CAMAS CREEK STUDY

Camas County

Data Collected 1979

Final Summary October 1980

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

Water Quality Summary
No. 16

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TABLE OF CONTENTS

Summary

Data Inventory

Graphics

SUMMARY OF CAMAS CREEK STUDY

The National Eutrophication Survey on Magic Reservoir determined that Camas Creek in Camas County, Idaho, contributed roughly 45% of the total phosphorus load and 34% of the total nitrogen load into Magic Reservoir. From this finding a water quality study was conducted on Camas Creek in Water Year 1979 to determine the nutrient sources on Camas Creek. The study provided approximately bi-monthly monitoring on four mainstem stations, fourteen tributary stations, and the City of Fairfield sewage treatment plant outfall. The major parameter categories to be examined in the study were as follows:

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

During the 1979 study on Camas Creek the major stream water quality problems were trophic concentrations of nutrients. Some sporadic bacteria violations were also noted, but turbidity and suspended sediment levels were not high enough for concern. Phosphorus concentrations as high as twice the algal bloom potential were observed on several intermittent tributaries and on Camas Creek from below Three Mile Creek south of Fairfield to near its mouth. Generally during nonrunoff periods, inorganic nitrogen concentrations were greatly above trophic levels on some of the tributaries and near the mouth of Camas Creek.

The City of Fairfield lagoon system discharges to an overgrown drain ditch approximately one half mile from Soldier Creek. With the natural pollutant removal provided in the overgrown drain, the Fairfield discharge is immeasurable in Soldier Creek. Secondary treatment should be adequate for the Fairfield facility.

The runoff during 1979 was abnormally low on Camas Creek, and water quality problems were not as pronounced as conditions during a normal water year. However, field observations indicate that the major pollution sources in the Camas Creek drainage are agricultural nonpoint sources. Many of the intermittent streams which drain into the stream from the north run directly over cultivated fields. Grass or hay waterways would reduce sediment and nutrient sources from these streams. Other erosion control or best management practices would also reduce the impact of nonpoint sources. A stream channel stability analysis should also be conducted on the stream to determine channel contributions to water quality problems.

DATA INVENTORY

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

2060057
43 16 45.0 115 02 50.0 2
CAMAS CR SOUTH OF HILL CITY
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
211DSURV 791006
0000 CLASS 00

/TYPA/AMOUNT/STREAM

INDEX 1310001 002740 08090 0250
MILES 0324.30 0571.20 065.00 046.10

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	3	2.83333	13.5833	3.68556	1.30078	2.12786	7.00000	.000000	78/11/01	79/04/09
00042	ALTITUDE	FEET	AB MSL	1	5060.00					5060.00	5060.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	3	.866666	2.25333	1.50111	1.73205	.866666	2.60000	.000000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	3	2.36667	2.20334	1.48436	.627196	.856998	4.00000	1.10000	78/11/01	79/04/09
00095	CNDUCTVY	AT 25C	MICROMHO	3	114.667	284.350	16.8627	.147058	9.73567	134.000	103.000	78/11/01	79/04/09
00116	ININSVE	SURVEY	IDENT	6	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	3	7.80000	6.84010	2.61536	.335303	1.50998	9.60000	4.80000	78/11/01	79/04/09
00335	COD	LOWLEVEL	MG/L	2	27.9000	414.720	20.3647	.729917	14.4000	42.3000	13.5000	78/11/01	79/04/09
00400	PH		SU	3	8.26666	.063431	.251855	.030466	.145408	8.50000	8.00000	78/11/01	79/04/09
00403	LAB	PH	SU	1	6.80000					6.80000	6.80000	79/03/15	79/03/15
00500	RESIDUE	TOTAL	MG/L	3	131.000	3121.00	55.8659	.426457	32.2542	195.000	92.0000	78/11/01	79/04/09
00610	NH3+NH4-	N TOTAL	MG/L	3	.040000	.000733	.027074	.676851	.015631	.059000	.009000	78/11/01	79/04/09
00625	TOT KJEL	N	MG/L	3	1.10000	.030001	.173207	.157461	.100001	1.20000	.900000	78/11/01	79/04/09
00630	NO2&NO3	N-TOTAL	MG/L	3	.024667	.000320	.017898	.725592	.010333	.040000	.005000	78/11/01	79/04/09
00665	PHOS-TOT		MG/L P	3	.073333	.001733	.041633	.567729	.024037	.120000	.040000	78/11/01	79/04/09
00900	TOT HARD	CACO3	MG/L	1	36.0000					36.0000	36.0000	79/03/15	79/03/15
00940	CHLORIDE	CL	MG/L	3	6.36666	19.0234	4.36159	.685066	2.51816	10.9000	2.20000	78/11/01	79/04/09
31501	TOT COLI	MFIMENDO	/100ML	3	530.000	235900	485.695	.916406	280.416	1000.00	30.0000	78/11/01	79/04/09
31616	FEC COLI	MFM-FCBR	/100ML	3	72.6667	12224.3	110.564	1.52152	63.8340	200.000	1.00000	78/11/01	79/04/09
31679	FECSTREP	MF M-ENT	/100ML	3	113.333	9233.35	96.0903	.847856	55.4777	200.000	10.0000	78/11/01	79/04/09
70300	RESIDUE	DISS-180	C MG/L	1	86.0000					86.0000	86.0000	79/03/15	79/03/15
70507	PHOS-I	ORTHO	MG/L P	3	.007667	.000042	.006506	.848663	.003756	.014000	.001000	78/11/01	79/04/09
80154	SUSP SED	CONC	MG/L	3	7.00000	7.00000	2.64575	.377964	1.52752	9.00000	4.00000	78/11/01	79/04/09

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

2060058
43 17 20.0 114 48 00.0 2
CAMAS CR BELOW THREE MILE CR
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250
MILES 0324.30 0571.20 065.00 031.60

PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER	TEMP	CENT	3	5.16667	27.5833	5.25198	1.01651	3.03223	10.5000	.000000	78/11/01	79/04/09
00042 ALTITUDE	FEET	AB MSL	1	5040.00					5040.00	5040.00	01/01/01	01/01/01
00061 STREAM	FLOW,	INST-CFS	4	38.2950	5204.30	72.1408	1.88382	36.0704	146.400	.000000	78/11/01	79/06/18
00076 TURB	TRBIDMTR	HACH FTU	3	8.66666	1.56351	1.25041	.144278	.721922	10.1000	7.80000	78/11/01	79/04/09
00095 CNDUCTVY	AT 25C	MICROMHO	3	158.667	1144.37	33.8286	.213205	19.5309	197.000	133.000	78/11/01	79/04/09
00116 INTNSVE	SURVEY	IDENT	6	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300 DO		MG/L	3	10.0667	1.02356	1.01171	.100501	.584112	10.7000	8.9000	78/11/01	79/04/09
00335 COD	LOWLEVEL	MG/L	3	22.1667	241.224	15.5314	.700664	8.96705	36.7000	5.80000	78/11/01	79/04/09
00400 PH		SU	3	8.36666	.023468	.153193	.018310	.088446	8.50000	8.2000	78/11/01	79/04/09
00403 LAB	PH	SU	2	7.80000	.320007	.565692	.072525	.400005	8.20000	7.4000	79/03/15	79/04/09
00500 RESIDUE	TOTAL	MG/L	3	172.000	4432.00	66.5733	.387054	38.4361	248.000	124.000	78/11/01	79/04/09
00610 NH3+NH4-	N TOTAL	MG/L	3	.081667	.004849	.069637	.852700	.040205	.141000	.0050	78/11/01	79/04/09
00625 TOT KJEL	N	MG/L	3	.866666	.043334	.208168	.240194	.120186	1.10000	.7000	78/11/01	79/04/09
00630 NO2&NO3	N-TOTAL	MG/L	3	.135000	.013723	.117145	.867742	.067634	.218000	.0010	78/11/01	79/04/09
00665 PHOS-TOT		MG/L P	3	.166667	.007233	.085049	.510295	.049103	.230000	.070	78/11/01	79/04/09
00940 CHLORIDE	CL	MG/L	3	5.70000	21.0900	4.59239	.805683	2.65142	10.9000	2.20000	78/11/01	79/04/09
31501 TOT COLI	MFIMENDO	/100ML	3	136.667	31033.3	176.730	1.29314	102.035	340.000	20.0000	78/11/01	79/04/09
31616 FEC COLI	MFM-FCBR	/100ML	3	19.0000	211.000	14.5258	.764518	8.38650	33.0000	4.00000	78/11/01	79/04/09
31679 FECSTREP	MF M-ENT	/100ML	3	76.0000	481.000	21.9317	.288575	12.6623	100.000	57.0000	78/11/01	79/04/09
70300 RESIDUE	DISS-180	C MG/L	1	103.000					103.000	103.000	79/03/15	79/03/15
70507 PHOS-T	ORTHO.	MG/L P	3	.052000	.000036	.006000	.115384	.003464	.058000	.046000	78/11/01	79/04/09
80154 SUSP SED	CONC	MG/L	3	33.3333	937.334	30.6159	.918477	17.6761	68.0000	10.0000	78/11/01	79/04/09

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

2060059
43 17 20.0 114 42 10.0 2
CAMAS CR. AT HWY 46 BRIDGE BELOW SOLDIER CR.
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250
MILES 0324.30 0571.20 065.00 023.90

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	2	4.35000	29.6450	5.44472	1.25166	3.85000	8.20000	.500000	79/03/15	79/04/09
00042	ALTITUDE	FEET	ABV MSL	1	5000.00					5000.00	5000.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	3	69.2667	14393.6	119.973	1.73205	69.2666	207.800	.000000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	2	8.39999	.720200	.848646	.101029	.600083	9.00000	7.80000	79/03/15	79/04/09
00095	CNDUCTVY	AT 25C	MICROMHO	2	142.500	12.5000	3.53553	.024811	2.50000	145.000	140.000	79/03/15	79/04/09
00116	INTNSVE	SURVEY	IDENT	5	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	2	9.14999	.845215	.919356	.100476	.650083	9.80000	8.50000	79/03/15	79/04/09
00335	COD	LOWLEVEL	MG/L	2	24.5000	60.5000	7.77817	.317476	5.50000	30.0000	19.0000	79/03/15	79/04/09
00400	PH		SU	2	8.35000	.125015	.353575	.042344	.250015	8.60000	8.10000	79/03/15	79/04/09
00500	RESIDUE	TOTAL	MG/L	2	193.000	8450.00	91.9239	.476290	65.0000	258.000	128.000	79/03/15	79/04/09
00610	NH3+NH4-	N TOTAL	MG/L	2	.063500	.000613	.024749	.389748	.017500	.081000	.046000	79/03/15	79/04/09
00625	TOT KJEL	N	MG/L	2	.849999	.405000	.636396	.748701	.450000	1.30000	.400000	79/03/15	79/04/09
00630	NO2&NO3	N-TOTAL	MG/L	2	.154000	.010082	.100409	.652009	.071000	.225000	.083000	79/03/15	79/04/09
00665	PHOS-TOT		MG/L P	2	.190000	.001800	.042426	.223297	.030000	.220000	.160000	79/03/15	79/04/09
00940	CHLORIDE	CL	MG/L	2	4.15000	1.44499	1.20208	.289657	.849998	5.00000	3.30000	79/03/15	79/04/09
31501	TOT COLI	MFIMENDO	/100ML	2	120.000	.000000	.000000		.000000	120.000	120.000	79/03/15	79/04/09
31616	FEC COLI	MFM-FCBR	/100ML	2	9.50000	40.5000	6.36396	.669891	4.50000	14.0000	5.00000	79/03/15	79/04/09
31679	FECSTREP	MF M-ENT	/100ML	2	192.000	43808.0	209.304	1.09012	148.000	340.000	44.0000	79/03/15	79/04/09
70300	RESIDUE	DISS-180	C MG/L	1	106.000					106.000	106.000	79/03/15	79/03/15
70507	PHOS-T	ORTHO	MG/L P	2	.051500	.000181	.013435	.260875	.009500	.061000	.042000	79/03/15	79/04/09
80154	SUSP SED	CONC	MG/L	2	30.5000	312.500	17.6777	.579596	12.5000	43.0000	18.0000	79/03/15	79/04/09

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

2060060
43 19 55.0 114 32 20.0 2
CAMAS CR. AT USGS GAGING STATION
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250
MILES 0324.30 0571.20 065.00 008.40

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	5	5.40000	12.4250	3.52491	.652762	1.57639	9.00000	.500000	78/11/01	79/06/18
00042	ALTITUDE	FEET	AB MSL	1	4860.00					4860.00	4860.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	5	95.8399	15314.9	123.754	1.29125	55.3443	273.000	4.60000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	5	4.74000	16.5930	4.07345	.859378	1.82170	10.3000	1.30000	78/11/01	79/06/18
00095	CNDUCTVY	AT 25C	MICROMHO	5	184.400	2064.83	45.4404	.246423	20.3215	223.000	116.000	78/11/01	79/06/18
00116	INTNSVE	SURVEY	IDENT	6	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	5	10.6800	1.65210	1.28534	.120350	.574822	12.6000	9.40000	78/11/01	79/06/18
00335	COD	LOWLEVEL	MG/L	5	13.8000	106.935	10.3409	.749344	4.62461	25.6000	3.10000	78/11/01	79/06/18
00400	PH		SU	5	8.13999	.343140	.585781	.071963	.261969	9.00000	7.40000	78/11/01	79/06/18
00403	LAB	PH	SU	3	7.59333	.096184	.310135	.040843	.179057	7.90000	7.28000	79/03/15	79/06/18
00410	T ALK	CACO3	MG/L	3	92.0000	597.000	24.4336	.265582	14.1067	109.000	64.0000	78/11/01	79/04/09
00425	HCO3 ALK	CACO3	MG/L	3	92.0000	597.000	24.4336	.265582	14.1067	109.000	64.0000	78/11/01	79/04/09
00430	CO3 ALK	CACO3	MG/L	3	1.00000	.000000	.000000		.000000	1.00000	1.00000	78/11/01	79/04/09
00500	RESIDUE	TOTAL	MG/L	5	166.400	2386.31	48.8499	.293569	21.8463	247.000	114.000	78/11/01	79/06/18
00610	NH3+NH4-	N TOTAL	MG/L	5	.073000	.009702	.098499	1.34930	.044050	.246000	.004000	78/11/01	79/06/18
00625	TOT KJEL	N	MG/L	5	.753999	.039581	.198949	.263859	.088973	.970000	.500000	78/11/01	79/06/18
00630	NO2&NO3	N-TOTAL	MG/L	5	.757600	.213088	.461615	.609312	.206440	1.37000	.252000	78/11/01	79/06/18
00665	PHOS-TOT		MG/L P	5	.108000	.005270	.072595	.672172	.032465	.200000	.030000	78/11/01	79/06/18
00900	TOT HARD	CACO3	MG/L	3	81.6667	432.336	20.7927	.254604	12.0047	97.0000	58.0000	78/11/01	79/04/09
00916	CALCIUM	CA-TOT	MG/L	3	23.4667	42.4536	6.51564	.277655	3.76181	28.0000	16.0000	78/11/01	79/04/09
00927	MGNSIUM	MG,TOT	MG/L	3	4.96667	.463333	.680686	.137051	.392994	5.50000	4.20000	78/11/01	79/04/09
00929	SODIUM	NA,TOT	MG/L	3	10.4667	3.61353	1.90093	.181617	1.09750	12.4000	8.60000	78/11/01	79/04/09
00937	PTSSIUM	K,TOT	MG/L	3	1.96667	.003335	.057749	.029364	.033342	2.00000	1.90000	78/11/01	79/04/09
00940	CHLORIDE	CL	MG/L	5	6.24000	12.9530	3.59903	.576768	1.60954	11.9000	3.00000	78/11/01	79/06/18
00945	SULFATE	SO4-TOT	MG/L	3	11.3333	5.33350	2.30944	.203774	1.33335	14.0000	10.0000	78/11/01	79/04/09
00951	FLOORIDE	F,TOTAL	MG/L	3	.333333	.000933	.030550	.091651	.017638	.360000	.300000	78/11/01	79/04/09
00956	SILICA	TOTAL	MG/L	3	25.1333	19.8533	4.45570	.177282	2.57250	28.0000	20.0000	78/11/01	79/04/09
01002	ARSENIC	AS,TOT	UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/01/31	79/04/09
01022	BORON	B,TOT	UG/L	2	105.000	50.0000	7.07107	.067343	5.00000	110.000	100.000	79/01/31	79/04/09
01027	CADMIUM	CD,TOT	UG/L	2	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/01/31	79/04/09
01034	CHROMIUM	CR,TOT	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/01/31	79/04/09
01042	COPPER	CU,TOT	UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	79/01/31	79/04/09
01045	IRON	FE,TOT	UG/L	3	465.000	181075.	425.529	.915116	245.679	930.000	95.0000	78/11/01	79/04/09
01051	LEAD	PB,TOT	UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	79/01/31	79/04/09
01055	MANGNESE	MN	UG/L	2	42.5000	312.500	17.6777	.415945	12.5000	55.0000	30.0000	79/01/31	79/04/09
01092	ZINC	ZN,TOT	UG/L	2	4.00000	2.00000	1.41421	.353553	1.00000	5.00000	3.00000	79/01/31	79/04/09
01501	ALPHA	TOTAL	PC/L	3	4.72333	1.78664	1.33665	.282989	.771716	5.90000	3.27000	78/11/01	79/04/09
03501	BETA	TOTAL	PC/L	3	3.22667	5.25613	2.29263	.710525	1.32365	5.58000	1.00000	78/11/01	79/04/09
31501	TOT COLI	MFIMENDO	/100ML	5	111.400	9907.31	99.5355	.893496	44.5136	255.000	23.0000	78/11/01	79/06/18

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

2060060
43 19 55.0 114 32 20.0 2
CAMAS CR. AT USGS GAGING STATION
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250
MILES 0324.30 0571.20 065.00 008.40

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
31616	FEC COLI	MFM-FCBR	/100ML	5	34.4000	1815.80	42.6122	1.23873	19.0568	108.000	5.00000	78/11/01	79/06/18
31679	FECSTREP	MF M-ENT	/100ML	5	133.800	30472.2	174.563	1.30465	78.0669	400.000	6.00000	78/11/01	79/06/18
70300	RESIDUE	DISS-180 C	MG/L	1	86.0000					86.0000	86.0000	79/03/15	79/03/15
70507	PHOS-T	ORTHO	MG/L P	5	.041400	.000647	.025442	.614543	.011378	.078000	.007000	78/11/01	79/06/18
71900	MERCURY	HG,TOTAL	UG/L	1	.600000					.600000	.600000	79/04/09	79/04/09
80154	SUSP SED	CONC	MG/L	5	15.2000	342.700	18.5122	1.21790	8.27889	47.0000	3.00000	78/11/01	79/06/18

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

2060063
43 18 50.0 114 57 00.0 2
CHIMNEY CK ONE MILE FROM MOUTH
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
211DSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0240
MILES 0324.30 0571.20 065.00 040.70 001.00

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	3	8.56667	58.0633	7.67224	.895593	4.42957	17.0000	2.00000	78/11/01	79/06/18
00042	ALTITUDE	FEET	AB MSL	1	5060.00					5060.00	5060.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	4	4.16000	56.4158	7.51104	1.80554	3.75552	15.4000	.000000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	3	3.26667	1.26334	1.12398	.344076	.648931	4.50000	2.30000	78/11/01	79/06/18
00095	CNDUCTVY	AT 25C	MICROMHO	3	199.000	171.000	13.0767	.065712	7.54983	208.000	184.000	78/11/01	79/06/18
00116	INTNSVE	SURVEY	IDENT	5	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	3	9.16666	.853523	.923863	.100785	.533393	9.70000	8.10000	78/11/01	79/06/18
00335	COD	LOWLEVEL	MG/L	3	24.5666	78.7439	8.87378	.361212	5.12328	34.8000	19.0000	78/11/01	79/06/18
00400	PH		SU	3	8.49999	.210190	.458465	.053937	.264695	9.00000	8.10000	78/11/01	79/06/18
00403	LAB	PH	SU	1	7.50000					7.50000	7.50000	79/06/18	79/06/18
00500	RESIDUE	TOTAL	MG/L	3	184.000	1956.00	44.2267	.240362	25.5343	234.000	150.000	78/11/01	79/06/18
00610	NH3+NH4-	N TOTAL	MG/L	3	.054333	.004529	.067300	1.23866	.038856	.131000	.005000	78/11/01	79/06/18
00625	TOT KJEL	N	MG/L	3	.746666	.202534	.450037	.602729	.259829	1.20000	.300000	78/11/01	79/06/18
00630	NO2&NO3	N-TOTAL	MG/L	3	.185333	.072785	.269788	1.45569	.155762	.490000	.010000	78/11/01	79/06/18
00665	PHOS-TOT		MG/L P	3	.160000	.001300	.036056	.225348	.020817	.190000	.120000	78/11/01	79/06/18
00940	CHLORIDE	CL	MG/L	3	7.30000	5.07010	2.25169	.308450	1.30001	9.90000	6.00000	78/11/01	79/06/18
31501	TOT COLI	MFIMENDO	/100ML	3	146.667	31633.3	177.858	1.21267	102.686	350.000	20.0000	78/11/01	79/06/18
31616	FEC COLI	MFM-FCBR	/100ML	3	19.0000	772.000	27.7849	1.46236	16.0416	51.0000	1.00000	78/11/01	79/06/18
31679	FECSTREP	MF M-ENT	/100ML	3	88.6667	9492.34	97.4287	1.09882	56.2505	200.000	19.0000	78/11/01	79/06/18
70507	PHOS-T	ORTHO	MG/L P	3	.066333	.000841	.029006	.437273	.016746	.095000	.037000	78/11/01	79/06/18
80154	SUSP SED	CONC	MG/L	3	8.33333	16.3334	4.04146	.484975	2.33334	13.0000	6.00000	78/11/01	79/06/18

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

2060064
43 18 25.0 114 54 30.0 2
CORRAL CR ONE MILE FROM MOUTH
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
211DSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0220
MILES 0324.30 0571.20 065.00 038.10 001.00

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	2	4.35000	22.4450	4.73762	1.08911	3.35000	7.70000	1.00000	78/11/01	79/04/09
00042	ALTITUDE	FEET	AB MSL	1	5060.00					5060.00	5060.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	4	7.01250	98.9372	9.94672	1.41843	4.97336	21.1000	.00000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	2	8.70000	5.78911	2.40419	.276343	1.70002	10.4000	7.0000	78/11/01	79/04/09
00095	CNDUCTVY	AT 25C	MICROMHO	2	136.500	40.5000	6.36396	.046622	4.50000	141.000	132.000	78/11/01	79/04/09
00116	INTNSVE	SURVEY	IDENT	5	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	2	10.2500	4.20528	2.05068	.200066	1.45005	11.7000	8.8000	78/11/01	79/04/09
00335	COD	LOWLEVEL	MG/L	2	15.0000	25.9199	5.09116	.339411	3.59999	18.6000	11.4000	78/11/01	79/04/09
00400	PH		SU	2	8.39999	.080185	.283169	.033711	.200231	8.60000	8.20000	78/11/01	79/04/09
00500	RESIDUE	TOTAL	MG/L	2	185.000	11858.0	108.894	.588619	77.0000	262.000	108.000	78/11/01	79/04/09
00610	NH3+NH4-	N TOTAL	MG/L	2	.092000	.010368	.101823	1.10678	.072000	.164000	.020000	78/11/01	79/04/09
00625	TOT KJEL	N	MG/L	2	1.10000	.020001	.141426	.128569	.100003	1.20000	1.00000	78/11/01	79/04/09
00630	NO2&NO3	N-TOTAL	MG/L	2	.607500	.093745	.306179	.503998	.216501	.824000	.391000	78/11/01	79/04/09
00665	PHOS-TOT		MG/L P	2	.165000	.008450	.091924	.557114	.065000	.230000	.100000	78/11/01	79/04/09
00940	CHLORIDE	CL	MG/L	2	7.95000	7.60500	2.75772	.346882	1.95000	9.90000	6.00000	78/11/01	79/04/09
31501	TOT COLI	MFIMENDO	/100ML	2	280.000	105800	325.269	1.16167	230.000	510.000	50.0000	78/11/01	79/04/09
31616	FEC COLI	MFM-FCBR	/100ML	2	112.500	15312.5	123.744	1.09994	87.5000	200.000	25.0000	78/11/01	79/04/09
31679	FECSTREP	MF M-ENT	/100ML	2	115.000	14450.0	120.208	1.04529	85.0000	200.000	30.0000	78/11/01	79/04/09
70507	PHOS-T	ORTHO	MG/L P	2	.045000	.001058	.032527	.722821	.023000	.068000	.022000	78/11/01	79/04/09
80154	SUSP SED	CONC	MG/L	2	35.5000	1300.50	36.0624	1.01584	25.5000	61.0000	10.0000	78/11/01	79/04/09

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

2060065
43 18 50.0 114 53 50.0 2
LANSING CR 1.5 MI. FROM MOUTH
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
211DSURV 791006
0000 CLASS 00

/TYPA/AMOUNT/STREAM

INDEX 1310001 002740 08090 0250 0200
MILES 0324.30 0571.20 065.00 036.60 001.50

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	2	5.00000	32.0000	5.65685	1.13137	4.00000	9.00000	1.00000	78/11/01	79/04/09
00042	ALTITUDE	FEET	AB MSL	1	5060.00					5060.00	5060.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	4	1.20500	2.45230	1.56598	1.29957	.782991	3.29000	.000000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	2	8.70000	3.38010	1.83850	.211322	1.30002	10.0000	7.40000	78/11/01	79/04/09
00095	CNDUCTVY	AT 25C	MICROMHO	2	196.000	3872.00	62.2254	.317476	44.0000	240.000	152.000	78/11/01	79/04/09
00116	INTNSVE	SURVEY	IDENT	5	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	2	9.85000	5.44505	2.33346	.236900	1.65001	11.5000	8.20000	78/11/01	79/04/09
00335	COD	LOWLEVEL	MG/L	2	18.7000	81.9209	9.05102	.484012	6.40004	25.1000	12.3000	78/11/01	79/04/09
00400	PH		SU	2	8.25000	.125000	.353553	.042855	.250000	8.50000	8.00000	78/11/01	79/04/09
00500	RESIDUE	TOTAL	MG/L	2	192.500	15664.5	125.158	.650171	88.5000	281.000	104.000	78/11/01	79/04/09
00610	NH3+NH4-	N TOTAL	MG/L	2	.038500	.002244	.047376	1.23055	.033500	.072000	.005000	78/11/01	79/04/09
00625	TOT KJEL	N	MG/L	2	1.02500	.001250	.035359	.034497	.025003	1.05000	1.00000	78/11/01	79/04/09
00630	NO2&NO3	N-TOTAL	MG/L	2	.165000	.043218	.207889	1.25994	.147000	.312000	.018000	78/11/01	79/04/09
00665	PHOS-TOT		MG/L P	2	.165000	.004050	.063640	.385695	.045000	.210000	.120000	78/11/01	79/04/09
00940	CHLORIDE	CL	MG/L	2	9.95000	1.80511	1.34355	.135030	.950031	10.9000	9.00000	78/11/01	79/04/09
31501	TOT COLI	MFIMENDO	/100ML	2	430.000	352800	593.970	1.38132	420.000	850.000	10.0000	78/11/01	79/04/09
31616	FEC COLI	MFM-FCBR	/100ML	2	7.50000	12.5000	3.53553	.471404	2.50000	10.0000	5.00000	78/11/01	79/04/09
31679	FECSTREP	MF M-ENT	/100ML	2	44.0000	882.000	29.6985	.674966	21.0000	65.0000	23.0000	78/11/01	79/04/09
70507	PHOS-T	ORTHO	MG/L P	2	.083500	.002664	.051619	.618189	.036500	.120000	.047000	78/11/01	79/04/09
80154	SUSP SED	CONC	MG/L	2	15.0000	98.0000	9.89949	.659966	7.00000	22.0000	8.00000	78/11/01	79/04/09

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

2060066
43 17 50.0 114 50 10.0 2
THREE MILE CR NEAR MOUTH
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0180
MILES 0324.30 0571.20 065.00 033.30 000.30

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	2	10.5000	.500000	.707107	.067343	.500000	11.0000	10.0000	79/04/09	79/06/18
00042	ALTITUDE	FEET	AB MSL	1	5040.00					5040.00	5040.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	3	2.16667	13.4433	3.66651	1.69224	2.11686	6.40000	.000000	79/01/31	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	2	7.65000	13.0050	3.60624	.471404	2.55000	10.2000	5.10000	79/04/09	79/06/18
00095	CNDDCTVY	AT 25C	MICROMHO	2	262.500	24864.5	157.685	.600704	111.500	374.000	151.000	79/04/09	79/06/18
00116	INTNSVE	SURVEY	IDENT	4	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	2	10.6000	6.48003	2.54559	.240150	1.80000	12.4000	8.80000	79/04/09	79/06/18
00335	COD	LOWLEVEL	MG/L	2	24.8000	3.38086	1.83871	.074142	1.30016	26.1000	23.5000	79/04/09	79/06/18
00400	PH		SU	2	8.45000	.045074	.212307	.025125	.150124	8.60000	8.30000	79/04/09	79/06/18
00403	LAB	PH	SU	1	8.60000					8.60000	8.60000	79/06/18	79/06/18
00500	RESIDUE	TOTAL	MG/L	2	337.000	8712.00	93.3381	.276968	66.0000	403.000	271.000	79/04/09	79/06/18
00610	NH3+NH4-	N TOTAL	MG/L	2	.047500	.000481	.021920	.461482	.015500	.063000	.032000	79/04/09	79/06/18
00625	TOT KJEL	N	MG/L	2	1.19000	.115200	.339411	.285220	.240000	1.43000	.950000	79/04/09	79/06/18
00630	NO2&NO3	N-TOTAL	MG/L	2	1.50750	3.99032	1.99758	1.32509	1.41250	2.92000	.095000	79/04/09	79/06/18
00665	PHOS-TOT		MG/L P	2	.155000	.001250	.035355	.228098	.025000	.180000	.130000	79/04/09	79/06/18
00940	CHLORIDE	CL	MG/L	2	12.5000	144.500	12.0208	.961665	8.50000	21.0000	4.00000	79/04/09	79/06/18
31501	TOT COLI	MFIMENDO	/100ML	2	147.500	7612.50	88.3883	.599243	62.5000	210.000	85.0000	79/04/09	79/06/18
31616	FEC COLI	MFM-FCBR	/100ML	2	44.5000	3784.50	61.5183	1.38243	43.5000	88.0000	1.00000	79/04/09	79/06/18
31679	FECSTREP	MF M-ENT	/100ML	2	385.000	54450.0	233.345	.606091	165.000	550.000	220.000	79/04/09	79/06/18
70507	PHOS-T	ORTHO	MG/L P	2	.040000	.001568	.039598	.989950	.028000	.068000	.012000	79/04/09	79/06/18
80154	SUSP SED	CONC	MG/L	2	35.5000	264.500	16.2635	.458126	11.5000	47.0000	24.0000	79/04/09	79/06/18

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

2060067
43 7 55.0 114 48 25.0 2
EAS FORK OF THREE MILE CR NEAR MOUTH
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
211-SURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0160
MILES 0324.30 0571.20 065.00 032.00 000.70

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	1	10.0000					10.0000	10.0000	79/04/09	79/04/09
00042	ALTITUDE	FEET	AB MSL	1	5040.00					5040.00	5040.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	3	2.30000	15.8700	3.98372	1.73205	2.30000	6.90000	.000000	79/01/31	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	1	10.7000					10.7000	10.7000	79/04/09	79/04/09
00095	CNDUCTVY	AT 25C	MICROMHO	1	135.000					135.000	135.000	79/04/09	79/04/09
00116	INTNSVE	SURVEY	IDENT	4	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	1	10.4000					10.4000	10.4000	79/04/09	79/04/09
00335	COD	LOWLEVEL	MG/L	1	21.0000					21.0000	21.0000	79/04/09	79/04/09
00400	PH		SU	1	8.40000					8.40000	8.40000	79/04/09	79/04/09
00500	RESIDUE	TOTAL	MG/L	1	228.000					228.000	228.000	79/04/09	79/04/09
00610	NH3+NH4-	N TOTAL	MG/L	1	.075000					.075000	.075000	79/04/09	79/04/09
00625	TOT KJEL	N	MG/L	1	1.31000					1.31000	1.31000	79/04/09	79/04/09
00630	NO2&NO3	N-TOTAL	MG/L	1	.460000					.460000	.460000	79/04/09	79/04/09
00665	PHOS-TOT		MG/L P	1	.180000					.180000	.180000	79/04/09	79/04/09
00940	CHLORIDE	CL	MG/L	1	6.00000					6.00000	6.00000	79/04/09	79/04/09
31501	TOT COLI	MFIMENDO	/100ML	1	420.000					420.000	420.000	79/04/09	79/04/09
31616	FEC COLI	MFM-FCBR	/100ML	1	1.00000					1.00000	1.00000	79/04/09	79/04/09
31679	FECSTREP	MF M-ENT	/100ML	1	34.0000					34.0000	34.0000	79/04/09	79/04/09
70507	PHOS-T	ORTHO	MG/L P	1	.049000					.049000	.049000	79/04/09	79/04/09
80154	SUSP SED	CONC	MG/L	1	77.0000					77.0000	77.0000	79/04/09	79/04/09

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

2060068
43 22 15.0 114 47 15.0 2
SOLDIER CR ABOVE FAIRFIELD EFFLUENT
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0140
MILES 0324.30 0571.20 065.00 027.30 006.50

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	3	5.16667	21.5833	4.64579	.899185	2.68225	9.00000	.000000	79/03/15	79/06/18
00042	ALTITUDE	FEET	AB MSL	1	5100.00					5100.00	5100.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	3	18.2133	804.811	28.3692	1.55761	16.3789	50.9000	.000000	79/01/31	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	3	2.06667	.223336	.472585	.228670	.272847	2.60000	1.70000	79/03/15	79/06/18
00095	CNDUCTVY	AT 25C	MICROMHO	3	101.667	626.348	25.0269	.246167	14.4493	126.000	76.0000	79/03/15	79/06/18
00116	INTNSVE	SURVEY	IDENT	5	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	3	10.3000	1.29028	1.13591	.110282	.655816	11.6000	9.50000	79/03/15	79/06/18
00310	BOD	5 DAY	MG/L	3	.733333	.703333	.838650	1.14361	.484195	1.70000	.200000	79/03/15	79/06/18
00335	COD	LOWLEVEL	MG/L	3	8.43333	14.3635	3.78992	.449398	2.18811	12.5000	5.00000	79/03/15	79/06/18
00400	PH		SU	3	8.63333	.003563	.059690	.006914	.034462	8.70000	8.60000	79/03/15	79/06/18
00403	LAB	PH	SU	2	7.35000	.004974	.070529	.009596	.049872	7.40000	7.30000	79/03/15	79/06/18
00500	RESIDUE	TOTAL	MG/L	3	110.333	3140.35	56.0388	.507905	32.3540	175.000	76.0000	79/03/15	79/06/18
00610	NH3+NH4-	N TOTAL	MG/L	3	.031000	.000804	.028355	.914676	.016371	.063000	.009000	79/03/15	79/06/18
00625	TOT KJEL	N	MG/L	3	.460000	.159701	.399626	.868752	.230724	.890000	.100000	79/03/15	79/06/18
00630	NO2&NO3	N-TOTAL	MG/L	3	.257667	.078689	.280516	1.08868	.161956	.577000	.051000	79/03/15	79/06/18
00665	PHOS-TOT		MG/L P	3	.053333	.000133	.011547	.216511	.006667	.060000	.040000	79/03/15	79/06/18
00940	CHLORIDE	CL	MG/L	3	3.06667	.813339	.901853	.294082	.520685	4.00000	2.20000	79/03/15	79/06/18
31501	TOT COLI	MFIMENDO	/100ML	3	44.6667	1185.34	34.4287	.770792	19.8774	84.0000	20.0000	79/03/15	79/06/18
31616	FEC COLI	MFM-FCBR	/100ML	3	25.3333	937.334	30.6159	1.20852	17.6761	60.0000	2.00000	79/03/15	79/06/18
31679	FECSTREP	MF M-ENT	/100ML	3	177.000	56137.0	236.932	1.33860	136.793	450.000	25.0000	79/03/15	79/06/18
70300	RESIDUE	DISS-180	C MG/L	1	74.0000					74.0000	74.0000	79/03/15	79/03/15
70507	PHOS-T	ORTHO	MG/L P	3	.005333	.000034	.005859	1.09865	.003383	.012000	.001000	79/03/15	79/06/18
80154	SUSP SED	CONC	MG/L	3	9.33333	49.3335	7.02378	.752548	4.05518	16.0000	2.00000	79/03/15	79/06/18

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

2060069
43 19 40.0 114 46 55.0 2
SOLDIER CR BELOW FAIRFIELD EFFLUENT
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0140
MILES 0324.30 0571.20 065.00 027.30 003.20

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	3	6.33333	16.3334	4.04146	.638125	2.33334	10.0000	2.00000	79/03/15	79/06/18
00042	ALTITUDE	FEET	AB MSL	1	5040.00					5040.00	5040.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	3	15.0633	556.465	23.6319	1.56883	13.6439	42.3000	.000000	79/01/31	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	3	3.40000	13.2300	3.63731	1.06980	2.10000	7.60000	1.30000	79/03/15	79/06/18
00095	CNDUCTVY	AT 25C	MICROMHO	3	99.3333	550.348	23.4595	.236169	13.5443	125.000	79.0000	79/03/15	79/06/18
00116	INTNSVE	SURVEY	IDENT	5	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	3	9.99999	.160156	.400195	.040020	.231053	10.4000	9.60000	79/03/15	79/06/18
00310	BOD	5 DAY	MG/L	3	.966666	.173333	.416332	.430689	.240370	1.30000	.500000	79/03/15	79/06/18
00335	COD	LOWLEVEL	MG/L	3	10.0333	11.2234	3.35013	.333900	1.93420	13.4000	6.70000	79/03/15	79/06/18
00400	PH		SU	3	8.59999	.040207	.200517	.023316	.115768	8.80000	8.40000	79/03/15	79/06/18
00403	LAB	PH	SU	2	7.55000	.005005	.070745	.009370	.050024	7.60000	7.50000	79/03/15	79/06/18
00500	RESIDUE	TOTAL	MG/L	3	110.667	4756.35	68.9663	.623189	39.8177	190.000	65.0000	79/03/15	79/06/18
00610	NH3+NH4-	N TOTAL	MG/L	3	.021667	.000025	.005033	.232308	.002906	.027000	.017000	79/03/15	79/06/18
00615	NO2-N	TOTAL	MG/L	1	.001000					.001000	.001000	79/03/15	79/03/15
00625	TOT KJEL	N	MG/L	3	.363333	.171034	.413562	1.13825	.238770	.840000	.100000	79/03/15	79/06/18
00630	NO2&NO3	N-TOTAL	MG/L	3	.193333	.068254	.261255	1.35132	.150836	.495000	.041000	79/03/15	79/06/18
00665	PHOS-TOT		MG/L P	3	.070000	.001300	.036056	.515081	.020817	.100000	.030000	79/03/15	79/06/18
00940	CHLORIDE	CL	MG/L	3	3.40000	1.08001	1.03923	.305657	.600003	4.00000	2.20000	79/03/15	79/06/18
31501	TOT COLI	MFIMENDO	/100ML	3	325.000	169375	411.552	1.26631	237.610	800.000	75.0000	79/03/15	79/06/18
31616	FEC COLI	MFM-FCBR	/100ML	3	27.6667	582.334	24.1316	.872227	13.9324	48.0000	1.00000	79/03/15	79/06/18
31679	FECSTREP	MF M-ENT	/100ML	3	214.667	55105.4	234.745	1.09353	135.530	480.000	34.0000	79/03/15	79/06/18
70300	RESIDUE	DISS-180	C MG/L	1	71.0000					71.0000	71.0000	79/03/15	79/03/15
70507	PHOS-T	ORTHO	MG/L P	3	.014000	.000127	.011269	.804959	.006506	.021000	.001000	79/03/15	79/06/18
80154	SUSP SED	CONC	MG/L	3	23.3333	905.334	30.0888	1.28952	17.3717	58.0000	4.00000	79/03/15	79/06/18

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

2060070
43 17 55.0 114 45 35.0 2
SOLDIER CR. NEAR MOUTH
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0140
MILES 0324.30 0571.20 065.00 027.30 000.60

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	3	5.90000	22.0301	4.69362	.795529	2.70986	9.00000	.500000	79/03/15	79/06/18
00042	ALTITUDE	FEET	AB MSL	1	5020.00					5020.00	5020.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	3	15.9900	608.532	24.6684	1.54274	14.2423	44.4000	.000000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	3	4.00000	27.0400	5.20000	1.30000	3.00222	10.0000	.800000	79/03/15	79/06/18
00095	CNDUCTVY	AT 25C	MICROMHO	3	105.000	444.000	21.0713	.200679	12.1655	127.000	85.0000	79/03/15	79/06/18
00116	INTNSVE	SURVEY	IDENT	5	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	3	9.79999	.760254	.871925	.088972	.503406	10.8000	9.20000	79/03/15	79/06/18
00310	BOD	5 DAY	MG/L	3	1.10000	.280001	.529151	.481047	.305506	1.70000	.700000	79/03/15	79/06/18
00335	COD	LOWLEVEL	MG/L	3	12.5333	25.8235	5.08168	.405453	2.93391	16.0000	6.70000	79/03/15	79/06/18
00400	PH		SU	3	8.53332	.063522	.252036	.029536	.145513	8.80000	8.30000	79/03/15	79/06/18
00403	LAB	PH	SU	2	7.35000	.045013	.212164	.028866	.150022	7.50000	7.20000	79/03/15	79/06/18
00500	RESIDUE	TOTAL	MG/L	3	128.333	8430.35	91.8169	.715457	53.0105	234.000	68.0000	79/03/15	79/06/18
00535	RESIDUE	VOL NFLT	MG/L	1	81.0000					81.0000	81.0000	79/03/15	79/03/15
00610	NH3+NH4-	N TOTAL	MG/L	3	.038000	.000691	.026287	.691763	.015177	.057000	.008000	79/03/15	79/06/18
00625	TOT KJEL	N	MG/L	3	.443333	.139034	.372872	.841065	.215278	.840000	.100000	79/03/15	79/06/18
00630	NO2&NO3	N-TOTAL	MG/L	3	.224000	.074928	.273730	1.22201	.158038	.540000	.060000	79/03/15	79/06/18
00665	PHOS-TOT		MG/L P	3	.103333	.004433	.066583	.644354	.038442	.160000	.030000	79/03/15	79/06/18
00940	CHLORIDE	CL	MG/L	3	5.73333	21.6134	4.64902	.810876	2.68411	11.0000	2.20000	79/03/15	79/06/18
31501	TOT COLI	MFIMENDO	/100ML	3	170.000	43300.0	208.087	1.22404	120.139	410.000	40.0000	79/03/15	79/06/18
31616	FEC COLI	MFM-FCDR	/100ML	3	100.667	29800.3	172.628	1.71484	99.6667	300.000	1.00000	79/03/15	79/06/18
31679	FECSTREP	MF M-ENT	/100ML	3	327.000	80227.0	283.244	.866189	163.531	580.000	21.0000	79/03/15	79/06/18
70507	PHOS-T	ORTHO	MG/L P	3	.038667	.002244	.047374	1.22520	.027352	.093000	.006000	79/03/15	79/06/18
80154	SUSP SED	CONC	MG/L	3	26.3333	1436.33	37.8990	1.43920	21.8810	70.0000	2.00000	79/03/15	79/06/18

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

2060071
43 17 20.0 114 41 30.0 2
SPRING CR. NEAR MOUTH
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
211DSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0130
MILES 0324.30 0571.20 065.00 022.40 000.50

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	3	4.00000	7.0000	2.64575	.661438	1.52752	6.00000	1.00000	78/11/01	79/04/09
00061	STREAM	FLOW,	INST-CFS	4	13.9075	714.708	26.7340	1.92228	13.3670	54.0000	.000000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	3	19.5000	531.750	23.0597	1.18255	13.3135	46.0000	4.00000	78/11/01	79/04/09
00095	CNDUCTVY	AT 25C	MICROMHO	3	208.667	9897.37	99.4855	.476768	57.4380	272.000	94.0000	78/11/01	79/04/09
00116	INTNSVE	SURVEY	IDENT	4	791615	.000000	.000000		.000000	791615	791615	78/11/01	79/06/18
00300	DO		MG/L	3	10.1667	.803589	.896431	.088174	.517555	11.2000	9.60000	78/11/01	79/04/09
00335	COD	LOWLEVEL	MG/L	2	26.2000	278.480	16.6877	.636936	11.8000	38.0000	14.4000	78/11/01	79/03/15
00400	PH		SU	3	8.16666	.003510	.059241	.007254	.034203	8.20000	8.10000	78/11/01	79/04/09
00403	LAB	PH	SU	1	7.40000					7.40000	7.40000	79/03/15	79/03/15
00500	RESIDUE	TOTAL	MG/L	3	253.333	5545.37	74.4673	.293950	42.9937	338.000	198.000	78/11/01	79/04/09
00610	NH3+NH4-	N TOTAL	MG/L	3	.040000	.001161	.034073	.851837	.019672	.064000	.001000	78/11/01	79/04/09
00625	TOT KJEL	N	MG/L	3	.846666	.062534	.250069	.295357	.144377	1.10000	.600000	78/11/01	79/04/09
00630	NO2&NO3	N-TOTAL	MG/L	3	.076667	.004206	.064856	.845952	.037445	.119000	.002000	78/11/01	79/04/09
00665	PHOS-TOT		MG/L P	3	.193333	.021233	.145717	.753706	.084129	.360000	.090000	78/11/01	79/04/09
00940	CHLORIDE	CL	MG/L	3	7.36666	41.5634	6.44697	.875155	3.72216	14.8000	3.30000	78/11/01	79/04/09
31501	TOT COLI	MFIMENDO	/100ML	3	125.000	14425.0	120.104	.960833	69.3421	260.000	30.0000	78/11/01	79/04/09
31616	FEC COLI	MFM-FCBR	/100ML	3	44.6667	4058.34	63.7051	1.42623	36.7801	118.000	3.00000	78/11/01	79/04/09
31679	FECSTREP	MF M-ENT	/100ML	3	77.0000	13323.0	115.425	1.49903	66.6408	210.000	3.00000	78/11/01	79/04/09
70507	PHOS-T	ORTHO	MG/L P	3	.103000	.005488	.074081	.719233	.042771	.187000	.047000	78/11/01	79/04/09
80154	SUSP SED	CONC	MG/L	3	39.0000	2613.00	51.1175	1.31070	29.5127	98.0000	8.00000	78/11/01	79/04/09

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

2060072
43 18 20.0 114 41 30.0 2
POWELL CR ONE MILE FROM MOUTH
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0120
MILES 0324.30 0571.20 065.00 020.00 001.90

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	2	3.00000	18.0000	4.24264	1.41421	3.00000	6.00000	.000000	79/03/15	79/04/09
00042	ALTITUDE	FEET	AB MSL	1	5000.00					5000.00	5000.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	2	3.90000	30.4200	5.51543	1.41421	3.90000	7.80000	.000000	79/04/09	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	2	3.75000	4.20500	2.05061	.546830	1.45000	5.20000	2.30000	79/03/15	79/04/09
00095	CNDUCTVY	AT 25C	MICROMHO	2	136.000	200.000	14.1421	.103986	10.0000	146.000	126.000	79/03/15	79/04/09
00116	INTNSVE	SURVEY	IDENT	4	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	2	9.74999	.045273	.212774	.021823	.150454	9.90000	9.60000	79/03/15	79/04/09
00335	COD	LOWLEVEL	MG/L	2	20.7500	6.12500	2.47487	.119271	1.75000	22.5000	19.0000	79/03/15	79/04/09
00400	PH		SU	2	8.30000	.080139	.283089	.034107	.200174	8.50000	8.10000	79/03/15	79/04/09
00403	LAB	PH	SU	1	7.90000					7.90000	7.90000	79/03/15	79/03/15
00500	RESIDUE	TOTAL	MG/L	2	186.000	10368.0	101.823	.547437	72.0000	258.000	114.000	79/03/15	79/04/09
00610	NH3+NH4-	N TOTAL	MG/L	2	.057000	.000800	.028284	.496218	.020000	.077000	.037000	79/03/15	79/04/09
00625	TOT KJEL	N	MG/L	2	.595000	.174050	.417193	.701166	.295000	.890000	.300000	79/03/15	79/04/09
00630	NO2&NO3	N-TOTAL	MG/L	2	.046000	.000392	.019799	.430416	.014000	.060000	.032000	79/03/15	79/04/09
00665	PHOS-TOT		MG/L P	2	.100000	.000800	.028284	.282843	.020000	.120000	.080000	79/03/15	79/04/09
00940	CHLORIDE	CL	MG/L	2	4.10000	7.22002	2.68701	.655368	1.90000	6.00000	2.20000	79/03/15	79/04/09
31501	TOT COLI	MFIMENDO	/100ML	2	55.0000	50.0000	7.07107	.128565	5.00000	60.0000	50.0000	79/03/15	79/04/09
31616	FEC COLI	MFM-FCBR	/100ML	2	1.50000	.500000	.707107	.471404	.500000	2.00000	1.00000	79/03/15	79/04/09
31679	FECSTREP	MF M-FNT	/100ML	2	120.000	16200.0	127.279	1.06066	90.0000	210.000	30.0000	79/03/15	79/04/09
70300	RESIDUE	D1SS-180	C MG/L	1	102.000					102.000	102.000	79/03/15	79/03/15
70507	PHOS-T	ORTHO	MG/L P	2	.018500	.000004	.002121	.114665	.001500	.020000	.017000	79/03/15	79/04/09
80154	SUSP SED	CONC	MG/L	2	5.00000	18.0000	4.24264	.848528	3.00000	8.00000	2.00000	79/03/15	79/04/09

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

2060073
43 19 50.0 114 39 10.0 2
DEER CR ONE MILE FROM MOUTH
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE RIVER
21IDSURV 800524
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0100
MILES 0324.30 0571.20 065.00 0250 001.00

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	1	3.00000					3.00000	3.00000	79/04/09	79/04/09
00061	STREAM	FLOW,	INST-CFS	4	4.22500	71.4024	8.44999	2.00000	4.22500	16.9000	.000000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	1	17.0000					17.0000	17.0000	79/04/09	79/04/09
00095	CNDUCTVY	AT 25C	MICROMHO	1	130.000					130.000	130.000	79/04/09	79/04/09
00116	INTNSVE	SURVEY	IDENT	4	791615	.000000	.000000		.000000	791615	791615	78/11/01	79/06/18
00300	DO		MG/L	1	10.1000					10.1000	10.1000	79/04/09	79/04/09
00335	COD	LOWLEVEL	MG/L	1	9.50000					9.50000	9.50000	79/04/09	79/04/09
00400	PH		SU	1	8.10000					8.10000	8.10000	79/04/09	79/04/09
00403	LAB	PH	SU	1	8.10000					8.10000	8.10000	79/04/09	79/04/09
00500	RESIDUE	TOTAL	MG/L	1	205.000					205.000	205.000	79/04/09	79/04/09
00610	NH3+NH4-	N TOTAL	MG/L	1	.044000					.044000	.044000	79/04/09	79/04/09
00625	TOT KJEL	N	MG/L	1	.790000					.790000	.790000	79/04/09	79/04/09
00630	NO2&NO3	N-TOTAL	MG/L	1	.466000					.466000	.466000	79/04/09	79/04/09
00665	PHOS-TOT		MG/L P	1	.130000					.130000	.130000	79/04/09	79/04/09
00940	CHLORIDE	CL	MG/L	1	4.00000					4.00000	4.00000	79/04/09	79/04/09
31501	TOT COLI	MFIMENDO	/100ML	1	310.000					310.000	310.000	79/04/09	79/04/09
31616	FEC COLI	MFM-FCBR	/100ML	1	33.0000					33.0000	33.0000	79/04/09	79/04/09
31679	FECSTREP	MF M-ENT	/100ML	1	900.000					900.000	900.000	79/04/09	79/04/09
70507	PHOS-T	ORTHO	MG/L P	1	.047000					.047000	.047000	79/04/09	79/04/09
80154	SUSP SED	CONC	MG/L	1	43.0000					43.0000	43.0000	79/04/09	79/04/09

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

2060074
43 20 35.0 114 38 10.0 2
ELK CR. NEAR MOUTH
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0080
MILES 0324.30 0571.20 065.00 014.70 000.50

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	2	1.75000	6.12500	2.47487	1.41421	1.75000	3.50000	.000000	79/03/15	79/04/09
00042	ALTITUDE	FEET	AB MSL	1	5000.00					5000.00	5000.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	2	3.00000	18.0000	4.24264	1.41421	3.00000	6.00000	.000000	79/04/09	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	2	7.65000	14.0450	3.74767	.489891	2.65000	10.3000	5.00000	79/03/15	79/04/09
00095	CNDUCTVY	AT 25C	MICROMHO	2	182.500	24.5000	4.94975	.027122	3.50000	186.000	179.000	79/03/15	79/04/09
00116	INTNSVE	SURVEY	IDENT	4	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	2	10.7000	.500122	.707193	.066093	.500061	11.2000	10.2000	79/03/15	79/04/09
00335	COD	LOWLEVEL	MG/L	2	10.5000	.500000	.707107	.067343	.500000	11.0000	10.0000	79/03/15	79/04/09
00400	PH		SU	2	8.35000	.125015	.353575	.042344	.250015	8.60000	8.10000	79/03/15	79/04/09
00403	LAB	PH	SU	1	7.80000					7.80000	7.80000	79/03/15	79/03/15
00500	RESIDUE	TOTAL	MG/L	2	203.500	8320.50	91.2168	.448240	64.5000	268.000	139.000	79/03/15	79/04/09
00610	NH3+NH4-	N TOTAL	MG/L	2	.044000	.000050	.007071	.160710	.005000	.049000	.039000	79/03/15	79/04/09
00625	TOT KJEL	N	MG/L	2	.775000	.061252	.247491	.319343	.175002	.950000	.600000	79/03/15	79/04/09
00630	NO2&NO3	N-TOTAL	MG/L	2	.625500	.286523	.535279	.855762	.376499	1.00400	.247000	79/03/15	79/04/09
00665	PHOS-TOT		MG/L P	2	.115000	.000050	.007071	.061488	.005000	.120000	.110000	79/03/15	79/04/09
00940	CHLORIDE	CL	MG/L	2	2.60000	.320004	.565689	.217573	.400003	3.00000	2.20000	79/03/15	79/04/09
31501	TOT COLI	MFIMENDO	/100ML	2	145.000	31250.0	176.777	1.21915	125.000	270.000	20.0000	79/03/15	79/04/09
31616	FEC COLI	MFM-FCBR	/100ML	2	3.00000	8.00000	2.82843	.942809	2.00000	5.00000	1.00000	79/03/15	79/04/09
31679	FECSTREP	MF M-ENT	/100ML	2	82.0000	2888.00	53.7401	.655367	38.0000	120.000	44.0000	79/03/15	79/04/09
70300	RESIDUE	DISS-180	C MG/L	1	127.000					127.000	127.000	79/03/15	79/03/15
70507	PHOS-T	ORTHO	MG/L P	2	.018000	.000288	.016971	.942809	.012000	.030000	.006000	79/03/15	79/04/09
80154	SUSP SED	CONC	MG/L	2	41.0000	1058.00	32.5269	.793339	23.0000	64.0000	18.0000	79/03/15	79/04/09

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

2060075
43 20 35.0 114 32 40.0 2
WILLOW CR. NEAR MOUTH
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
211DSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0044
MILES 0324.30 0571.20 065.00 008.80 000.60

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	5	4.70000	11.8250	3.43875	.731650	1.53786	8.50000	.500000	78/11/01	79/06/18
00042	ALTITUDE	FEET	AB MSL	1	4940.00					4940.00	4940.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	4	17.2675	285.199	16.8878	.978014	8.44392	41.2000	3.40000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	5	3.52000	14.2870	3.77982	1.07381	1.69039	10.2000	1.10000	78/11/01	79/06/18
00095	CNDUCTVY	AT 25C	MICROMHO	5	220.600	431.328	20.7684	.094145	9.28793	248.000	198.000	78/11/01	79/06/18
00116	INTNSVE	SURVEY	IDENT	6	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	5	10.7800	1.73206	1.31608	.122085	.588567	12.8000	9.20000	78/11/01	79/06/18
00335	COD	LOWLEVEL	MG/L	5	8.26000	29.1031	5.39473	.653115	2.41260	14.9000	2.50000	78/11/01	79/06/18
00400	PH		SU	5	8.29999	.100159	.316479	.038130	.141533	8.70000	7.90000	78/11/01	79/06/18
00403	LAB	PH	SU	2	7.70000	.020004	.141436	.018368	.100011	7.80000	7.60000	79/03/15	79/06/18
00410	T ALK	CACO3	MG/L	1	107.000					107.000	107.000	79/01/31	79/01/31
00425	HCO3 ALK	CACO3	MG/L	1	107.000					107.000	107.000	79/01/31	79/01/31
00430	CO3 ALK	CACO3	MG/L	1	1.00000					1.00000	1.00000	79/01/31	79/01/31
00500	RESIDUE	TOTAL	MG/L	5	180.000	1958.00	44.2493	.245829	19.7889	254.000	144.000	78/11/01	79/06/18
00610	NH3+NH4-	N TOTAL	MG/L	5	.040800	.000662	.025724	.630479	.011504	.072000	.006000	78/11/01	79/06/18
00625	TOT KJEL	N	MG/L	5	.618000	.075620	.274991	.444970	.122980	1.05000	.300000	78/11/01	79/06/18
00630	NO2&NO3	N-TOTAL	MG/L	5	.351200	.010147	.100735	.286830	.045050	.453000	.194000	78/11/01	79/06/18
00665	PHOS-TOT		MG/L P	5	.092000	.003820	.061806	.671807	.027641	.150000	.010000	78/11/01	79/06/18
00900	TOT HARD	CACO3	MG/L	1	102.000					102.000	102.000	79/01/31	79/01/31
00916	CALCIUM	CA-TOT	MG/L	1	1.20000					1.20000	1.20000	79/01/31	79/01/31
00927	MGNSIUM	MG,TOT	MG/L	1	4.90000					4.90000	4.90000	79/01/31	79/01/31
00929	SODIUM	NA,TOT	MG/L	1	7.70000					7.70000	7.70000	79/01/31	79/01/31
00937	PTSSIUM	K,TOT	MG/L	1	1.30000					1.30000	1.30000	79/01/31	79/01/31
00940	CHLORIDE	CL	MG/L	5	6.30000	19.3850	4.40284	.698864	1.96901	13.9000	3.30000	78/11/01	79/06/18
00945	SULFATE	SO4-TOT	MG/L	1	10.0000					10.0000	10.0000	79/01/31	79/01/31
00951	FLUORIDE	F,TOTAL	MG/L	1	.420000					.420000	.420000	79/01/31	79/01/31
00956	SILICA	TOTAL	MG/L	1	22.3000					22.3000	22.3000	79/01/31	79/01/31
31501	TOT COLI	MFIMENDO	/100ML	5	82.0000	8857.50	94.1143	1.14773	42.0892	250.000	35.0000	78/11/01	79/06/18
31616	FEC COLI	MFM-FCBR	/100ML	5	45.8000	4108.70	64.0991	1.39954	28.6660	160.000	13.0000	78/11/01	79/06/18
31679	FECSTREP	MF M-ENT	/100ML	5	337.000	308024	554.999	1.64688	248.203	1300.00	16.0000	78/11/01	79/06/18
70300	RESIDUE	DISS-180	C MG/L	1	137.000					137.000	137.000	79/03/15	79/03/15
70507	PHOS-T	ORTHO	MG/L P	5	.026200	.000892	.029861	1.13975	.013354	.077000	.004000	78/11/01	79/06/18
80154	SUSP SED	CONC	MG/L	5	22.2000	948.700	30.8010	1.38743	13.7746	77.0000	4.00000	78/11/01	79/06/18

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

2060076
43 20 30.0 114 28 35.0 2
CAMP CR. NEAR MOUTH
16013 IDAHO BLAINE
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0040
MILES 0324.30 0571.20 065.00 004.80 001.00

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	5	4.30000	18.3250	4.28077	.995529	1.91442	9.00000	.000000	78/11/01	79/06/18
00042	ALTITUDE	FEET	AB MSL	1	4920.00					4920.00	4920.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	3	6.44666	93.4345	9.66615	1.49940	5.58075	17.6000	.500000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	5	5.84000	9.70304	3.11497	.533386	1.39306	10.4000	2.70000	78/11/01	79/06/18
00095	CNDUCTVY	AT 25C	MICROMHO	5	185.000	509.500	22.5721	.122011	10.0946	211.000	149.000	78/11/01	79/06/18
00116	INTNSVE	SURVEY	IDENT	6	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	4	10.7500	1.27010	1.12699	.104836	.563494	12.2000	9.50000	79/01/31	79/06/18
00335	COD	LOWLEVEL	MG/L	5	14.3000	84.0351	9.16707	.641054	4.09964	29.0000	6.70000	78/11/01	79/06/18
00400	PH		SU	5	8.29999	.205139	.452923	.054569	.202553	9.00000	7.90000	78/11/01	79/06/18
00403	LAB	PH	SU	2	7.45000	.044998	.212128	.028474	.149997	7.60000	7.30000	79/03/15	79/06/18
00410	T ALK	CACO3	MG/L	1	96.0000					96.0000	96.0000	79/01/31	79/01/31
00425	HCO3 ALK	CACO3	MG/L	1	96.0000					96.0000	96.0000	79/01/31	79/01/31
00430	CO3 ALK	CACO3	MG/L	1	1.00000					1.00000	1.00000	79/01/31	79/01/31
00500	RESIDUE	TOTAL	MG/L	5	186.000	2859.50	53.4743	.287496	23.9144	277.000	140.000	78/11/01	79/06/18
00610	NH3+NH4-	N TOTAL	MG/L	5	.056400	.001659	.040735	.722243	.018217	.105000	.007000	78/11/01	79/06/18
00625	TOT KJEL	N	MG/L	5	1.13800	1.44072	1.20030	1.05475	.536791	3.20000	.100000	78/11/01	79/06/18
00630	NO2&NO3	N-TOTAL	MG/L	5	.212600	.024454	.156377	.735547	.069934	.491000	.128000	78/11/01	79/06/18
00665	PHOS-TOT		MG/L P	5	.142000	.007870	.088713	.624739	.039674	.240000	.050000	78/11/01	79/06/18
00900	TOT HARD	CACO3	MG/L	1	84.0000					84.0000	84.0000	79/01/31	79/01/31
00916	CALCIUM	CA-TOT	MG/L	1	24.0000					24.0000	24.0000	79/01/31	79/01/31
00927	MGNSIUM	MG,TOT	MG/L	1	6.00000					6.00000	6.00000	79/01/31	79/01/31
00929	SODIUM	NA,TOT	MG/L	1	10.9000					10.9000	10.9000	79/01/31	79/01/31
00937	PISSIUM	K,TOT	MG/L	1	3.20000					3.20000	3.20000	79/01/31	79/01/31
00940	CHLORIDE	CL	MG/L	5	8.34000	36.2079	6.01730	.721500	2.69102	17.9000	2.20000	78/11/01	79/06/18
00945	SULFATE	SO4-TOT	MG/L	1	10.0000					10.0000	10.0000	79/01/31	79/01/31
00951	FLUORIDE	F,TOTAL	MG/L	1	.280000					.280000	.280000	79/01/31	79/01/31
00956	SILICA	TOTAL	MG/L	1	40.3000					40.3000	40.3000	79/01/31	79/01/31
31501	TOT COLI	MFIMENDO	/100ML	5	230.400	42148.3	205.301	.891062	91.8132	550.000	17.0000	78/11/01	79/06/18
31616	FEC COLI	MFM-FCBR	/100ML	5	89.0000	23516.0	153.349	1.72303	68.5799	360.000	2.00000	78/11/01	79/06/18
31679	FECSTREP	MF M-ENT	/100ML	5	194.800	58297.7	241.449	1.23947	107.979	510.000	1.00000	78/11/01	79/06/18
70300	RESIDUE	DISS-180	C MG/L	1	115.000					115.000	115.000	79/03/15	79/03/15
70507	PHOS-T	ORTHO	MG/L P	5	.051200	.000822	.028665	.559870	.012820	.080000	.014000	78/11/01	79/06/18
80154	SUSP SED	CONC	MG/L	5	26.2000	519.200	22.7860	.869693	10.1902	62.0000	2.00000	78/11/01	79/06/18

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

2060080
43 16 55.0 114 47 55.0 2
OUTLET OF MORMON RESERVOIR
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
211DSURV 791006
0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 08090 0250 0150
MILES 0324.30 0571.20 065.00 030.10 000.50

PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	2	7.00000	8.00000	2.82843	.404061	2.00000	9.00000	5.00000	78/11/01	79/04/09
00042	ALTITUDE	FEET	AB MSL	1	5040.00					5040.00	5040.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	3	.016667	.000833	.028868	1.73205	.016667	.050000	.000000	78/11/01	79/06/18
00076	TURB	TRBIDMTR	HACH FTU	2	11.6500	57.2454	7.56607	.649448	5.35002	17.0000	6.30000	78/11/01	79/04/09
00095	CNDUCTVY	AT 25C	MICROMHO	2	299.500	6844.50	82.7315	.276232	58.5000	358.000	241.000	78/11/01	79/04/09
00116	INTNSVE	SURVEY	IDENT	5	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	2	8.84499	1.78625	1.33651	.151103	.945055	9.79000	7.90000	78/11/01	79/04/09
00335	COD	LOWLEVEL	MG/L	2	32.6500	.124756	.353208	.010818	.249756	32.9000	32.4000	78/11/01	79/04/09
00400	PH		SU	2	8.10000	.180023	.424291	.052382	.300019	8.40000	7.80000	78/11/01	79/04/09
00500	RESIDUE	TOTAL	MG/L	2	289.000	2048.00	45.2548	.156591	32.0000	321.000	257.000	78/11/01	79/04/09
00610	NH3+NH4-	N TOTAL	MG/L	2	.102500	.003613	.060104	.586382	.042500	.145000	.060000	78/11/01	79/04/09
00625	TOT KJEL	N	MG/L	2	1.84000	.135202	.367699	.199836	.260002	2.10000	1.58000	78/11/01	79/04/09
00630	NO2&NO3	N-TOTAL	MG/L	2	.100500	.007081	.084146	.837272	.059500	.160000	.041000	78/11/01	79/04/09
00665	PHOS-TOT		MG/L P	2	.305000	.002450	.049497	.162286	.035000	.340000	.270000	78/11/01	79/04/09
00940	CHLORIDE	CL	MG/L	2	13.9000	30.4199	5.51543	.396793	3.90000	17.8000	10.0000	78/11/01	79/04/09
31501	TOT COLI	MFIMENDO	/100ML	2	270.000	105800	325.269	1.20470	230.000	500.000	40.0000	78/11/01	79/04/09
31616	FEC COLI	MFM-FCBR	/100ML	2	29.5000	1624.50	40.3051	1.36627	28.5000	58.0000	1.00000	78/11/01	79/04/09
31679	FECSTREP	MF M-ENT	/100ML	2	38.5000	364.500	19.0919	.495893	13.5000	52.0000	25.0000	78/11/01	79/04/09
70507	PHOS-T	ORTHO	MG/L P	2	.095500	.010513	.102531	1.07362	.072500	.168000	.023000	78/11/01	79/04/09
80154	SUSP SED	CONC	MG/L	2	55.5000	3280.50	57.2756	1.03199	40.5000	96.0000	15.0000	78/11/01	79/04/09

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

2060082
43 20 15.0 114 47 30.0 2
CITY OF FAIRFIELD EFFLUENT
16025 IDAHO CAMAS
PACIFIC NORTHWEST 130600
UPPER SNAKE
21IDSURV 791006
0000 CLASS 00

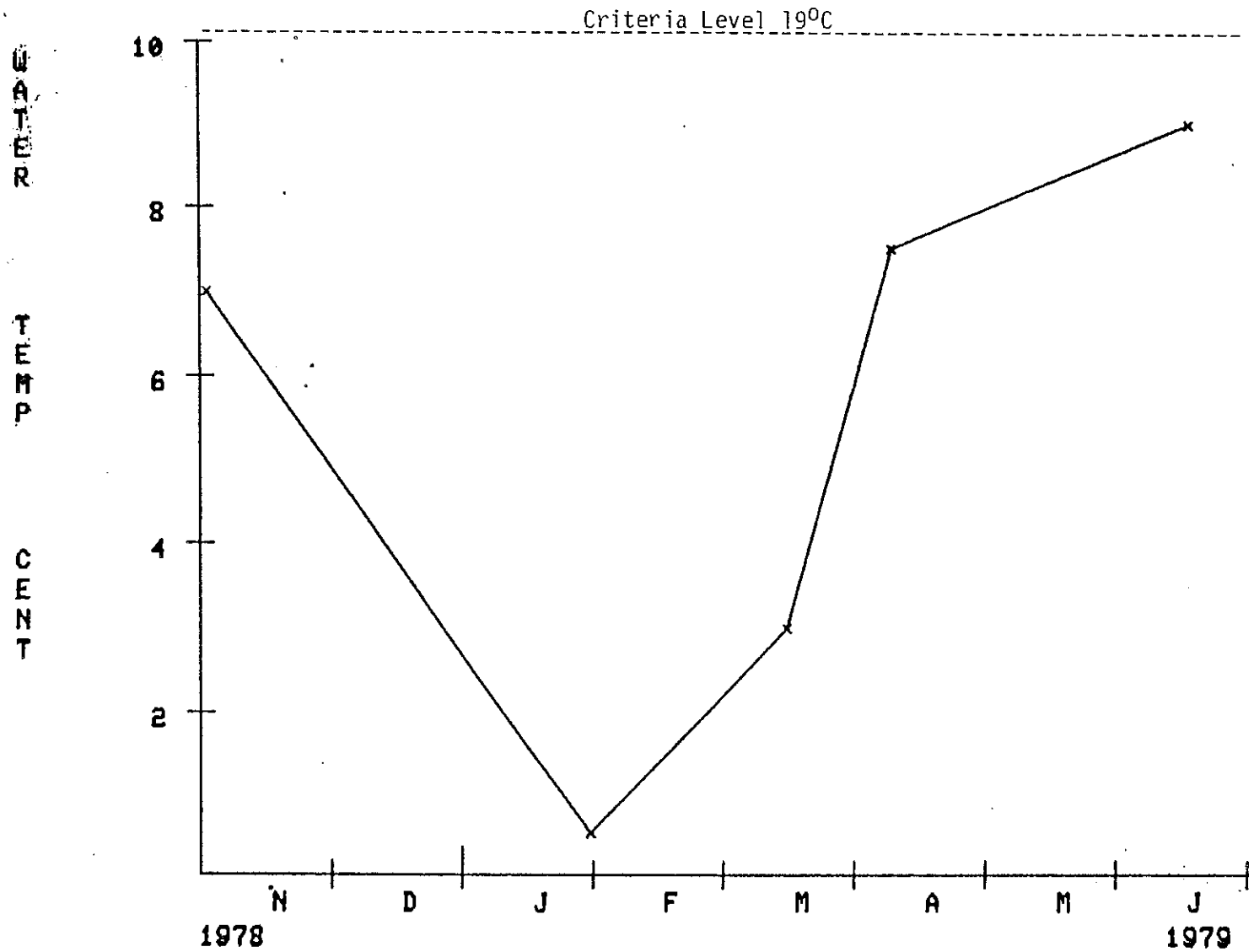
/TYPA/MUN/TREATD/OUTFL/PIPE

INDEX 1310001 002740 08090 0250 0030
MILLS 0324.30 0751.20 065.00 027.30 004.20

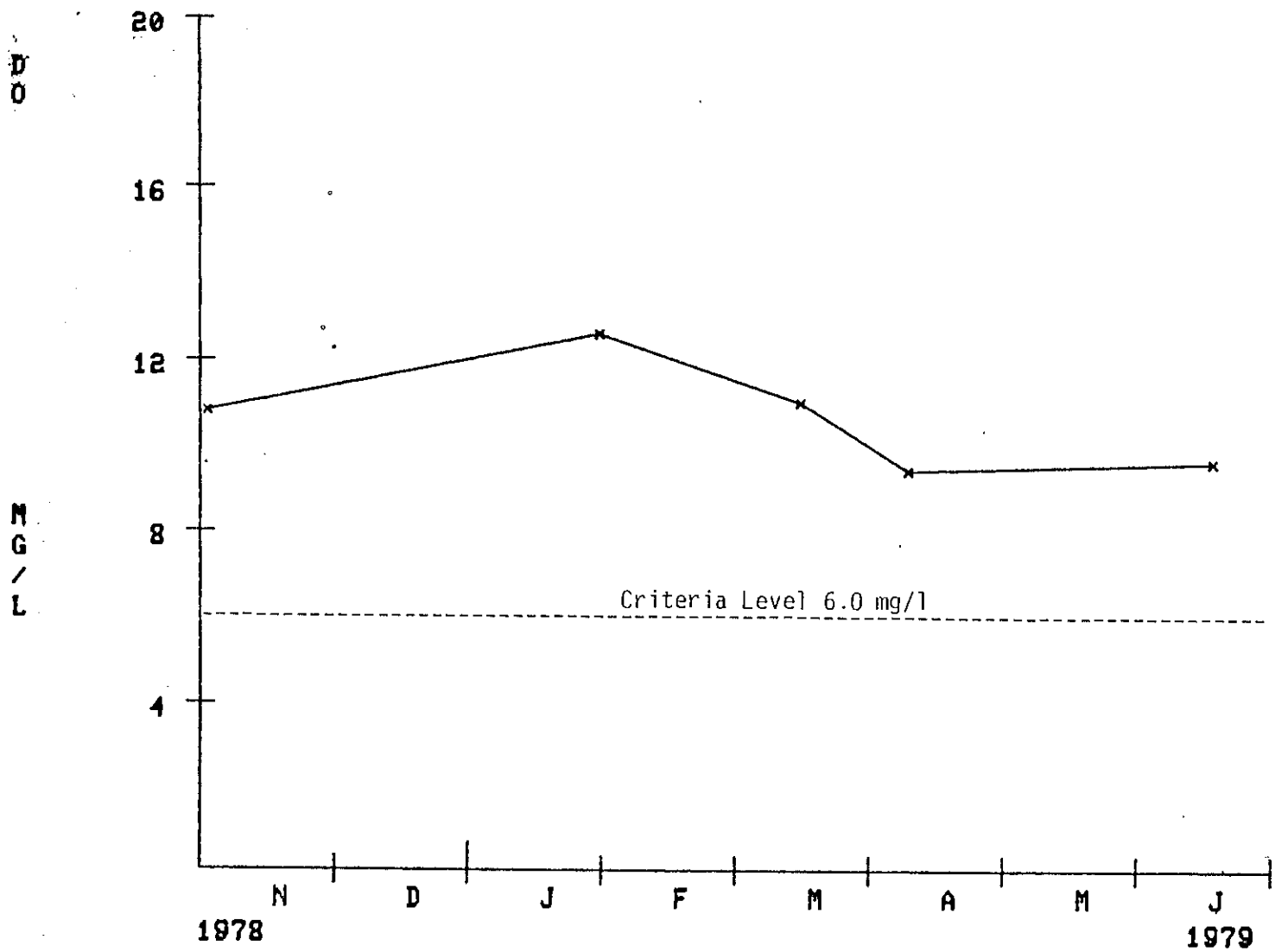
PARAMETER				NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010	WATER	TEMP	CENT	4	6.62500	21.5625	4.64354	.700912	2.32177	12.5000	2.00000	78/11/01	79/06/18
00042	ALTITUDE	FEET	AB MSL	1	5060.00					5060.00	5060.00	01/01/01	01/01/01
00061	STREAM	FLOW,	INST-CFS	2	.015000	.000450	.021213	1.41421	.015000	.030000	.000000	78/11/01	79/01/31
00076	TURB	IRBIDMTR	HACH FTU	4	7.67500	10.8891	3.29987	.429950	1.64993	11.0000	4.50000	78/11/01	79/06/18
00095	CNDUCTVY	AT 25C	MICROMHO	4	315.000	6248.00	79.0443	.250934	39.5221	423.000	245.000	78/11/01	79/06/18
00116	INTNSVE	SURVEY	IDENT	6	791615	.000000	.000000		.000000	791615	791615	01/01/01	79/06/18
00300	DO		MG/L	4	8.92500	14.4359	3.79946	.425710	1.89973	12.8000	4.40000	78/11/01	79/06/18
00310	BOD	5 DAY	MG/L	4	24.7250	19.7697	4.44631	.179831	2.22315	29.0000	20.0000	78/11/01	79/06/18
00335	COD	LOWLEVEL	MG/L	4	263.200	106924	326.992	1.24237	163.496	747.000	61.8000	78/11/01	79/06/18
00400	PH		SU	4	8.64999	.710124	.842688	.097421	.421344	9.20000	7.40000	78/11/01	79/06/18
00403	LAB	PH	SU	2	8.30000	2.88014	1.69710	.204470	1.20003	9.50000	7.10000	79/03/15	79/06/18
00500	RESIDUE	TOTAL	MG/L	4	279.750	9272.91	96.2960	.344222	48.1480	413.000	189.000	78/11/01	79/06/18
00610	NH3+NH4-	N TOTAL	MG/L	4	3.10800	14.5270	3.81143	1.22633	1.90571	7.95000	.054000	78/11/01	79/06/18
00615	NO2-N	TOTAL	MG/L	2	.017000	.000288	.016971	.998269	.012000	.029000	.005000	78/11/01	79/03/15
00625	TOT KJEL	N	MG/L	3	9.50999	18.9603	4.35435	.457870	2.51398	12.6000	4.53000	78/11/01	79/06/18
00630	NO2&NO3	N-TOTAL	MG/L	3	.023000	.000157	.012530	.544785	.007234	.036000	.011000	78/11/01	79/06/18
00665	PHOS-TOT		MG/L P	3	2.81667	.385834	.621155	.220528	.358624	3.20000	2.10000	78/11/01	79/06/18
00900	TOT HARD	CACO3	MG/L	1	48.0000					48.0000	48.0000	79/03/15	79/03/15
00940	CHLORIDE	CL	MG/L	4	17.9000	72.8201	8.53347	.476730	4.26674	29.7000	9.90000	78/11/01	79/06/18
31501	TOT COLI	MFIMENDO	/100ML	4	88325.0	.304E+11	174455	1.97515	87227.5	350000	100.000	78/11/01	79/06/18
31616	FEC COLI	MFM-FCBR	/100ML	4	25017.5	.249E+10	49988.3	1.99813	24994.2	100000	10.0000	78/11/01	79/06/18
31679	FECSTREP	MF M-ENT	/100ML	4	30050.0	.359E+10	59966.7	1.99556	29983.3	120000	10.0000	78/11/01	79/06/18
70300	RESIDUE	DISS-180	C MG/L	1	175.000					175.000	175.000	79/03/15	79/03/15
70507	PHOS-T	ORTHO	MG/L P	3	1.75667	.489633	.699738	.398333	.403994	2.56000	1.28000	78/11/01	79/06/18
80154	SUSP SED	CONC	MG/L	4	32.0000	512.000	22.6274	.707107	11.3137	64.0000	16.0000	78/11/01	79/06/18

GRAPHICS

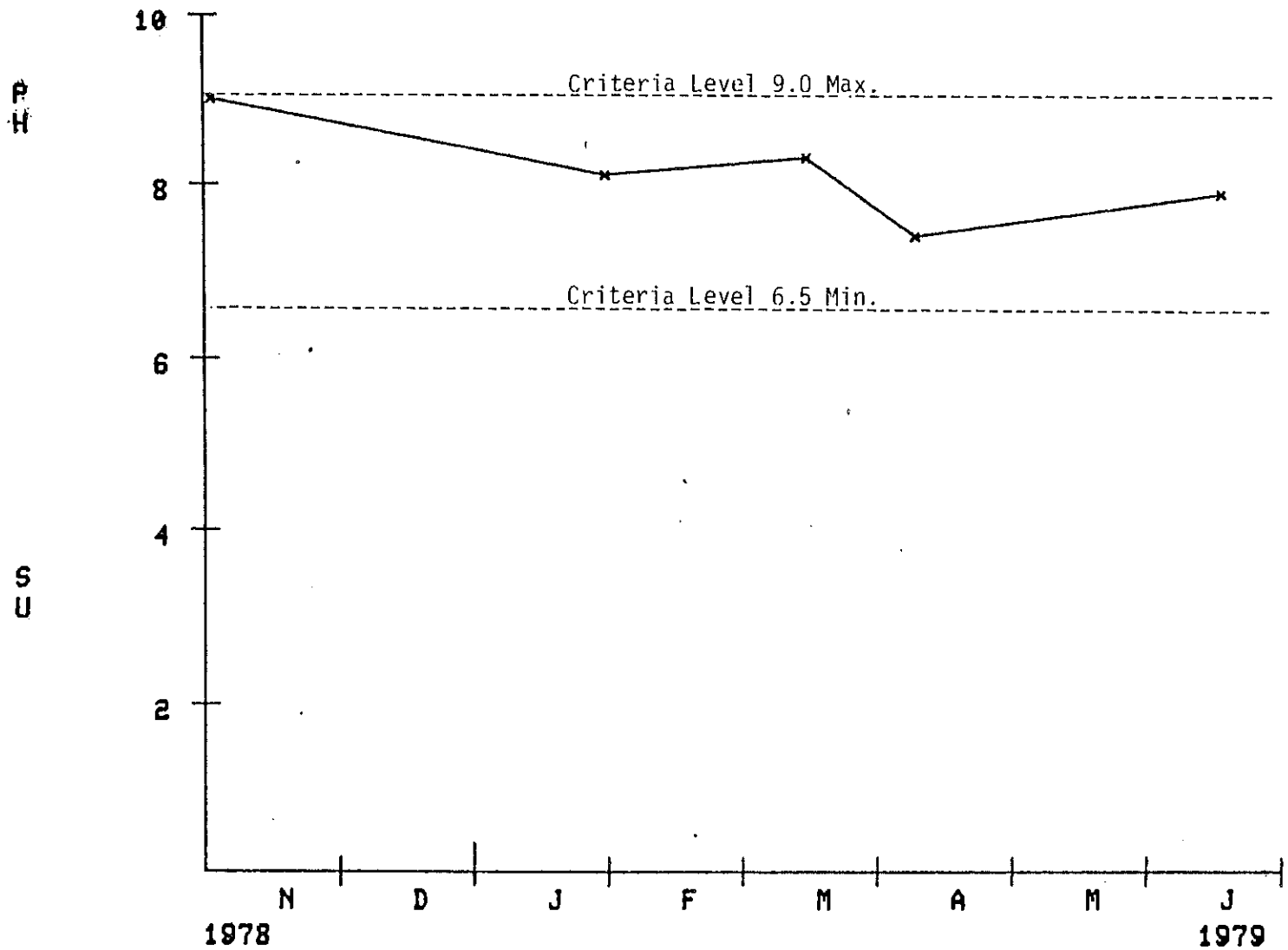
STORET STATION 2060060
CAMAS CR. AT USGS GAGING STATION



STORET STATION 2060060
CAMAS CR. AT USGS GAGING STATION



STORET STATION 2060060
CAMAS CR. AT USGS GAGING STATION



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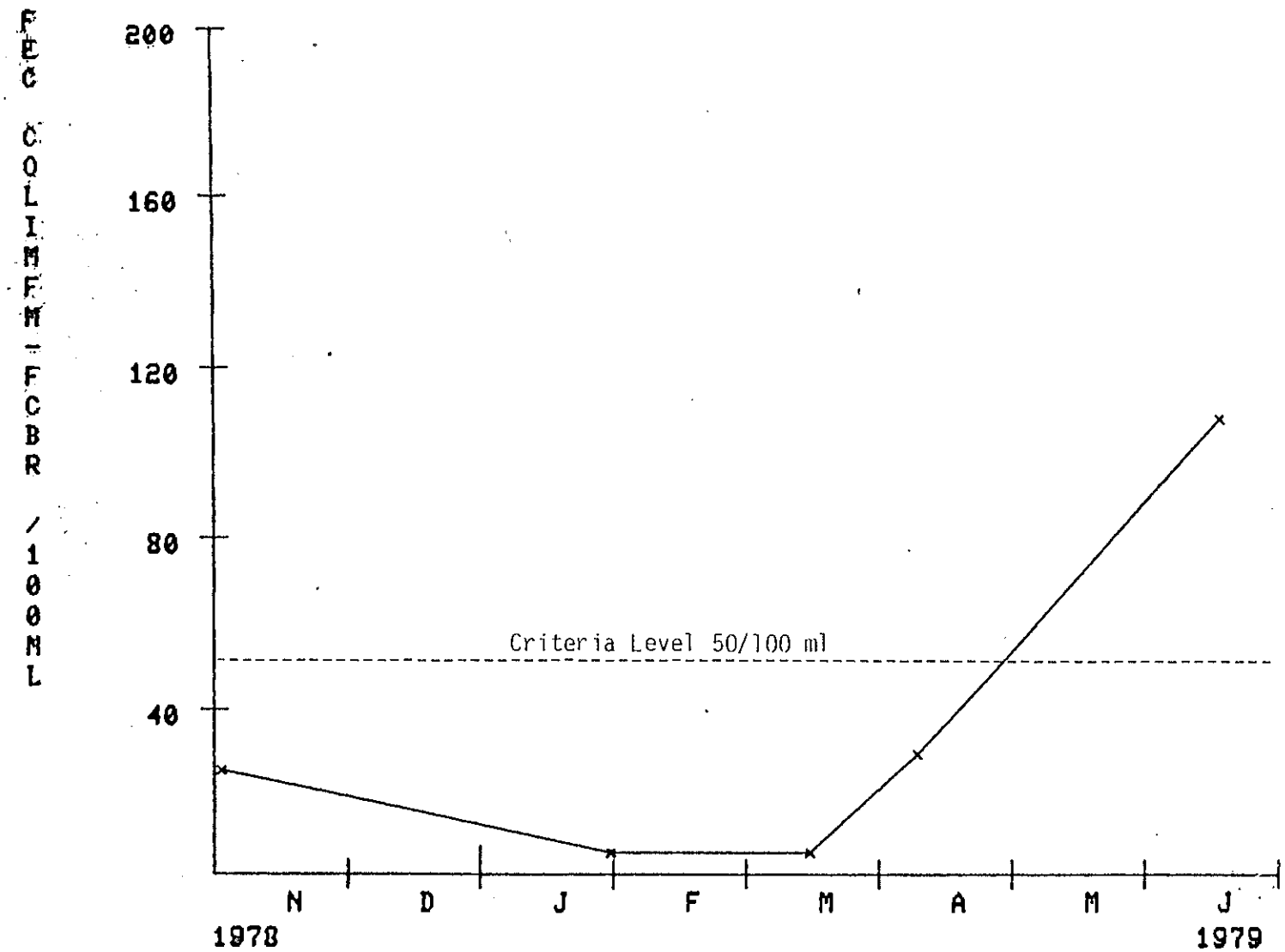

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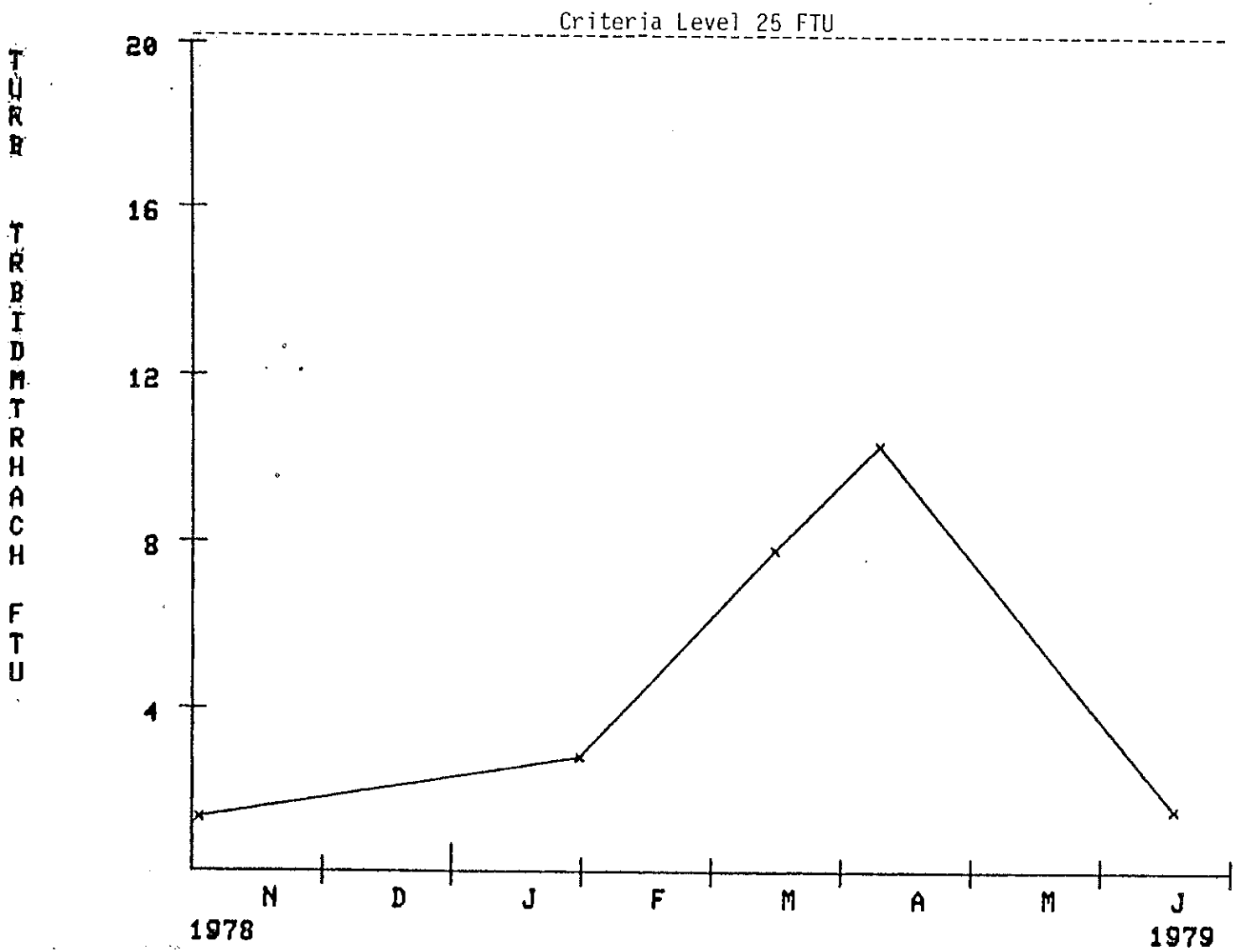

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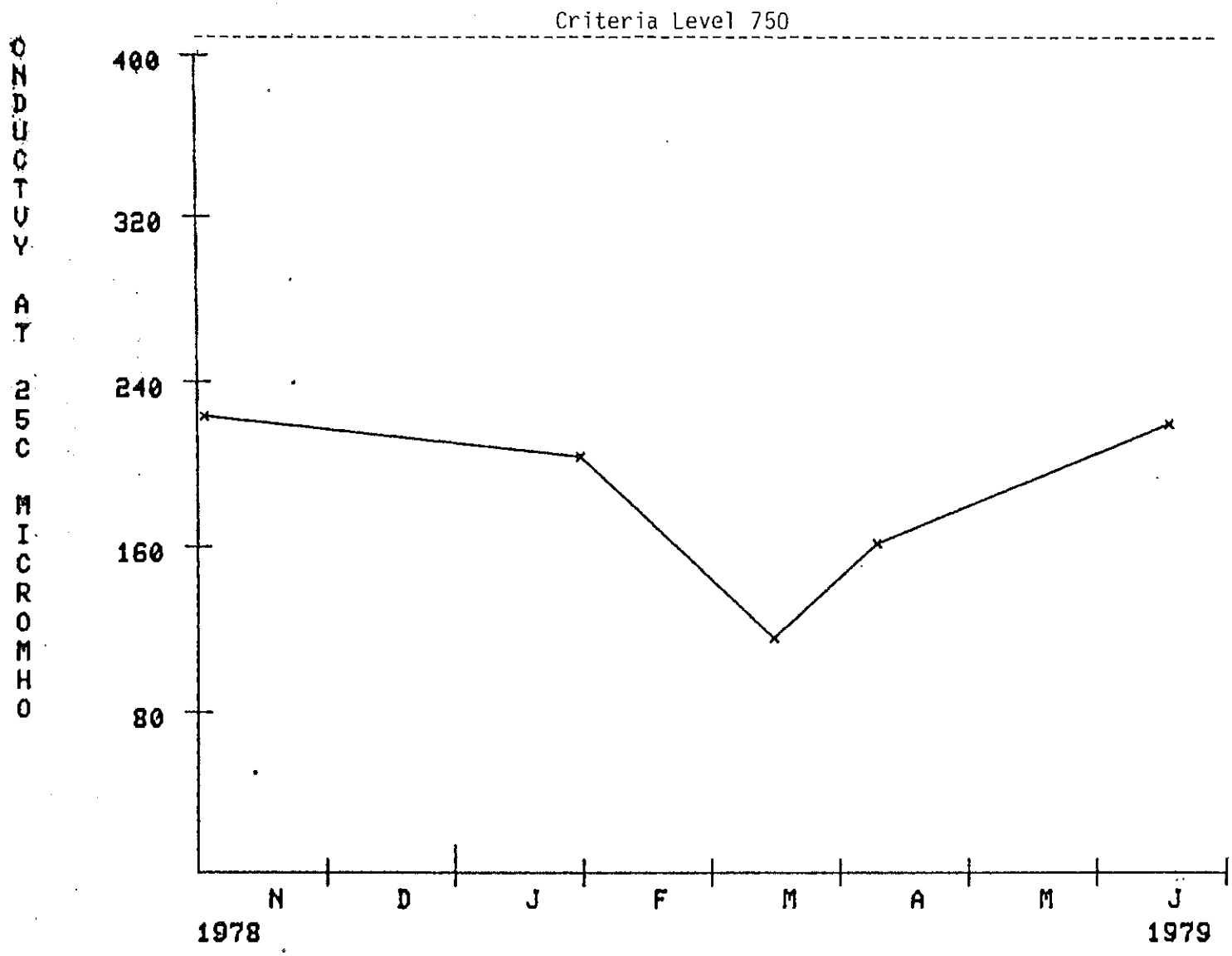

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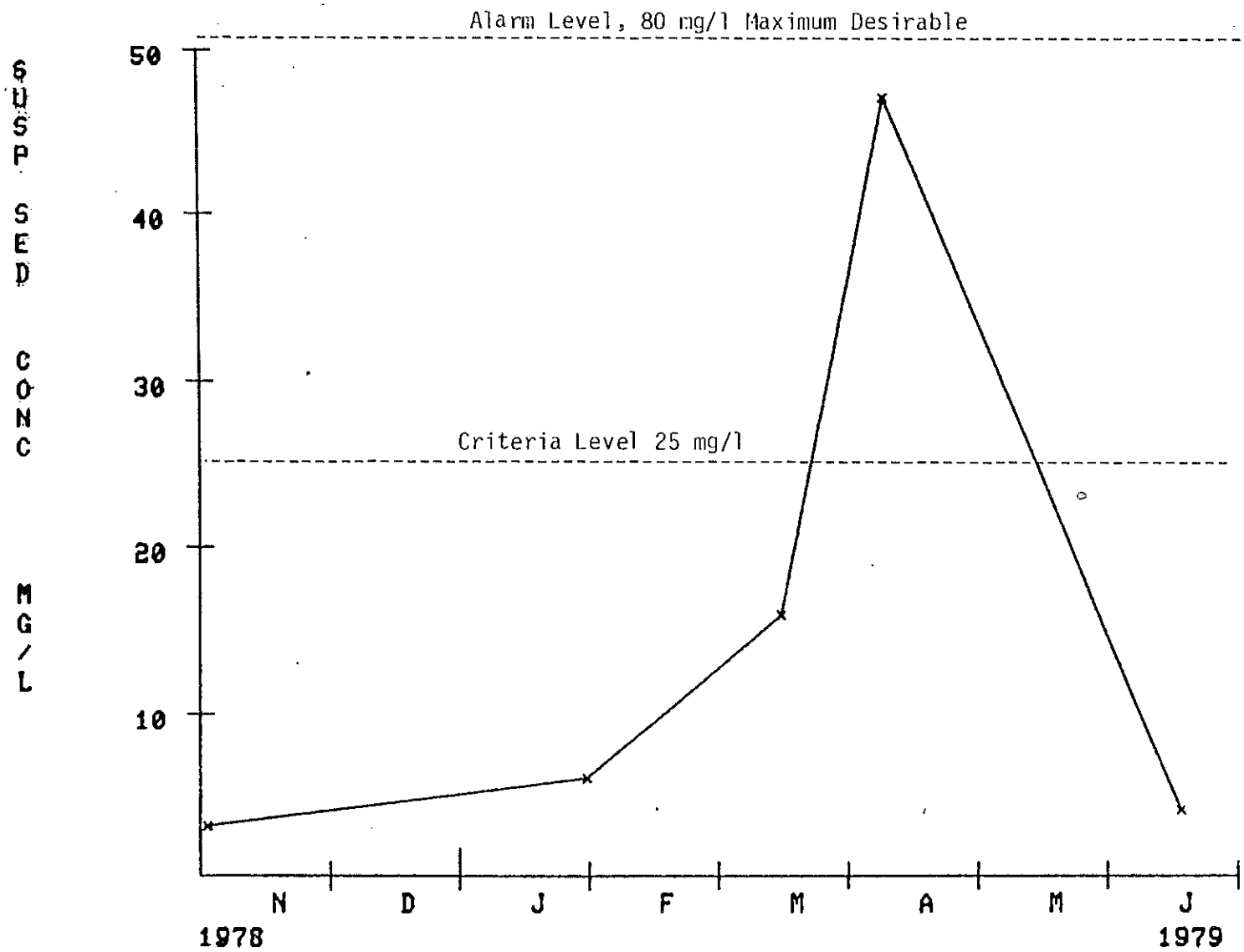

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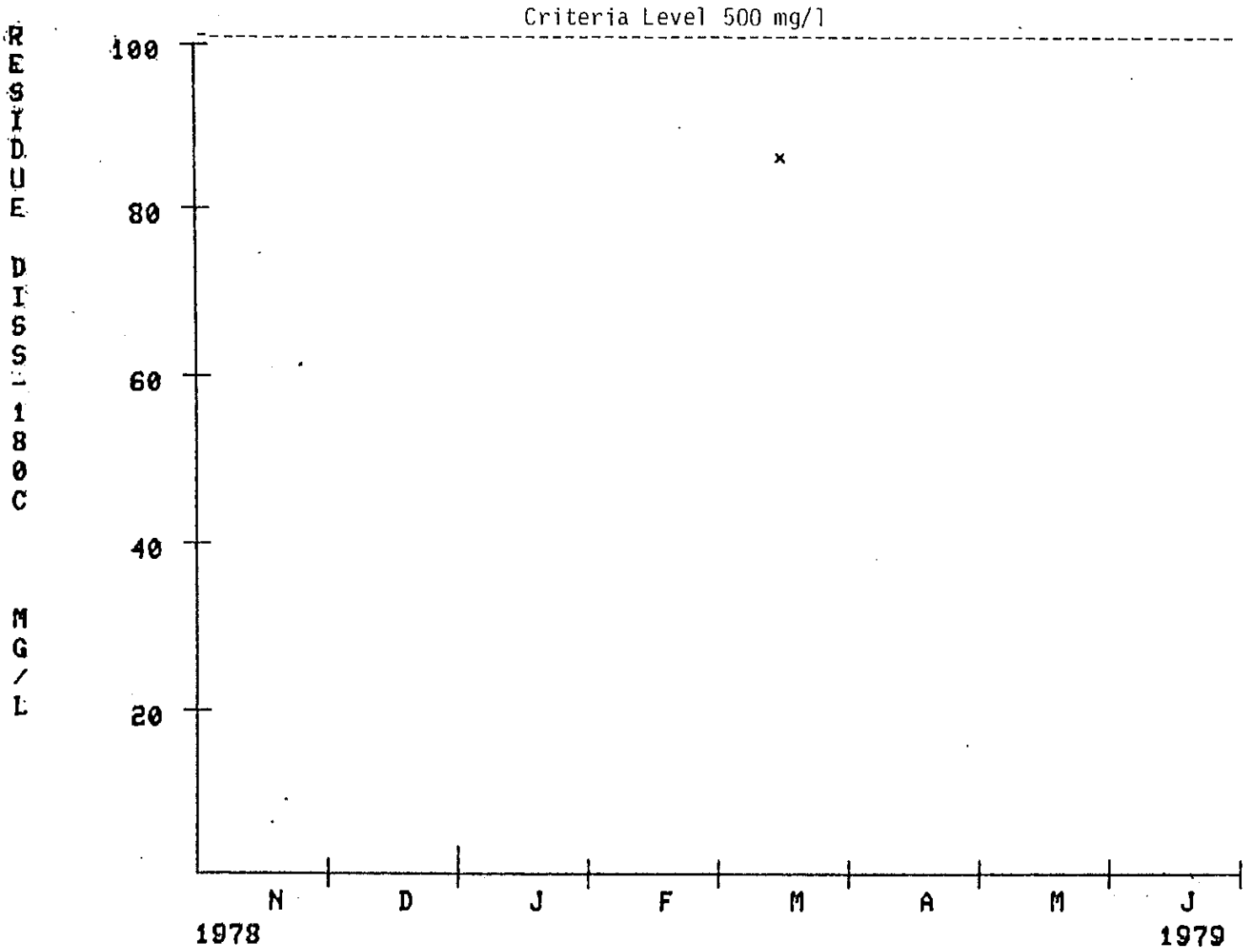

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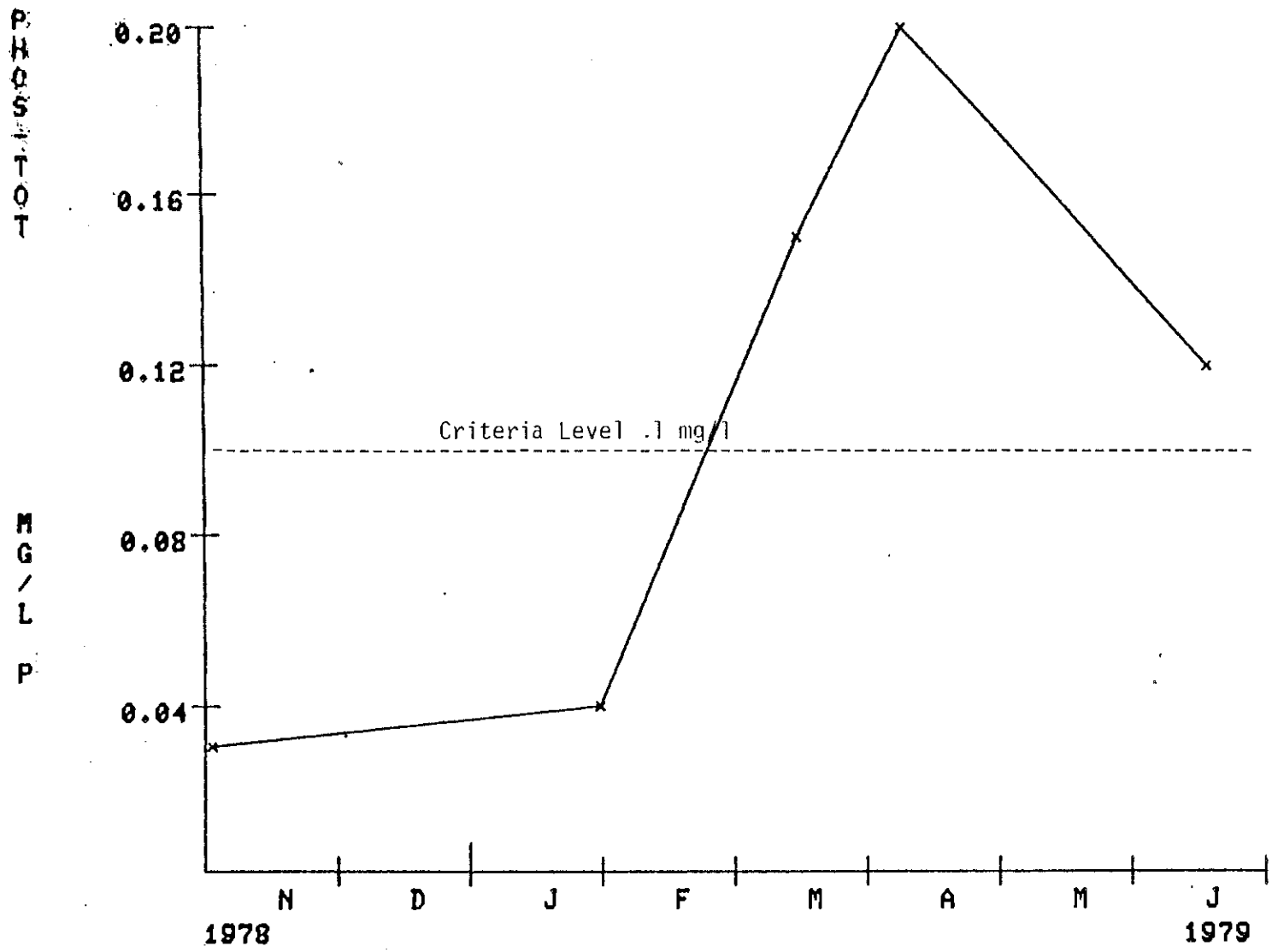

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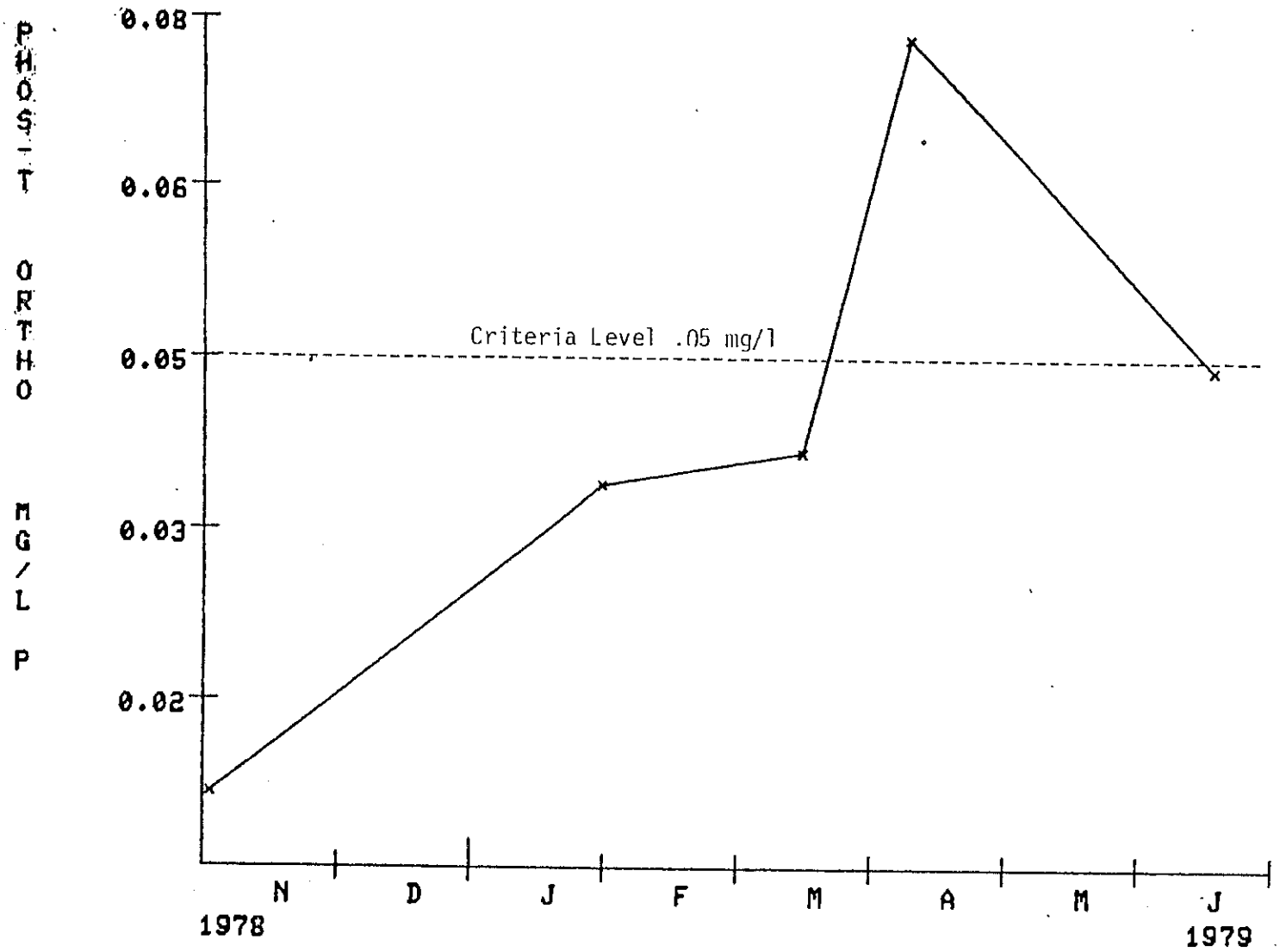

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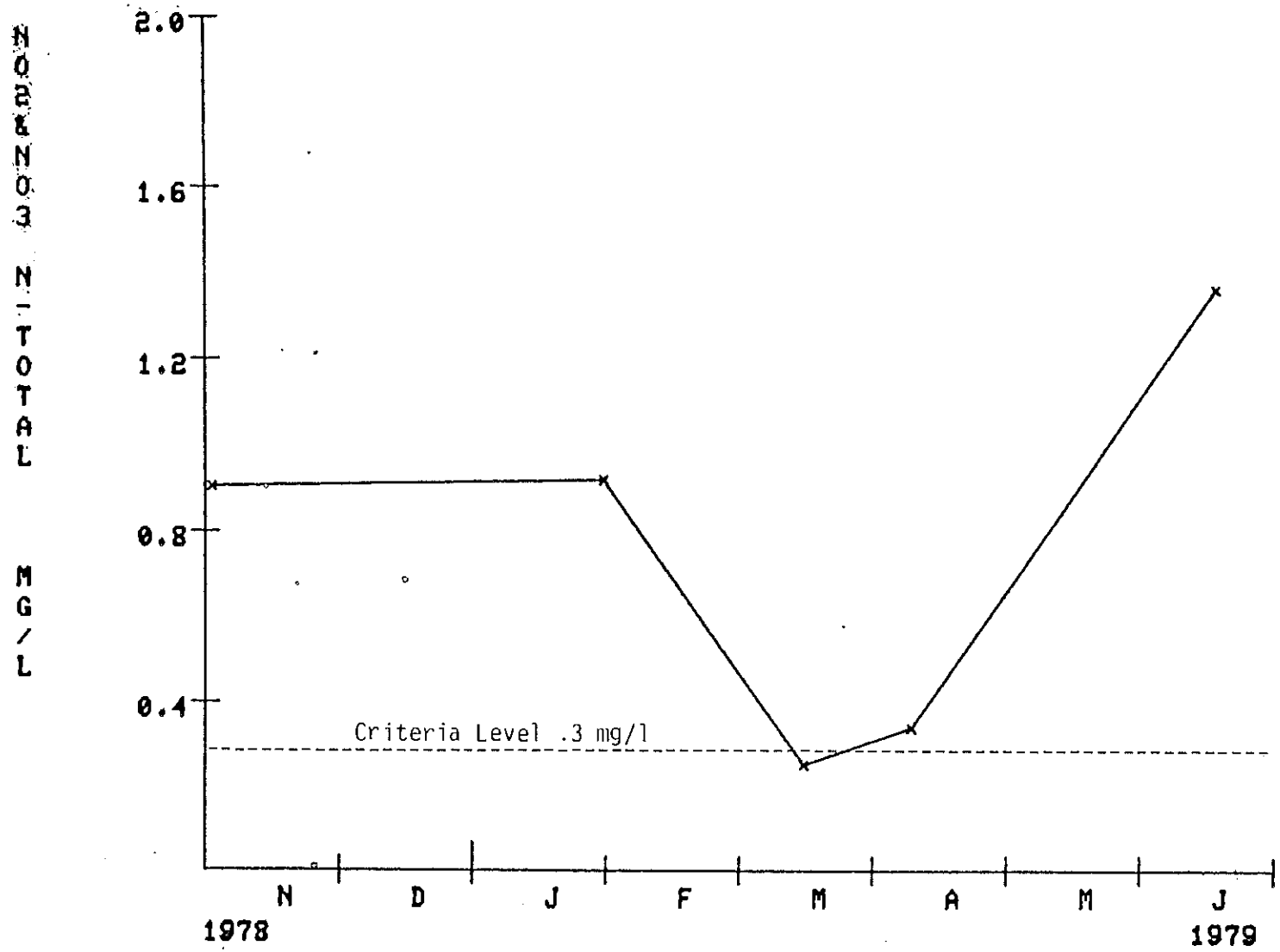

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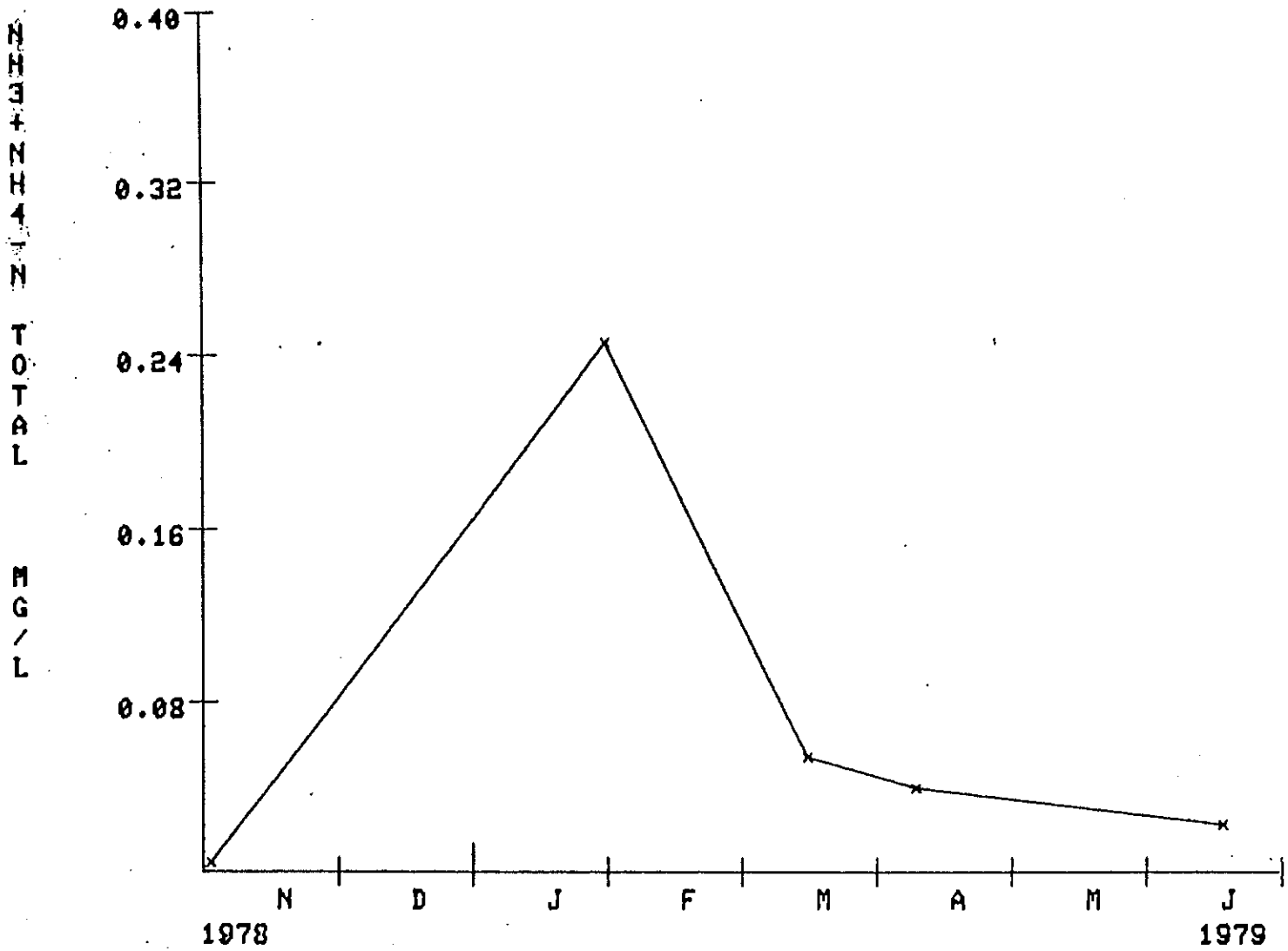
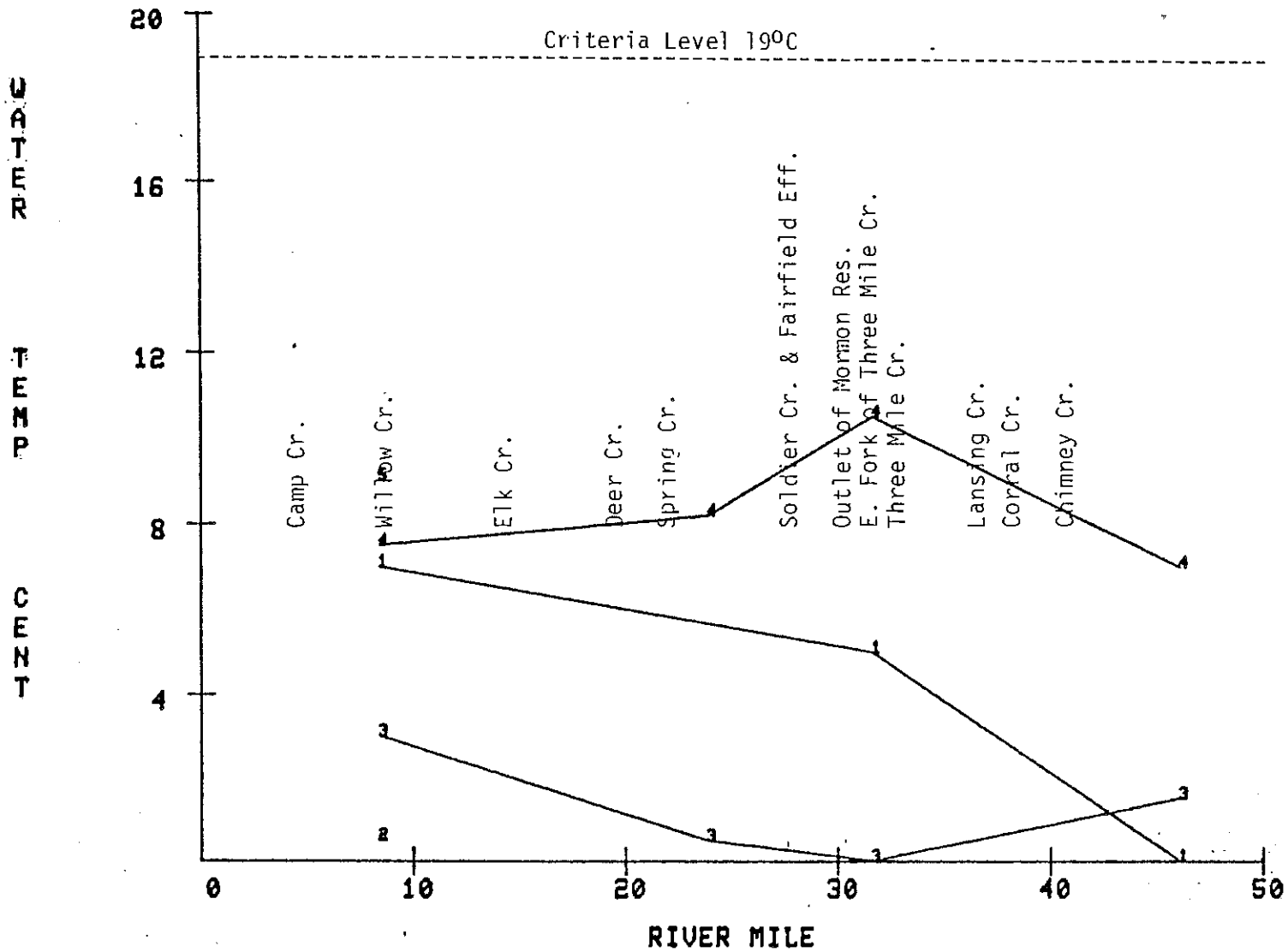


CAMAS CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
1 : 11-01-78 2 : 01-31-79 3 : 03-15-79
4 : 04-09-79 5 : 06-18-79



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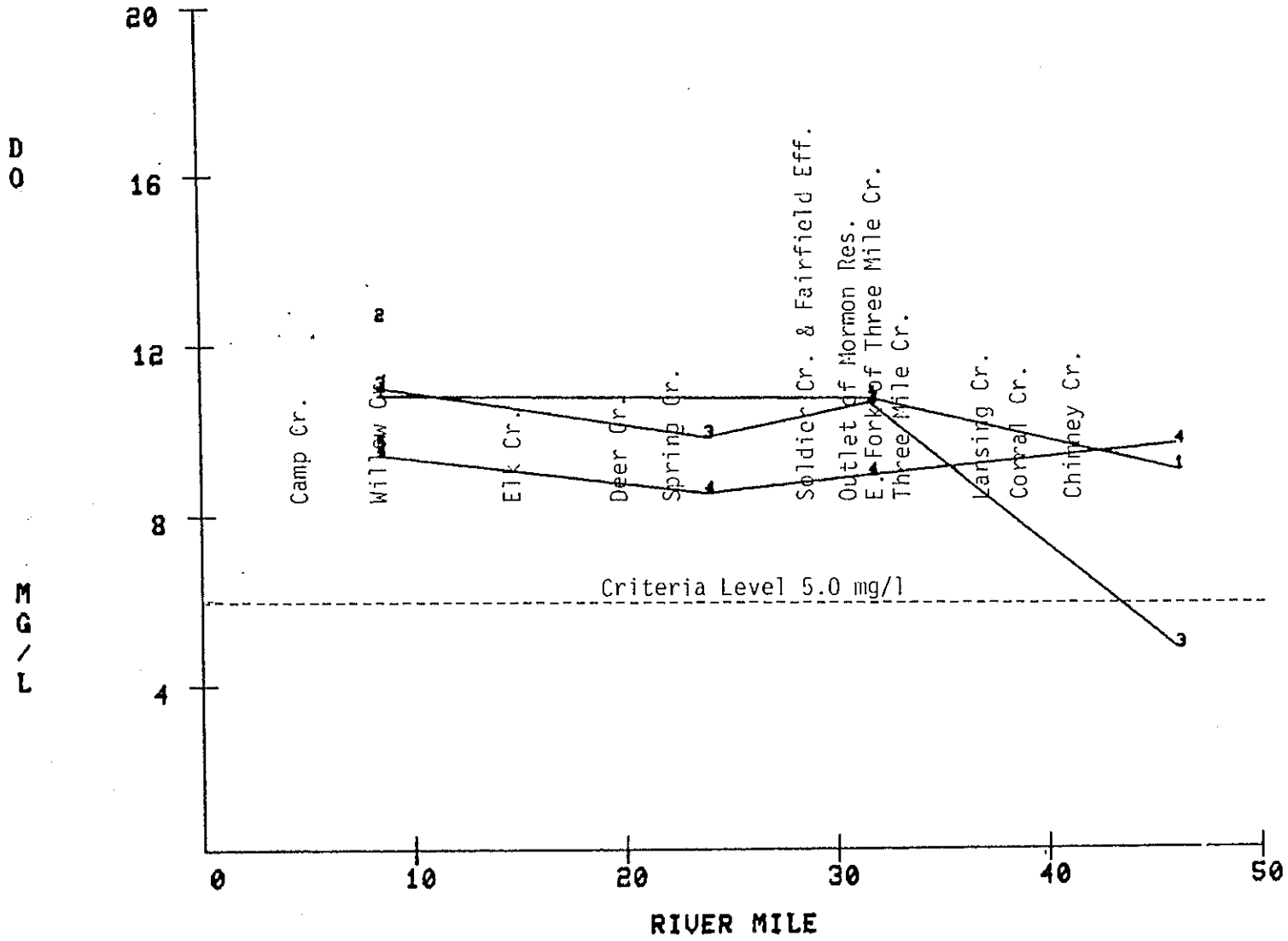

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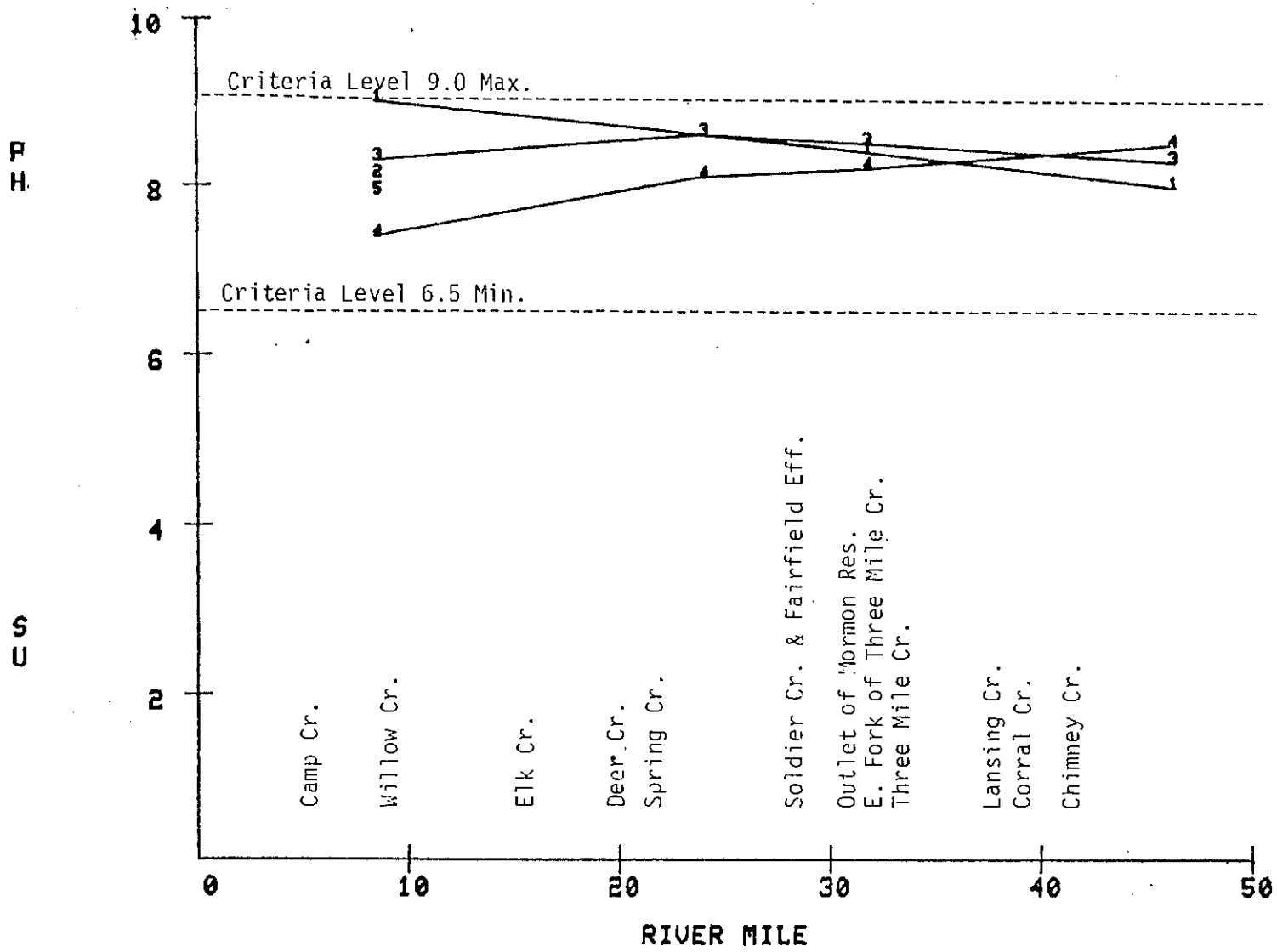

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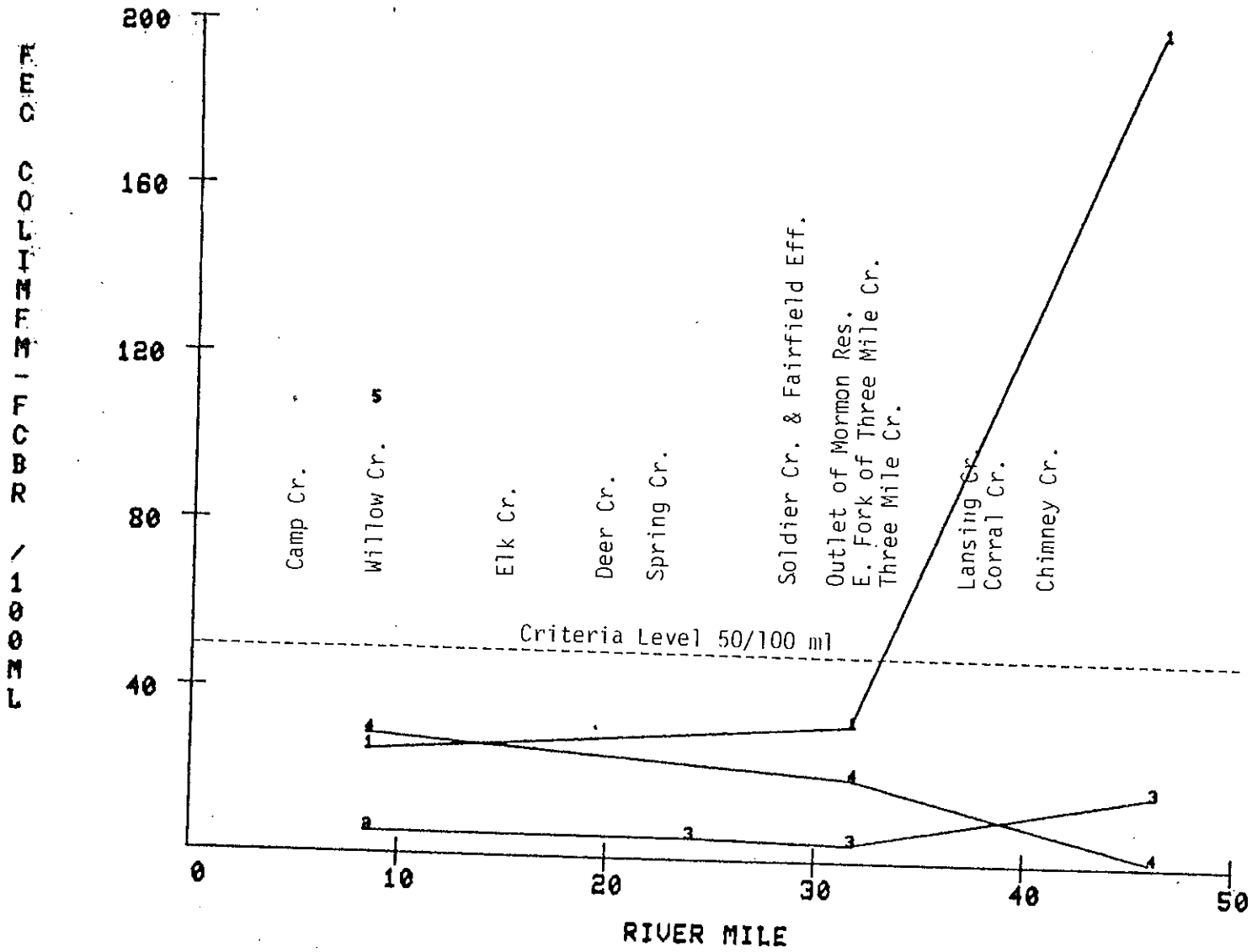

CAMAS CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
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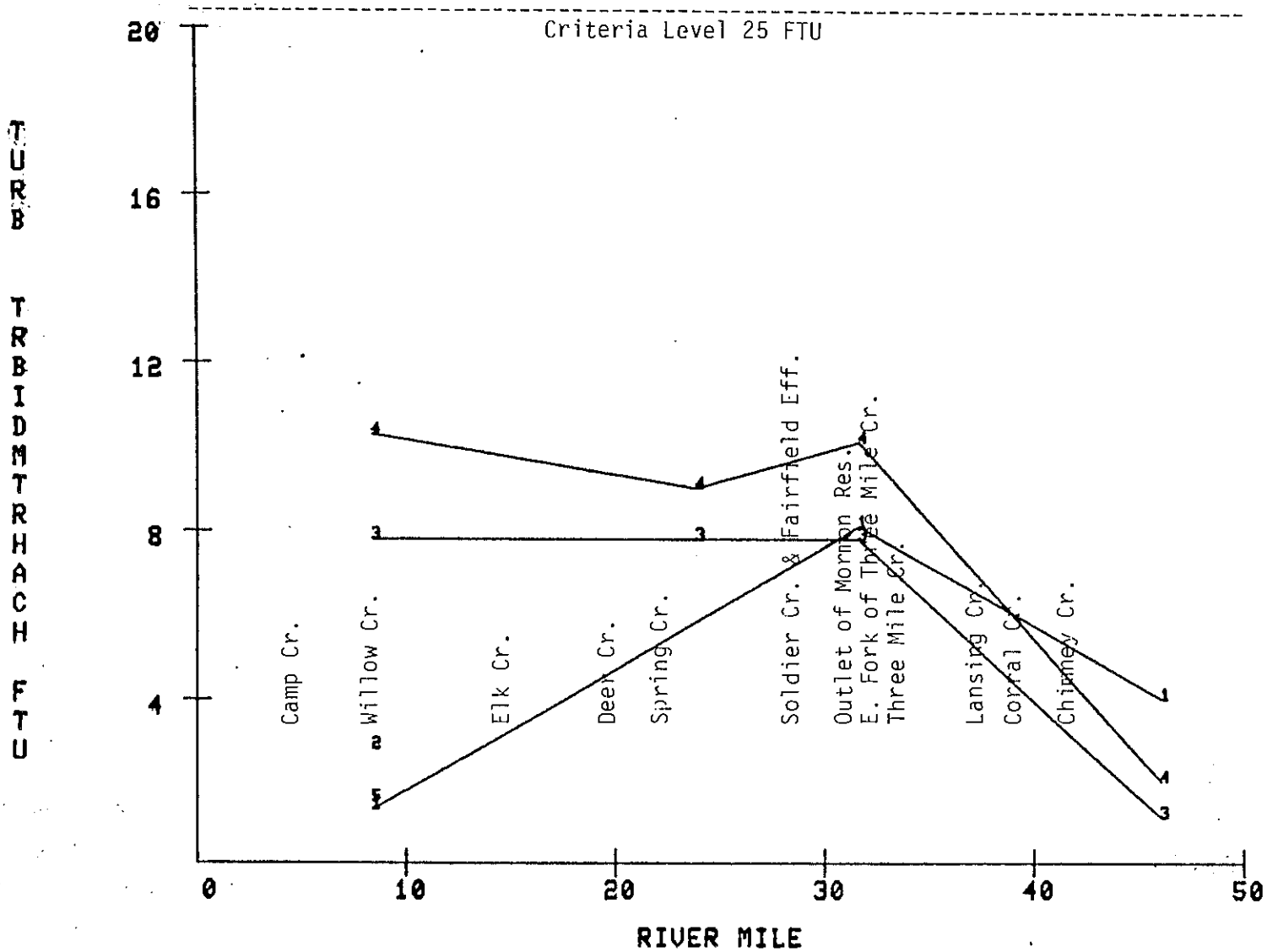

CANAS CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
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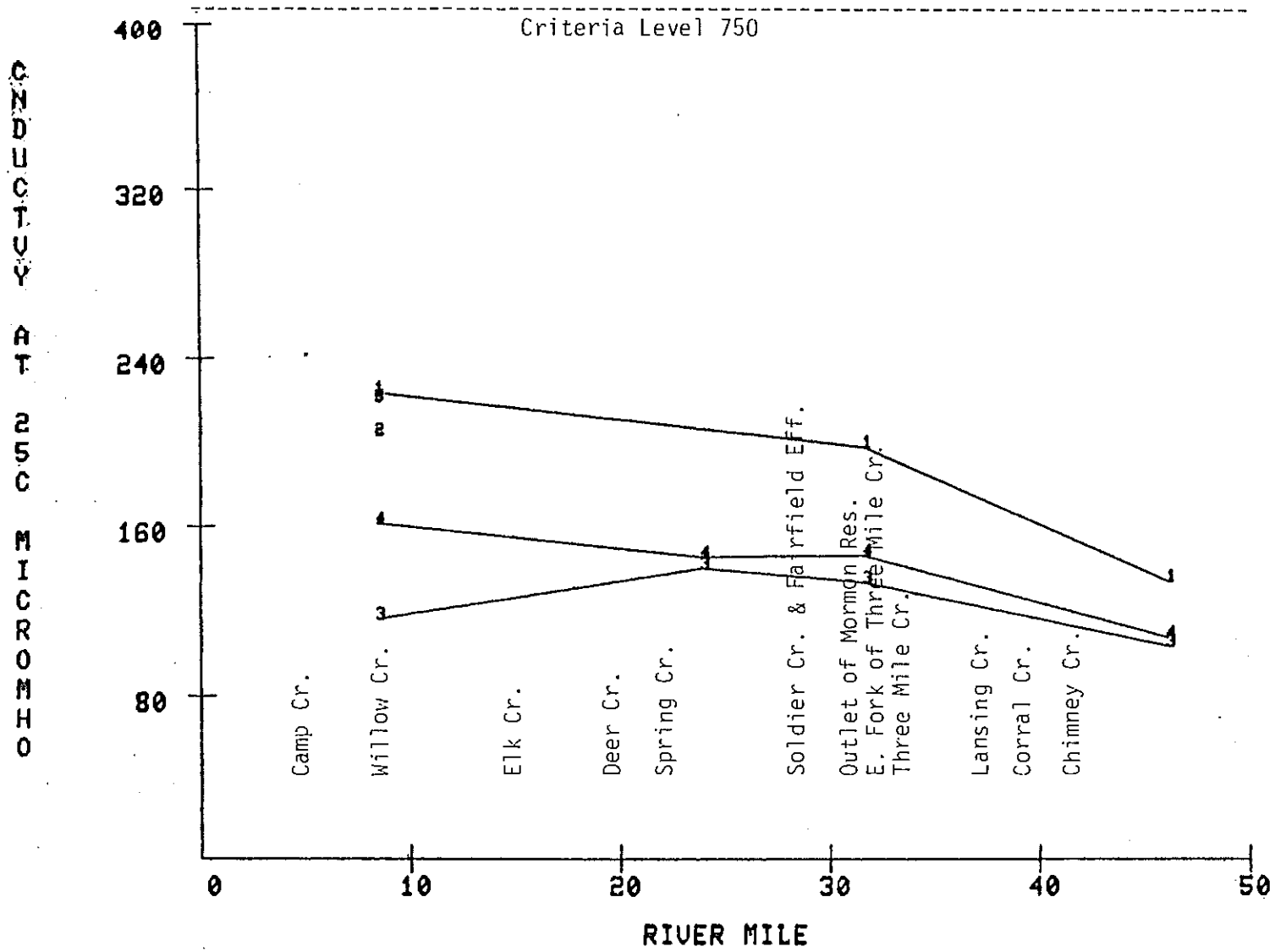

CAMAS CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
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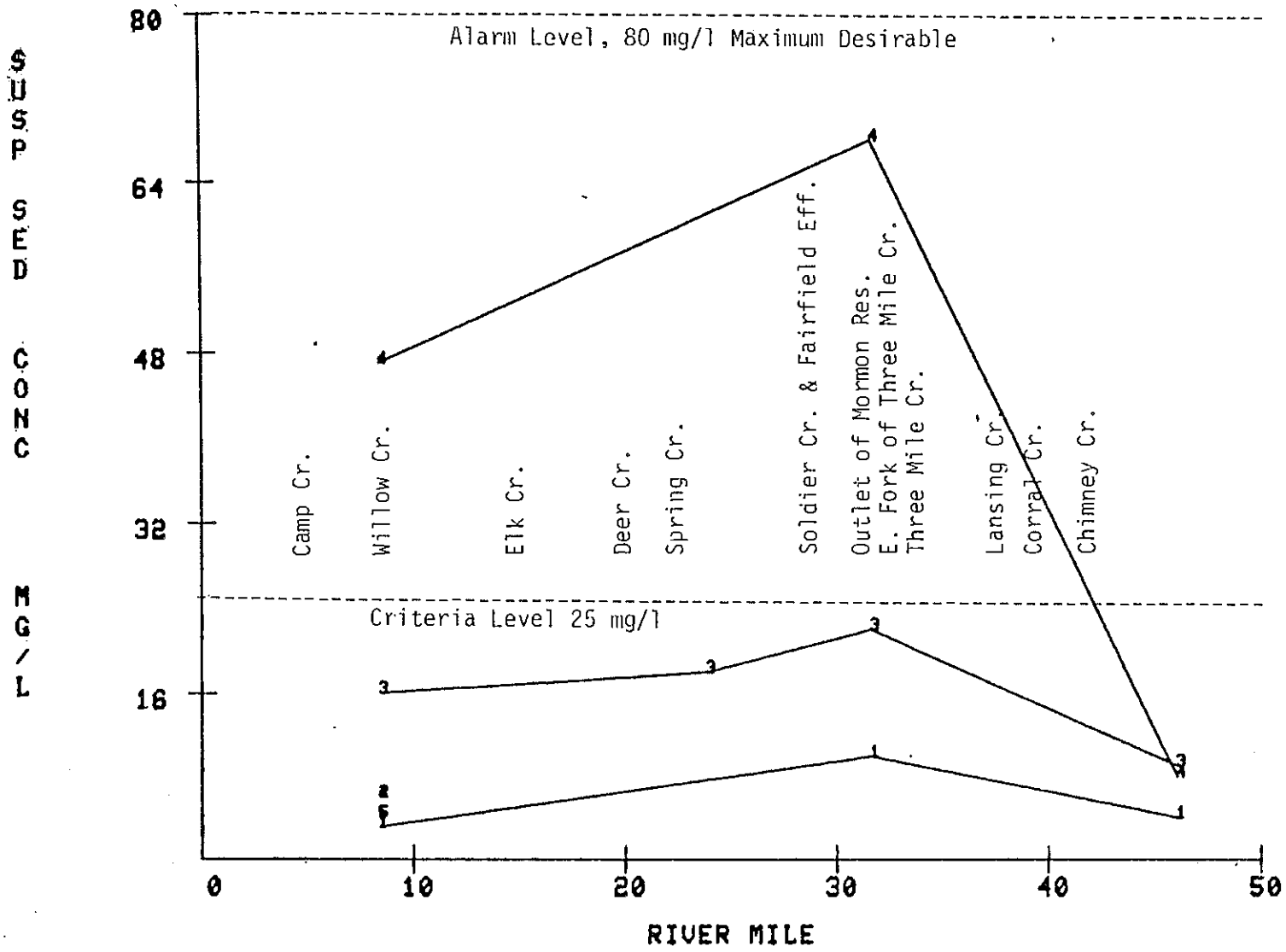

CAMAS CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
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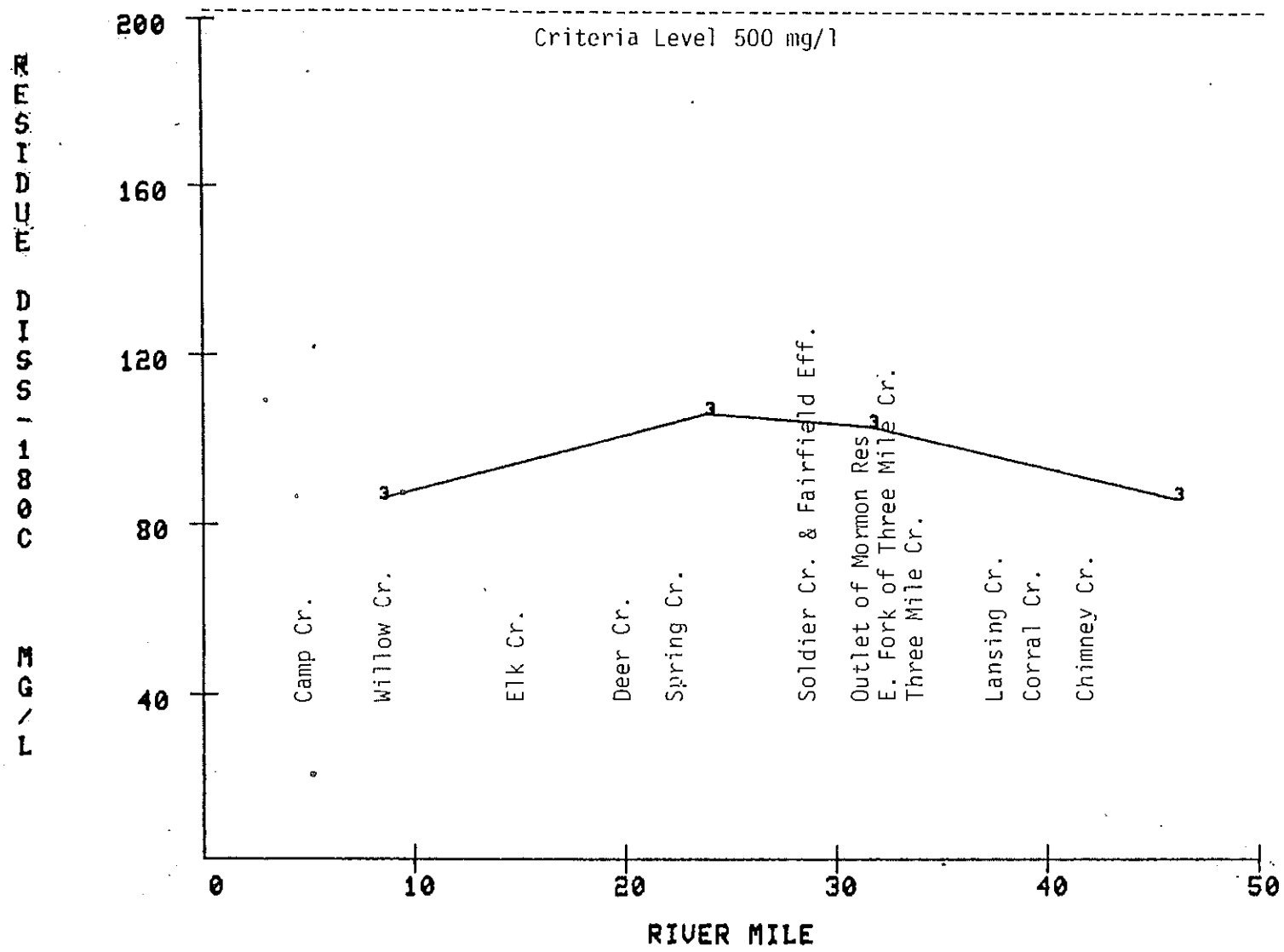

CAMAS CREEK
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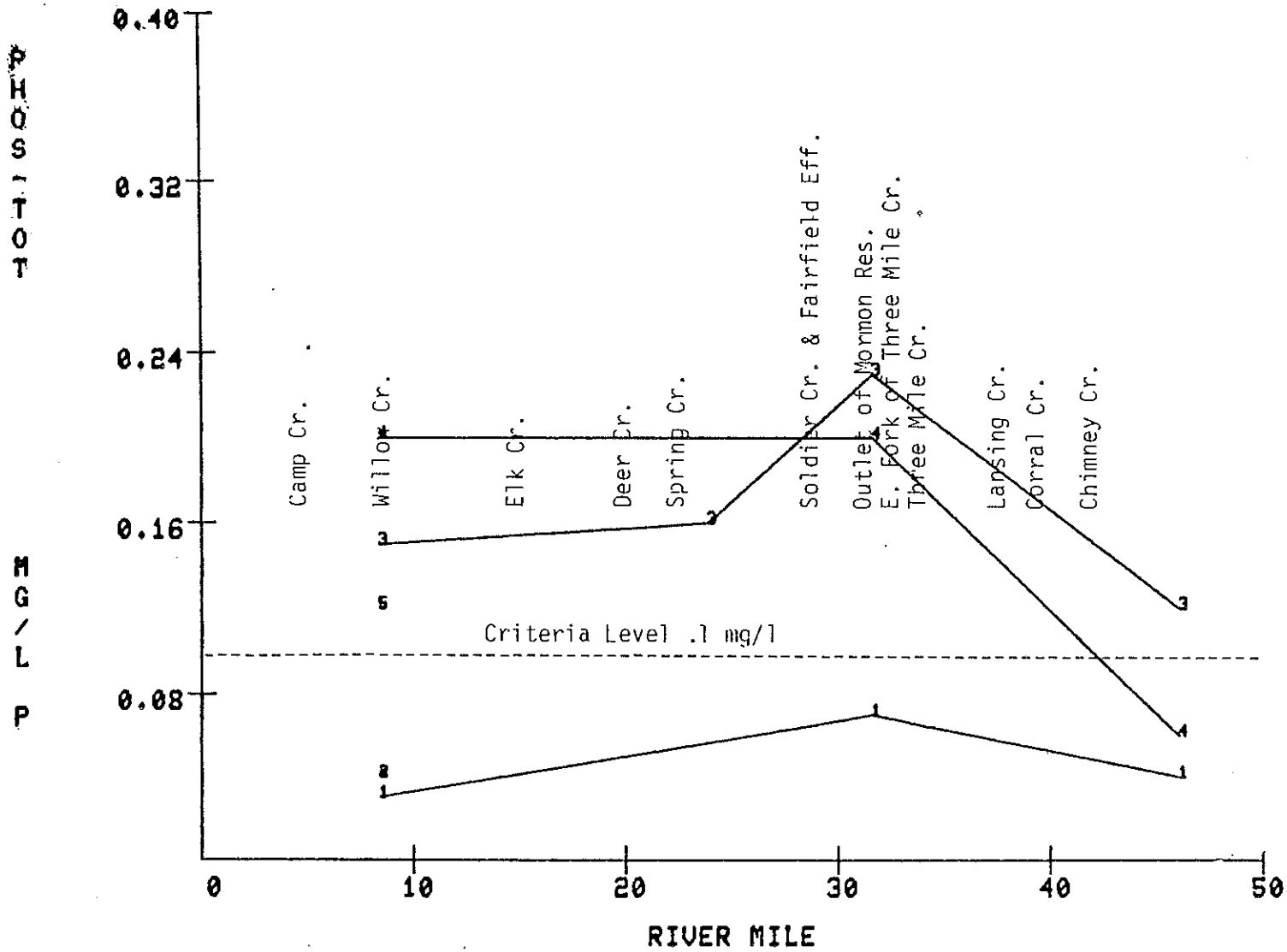

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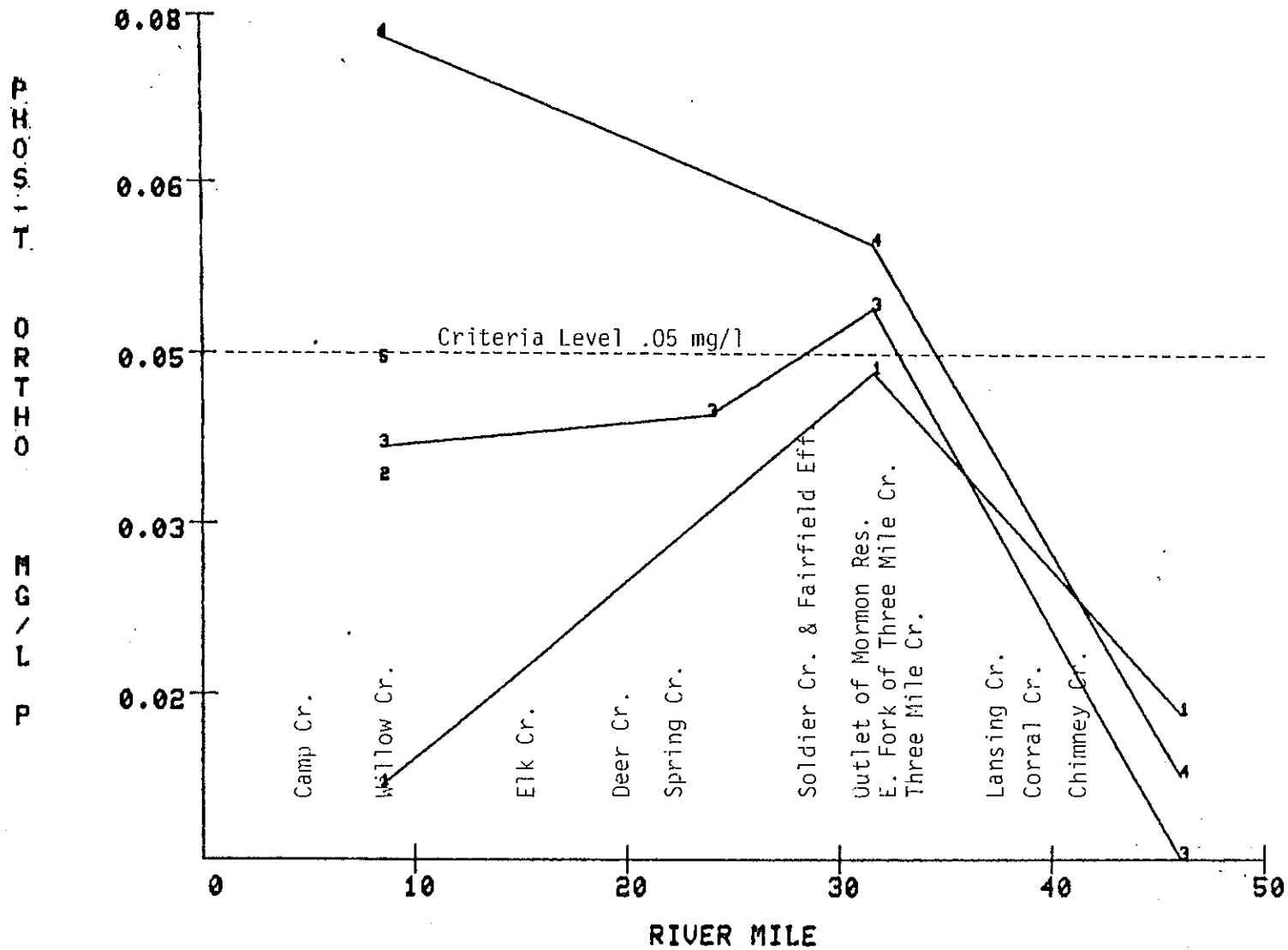

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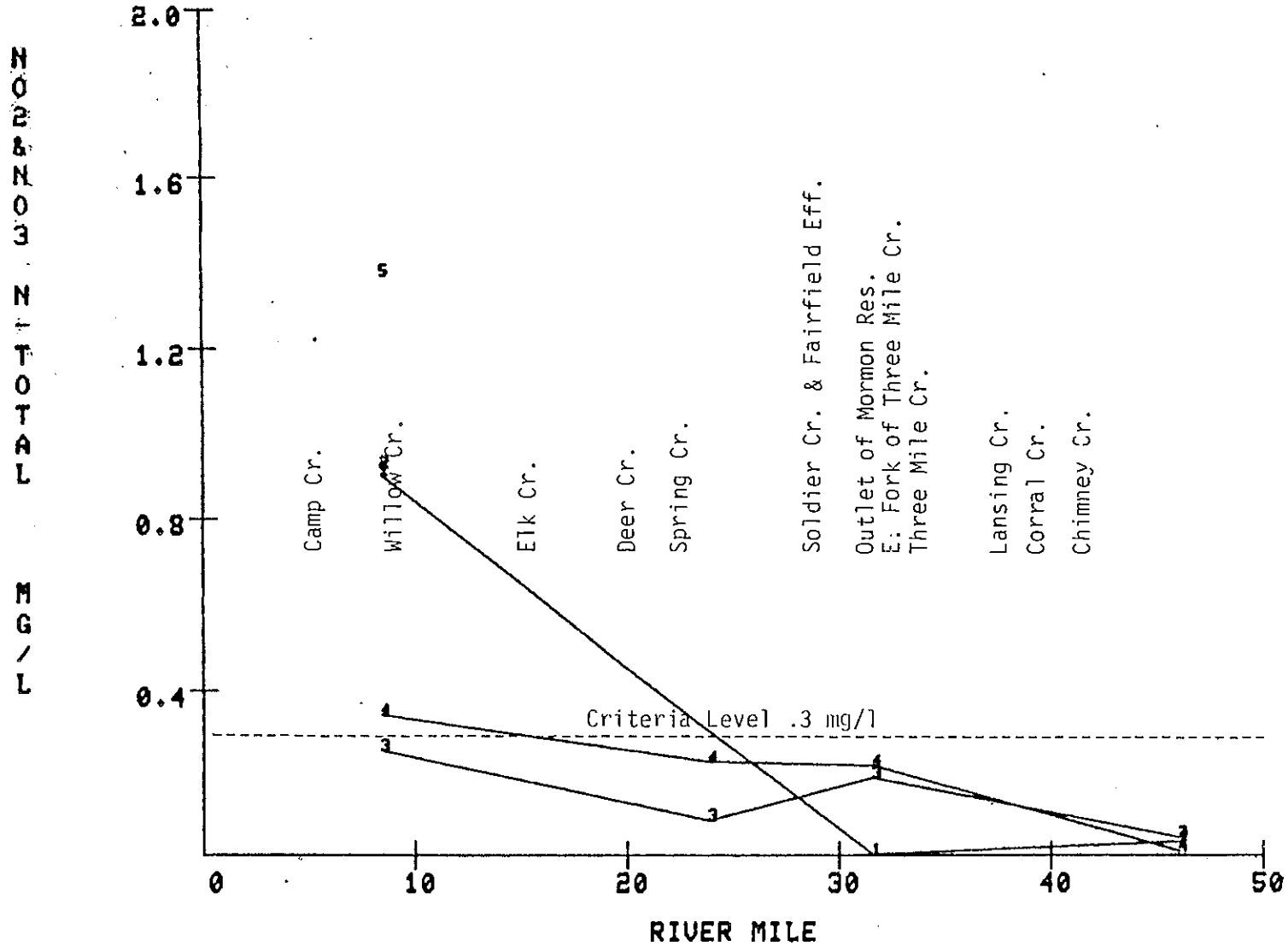
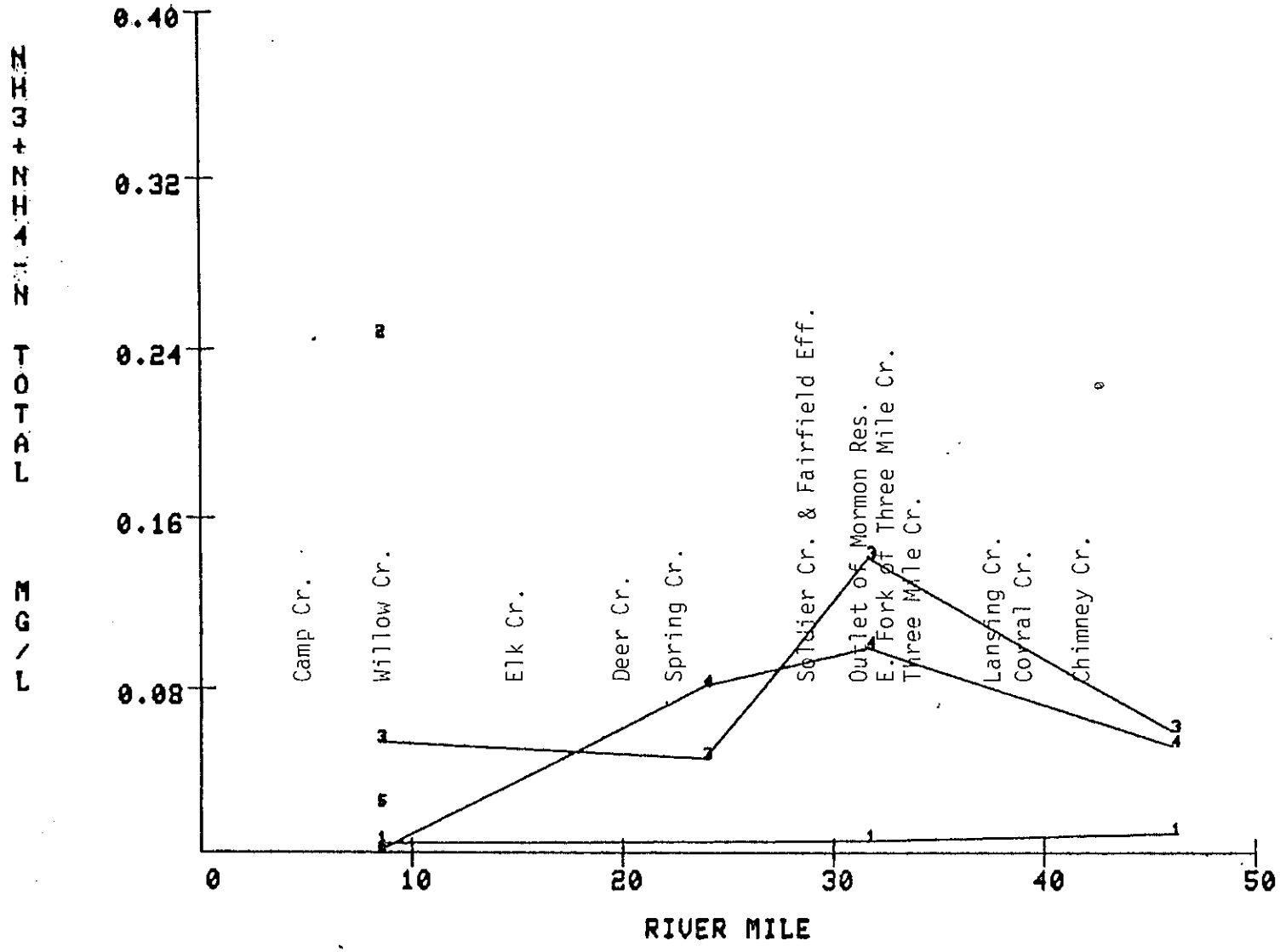
CAMAS CREEK
INTENSIVE SURVEY DATA FOR 5 DAYS OF MONITORING
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