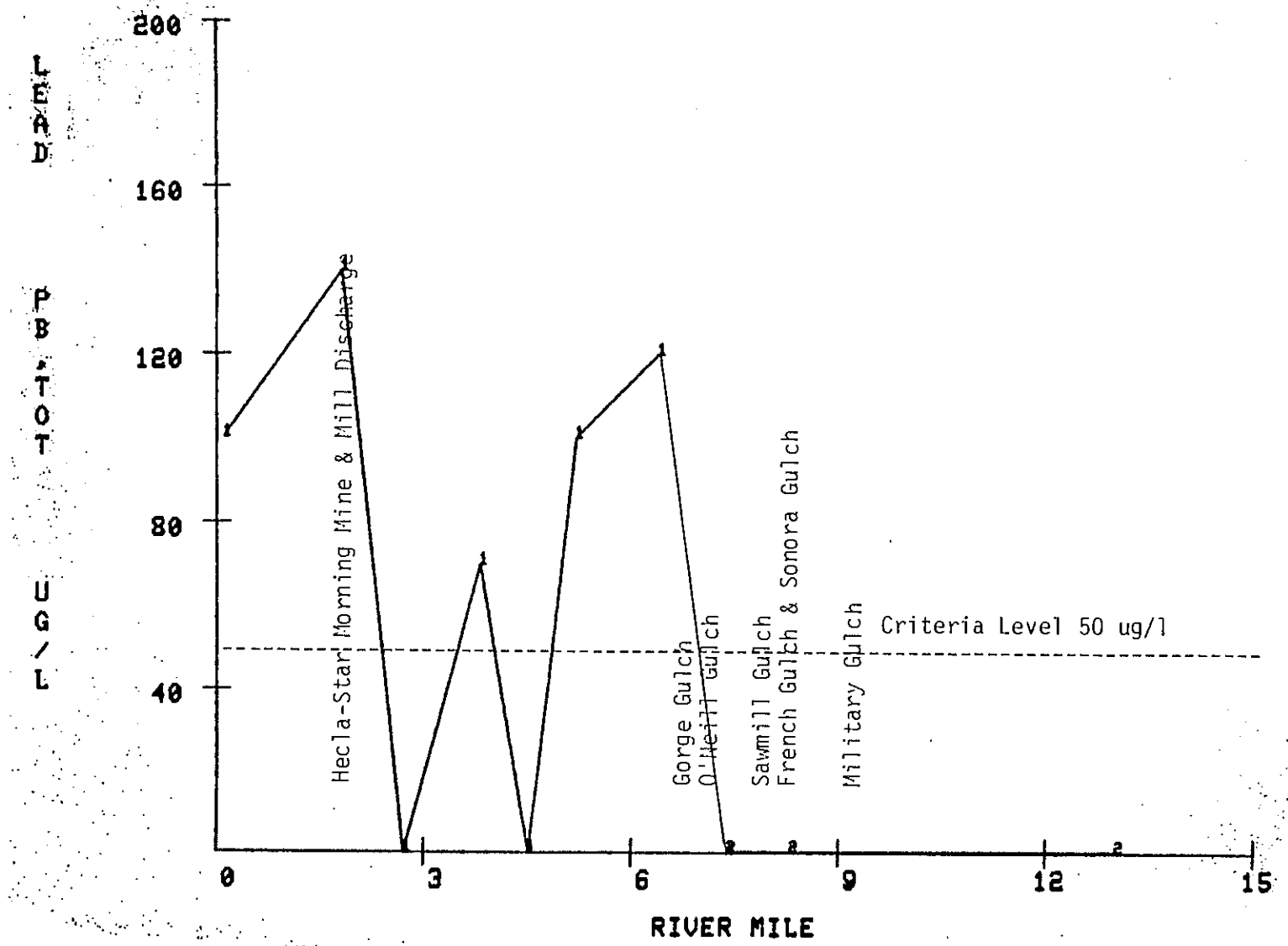

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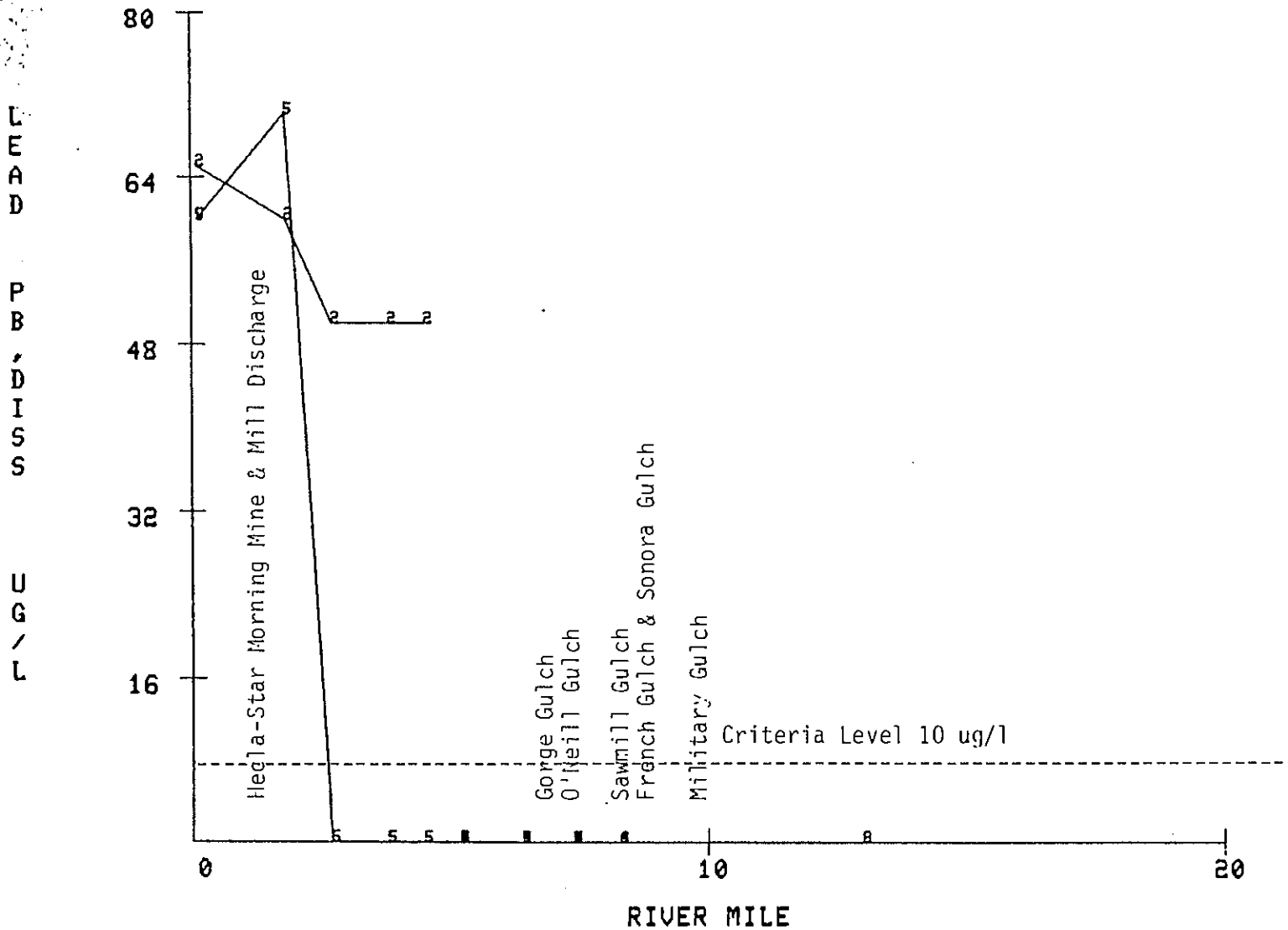

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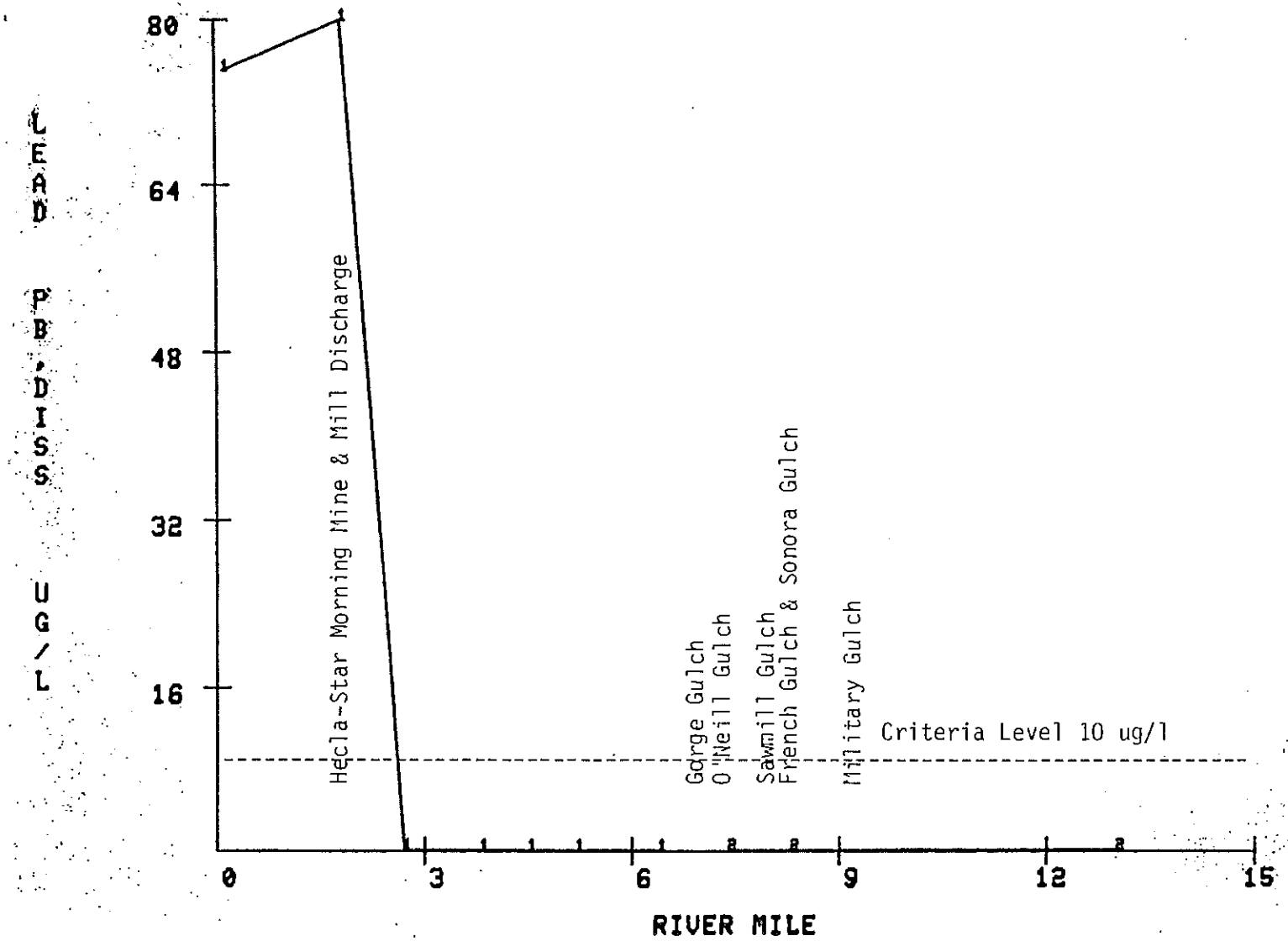

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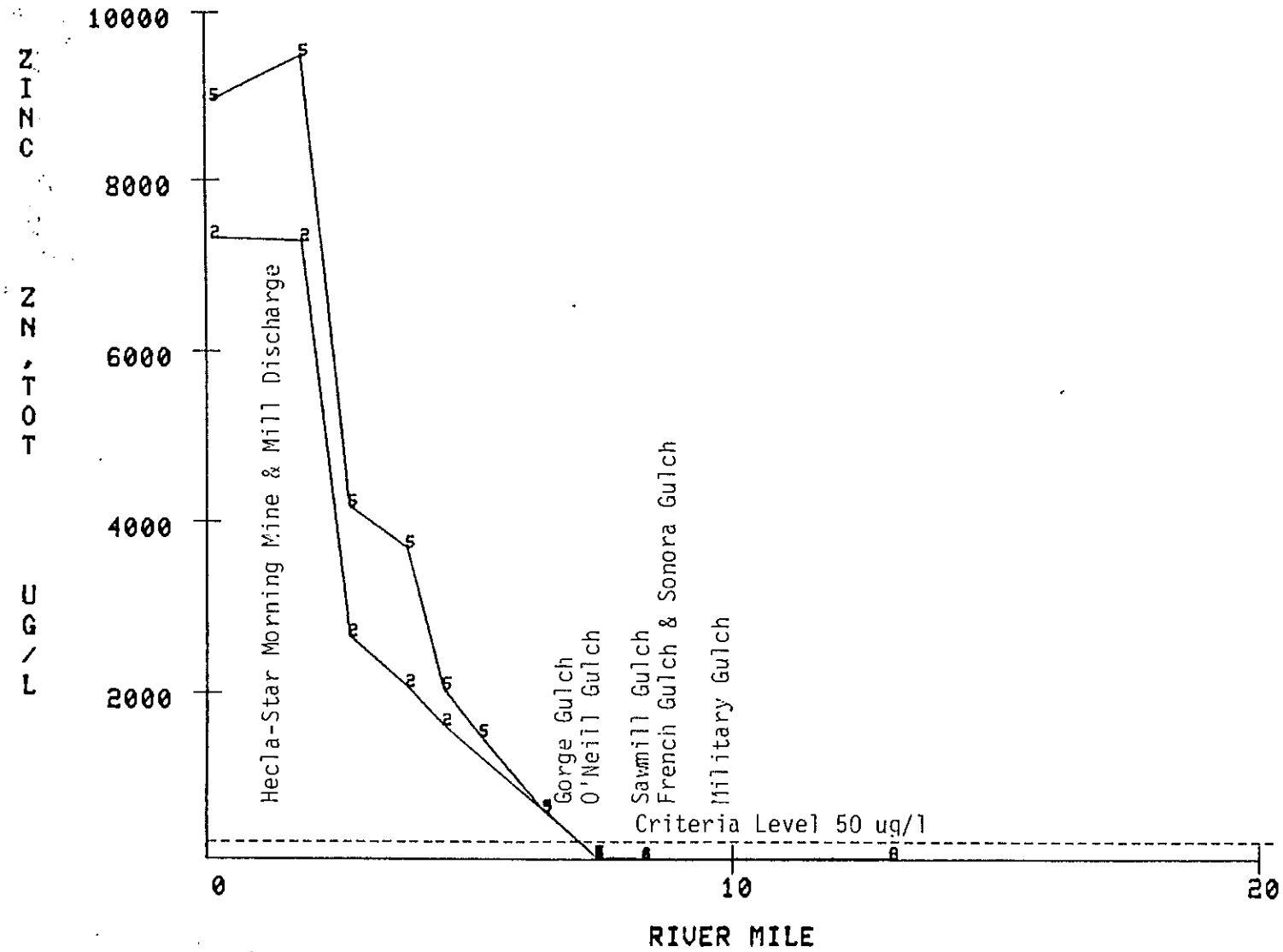

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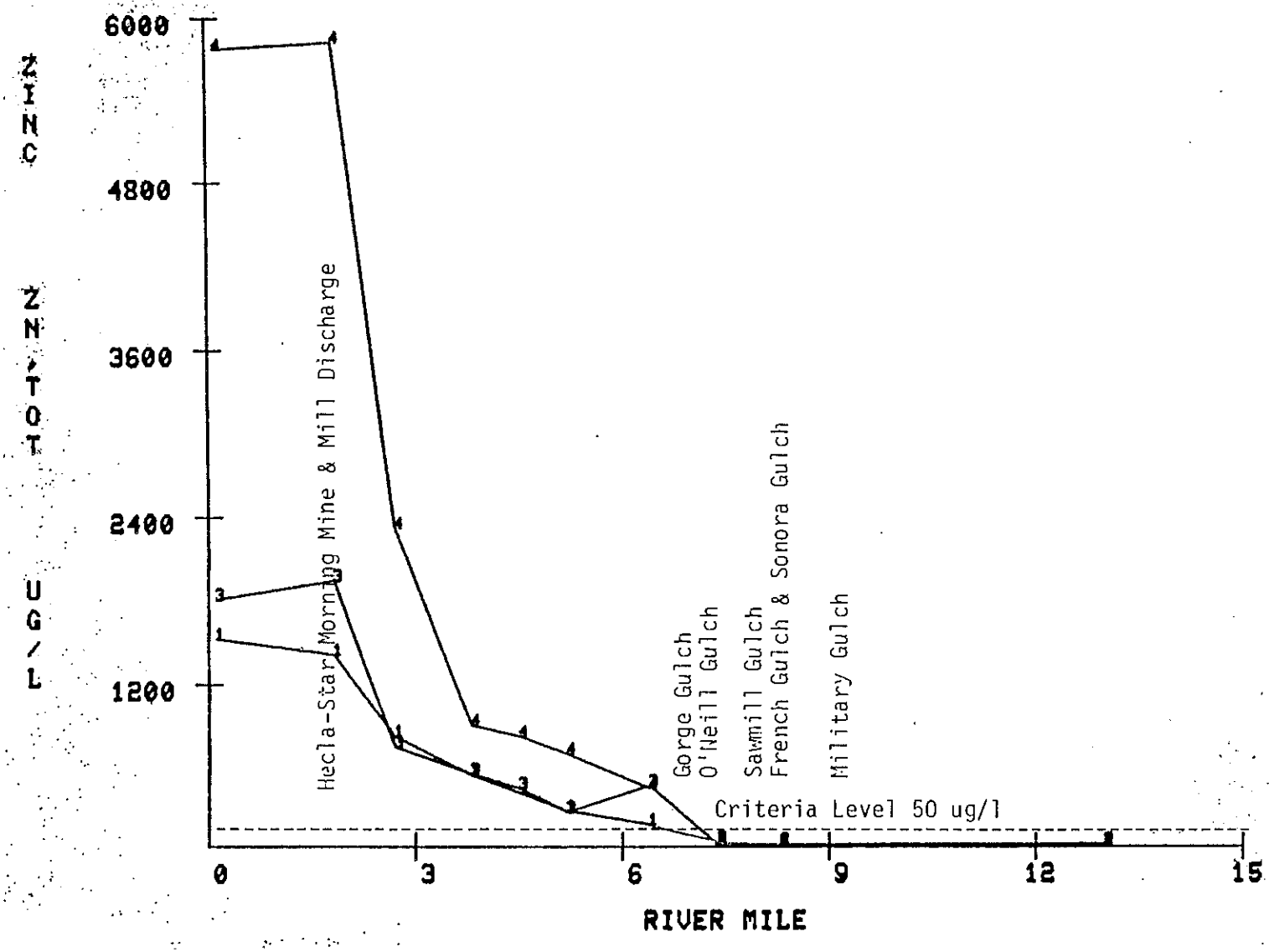

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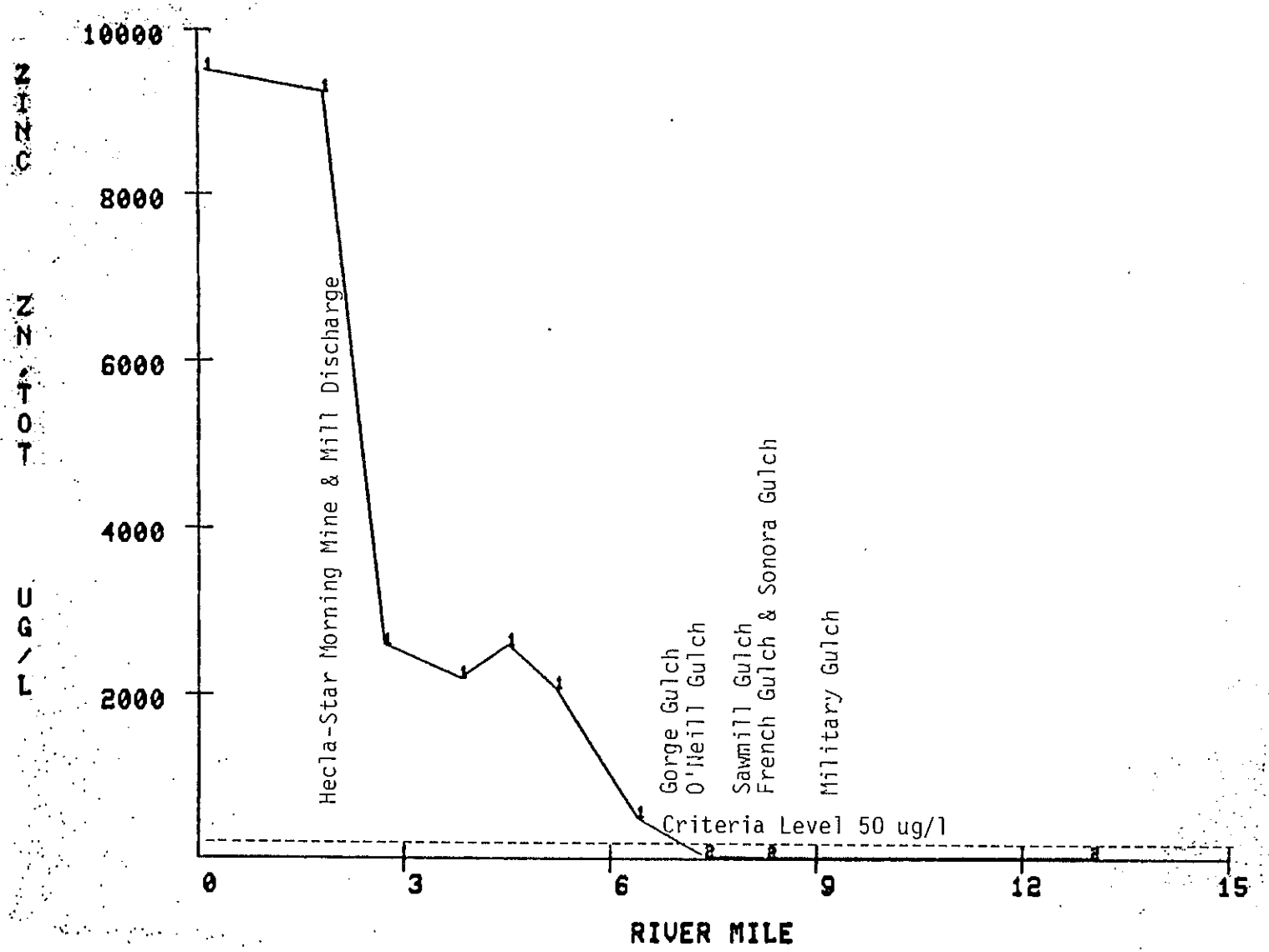

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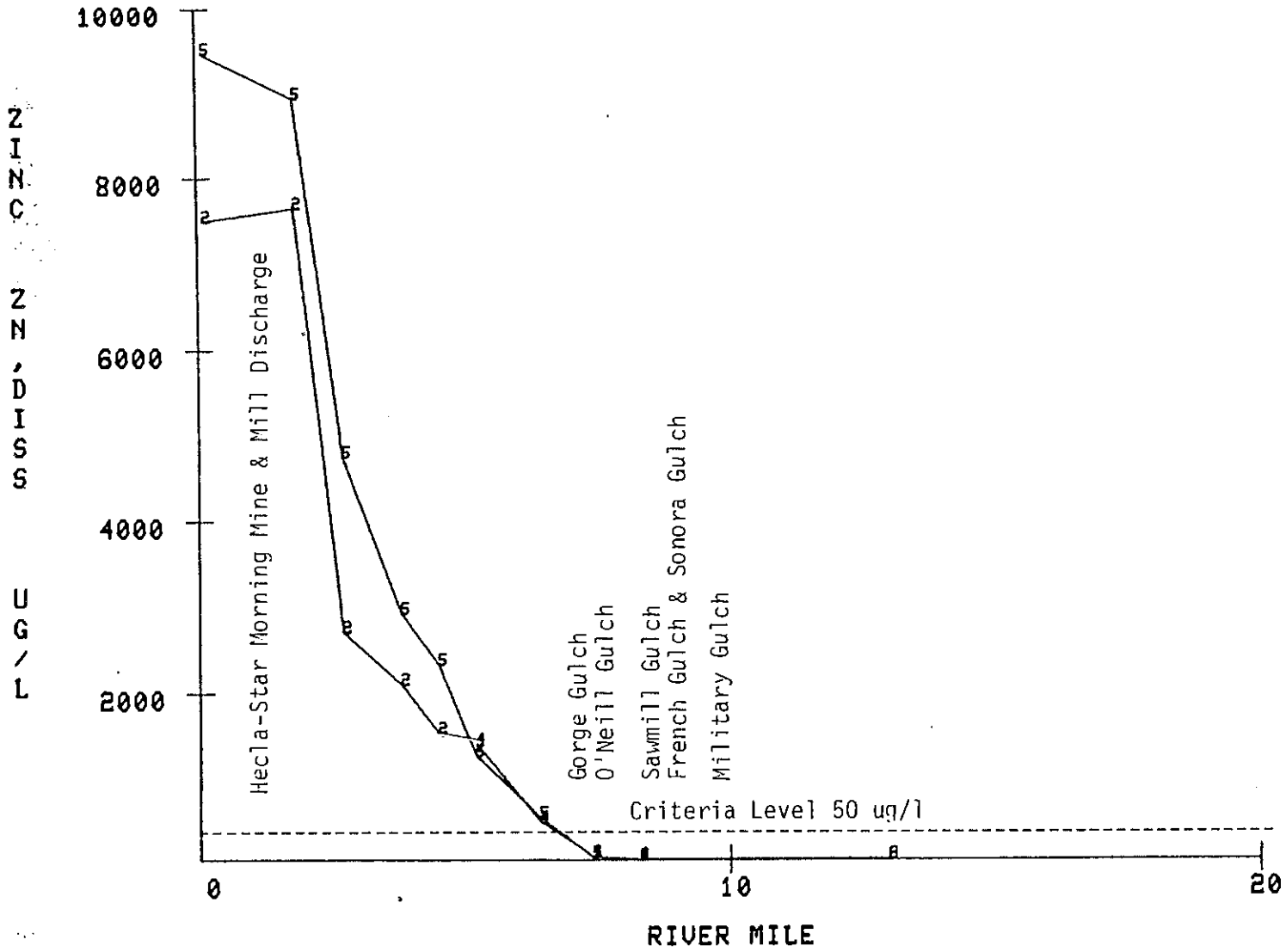

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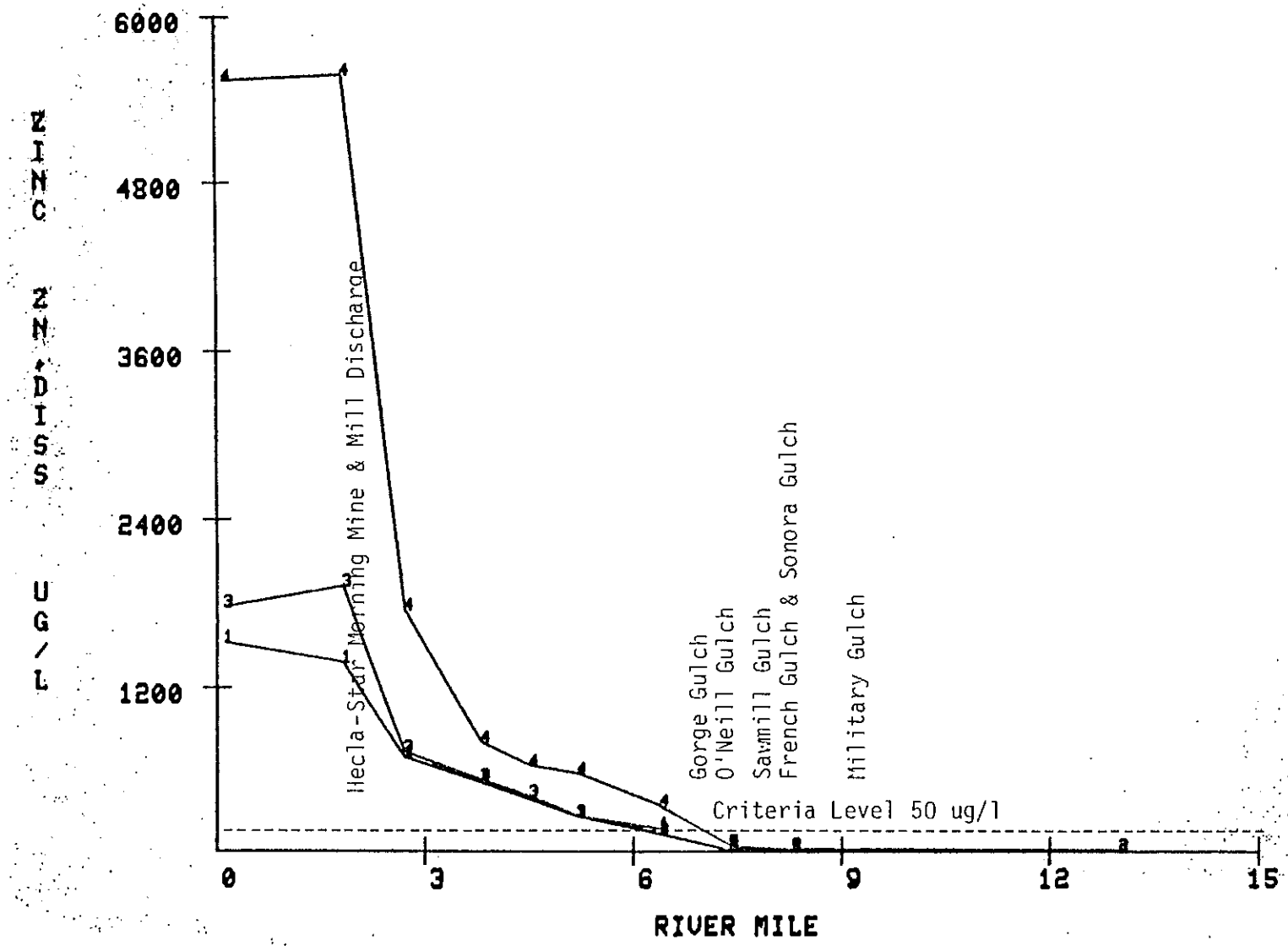

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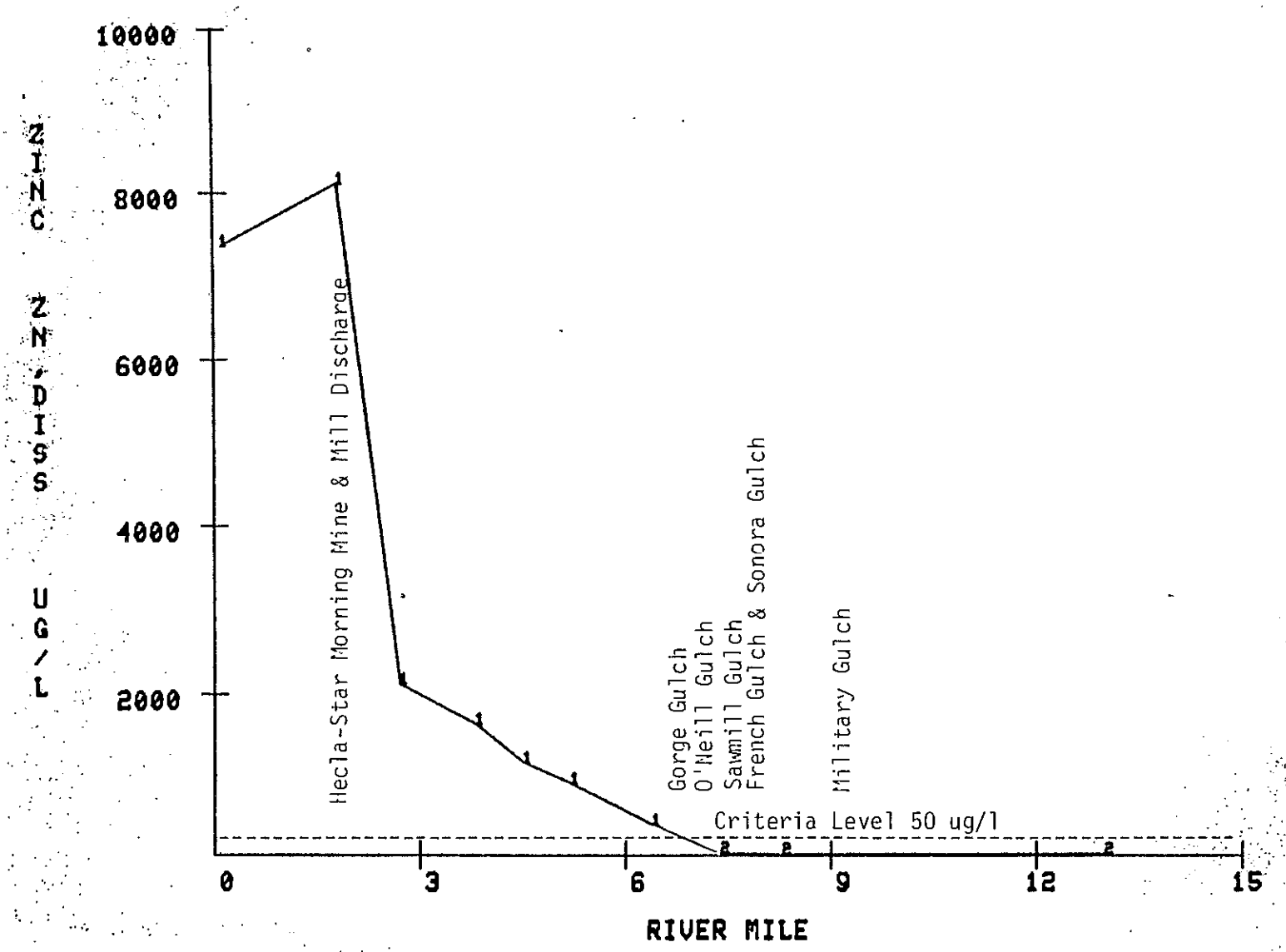

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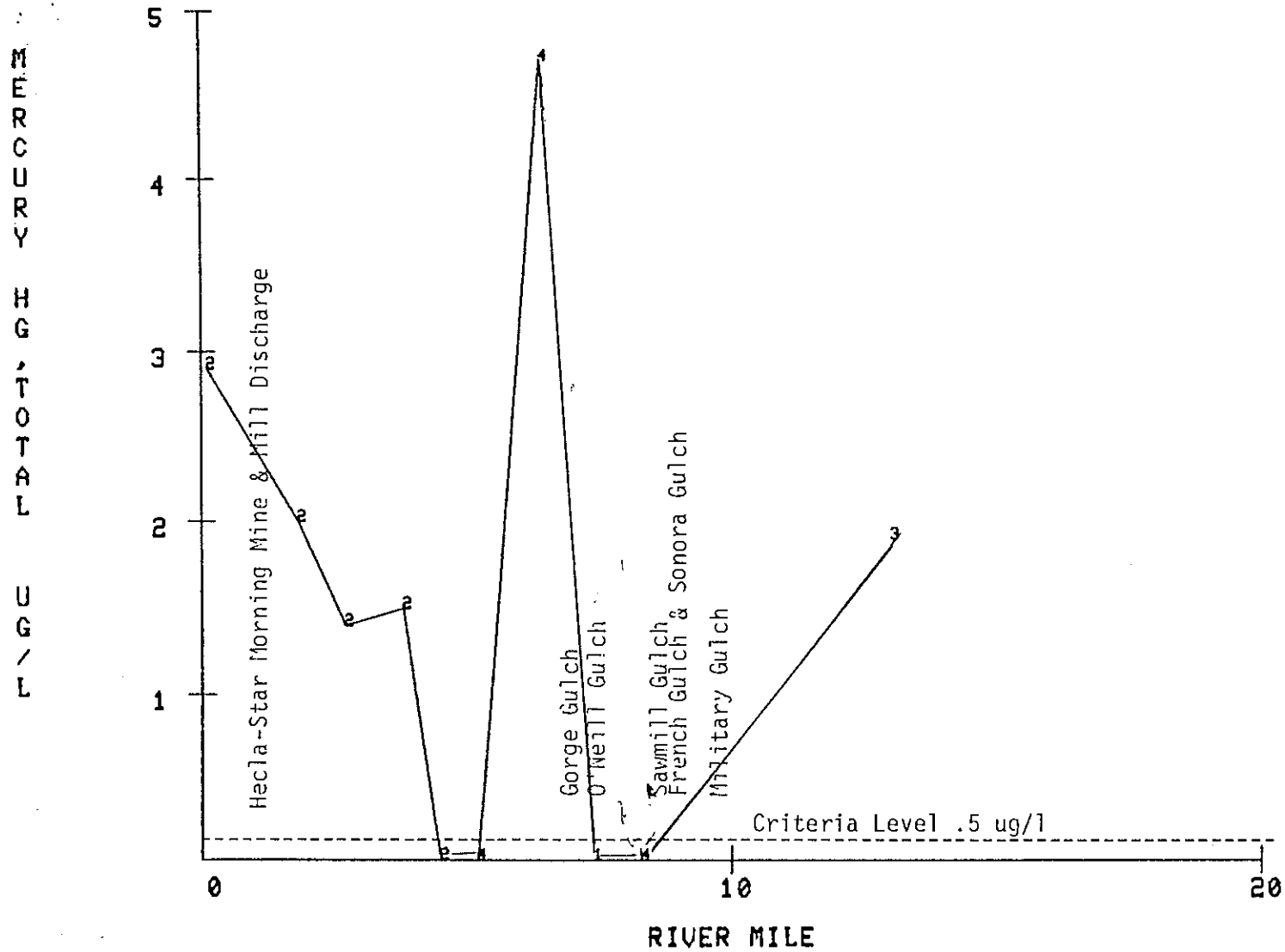
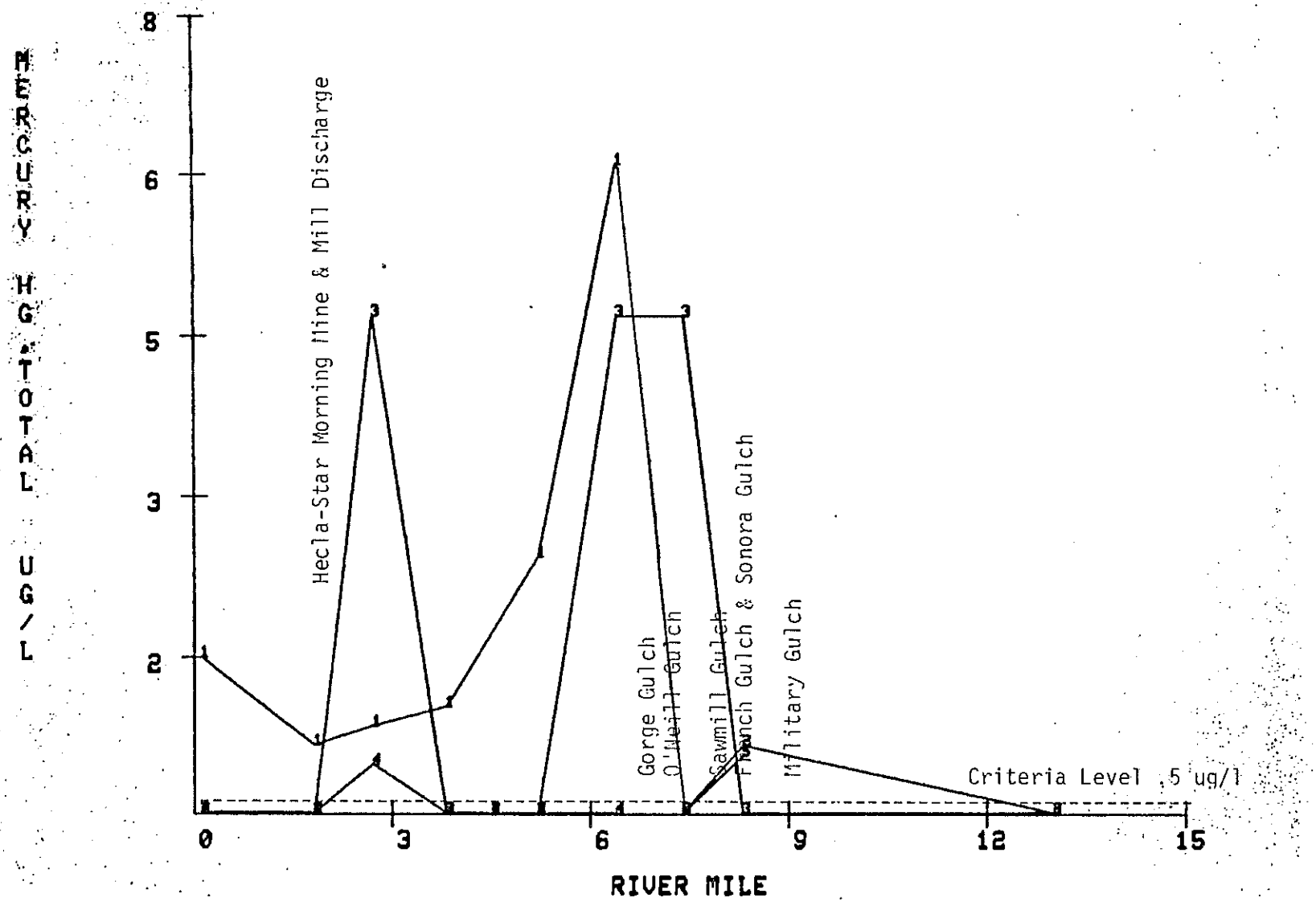
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