

WEISER RIVER STUDY

Adams and Washington Counties

Data Collected 1979

Final Summary October 1980

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

**Water Quality Summary
No. 6**

WEISER RIVER STUDY
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SUMMARY OF WEISER RIVER STUDY

During the 1979 Water Year a water quality study was conducted on the Weiser and Little Weiser Rivers in Washington and Adams Counties, Idaho. The study was completed to obtain background information on effluent limitations for the cities of Cambridge and Council and to preliminarily assess the impact of nonpoint sources on the Little Weiser River. In the study sampling stations were located at two Weiser River locations, on Hornet Creek, and at the Council and Cambridge discharges. Two stations were also established on the Little Weiser River and all stations were monitored approximately bi-monthly. The major parameter categories to be monitored were as follows:

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

The results of the study indicate the water quality of the Weiser River in the Council to Cambridge area is generally good. The major problems were frequent bacteria violations at Council and occasional violations above Cambridge. Some excessive turbidity values were also recorded. On the Little Weiser River the major problem was bacteria violations near the mouth.

The 1979 Water Year had an abnormally low amount of runoff, and in a normal or high runoff year more water quality problems would be expected on both the Little Weiser River and the main Weiser River. Previous intermittent monitoring on the Little Weiser River has shown it to be of poor water quality and a comprehensive study on the stream is needed to locate nonpoint sources impacting the stream. A Channel Stability Analysis is also needed on the Little Weiser River to assess the reported impact of channel erosion. The application of best management practices to agricultural and sivicultural nonpoint sources on both the Weiser and Little Weiser River would improve the water quality of both streams.

An effluent limitation determination for the City of Council has found that secondary treatment will be sufficient to protect the quality of the Weiser River. Secondary treatment will also be adequate for the City of Cambridge.

DATA INVENTORY

2040159
 44 43 50.0 116 26 50.0 2
 WEISER RIVER AT COUNCIL
 16087 IDAHO
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 21DSURV 790630
 0000 CLASS 00

/T/PA/AMBNT/STREAM

INDEX 1310001 002740 05710
 MILES 0324.30 0351.80 068.90

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP CENT	5	7.10000	38.3000	6.18870	.871648	2.76767	15.0000	.000000	78/11/08	79/09/04
00042 ALTITUDE FEET AN MSL	1	2900.00					2900.00	2900.00	01/01/01	01/01/01
00061 STREAM FLOW, INST-CFS	4	248.187	123756	351.790	1.41743	175.895	772.750	41.0000	78/11/08	79/09/04
00076 TURB TRBDIMK HACH FTU	6	3.61666	31.3817	5.60194	1.54892	2.28698	15.0000	.700000	78/11/08	79/09/04
00095 CONDUCTIVY AT 25C MICROMHU	6	102.667	689.073	25.8665	.251946	10.5599	138.000	65.0000	78/11/08	79/09/04
00116 INTNSVE SURVEY IDENT	7	791602	.524E+06	.000000		.000000	791602	791602	01/01/01	79/09/04
00300 DO MG/L	4	11.0000	2.96012	1.72050	.156409	.860250	12.8000	8.80000	78/11/08	79/09/04
00310 BOD 5 DAY MG/L	6	2.36667	14.2347	3.77289	1.59418	1.54027	10.0000	10.0000	78/11/08	79/09/04
00335 COD LOWLEVEL MG/L	5	9.01999	7.10217	2.66499	.295454	1.19182	11.8000	5.10000	78/11/08	79/09/04
00400 PH SU	5	8.16000	.043091	.207583	.025439	.092834	8.50000	8.00000	78/11/08	79/09/04
00410 T ALK CACU3 MG/L	3	55.6667	34.3359	5.85969	.105264	3.38309	60.0000	49.0000	78/11/08	79/09/04
00425 HC03 ALK CACU3 MG/L	3	55.6667	34.3359	5.85969	.105264	3.38309	60.0000	49.0000	78/11/08	79/09/04
00430 CU3 ALK CACU3 MG/L	3	1.00000	.000000	.000000		.000000	1.00000	1.00000	78/11/08	79/09/04
00500 RESIDUE TOTAL MG/L	6	101.667	351.473	18.7476	.184403	7.65368	125.000	76.0000	78/11/08	79/09/04
00530 RESIDUE TDTNFLT MG/L	6	14.8333	261.367	16.1668	1.08990	6.60008	46.0000	3.00000	78/11/08	79/09/04
00610 NH3+NH4- N TOTAL MG/L	6	.049833	.003112	.055783	1.11940	.022773	.141000	.003000	78/11/08	79/09/04
00615 NO2-N TOTAL MG/L	4	.001000	.151E-11	.000001	.001231	.815E-06	.001000	.001000	78/11/08	79/09/04
00620 NO3-N TOTAL MG/L	1	.017000					.017000	.017000	78/11/08	78/11/06
00625 TDT KJEL N MG/L	6	.328333	.031537	.177586	.540871	.072499	.500000	.030000	78/11/08	79/09/04
00630 NO2&NO3 N-TOTAL MG/L	5	.113400	.014933	.122200	1.07760	.054649	.331000	.051000	79/01/24	79/09/04
00665 PHOS-TOT MG/L P	5	.076000	.003880	.062290	.819602	.027857	.180000	.020000	79/01/24	79/09/04
00900 TDT HARD CALD3 MG/L	3	45.3333	9.33594	3.05548	.067400	1.76408	48.0000	42.0000	78/11/08	79/09/04
00916 CALCIUM CA-TOT MG/L	3	10.5333	.373535	.611175	.058023	.352862	11.2000	10.0000	78/11/08	79/09/04
00927 MGNSIUM MG,TOT MG/L	3	4.00000	.070000	.264575	.066144	.152752	4.30000	3.86000	78/11/08	79/09/04
00929 SODIUM NA,TOT MG/L	3	8.56666	4.81354	2.19398	.256106	1.26669	10.3000	6.10000	78/11/08	79/09/04
00937 PTSSIUM K,TOT MG/L	3	1.73333	.043334	.208169	.120098	.120187	1.90000	1.50000	78/11/08	79/09/04
00940 CHLORIDE CL MG/L	3	2.03333	.003335	.057749	.028401	.033342	2.10000	2.00000	78/11/08	79/09/04
00945 SULFATE SO4-TOT MG/L	3	10.3333	.333496	.577491	.055886	.333415	11.0000	10.0000	78/11/08	79/09/04
00951 FLUORIDE F,TOTAL MG/L	3	.153333	.002133	.046188	.301227	.026667	.180000	.100000	78/11/08	79/09/04
00956 SILICA TOTAL MG/L	3	29.1000	28.6305	5.35075	.183874	3.08925	34.5000	23.8000	78/11/08	79/09/04
01002 ARSENIC AS,TOT UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	78/11/08	79/09/04
01022 BORDN B,TOT UG/L	3	120.000	1200.00	34.6410	.288675	20.0000	160.000	100.000	79/01/24	79/09/04
01027 CADMIUM CD,TOT UG/L	4	1.00000	.000000	.000000		.000000	1.00000	1.00000	78/11/08	79/09/04
01034 CHROMIUM CR,TOT UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	78/11/08	79/09/04
01042 CUPPER CU,TOT UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	78/11/08	79/09/04
01045 IRON FE,TOT UG/L	4	232.500	7291.66	85.3912	.367274	42.6956	320.000	120.000	78/11/08	79/09/04
01051 LEAD PB,TOT UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	78/11/08	79/09/04
01055 MANGNESE MN UG/L	4	12.5000	25.0000	5.00000	.400000	2.50000	20.0000	10.0000	78/11/08	79/09/04
01092 ZINC ZN,TOT UG/L	4	1.25000	.250000	.500000	.400000	.250000	2.00000	1.00000	78/11/08	79/09/04

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WEISER RIVER AT COUNCIL

16087 IDAHO

PACIFIC NORTHWEST 130700

MIDDLE SNAKE

211DSURV 790630

0000 CLASS 00

/TYP/AMBNT/STREAM

INDEX 1310001 002740 05710

MILES 0324.30 0351.80 068.90

PARAMETER

PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAN ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01501 ALPHA	TOTAL	PC/L	4	.840000	.260533	.510425	.607649	.255212	1.42000	.200000	78/11/08	79/09/04
03501 BETA	TOTAL	PC/L	4	1.04000	.949801	.974577	.937094	.487289	2.26000	.200000	78/11/08	79/09/04
31501 TOT COLI	MFIMENDO	/100ML	1	210.000					210.000	210.000	78/11/08	78/11/08
31616 FEC COLI	MFM-FCBR	/100ML	6	216.000	99968.0	316.177	1.46378	129.079	850.000	10.0000	78/11/08	79/09/04
31679 FECSTREP	MF M-ENT	/100ML	6	75.8333	3964.17	62.9617	.830264	25.7040	160.000	10.0000	78/11/08	79/09/04
70507 PHOS-T	ORTHO	MG/L P	6	.009333	.000038	.006154	.659312	.002512	.021000	.003000	78/11/08	79/09/04
71900 MERCURY	HG,TOTAL	UG/L	3	.500000	.000000	.000000		.000000	.500000	.500000	78/11/08	79/09/04
74010 IRON	FE	MG/L	1	120.000					120.000	120.000	78/11/08	78/11/08

2040160
 44 34 50.0 116 38 20.0 2
 WEISER R AT USGS
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 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 21IDSURV 790630
 0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 05710

MILES 0324.30 0351.80 048.70

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP CENT	5	9.10000	69.8000	8.35464	.918093	3.73631	21.0000	.000000	78/11/08	79/09/04
00042 ALTITUDE FEET AB MSL	1	2660.00					2660.00	2660.00	01/01/01	01/01/01
00061 STREAM FLOW, INST-CFS	6	642.000	603192	776.655	1.20974	317.068	1830.00	47.0000	78/11/08	79/09/04
00070 TURB JKSJN JTU	1	.700000					.700000	.700000	78/11/08	78/11/08
00076 TURB TRBIDMTR HACH FTU	6	8.38333	107.350	10.3610	1.23590	4.22985	23.0000	.600000	78/11/08	79/09/04
00095 CONDUCTIVY AT 25C MICROMHU	6	101.833	696.973	26.4002	.259249	10.7779	138.000	67.0000	78/11/08	79/09/04
00116 INTNSVE SURVEY IDENT	7	791602	.524E+06	.000000		.000000	791602	791602	01/01/01	79/09/04
00300 DU MG/L	4	11.1750	2.68262	1.63787	.146566	.818935	12.8000	9.20000	78/11/08	79/09/04
00310 BOD 5 DAY MG/L	6	1.46667	.234666	.484424	.330289	.197765	2.10000	.900000	78/11/08	79/09/04
00335 COD LOWLEVEL MG/L	6	8.89999	46.5159	6.82026	.766322	2.78436	20.3000	.400000	78/11/08	79/09/04
00400 PH SU	5	8.36000	.038086	.195156	.023344	.087276	8.50000	8.10000	78/11/08	79/09/04
00410 I ALK CAC03 MG/L	4	49.5000	189.667	13.7720	.278221	6.88598	58.0000	29.0000	78/11/08	79/09/04
00425 HCO3 ALK CAC03 MG/L	4	49.5000	189.667	13.7720	.278221	6.88598	58.0000	29.0000	78/11/08	79/09/04
00430 CO3 ALK CAC03 MG/L	3	1.00000	.000000	.000000		.000000	1.00000	1.00000	79/01/24	79/09/04
00500 RESIDUE TOTAL MG/L	6	87.0000	537.200	23.1776	.266409	9.46221	115.000	57.0000	78/11/08	79/09/04
00530 RESIDUE TOT NFLT MG/L	6	18.5000	535.500	23.1409	1.25086	9.44722	63.0000	1.00000	78/11/08	79/09/04
00610 NH3+NH4- N TOTAL MG/L	6	.038833	.001540	.039240	1.01047	.016020	.113000	.006000	78/11/08	79/09/04
00615 NO2-N TOTAL MG/L	5	.004200	.000037	.006058	1.44239	.002709	.015000	.001000	78/11/08	79/09/04
00620 NO3-N TOTAL MG/L	1	.053000					.053000	.053000	78/11/08	78/11/08
00625 TOT KJEL N MG/L	5	.560000	.248200	.498197	.889637	.222800	1.32000	.100000	79/01/24	79/09/04
00630 NO2&NO3 N-TOTAL MG/L	5	.259800	.072244	.268782	1.03457	.120203	.700000	.070000	79/01/24	79/09/04
00665 PHOS-TOT MG/L P	6	.071667	.002697	.051929	.724598	.021200	.170000	.030000	78/11/08	79/09/04
00669 PHOS-TOT HYDRO MG/L P	1	1.00000					1.00000	1.00000	78/11/08	78/11/08
00900 TOT HARD CAC03 MG/L	4	40.0000	146.667	12.1106	.302765	6.05530	48.0000	22.0000	78/11/08	79/09/04
00916 CALCIUM CA-TOT MG/L	4	9.55000	7.05005	2.65519	.278031	1.32760	11.2000	5.60000	78/11/08	79/09/04
00927 MGNSIUM MG, TOT MG/L	4	3.67500	1.10916	1.05316	.286575	.526582	4.30000	2.10000	78/11/08	79/09/04
00929 SODIUM NA, TOT MG/L	4	30.0750	2058.13	45.3666	1.50845	22.6833	98.0000	3.60000	78/11/08	79/09/04
00937 PISSIUM K, TOT MG/L	4	1.70000	.220002	.469044	.275909	.234522	2.30000	1.20000	78/11/08	79/09/04
00940 CHLORIDE CL MG/L	4	3.07500	.675827	.822087	.267345	.411043	4.00000	2.00000	78/11/08	79/09/04
00945 SULFATE SU4-TOT MG/L	4	9.00000	4.00000	2.00000	.222222	1.00000	10.0000	6.00000	78/11/08	79/09/04
00950 FLUORIDE F, DISS MG/L	1	.100000					.100000	.100000	78/11/08	78/11/08
00951 FLUORIDE F, TOTAL MG/L	3	.136667	.000933	.030551	.223542	.017638	.170000	.110000	79/01/24	79/09/04
00956 SILICA TOTAL MG/L	4	28.9750	27.9224	5.28416	.182370	2.64208	35.8000	23.0000	78/11/08	79/09/04
01002 ARSENIC AS, TOT UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	78/11/08	79/09/04
01022 BORON B, TOT UG/L	3	186.667	5733.37	75.7191	.405038	43.7164	240.000	100.000	79/01/24	79/09/04
01027 CADMIUM CD, TOT UG/L	4	1.00000	.000000	.000000		.000000	1.00000	1.00000	78/11/08	79/09/04
01032 CHROMIUM HEX-VAL UG/L	1	50.0000					50.0000	50.0000	79/05/22	79/05/22
01034 CHROMIUM CR, TOT UG/L	4	50.0000	.000000	.000000		.000000	50.0000	50.0000	78/11/08	79/09/04
01042 COPPER CU, TOT UG/L	4	10.0000	.000000	.000000		.000000	10.0000	10.0000	78/11/08	79/09/04

2040160
 44 34 50.0 116 38 20.0 2
 WEISER R AT USGS
 16087 IDAHO
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 211DSURV 790630
 0000 CLASS 00

/TYP/AMBNT/STREAM

INDEX 1310001 002740 05710
 MILES 0324.30 0351.80 048.70

PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01045 IRON	FE, TOT	UG/L	4	285.000	49766.7	223.084	.782752	111.542	610.000	110.000	78/11/08	79/09/04
01051 LEAD	PB, TOT	UG/L	4	50.0000	.000000	.000000	.000000	.000000	50.0000	50.0000	78/11/08	79/09/04
01055 MANGNESE	MN	UG/L	4	12.5000	25.0000	5.00000	.400000	2.50000	20.0000	10.0000	78/11/08	79/09/04
01092 ZINC	ZN, TOT	UG/L	4	6.75000	132.250	11.5000	1.70370	5.75000	24.0000	1.00000	78/11/08	79/09/04
01501 ALPHA	TOTAL	PC/L	4	.225000	.007567	.006986	.386606	.043493	.300000	.100000	78/11/08	79/09/04
03501 BETA	TOTAL	PC/L	4	1.51000	.171068	.413604	.273910	.206802	2.00000	1.00000	78/11/08	79/09/04
31501 TOT COLI	MFIMENDU	/100ML	1	110.000					110.000	110.000	78/11/08	78/11/08
31616 FEC COLI	MF M-FCBR	/100ML	6	64.1667	4524.17	67.2619	1.04824	27.4596	200.000	20.0000	78/11/08	79/09/04
31679 FECSTREP	MF M-ENT	/100ML	6	59.1667	1764.17	42.0020	.709894	17.1472	100.000	10.0000	78/11/08	79/09/04
70507 PHUS-T	ORTHO	MG/L P	6	.014000	.000058	.007589	.542107	.003098	.027000	.006000	78/11/08	79/09/04
71900 MERCURY	HG, TOTAL	UG/L	4	.500000	.000000	.000000		.000000	.500000	.500000	78/11/08	79/09/04
74010 IRON	FE	MG/L	1	110.000					110.000	110.000	78/11/08	78/11/08

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 44 44 45.0 116 28 55.0 2
 HORNET CK NW OF COUNCIL
 16087 IDAHO
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 2110SURV 790616
 0000 CLASS 00

/TYPA/AMBNT/SIREAM

INDEX 1310001 002740 05710 0670
 MILES 0324.30 0351.80 068.20 002.40

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP CENT	5	6.40000	33.3000	5.77062	.901659	2.58070	15.0000	.000000	78/11/08	79/09/04
00042 ALTITUDE FEET AB MSL	1	2980.00					2980.00	2980.00	01/01/01	01/01/01
00061 SIREAM FLOW, INST-CFS	4	149.024	66620.8	258.110	1.73200	129.055	534.896	1.00000	78/11/08	79/09/04
00076 TURB TRBDMTR HACH FTU	6	4.45000	30.8510	5.55437	1.24617	2.26756	15.0000	.500000	78/11/08	79/09/04
00095 CONDUCTIVY AT 25C MICROMHO	6	111.167	978.975	31.2886	.281456	12.7735	141.000	71.0000	78/11/08	79/09/04
00116 INTINSVE SURVEY IDENT	7	791602	.524E+06	.000000		.000000	791602	791602	01/01/01	79/09/04
00300 DU MG/L	4	10.8500	1.97672	1.40596	.129582	.702980	12.1000	8.90000	78/11/08	79/09/04
00310 BOD 5 DAY MG/L	6	1.06667	.538668	.733940	.688069	.299630	1.80000	.200000	78/11/08	79/09/04
00335 COD LOWLEVL MG/L	6	8.93333	19.7307	4.44193	.497231	1.81341	14.8000	2.70000	78/11/08	79/09/04
00400 PH SU	5	7.95999	.188049	.433647	.054478	.193933	8.60000	7.40000	78/11/08	79/09/04
00410 T ALK CACU3 MG/L	1	64.0000					64.0000	64.0000	78/11/08	78/11/08
00425 HCU3 ALK CACU3 MG/L	1	64.0000					64.0000	64.0000	78/11/08	78/11/08
00430 CU3 ALK CACU3 MG/L	1	1.00000					1.00000	1.00000	78/11/08	78/11/08
00500 RESIDUE TOTAL MG/L	6	109.333	254.275	15.9460	.145848	6.50993	131.000	94.0000	78/11/08	79/09/04
00530 RESIDUE TOT NFLT MG/L	6	18.6667	148.667	12.1929	.653192	4.97774	35.0000	4.00000	78/11/08	79/09/04
00610 NH3+NH4- N TOTAL MG/L	6	.068667	.005963	.077223	1.12461	.031526	.215000	.012000	78/11/08	79/09/04
00615 NO2-N TOTAL MG/L	4	.001500	.333E-06	.000577	.384901	.000289	.002000	.001000	78/11/08	79/09/04
00620 NO3-N TOTAL MG/L	1	.029000					.029000	.029000	78/11/08	78/11/08
00625 TOT KJEL N MG/L	5	.370000	.034500	.185743	.502008	.083067	.600000	.100000	79/01/24	79/09/04
00630 NO2&NO3 N-TOTAL MG/L	5	.153000	.013667	.116908	.764105	.052283	.311000	.009000	79/01/24	79/09/04
00665 PHOS-TOT MG/L P	6	.071667	.001177	.034303	.478642	.014004	.110000	.020000	78/11/08	79/09/04
00900 TOT HARD CACU3 MG/L	1	54.0000					54.0000	54.0000	78/11/08	78/11/08
00916 CALCIUM CA-TOT MG/L	1	13.0000					13.0000	13.0000	78/11/08	78/11/08
00927 MGNSIUM MG, TOT MG/L	1	4.40000					4.40000	4.40000	78/11/08	78/11/08
00929 SODIUM NA, TOT MG/L	1	5.90000					5.90000	5.90000	78/11/08	78/11/08
00937 PISSIUM K, TOT MG/L	1	1.80000					1.80000	1.80000	78/11/08	78/11/08
00940 CHLORIDE CL MG/L	1	2.00000					2.00000	2.00000	78/11/08	78/11/08
00945 SULFATE SO4-TOT MG/L	1	10.0000					10.0000	10.0000	78/11/08	78/11/08
00951 FLUORIDE F, TOTAL MG/L	1	.080000					.080000	.080000	78/11/08	78/11/08
00956 SILICA TOTAL MG/L	1	33.8000					33.8000	33.8000	78/11/08	78/11/08
01002 ARSENIC AS, TOT UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	78/11/08	79/05/22
01022 BORON B, TOT UG/L	1	100.000					100.000	100.000	79/05/22	79/05/22
01027 CADMIUM CD, TOT UG/L	2	1.00000	.000000	.000000		.000000	1.00000	1.00000	78/11/08	79/05/22
01032 CHROMIUM HEX-VAL UG/L	1	50.0000					50.0000	50.0000	79/05/22	79/05/22
01034 CHROMIUM CR, TOT UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	78/11/08	79/05/22
01042 COPPER CU, TOT UG/L	2	10.0000	.000000	.000000		.000000	10.0000	10.0000	78/11/08	79/05/22
01045 IRON FE, TOT UG/L	2	355.000	110450	332.340	.936169	235.000	590.000	120.000	78/11/08	79/05/22
01051 LEAD PB, TOT UG/L	2	50.0000	.000000	.000000		.000000	50.0000	50.0000	78/11/08	79/05/22
01055 MANGNESE MN UG/L	2	30.0000	200.000	14.1421	.471404	10.0000	40.0000	20.0000	78/11/08	79/05/22

2040163
 44 44 45.0 116 28 55.0 2
 HORNET CK NW OF COUNCIL
 16087 IDAHO
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 211DSURV 790616
 0000 CLASS 00

/TTPA/AMBNT/STREAM

INDEX 1310001 002740 05710 0670
 MILES 0324.30 0351.80 068.20 002.40

PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01092 ZINC	ZN,TOT	UG/L	2	2.00000	.000000	.000000		.000000	2.00000	2.00000	78/11/08	79/05/22
02022 INVALID	PAR	NUMBER	1	100.000					100.000	100.000	79/05/22	79/05/22
31501 TOT CULI	MFIMENDO	/100ML	1	200.000					200.000	200.000	78/11/08	78/11/08
31616 FEC CULI	MFM-FCBR	/100ML	6	279.000	54640.0	233.752	.837821	95.4288	650.000	39.0000	78/11/08	79/09/04
31679 FECSTREP	MF M-ENT	/100ML	6	176.833	35768.2	189.125	1.06951	77.2099	500.000	10.0000	78/11/08	79/09/04
70507 PHUS-T	OKTHU	MG/L P	6	.016500	.000120	.010968	.664736	.004478	.033000	.006000	78/11/08	79/09/04
71900 MERCURY	HG,TOTAL	UG/L	2	.500000	.000000	.000000		.000000	.500000	.500000	78/11/08	79/05/22
74010 IRON	FE	MG/L	1	120.000					120.000	120.000	78/11/08	78/11/08

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 44 28 50.0 116 23 25.0 2
 LITTLE WEISER AB INDIAN VALLEY
 16087 IDAHO
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 211DSURV 790602
 0000 CLASS 00

/TYPA/AMBNT/STREAM

INDEX 1310001 002740 05710 0460
 MILES 0324.30 0351.80 044.40 020.90

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP	5	7.10000	42.0500	6.46460	.913324	2.90000	17.0000	.000000	78/11/09	79/09/04
00042 ALTITUDE	1	2300.00					2300.00	2300.00	01/01/01	01/01/01
00061 STREAM FLOW	3	100.239	7523.44	86.7377	.865307	50.0780	172.378	4.00000	79/03/28	79/09/04
00076 TURB	6	2.43333	6.37467	2.52481	1.03759	1.03075	5.80000	.300000	78/11/09	79/09/04
00095 CONDUCTVY	5	82.4000	824.306	28.7107	.348431	12.8398	115.000	51.0000	78/11/09	79/09/04
00116 ININSVE SURVEY	7	791602	.524E+06	.000000	.000000	.000000	791602	791602	01/01/01	79/09/04
00300 DD	4	10.9250	2.12931	1.45922	.133567	.729608	12.4000	9.00000	78/11/09	79/09/04
00310 BOD	6	2.80000	15.3040	3.91203	1.39716	1.59708	10.7000	.400000	78/11/09	79/09/04
00335 COD	6	6.03333	14.9667	3.86868	.641218	1.57938	12.0000	1.80000	78/11/09	79/09/04
00400 PH	5	8.27999	.077148	.277756	.033545	.124216	8.60000	7.90000	78/11/09	79/09/04
00410 I ALK	2	45.0000	288.000	16.9706	.377124	12.0000	57.0000	33.0000	78/11/09	79/05/22
00425 HCO3 ALK	2	45.0000	288.000	16.9706	.377124	12.0000	57.0000	33.0000	78/11/09	79/05/22
00430 CO3 ALK	2	1.00000	.000000	.000000	.000000	.000000	1.00000	1.00000	78/11/09	79/05/22
00500 RESIDUE TOTAL	6	94.3333	226.272	15.0423	.159459	6.14101	109.000	69.0000	78/11/09	79/09/04
00530 RESIDUE TOT WFLT	6	17.8333	376.567	19.4053	1.08815	7.92219	53.0000	3.00000	78/11/09	79/09/04
00610 NH3+NH4-N TOTAL	6	.030167	.000954	.030890	1.02396	.012611	.092000	.011000	78/11/09	79/09/04
00615 NO2-N TOTAL	4	.001250	.250E-06	.000500	.400003	.000250	.002000	.001000	78/11/09	79/09/04
00620 NO3-N TOTAL	2	.051364	.000364	.019092	.370715	.013500	.065000	.030000	78/11/09	79/09/04
00625 TOT KJEL N	6	.351666	.056817	.238363	.677810	.097311	.600000	.060000	78/11/09	79/09/04
00630 NO2&NO3 N-TOTAL	5	.133000	.003133	.055973	.420851	.025032	.192000	.066000	79/01/24	79/09/04
00665 PHOS-TOT	5	.060000	.001150	.033912	.565195	.015166	.120000	.040000	79/01/24	79/09/04
00900 TOT HARD	2	34.0000	392.000	19.7990	.582323	14.0000	48.0000	20.0000	78/11/09	79/05/22
00916 CALCIUM	2	7.80000	9.58002	3.11127	.398881	2.20000	10.0000	5.60000	78/11/09	79/05/22
00925 MGNSIUM	1	.600000					.600000	.600000	79/05/22	79/05/22
00927 MGNSIUM	2	3.25000	2.20500	1.48493	.456900	1.05000	4.30000	2.20000	78/11/09	79/05/22
00929 SODIUM	2	3.40000	1.62001	1.27280	.374352	.900003	4.30000	2.50000	78/11/09	79/05/22
00937 PFISSIUM	2	1.35000	.045002	.212137	.157138	.150003	1.50000	1.20000	78/11/09	79/05/22
00940 CHLORIDE	2	3.00000	2.00000	1.41421	.471404	1.00000	4.00000	2.00000	78/11/09	79/05/22
00945 SULFATE	2	7.50000	17.5000	3.53553	.471404	2.50000	10.0000	5.00000	78/11/09	79/05/22
00951 FLUORIDE	2	.095000	.000450	.021213	.223297	.015000	.110000	.080000	78/11/09	79/05/22
00956 SILICA	2	30.6500	88.4448	9.40451	.306836	6.64999	37.3000	24.0000	78/11/09	79/05/22
01002 ARSENIC	1	10.0000					10.0000	10.0000	78/11/09	78/11/09
01027 CADMIUM	1	1.00000					1.00000	1.00000	78/11/09	78/11/09
01034 CHROMIUM	1	50.0000					50.0000	50.0000	78/11/09	78/11/09
01042 COPPER	1	10.0000					10.0000	10.0000	78/11/09	78/11/09
01045 IRON	1	250.000					250.000	250.000	78/11/09	78/11/09
01051 LEAD	1	50.0000					50.0000	50.0000	78/11/09	78/11/09
01055 MANGNESE	1	20.0000					20.0000	20.0000	78/11/09	78/11/09
01092 ZINC	1	1.00000					1.00000	1.00000	78/11/09	78/11/09

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 LITTLE WEISLR AB INDIAN VALLEY
 16087 IDAHU
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 21IDSURV 790602
 0000 CLASS 00

/IYPA/AMBNT/STREAM

INDEX 1310001 002740 05710 0460
 MILES 0324.30 0351.80 044.40 020.90

PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
31501 TOT COLI	MFIMENDU	/100ML	1	57.0000					57.0000	57.0000	78/11/09	78/11/09
31616 FEC COLI	MFM-FCBR	/100ML	6	31.1667	1633.77	40.4199	1.29689	16.5013	110.000	1.00000	78/11/09	79/09/04
31679 FECSTREP	MF H-ENT	/100ML	6	32.5000	663.100	25.7507	.792330	10.5127	72.0000	5.00000	78/11/09	79/09/04
70507 PHOS-I	ORTHO	MG/L P	6	.015500	.000052	.007232	.466576	.002952	.023000	.006000	78/11/09	79/09/04
71900 MERCURY	HG,TOTAL	UG/L	1	.500000					.500000	.500000	78/11/09	78/11/09
74010 IRON	FE	MG/L	1	250.000					250.000	250.000	78/11/09	78/11/09
80154 SUSP SED	CUNC	MG/L	3	16.6667	560.334	23.6714	1.42028	13.6667	44.0000	3.00000	79/05/22	79/09/04

2040165
 44 32 45.0 116 39 20.0 2
 LITTLE WEISER NEAR MOUTH
 16087 IDAHO
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 211DSUKV 790616
 0000 CLASS 00

/T/PA/AMBNT/STREAM

INDEX 1310001 002740 05710 0460
 MILES 0324.30 0351.80 044.40 002.00

PARAMETER	TEMP	CENT	NUMBER	MEAN	VARIANCE	STAN DEV	CULF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER	TEMP	CENT	4	12.8750	57.0625	7.55397	.586716	3.77699	22.0000	5.50000	78/11/08	79/09/04
00042 ALTITUDE	FEET	AB MSL	1	2640.00					2640.00	2640.00	01/01/01	01/01/01
00061 STREAM	FLOW,	INST-CFS	4	126.447	29090.2	170.559	1.34885	85.2792	373.290	10.0000	78/11/08	79/09/04
00076 TURB	TRBDMTR	HACH FTU	5	5.61999	12.8221	3.58079	.657152	1.60138	10.0000	2.40000	78/11/08	79/09/04
00095 CONDUCTVY	AT 25C	MICROMHO	5	116.600	1580.31	39.7531	.340936	17.7781	168.000	69.0000	78/11/08	79/09/04
00116 ININSVE	SURVEY	IDENT	6	791602-	.419E+06	.000000	.000000	.000000	791602	791602	01/01/01	79/09/04
00300 DO		MG/L	3	10.8333	.563477	.750651	.069291	.433388	11.6000	10.1000	78/11/08	79/09/04
00310 BOD	5 DAY	MG/L	5	1.52000	2.98700	1.72829	1.13704	.772916	4.50000	.100000	78/11/08	79/09/04
00335 COD	LOWLEVEL	MG/L	5	12.4000	19.3851	4.40285	.355068	1.96901	19.2000	8.50000	78/11/08	79/09/04
00400 PH		SU	4	8.39999	.033447	.182886	.021772	.091443	8.60000	8.20000	78/11/08	79/09/04
00410 T ALK	CAC03	MG/L	3	63.3333	790.336	28.1129	.443888	16.2310	82.0000	31.0000	78/11/08	79/09/04
00425 HCO3 ALK	CAC03	MG/L	3	63.3333	790.336	28.1129	.443888	16.2310	82.0000	31.0000	78/11/08	79/09/04
00430 CO3 ALK	CAC03	MG/L	3	1.00000	.000000	.000000	.000000	1.00000	1.00000	1.00000	78/11/08	79/09/04
00500 RESIDUE	TOTAL	MG/L	5	116.800	239.219	15.4667	.132420	6.91692	138.000	95.0000	78/11/08	79/09/04
00530 RESIDUE	TOT NFLT	MG/L	5	19.8000	504.200	22.4544	1.13406	10.0419	59.0000	2.00000	78/11/08	79/09/04
00610 NH3+NH4-	N TOTAL	MG/L	5	.080400	.010452	.102234	1.27157	.045720	.259000	.017000	78/11/08	79/09/04
00615 NO2-N	TOTAL	MG/L	2	.002000	.100E-10	.000003	.001581	.000002	.002000	.002000	78/11/08	79/06/19
00620 NO3-N	TOTAL	MG/L	1	.020000					.020000	.020000	78/11/08	78/11/08
00625 TUI KJEL	N	MG/L	4	1.02500	.729166	.853912	.833085	.426956	2.30000	.500000	79/03/28	79/09/04
00630 NO2&NO3	N-TOTAL	MG/L	4	.287750	.040560	.201396	.699900	.100698	.540000	.108000	79/03/28	79/09/04
00665 PHOS-TOT		MG/L P	5	.102000	.000970	.031145	.305343	.013928	.140000	.070000	78/11/08	79/09/04
00900 TDI HARD	CAC03	MG/L	3	50.6667	533.336	23.0941	.455804	13.3334	64.0000	24.0000	78/11/08	79/09/04
00916 CALCIUM	CA-TOT	MG/L	3	12.2000	18.8400	4.34050	.355779	2.50599	15.0000	7.20000	78/11/08	79/09/04
00927 MAGNESIUM	MG,TOT	MG/L	3	5.16667	4.57333	2.13854	.413910	1.23468	6.50000	2.70000	78/11/08	79/09/04
00929 SODIUM	NA,TOT	MG/L	3	5.60000	5.16011	2.27159	.405641	1.31150	7.20000	3.00000	78/11/08	79/09/04
00937 POTASSIUM	K,TOT	MG/L	3	2.90000	2.73000	1.65227	.569749	.953940	4.60000	1.30000	78/11/08	79/09/04
00940 CHLORIDE	CL	MG/L	3	2.36667	.303337	.550760	.252716	.317982	3.00000	2.00000	78/11/08	79/09/04
00945 SULFATE	SU4-TOT	MG/L	3	8.00000	12.0000	3.46410	.433013	2.00000	10.0000	4.00000	78/11/08	79/09/04
00951 FLUORIDE	F,TOTAL	MG/L	3	.110000	.000400	.020000	.181819	.011547	.130000	.090000	78/11/08	79/09/04
00956 SILICA	TOTAL	MG/L	3	31.4333	46.0642	6.78706	.215919	3.91851	37.3000	24.0000	78/11/08	79/09/04
01002 ARSENIC	AS,TOT	UG/L	3	10.0000	.000000	.000000	.000000	10.0000	10.0000	10.0000	78/11/08	79/09/04
01027 CADMIUM	CD,TOT	UG/L	3	1.00000	.000000	.000000	.000000	1.00000	1.00000	1.00000	78/11/08	79/09/04
01032 CHROMIUM	HEX-VAL	UG/L	1	50.0000					50.0000	50.0000	79/05/22	79/05/22
01034 CHROMIUM	CR,TOT	UG/L	3	50.0000	.000000	.000000	.000000	50.0000	50.0000	50.0000	78/11/08	79/09/04
01042 COPPER	CU,TOT	UG/L	3	10.0000	.000000	.000000	.000000	10.0000	10.0000	10.0000	78/11/08	79/09/04
01045 IRON	FE,TOT	UG/L	3	653.333	195734	442.418	.677170	255.430	1120.00	240.000	78/11/08	79/09/04
01051 LEAD	PB,TOT	UG/L	3	50.0000	.000000	.000000	.000000	50.0000	50.0000	50.0000	78/11/08	79/09/04
01055 MANGNESE	MN	UG/L	3	36.6667	433.334	20.8167	.567728	12.0185	60.0000	20.0000	78/11/08	79/09/04
01092 ZINC	ZN,TOT	UG/L	3	9.00000	169.000	13.0000	1.44444	7.50555	24.0000	1.00000	78/11/08	79/09/04

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 LITTLE WEISER NEAR MOUTH
 16087 IDAHO
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 21IDSURV 790616
 0000 CLASS 00

/TYP/AMUNT/STREAM

INDEX 1310001 002740 05710 0460
 MILES 0324.30 0351.80 044.40 002.00

PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01501 ALPHA	TOTAL	PC/L	3	.760000	.046800	.216333	.284649	.124900	1.00000	.580000	78/11/08	79/09/04
03501 BETA	TOTAL	PC/L	3	3.02667	1.27303	1.12828	.372781	.651415	4.00000	1.79000	78/11/08	79/09/04
31501 TOT COLI	MFIMENDO	/100ML	1	470.000					470.000	470.000	78/11/08	78/11/08
31616 FEC COLI	MFM-FCBR	/100ML	5	1022.80	2818520	1678.84	1.64142	750.802	4000.00	24.0000	78/11/08	79/09/04
31679 FECSTREP	MF M-ENT	/100ML	5	851.000	2202180	1483.97	1.74380	663.654	3500.00	65.0000	78/11/08	79/09/04
70507 PHOS-T	URTHO	MG/L P	5	.030400	.000250	.015805	.519904	.007068	.051000	.007000	78/11/08	79/09/04
71900 MERCURY	HG, TOTAL	UG/L	3	.500000	.000000	.000000		.000000	.500000	.500000	78/11/08	79/09/04
80154 SUSP SED	CONC	MG/L	2	30.5000	1200.50	34.6482	1.13601	24.5000	55.0000	6.00000	79/05/22	79/06/19

2040167
 44 43 20.0 116 25 50.0 2
 COUNCIL EFFLUENT
 16087 IDAHO
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 211DSURV 790630
 0000 CLASS 00

/TYPA/MUN/TREATD/OUTFL/PIPE

INDEX 1310001 002740 05710
 MILES 0324.30 0351.80 068.00

PARAMETER	TEMP	CENT	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER			4	9.60000	55.7067	7.46369	.777468	3.73185	16.0000	.000000	79/01/24	79/09/04
00042 ALTITUDE	FEET	AB MSL	1	2880.00					2880.00	2880.00	01/01/01	01/01/01
00061 STREAM	FLOW,	INST-CFS	4	.371250	.110540	.332475	.895557	.166238	.830000	.100000	78/11/08	79/09/04
00076 TURB	TRBDIMR	HACH FTU	6	4.68333	5.33372	2.30949	.493129	.942843	8.20000	2.00000	78/11/08	79/09/04
00095 CONDUCTIVY	AT 25C	MICROMHO	6	254.833	2036.59	45.1286	.177091	18.4237	319.000	213.000	78/11/08	79/09/04
00116 INTNSVE	SURVEY	IDENT	7	791602	.524E+06	.000000		.000000	791602	791602	01/01/01	79/09/04
00300 DU		MG/L	3	0.93332	56.6235	7.52486	.842336	4.34448	14.1000	.300000	79/01/24	79/09/04
00310 BOD	S DAY	MG/L	6	14.0333	48.6588	6.97559	.497073	2.84777	25.0000	3.80000	78/11/08	79/09/04
00335 COD	LOWLEVEL	MG/L	5	61.0200	319.029	17.8614	.288926	7.98786	80.8000	38.4000	78/11/08	79/09/04
00400 PH		SU	5	8.10000	.455017	.674550	.083276	.301668	9.10000	7.30000	79/01/24	79/09/04
00410 T ALK	CACU3	MG/L	1	111.000					111.000	111.000	78/11/08	78/11/08
00425 HCO3 ALK	CACU3	MG/L	1	106.000					106.000	106.000	78/11/08	78/11/08
00430 CO3 ALK	CACU3	MG/L	1	5.00000					5.00000	5.00000	78/11/08	78/11/08
00500 RESIDUE	TOTAL	MG/L	6	206.000	4091.20	63.9625	.310497	26.1126	252.000	82.0000	78/11/08	79/09/04
00530 RESIDUE	TOT NFLT	MG/L	6	21.5333	197.707	19.0608	.652980	5.74031	38.0000	4.00000	78/11/08	79/09/04
00610 NH3+NH4-	N TOTAL	MG/L	6	1.71433	7.05505	2.65614	1.54937	1.08436	6.90000	.071000	78/11/08	79/09/04
00615 NO2-N	TOTAL	MG/L	5	.014800	.000193	.013882	.937951	.006208	.036000	.002000	78/11/08	79/09/04
00620 NO3-N	TOTAL	MG/L	1	.060000					.060000	.060000	78/11/08	78/11/08
00625 TOT NJEL	N	MG/L	5	5.23000	12.2695	3.50279	.669750	1.56649	11.3000	2.50000	79/01/24	79/09/04
00630 NO2&NO3	N-TOTAL	MG/L	5	.160400	.045877	.214109	1.33534	.095788	.520000	.012000	79/01/24	79/09/04
00665 PHOS-TOT		MG/L P	6	2.13833	1.54933	1.24472	.582100	.508156	3.75000	.710000	78/11/08	79/09/04
00900 TOT HARD	CACU3	MG/L	1	66.0000					66.0000	66.0000	78/11/08	78/11/08
00916 CALCIUM	CA-TOT	MG/L	1	14.0000					14.0000	14.0000	78/11/08	78/11/08
00927 MGNSIUM	MG, TOT	MG/L	1	6.50000					6.50000	6.50000	78/11/08	78/11/08
00929 SODIUM	NA, TOT	MG/L	1	32.3000					32.3000	32.3000	78/11/08	78/11/08
00937 PISSIUM	K, TOT	MG/L	1	7.70000					7.70000	7.70000	78/11/08	78/11/08
00940 CHLORIDE	CL	MG/L	1	14.0000					14.0000	14.0000	78/11/08	78/11/08
00945 SULFATE	SO4-TOT	MG/L	1	27.0000					27.0000	27.0000	78/11/08	78/11/08
00950 FLUORIDE	F, DISS	MG/L	1	.140000					.140000	.140000	78/11/08	78/11/08
00956 SILICA	TOTAL	MG/L	1	22.8000					22.8000	22.8000	78/11/08	78/11/08
01002 ARSENIC	AS, TOT	UG/L	1	10.0000					10.0000	10.0000	78/11/08	78/11/08
01027 CADMIUM	CD, TOT	UG/L	1	1.00000					1.00000	1.00000	78/11/08	78/11/08
01034 CHROMIUM	CR, TOT	UG/L	1	50.0000					50.0000	50.0000	78/11/08	78/11/08
01042 COPPER	CU, TOT	UG/L	1	10.0000					10.0000	10.0000	78/11/08	78/11/08
01045 IRON	FE, TOT	UG/L	1	110.000					110.000	110.000	78/11/08	78/11/08
01051 LEAD	PB, TOT	UG/L	1	50.0000					50.0000	50.0000	78/11/08	78/11/08
01055 MANGNESE	MN	UG/L	1	30.0000					30.0000	30.0000	78/11/08	78/11/08
01092 ZINC	ZN, TOT	UG/L	1	3.00000					3.00000	3.00000	78/11/08	78/11/08
31501 TOT COLI	MFIMENDO	/100ML	1	500.000					500.000	500.000	78/11/08	78/11/08

2040167
 44 43 20.0 116 25 50.0 2
 COUNCIL EFFLUENT
 16087 IDAHO
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 2110SURV 790630
 0000 CLASS 00

/TYP/MUN/TREATD/UOIFL/PIPE

INDEX 1310001 002740 05710
 MILES 0324.30 0351.80 068.00

PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
31616 FEC CUL1	MFM-FCBR	/100ML	6	3387.00	.662E+08	8138.78	2.40295	3322.65	20000.0	10.0000	78/11/08	79/09/04
31679 FECSTREP	MF M-ENT	/100ML	6	3387.50	.662E+08	8138.54	2.40252	3322.54	20000.0	10.0000	78/11/08	79/09/04
70507 PHOS-T	ORTHO	MG/L P	6	1.62083	1.34344	1.15907	.715107	.473188	3.10000	.430000	78/11/08	79/09/04
71900 MERCURY	HG, TOTAL	UG/L	1	.500000					.500000	.500000	78/11/08	78/11/08
74010 IRON	FE	MG/L	1	110.000					110.000	110.000	78/11/08	78/11/08
80154 SUSP SED	CUNC	MG/L	1	6.00000					6.00000	6.00000	79/05/22	79/05/22

2040168
 44 33 50.0 116 40 40.0 2
 CAMBRIDGE EFFLUENT
 16087 IDAHO
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 21IDSURV 790630
 0000 CLASS 00

/IYPA/MON/TREATD/OUTFL/PIPE

INDEX 1310001 002740 05710

MILES 0324.30 0351.80 045.90

PARAMETER	NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
00010 WATER TEMP CEN1	4	9.90000	53.0067	7.28057	.735411	3.64028	16.5000	.000000	79/01/24	79/09/04
00042 ALTITUDE FEET AB MSL	1	2640.00					2640.00	2640.00	01/01/01	01/01/01
00061 STREAM FLOW, INST-CFS	4	.175000	.007085	.004171	.480975	.042085	.269000	.100000	78/11/08	79/09/04
00070 TURB JKSN JTU	1	5.30000					5.30000	5.30000	78/11/08	78/11/08
00076 TURB TRBIDMTR HACH FTU	6	5.54999	.349100	.631743	.113828	.257908	6.30000	4.70000	78/11/08	79/09/04
00095 CONDUCTIVY AT 25C MICROMHO	6	371.333	1962.35	44.2964	.119296	18.0847	435.000	330.000	78/11/08	79/09/04
00116 INTNSVE SURVEY IDENT	7	791602	.524E+06	.000000		.000000	791602	791602	01/01/01	79/09/04
00300 DUJ MG/L	2	6.05000	70.8050	8.41457	1.39084	5.95000	12.0000	.100000	79/03/28	79/09/04
00310 BOD 5 DAY MG/L	6	15.2333	54.4828	7.38124	.484546	3.01338	25.0000	7.80000	78/11/08	79/09/04
00335 COD LOWLEVEL MG/L	5	66.1400	271.433	16.4752	.249096	7.36794	87.7000	41.6000	78/11/08	79/09/04
00400 PH SU	4	7.77500	.235875	.485670	.062466	.242835	8.50000	7.50000	79/01/24	79/09/04
00410 T ALK CACU3 MG/L	1	173.000					173.000	173.000	78/11/08	78/11/08
00425 HCO3 ALK CACU3 MG/L	1	173.000					173.000	173.000	78/11/08	78/11/08
00430 CU3 ALK CACU3 MG/L	1	1.00000					1.00000	1.00000	78/11/08	78/11/08
00500 RESIDUE TOTAL MG/L	6	305.000	640.000	25.2982	.082945	10.3280	341.000	267.000	78/11/08	79/09/04
00530 RESIDUE TOT NFLT MG/L	6	22.8333	89.7670	9.47454	.414944	3.86797	41.0000	16.0000	78/11/08	79/09/04
00610 NH3+NH4- N TOTAL MG/L	6	2.47200	5.72752	2.39322	.968132	.977029	7.23000	.802000	78/11/08	79/09/04
00615 NO2-N TOTAL MG/L	4	.016250	.000017	.004113	.253111	.002057	.021000	.011000	78/11/08	79/09/04
00620 NO3-N TOTAL MG/L	2	.028500	.000144	.012021	.421783	.008500	.037000	.020000	78/11/08	79/09/04
00625 TOT KJEL N MG/L	5	6.56000	13.6930	3.70040	.564086	1.65487	13.1000	4.20000	79/01/24	79/09/04
00630 NO2&NO3 N-TOTAL MG/L	5	.219000	.146854	.383215	1.74984	.171379	.902000	.018000	79/01/24	79/09/04
00665 PHOS-TOT MG/L P	6	2.38333	.756222	.869611	.364872	.355017	4.00000	1.66000	78/11/08	79/09/04
00669 PHOS-TOT HYDRO MG/L P	1	1.00000					1.00000	1.00000	78/11/08	78/11/08
00900 TOT HARD CACU3 MG/L	1	76.0000					76.0000	76.0000	78/11/08	78/11/08
00916 CALCIUM CA-TOT MG/L	1	15.0000					15.0000	15.0000	78/11/08	78/11/08
00927 MGNSIUM MG,TOT MG/L	1	6.20000					6.20000	6.20000	78/11/08	78/11/08
00929 SODIUM NA,TOT MG/L	1	54.2000					54.2000	54.2000	78/11/08	78/11/08
00937 PISSIUM K,TOT MG/L	1	8.20000					8.20000	8.20000	78/11/08	78/11/08
00940 CHLORIDE CL MG/L	1	14.0000					14.0000	14.0000	78/11/08	78/11/08
00945 SULFATE SO4-TOT MG/L	1	29.0000					29.0000	29.0000	78/11/08	78/11/08
00951 FLUORIDE F,TOTAL MG/L	1	.500000					.500000	.500000	78/11/08	78/11/08
00956 SILICA TOTAL MG/L	1	57.8000					57.8000	57.8000	78/11/08	78/11/08
01002 ARSENIC AS,TOT UG/L	1	10.0000					10.0000	10.0000	78/11/08	78/11/08
01027 CADMIUM CD,TOT UG/L	1	1.00000					1.00000	1.00000	78/11/08	78/11/08
01034 CHROMIUM CR,TOT UG/L	1	50.0000					50.0000	50.0000	78/11/08	78/11/08
01042 COPPER CU,TOT UG/L	1	10.0000					10.0000	10.0000	78/11/08	78/11/08
01045 IRON FE,TOT UG/L	1	140.000					140.000	140.000	78/11/08	78/11/08
01051 LEAD PB,TOT UG/L	1	50.0000					50.0000	50.0000	78/11/08	78/11/08
01055 MANGNESE MN UG/L	1	40.0000					40.0000	40.0000	78/11/08	78/11/08

2040168
 44 33 50.0 116 40 40.0 2
 CAMBRIDGE EFFLUENT
 16087 IDAHO
 PACIFIC NORTHWEST 130700
 MIDDLE SNAKE
 211DSURV 790630
 0000 CLASS 00

/TYP/MUN/TREATD/OUTFL/PIPE

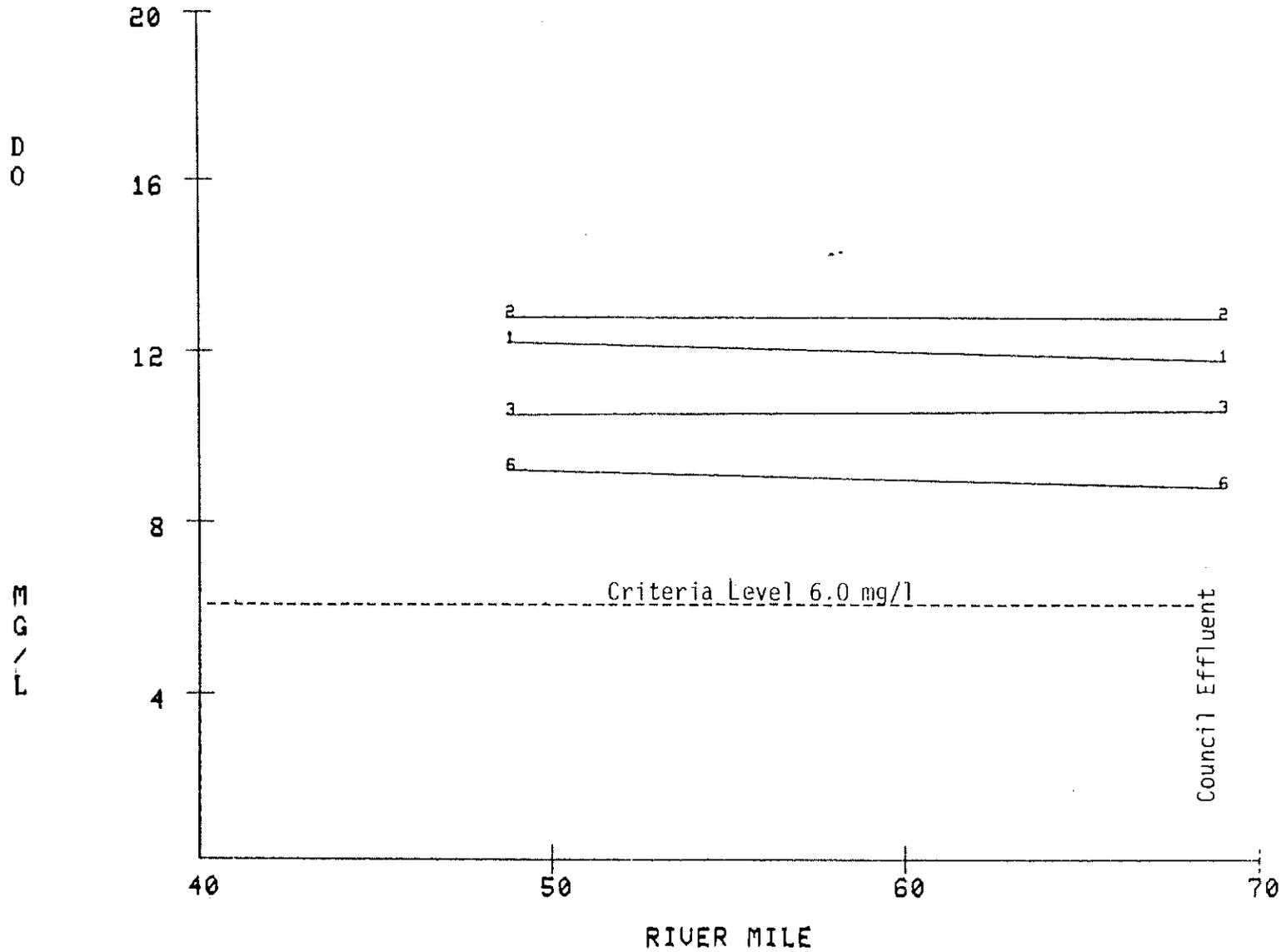
INDEX 1310001 002740 05710
 MILES 0324.30 0351.80 045.90

PARAMETER			NUMBER	MEAN	VARIANCE	STAN DEV	COEF VAR	STAND ER	MAXIMUM	MINIMUM	BEG DATE	END DATE
01092 ZINC	ZN,TUT	UG/L	1	1.00000					1.00000	1.00000	78/11/08	78/11/08
31501 TUT COLI	MFIMENDU	/100ML	1	12000.0					12000.0	12000.0	78/11/08	78/11/08
31616 FEC COLI	MFM-FCBR	/100ML	6	21413.3	.691E+09	26304.1	1.22840	10738.6	72000.0	180.000	78/11/08	79/09/04
31679 FECSTREP	MF M-ENT	/100ML	6	496.666	64267.0	253.509	.510422	103.495	830.000	100.000	78/11/08	79/09/04
70507 PHOS-T	ORTHO	MG/L P	6	1.87633	.643613	.802255	.427565	.327519	3.37000	1.13000	78/11/08	79/09/04
71900 MERCURY	HG,TOTAL	UG/L	1	.500000					.500000	.500000	78/11/08	78/11/08
74010 IRON	FE	MG/L	1	140.000					140.000	140.000	78/11/08	78/11/08

GRAPHICS

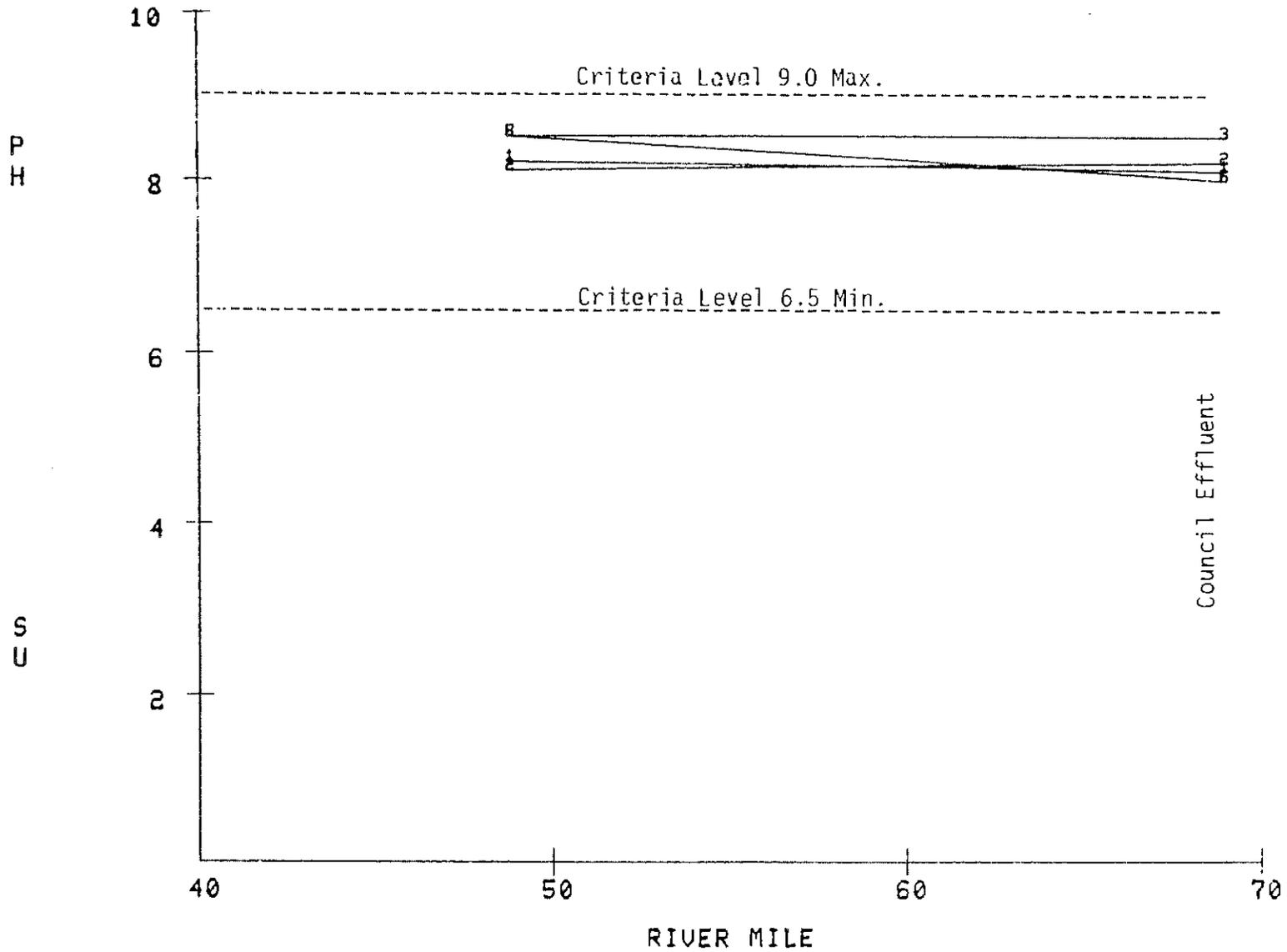
WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

1 : 11-08-78	2 : 01-24-79	3 : 03-28-79
4 : 05-22-79	5 : 06-19-79	6 : 09-04-79

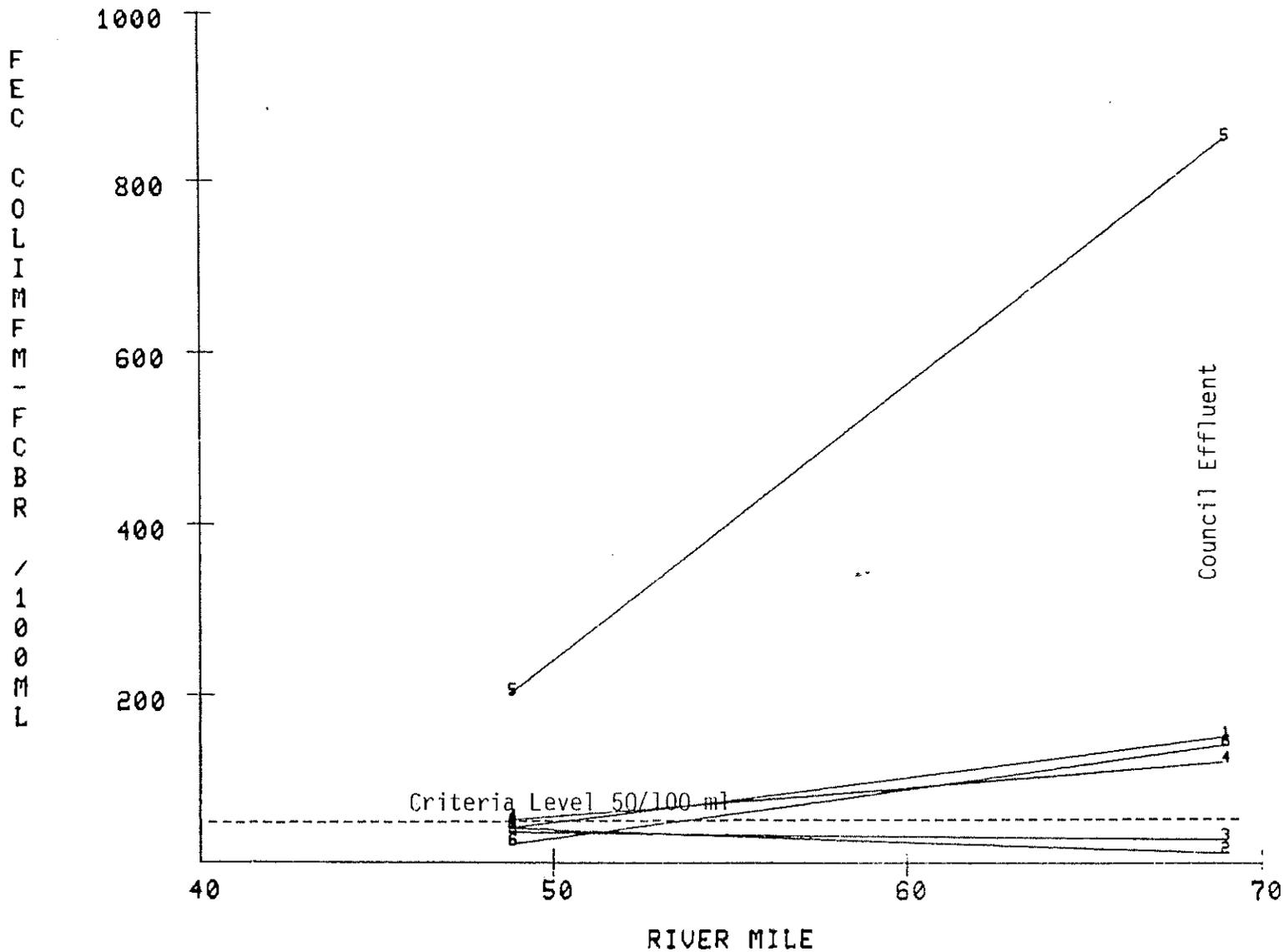


WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

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4 : 05-22-79	5 : 06-19-79	6 : 09-04-79

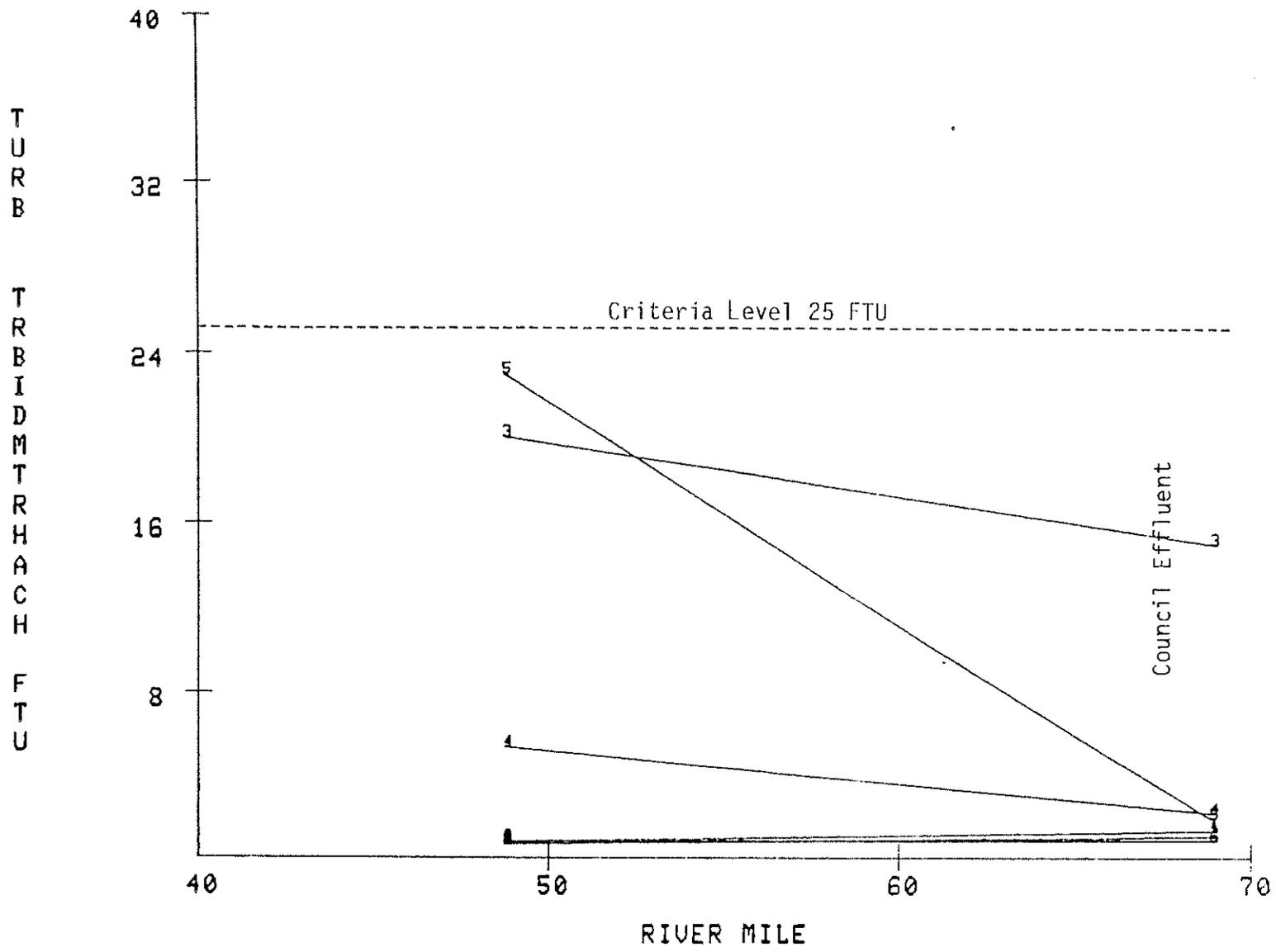


WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING
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 4 : 05-22-79 5 : 06-19-79 6 : 09-04-79



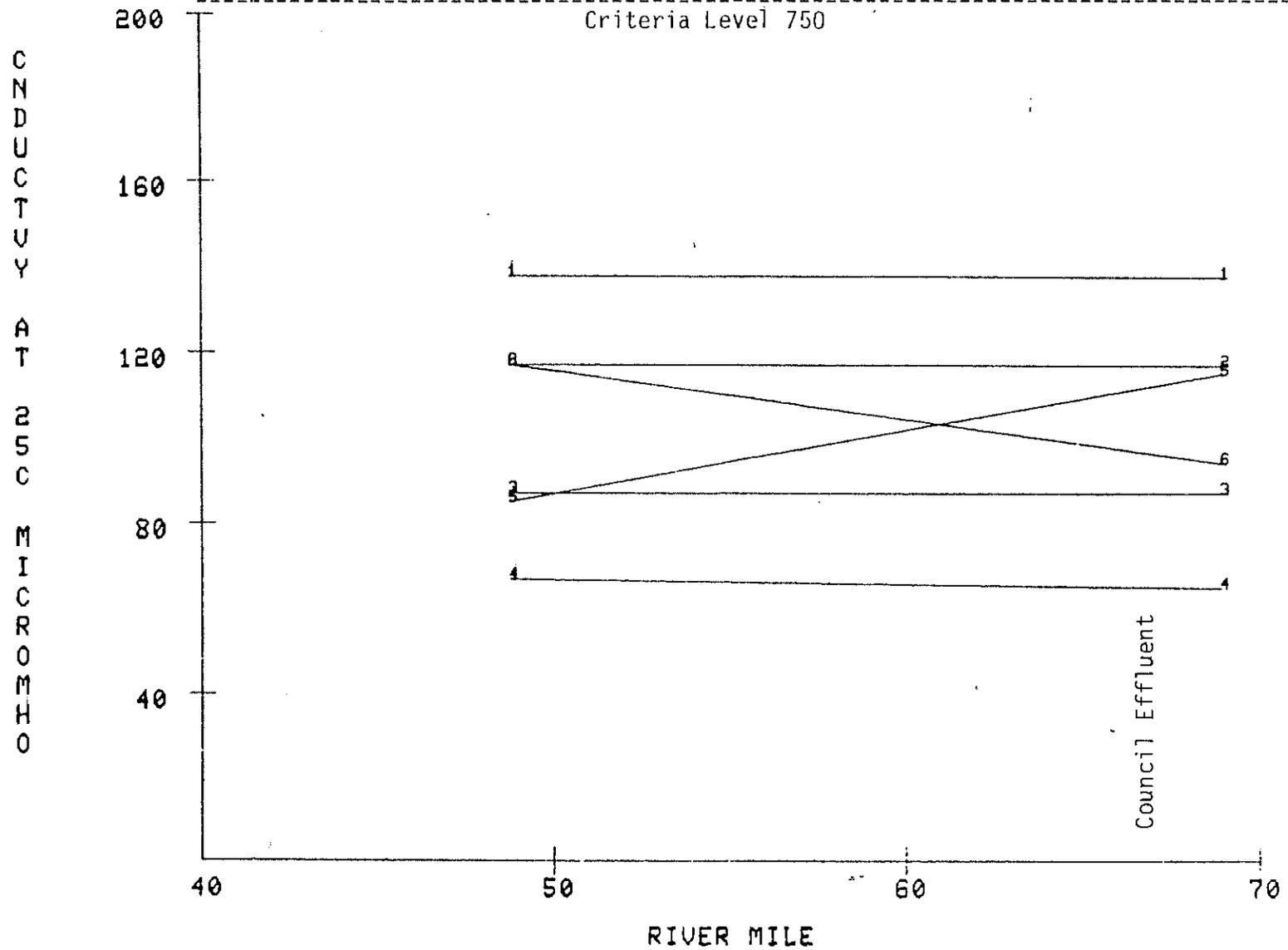
WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

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4 : 05-22-79	5 : 06-19-79	6 : 09-04-79



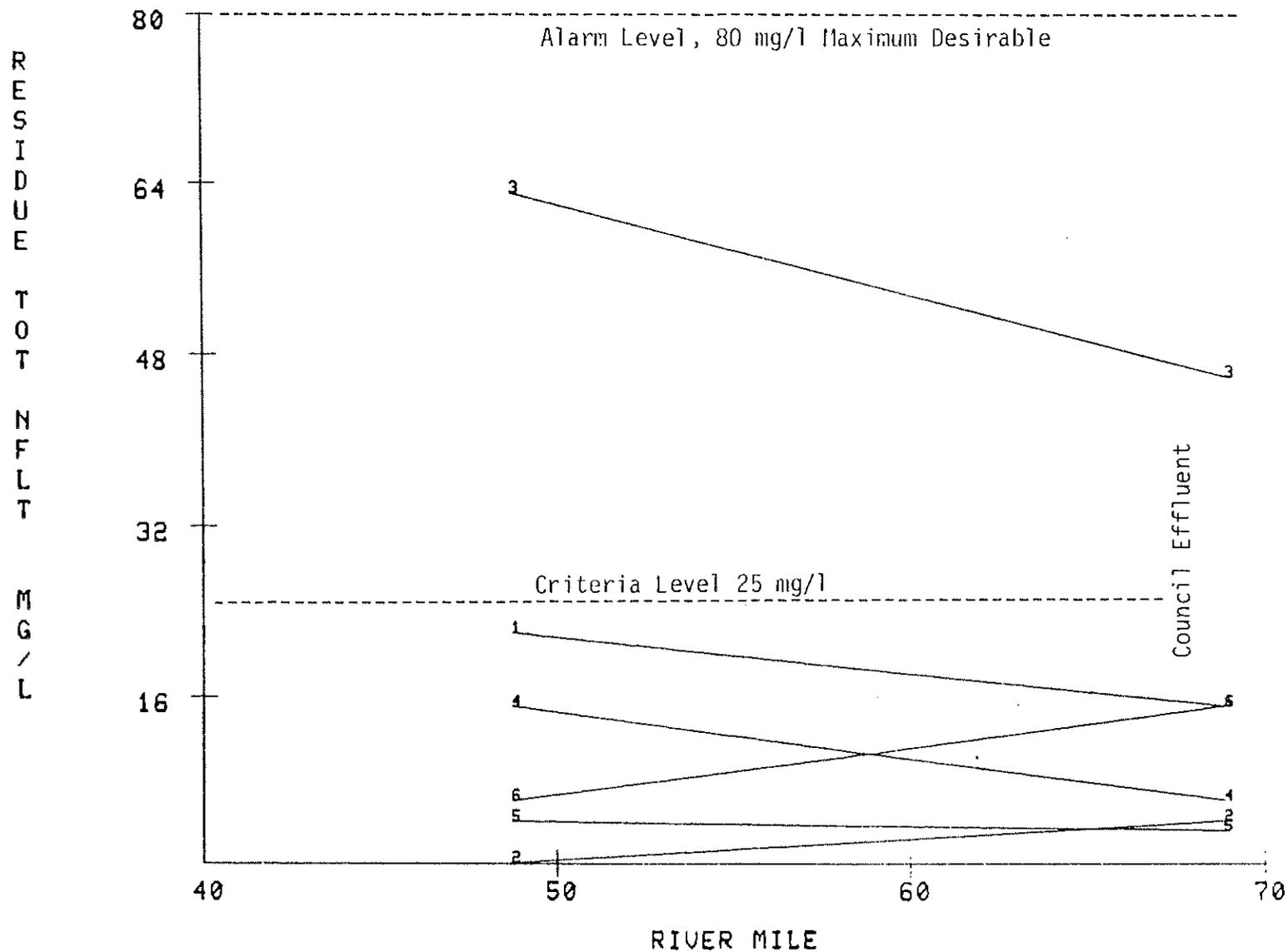
WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

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4 : 05-22-79	5 : 06-19-79	6 : 09-04-79



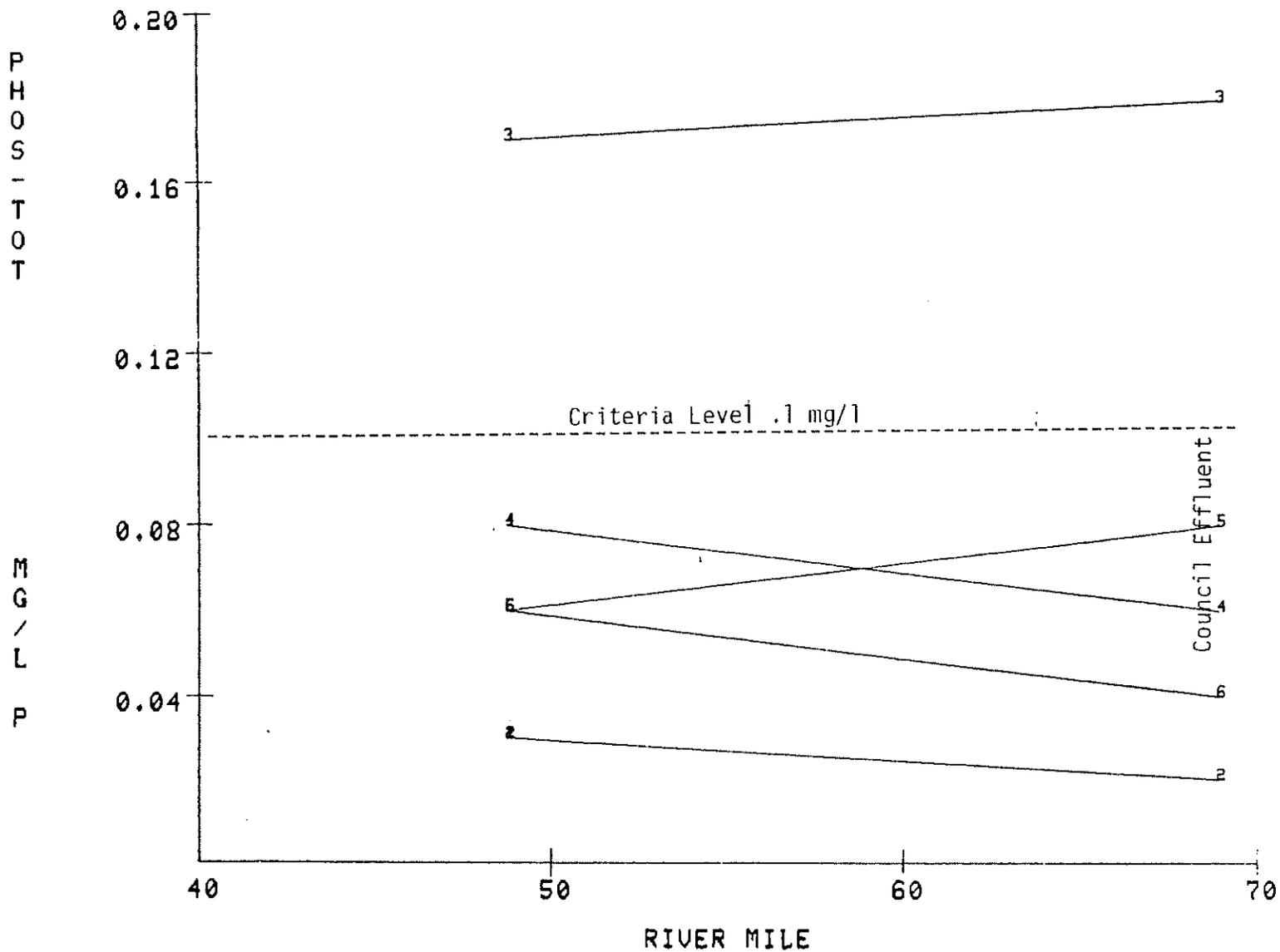
WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

1 : 11-08-78	2 : 01-24-79	3 : 03-28-79
4 : 05-22-79	5 : 06-19-79	6 : 09-04-79



WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

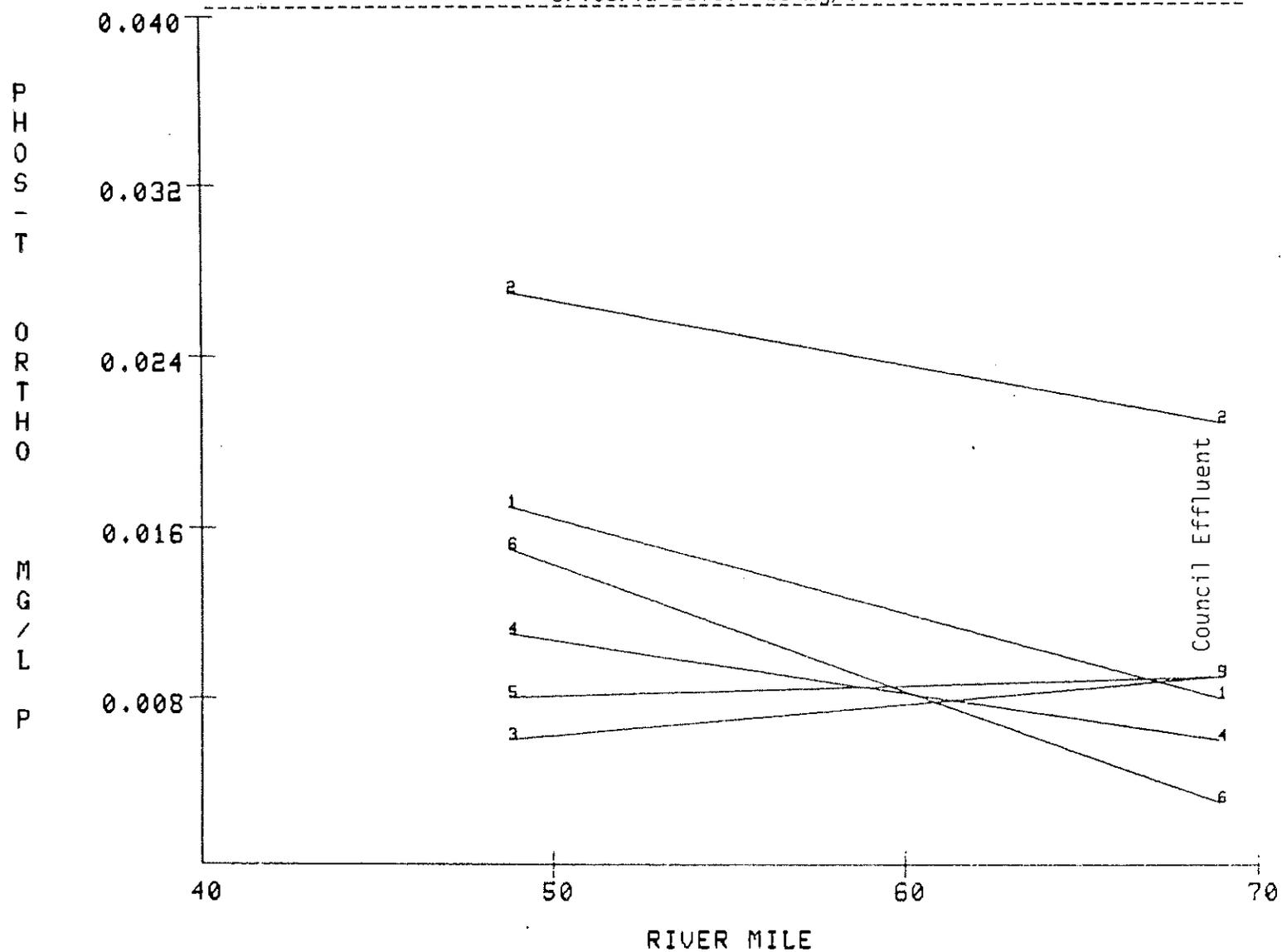
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 4 : 05-22-79 5 : 06-19-79 6 : 09-04-79



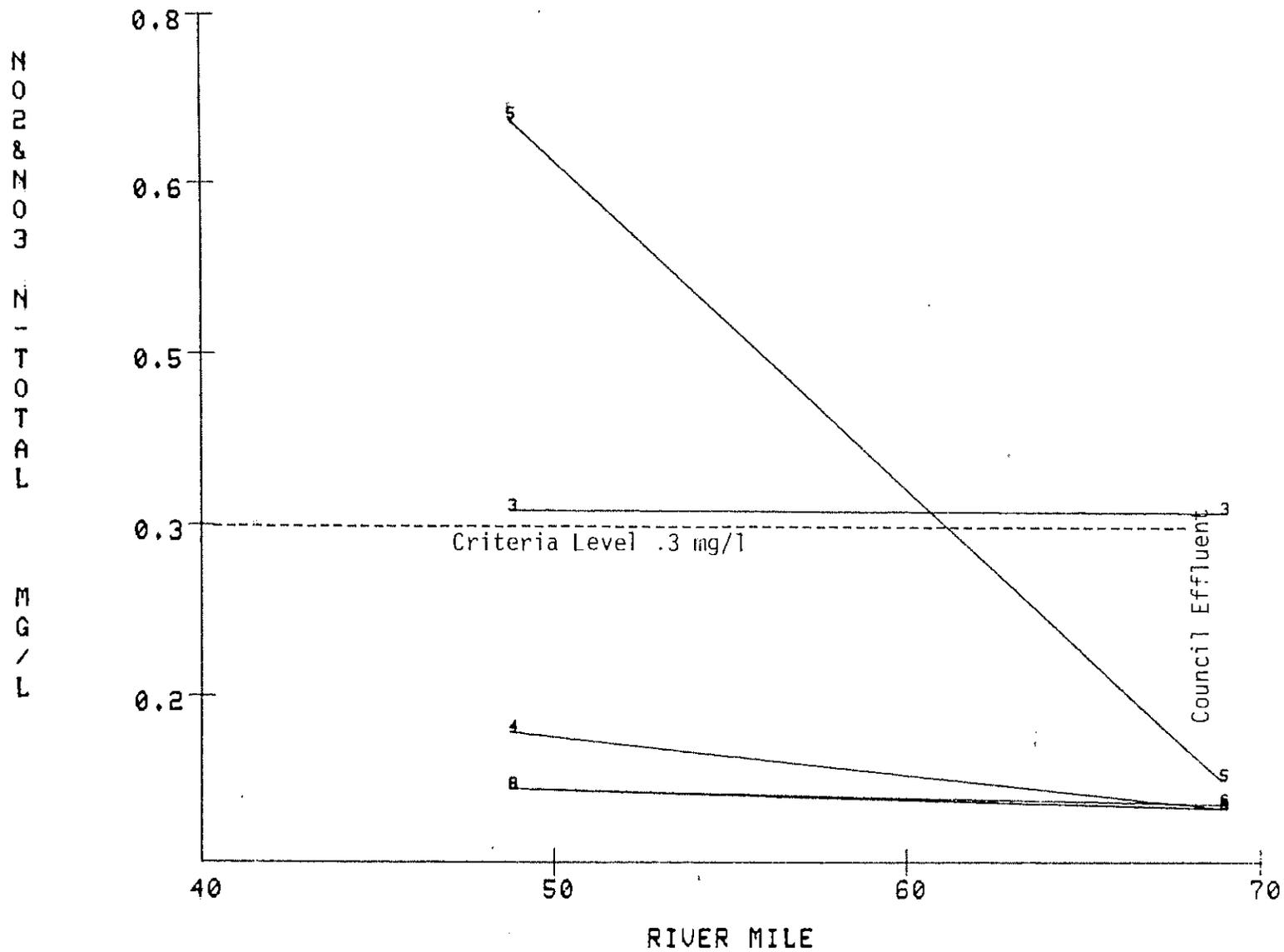
WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

1 : 11-08-78 2 : 01-24-79 3 : 03-28-79
 4 : 05-22-79 5 : 06-19-79 6 : 09-04-79

Criteria Level .05 mg/l

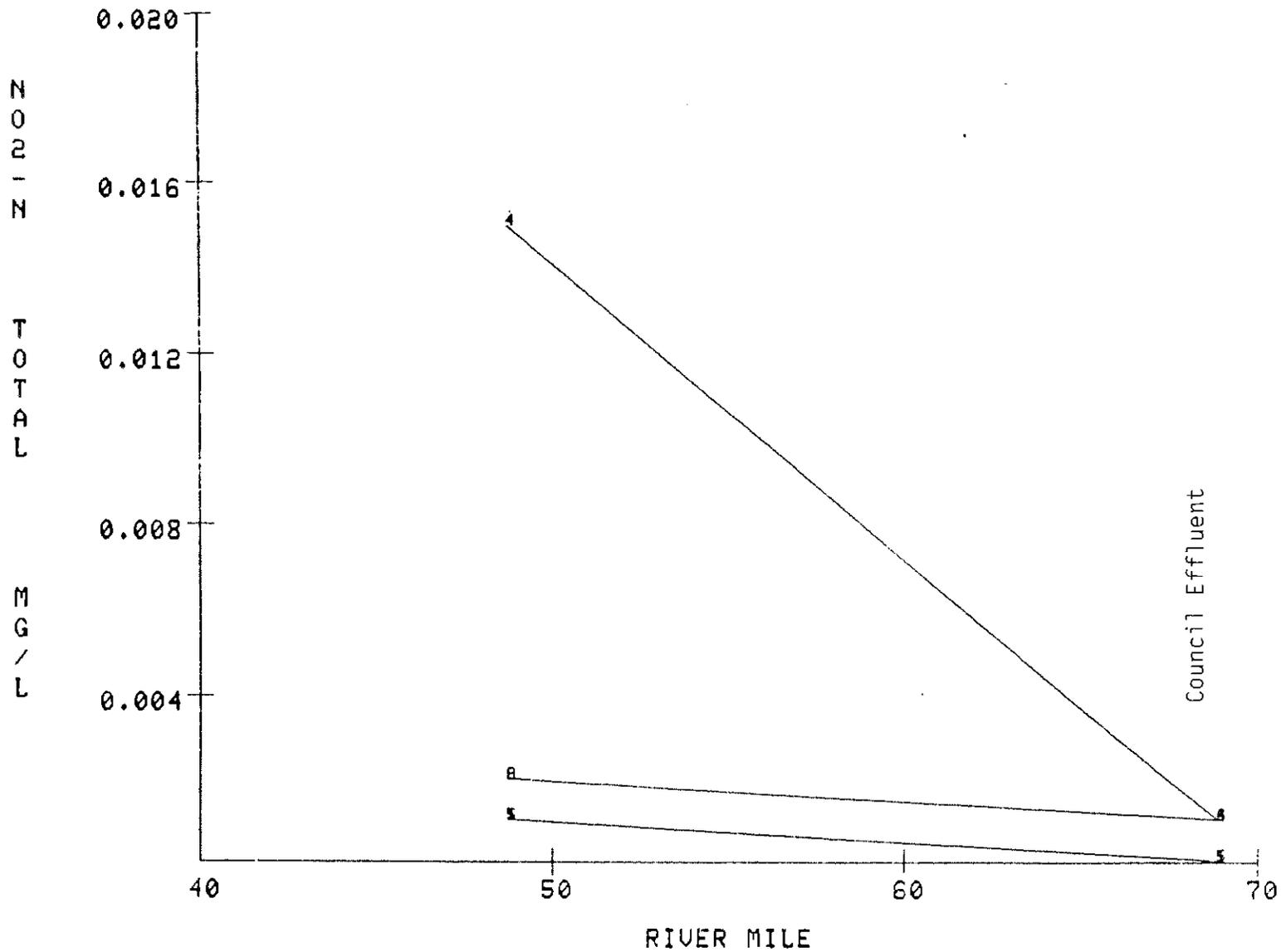


WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING
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 4 : 05-22-79 5 : 06-19-79 6 : 09-04-79

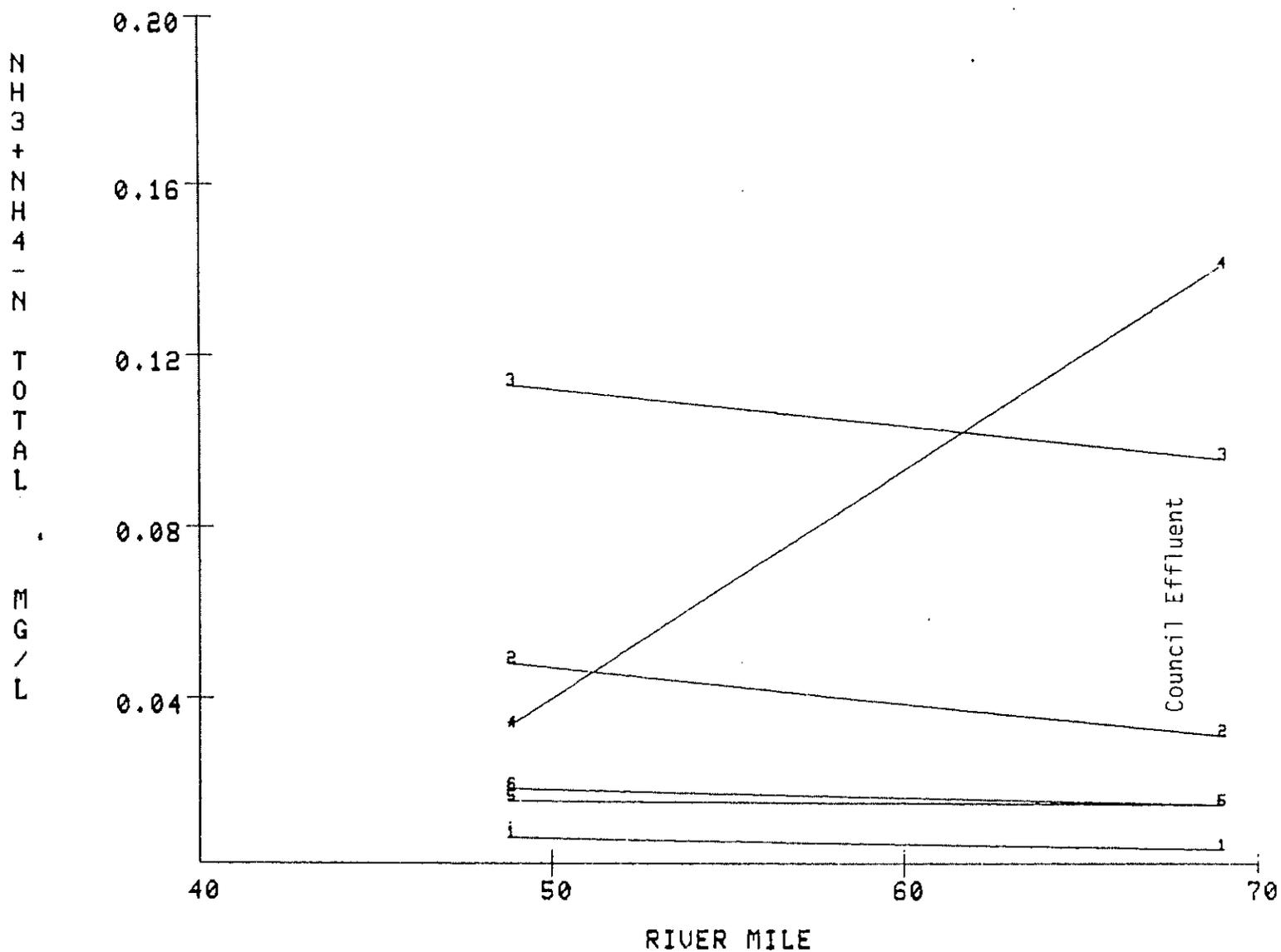


WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

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4 : 05-22-79	5 : 06-19-79	6 : 09-04-79

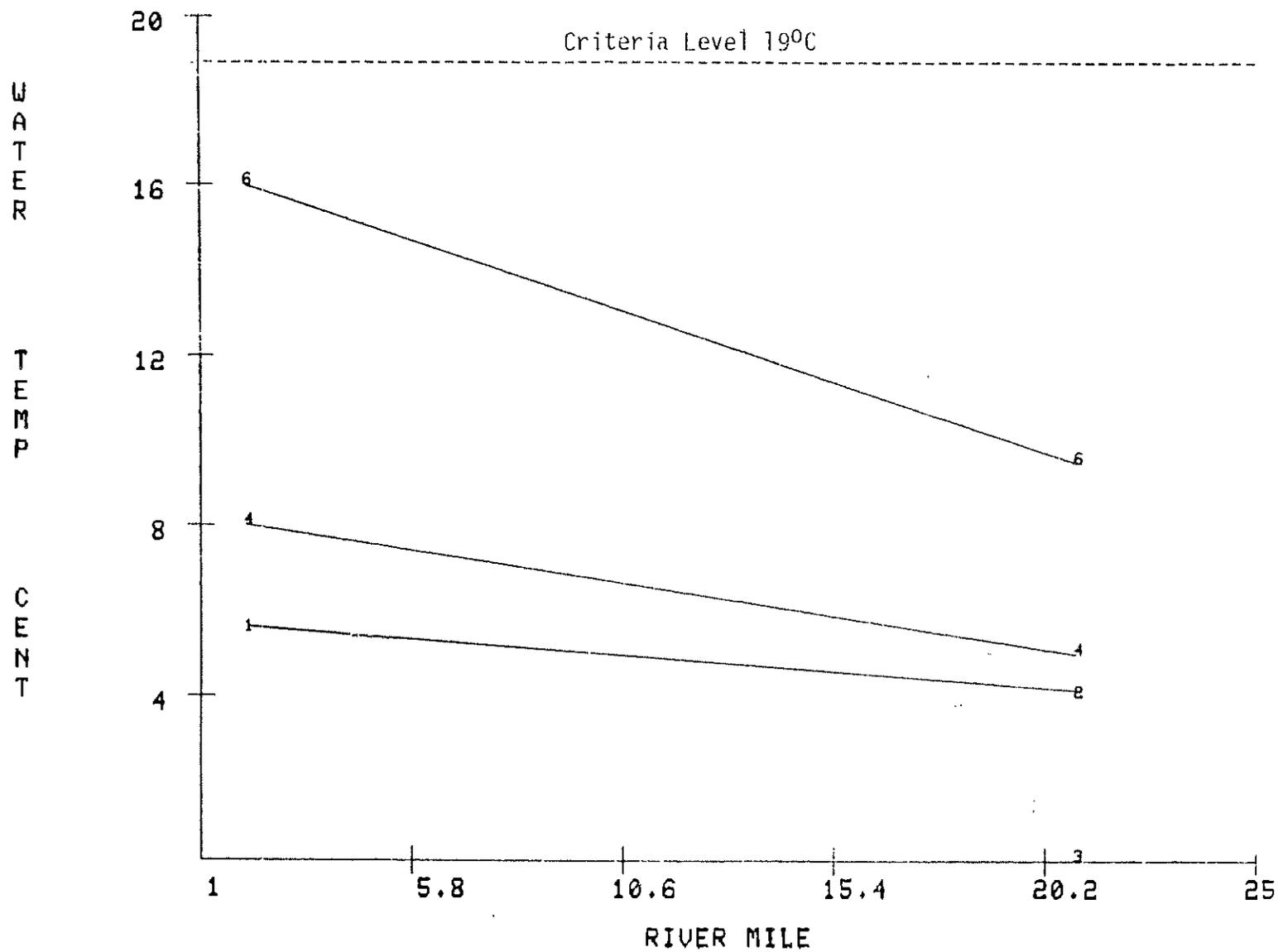


WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING
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 4 : 05-22-79 5 : 06-19-79 6 : 09-04-79

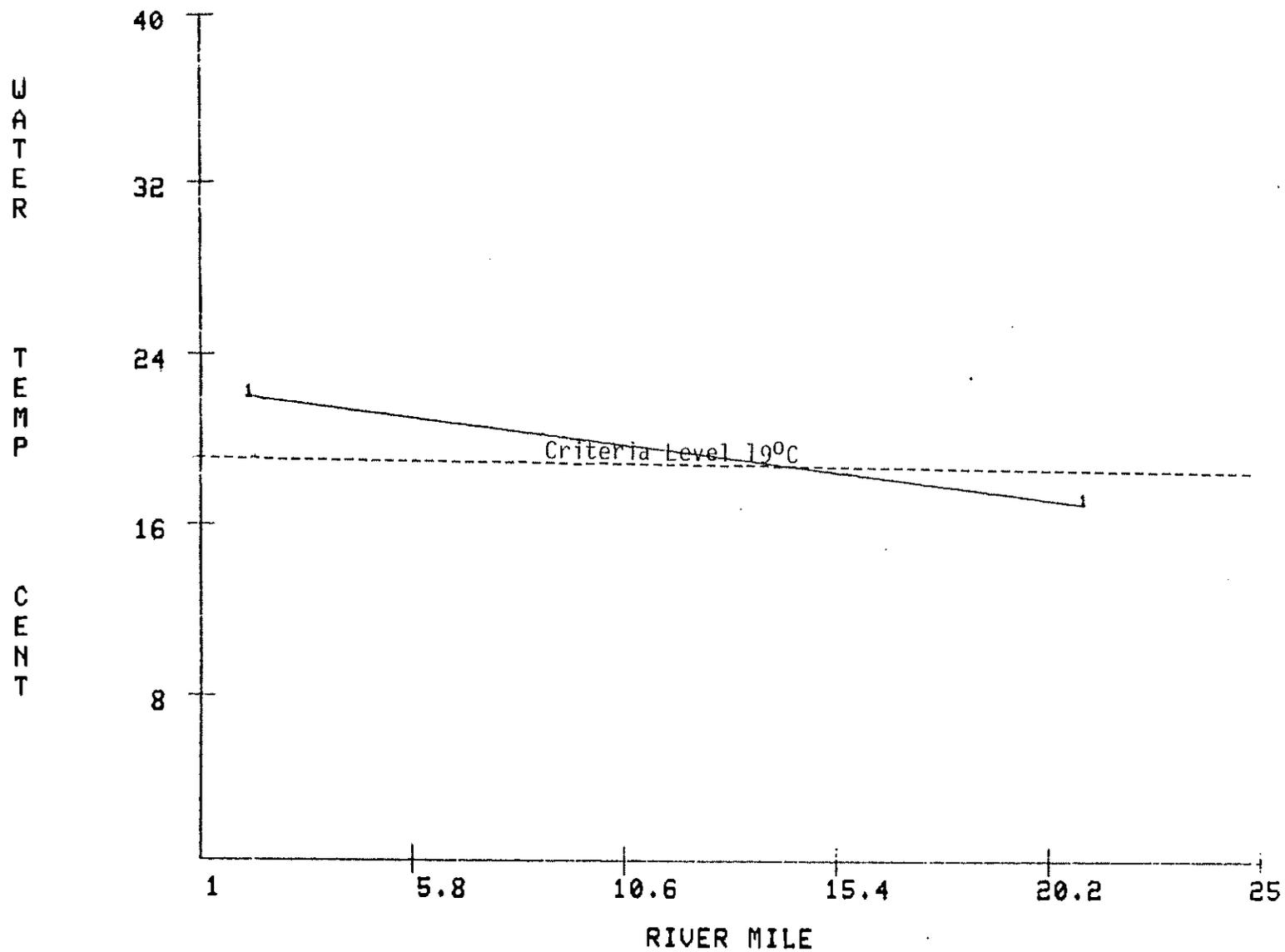


LITTLE WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

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 4 : 03-28-79 5 : 05-22-79 6 : 06-19-79

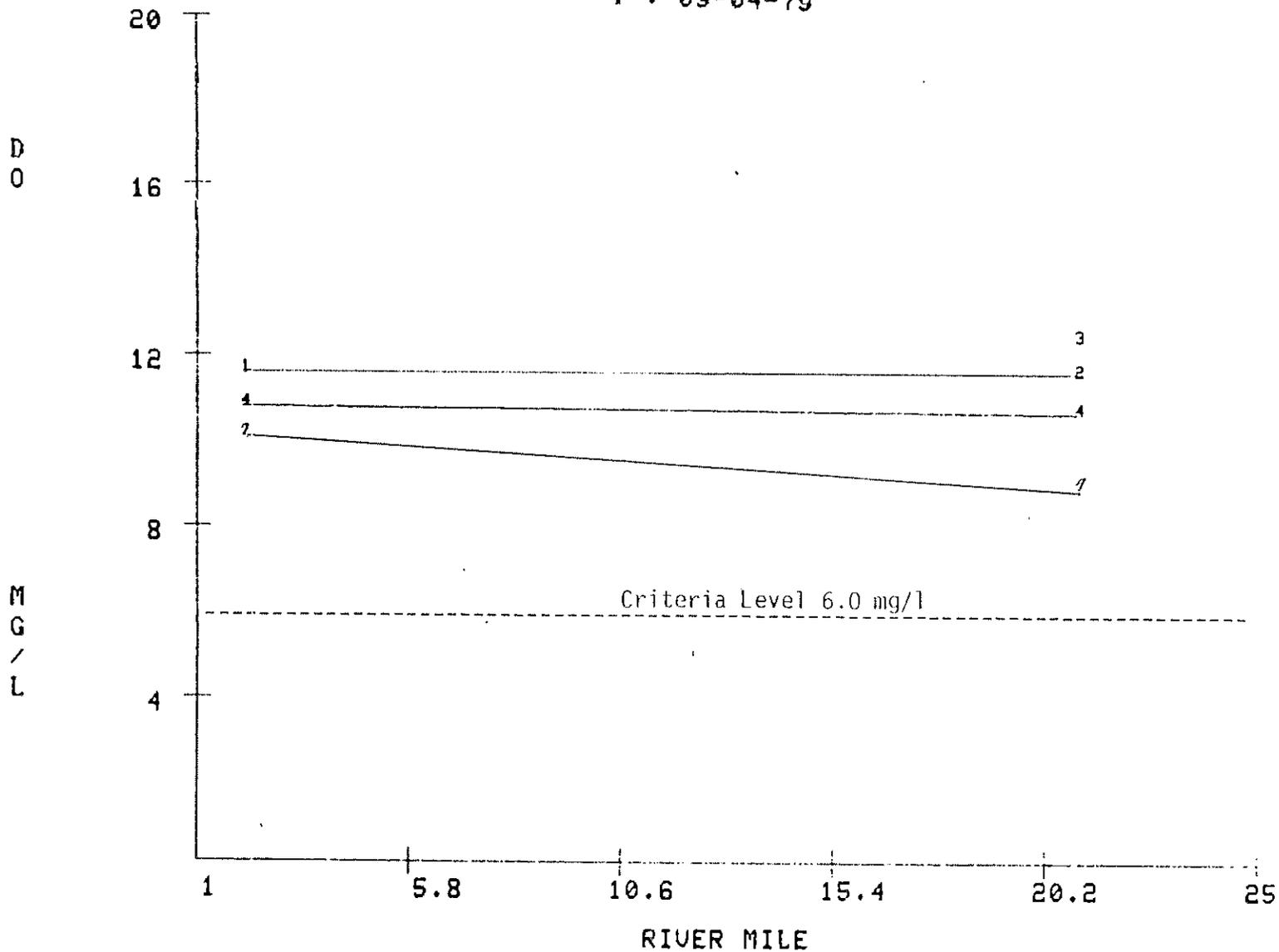


LITTLE WEISER RIVER
INTENSIVE SURVEY DATA FOR 1 DAY OF MONITORING
1 : 09-04-79



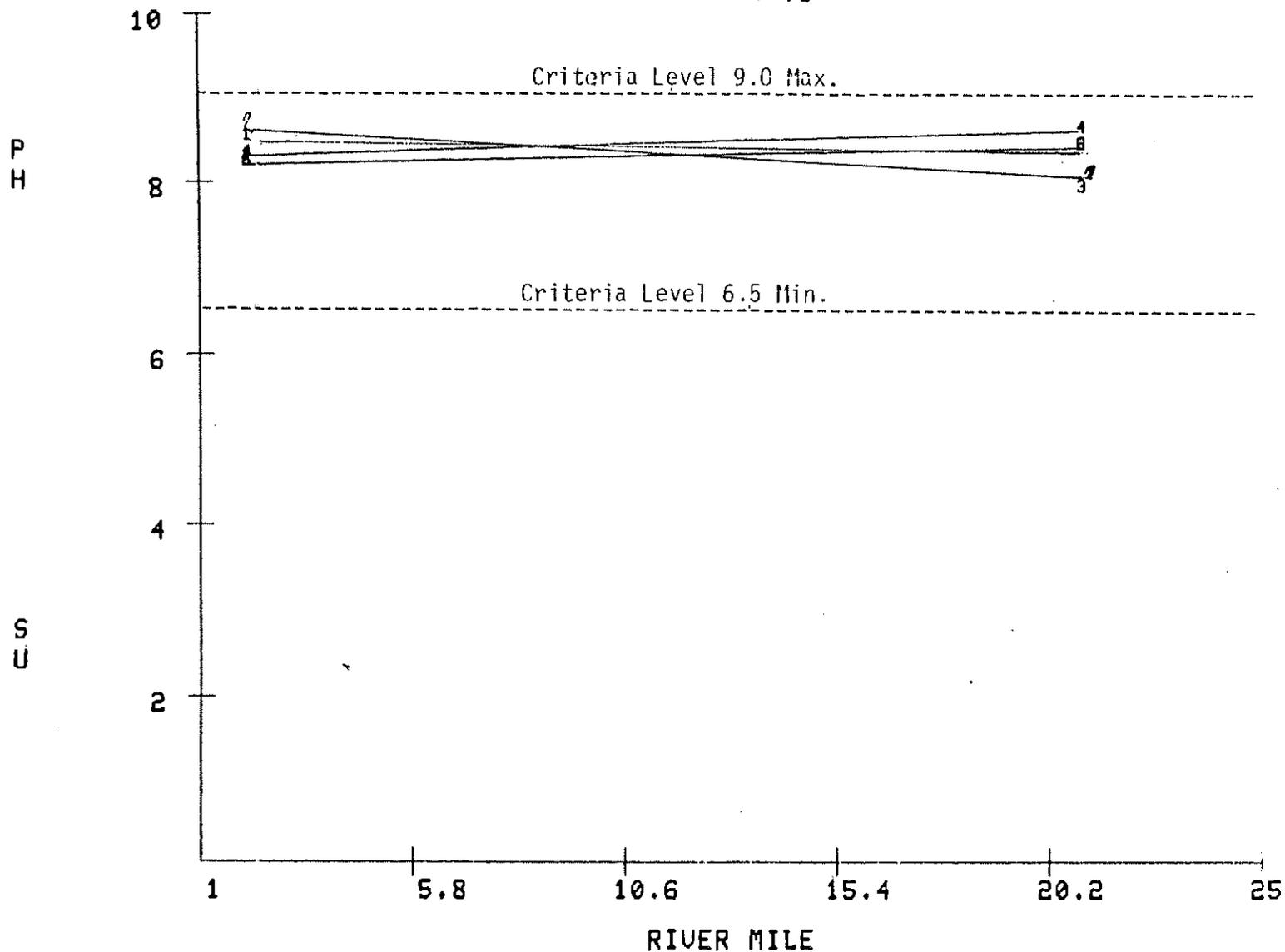
LITTLE WEISER RIVER
 INTENSIVE SURVEY DATA FOR 7 DAYS OF MONITORING

1 : 11-08-78 2 : 11-09-78 3 : 01-24-79
 4 : 03-28-79 5 : 05-22-79 6 : 06-19-79
 7 : 09-04-79



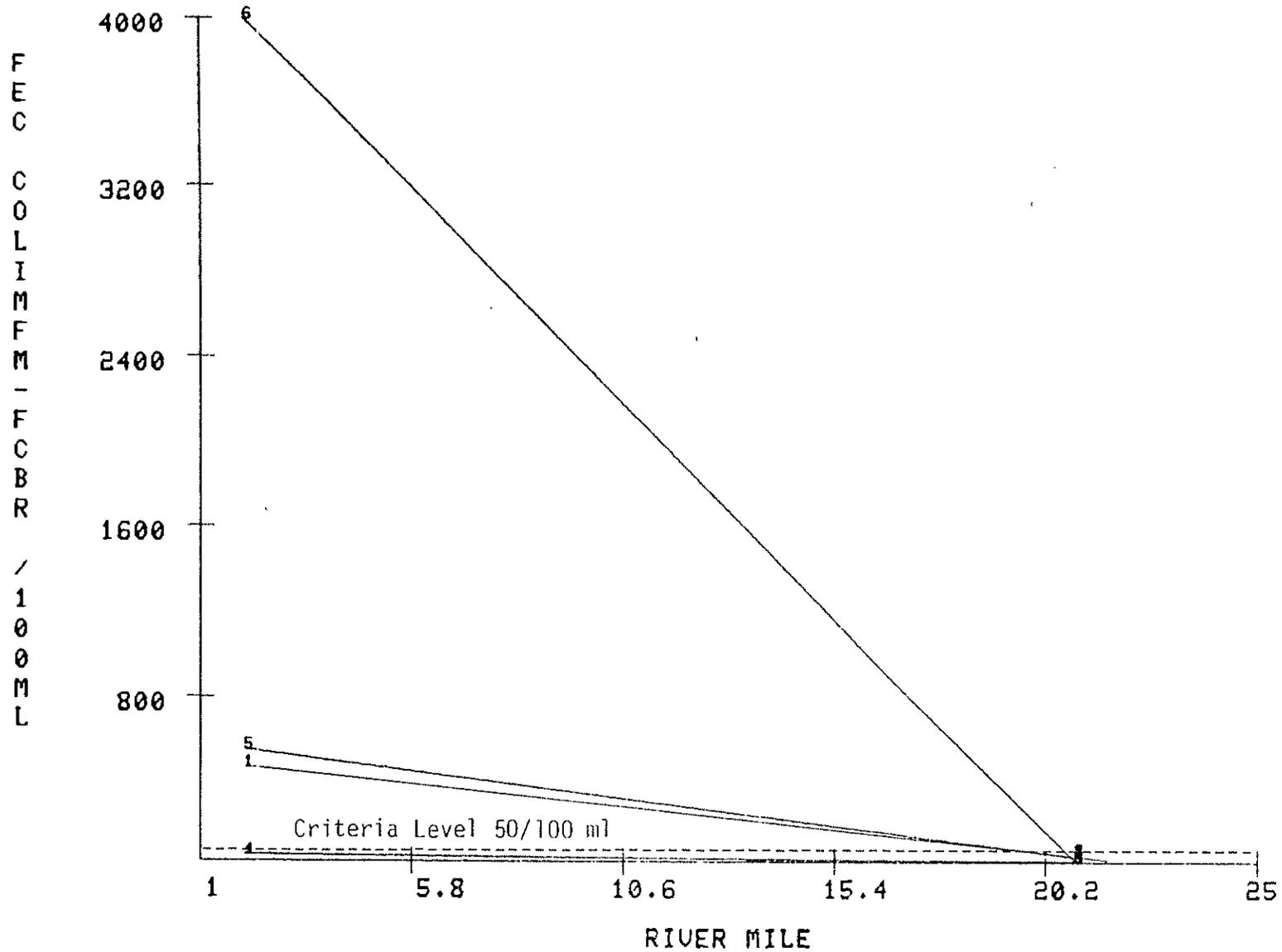
LITTLE WEISER RIVER
INTENSIVE SURVEY DATA FOR 7 DAYS OF MONITORING

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4 : 03-28-79 5 : 05-22-79 6 : 06-19-79
7 : 09-04-79

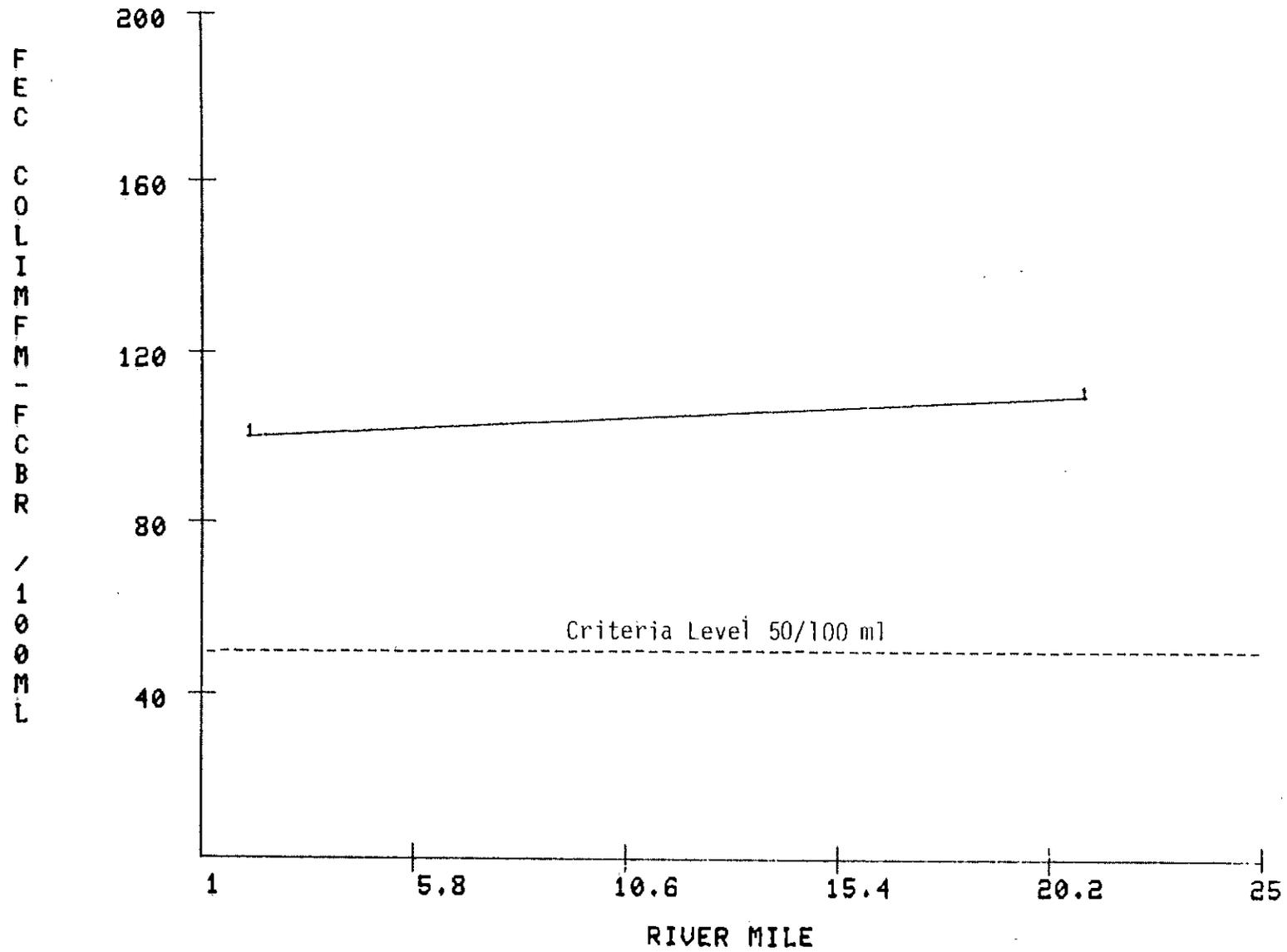


LITTLE WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

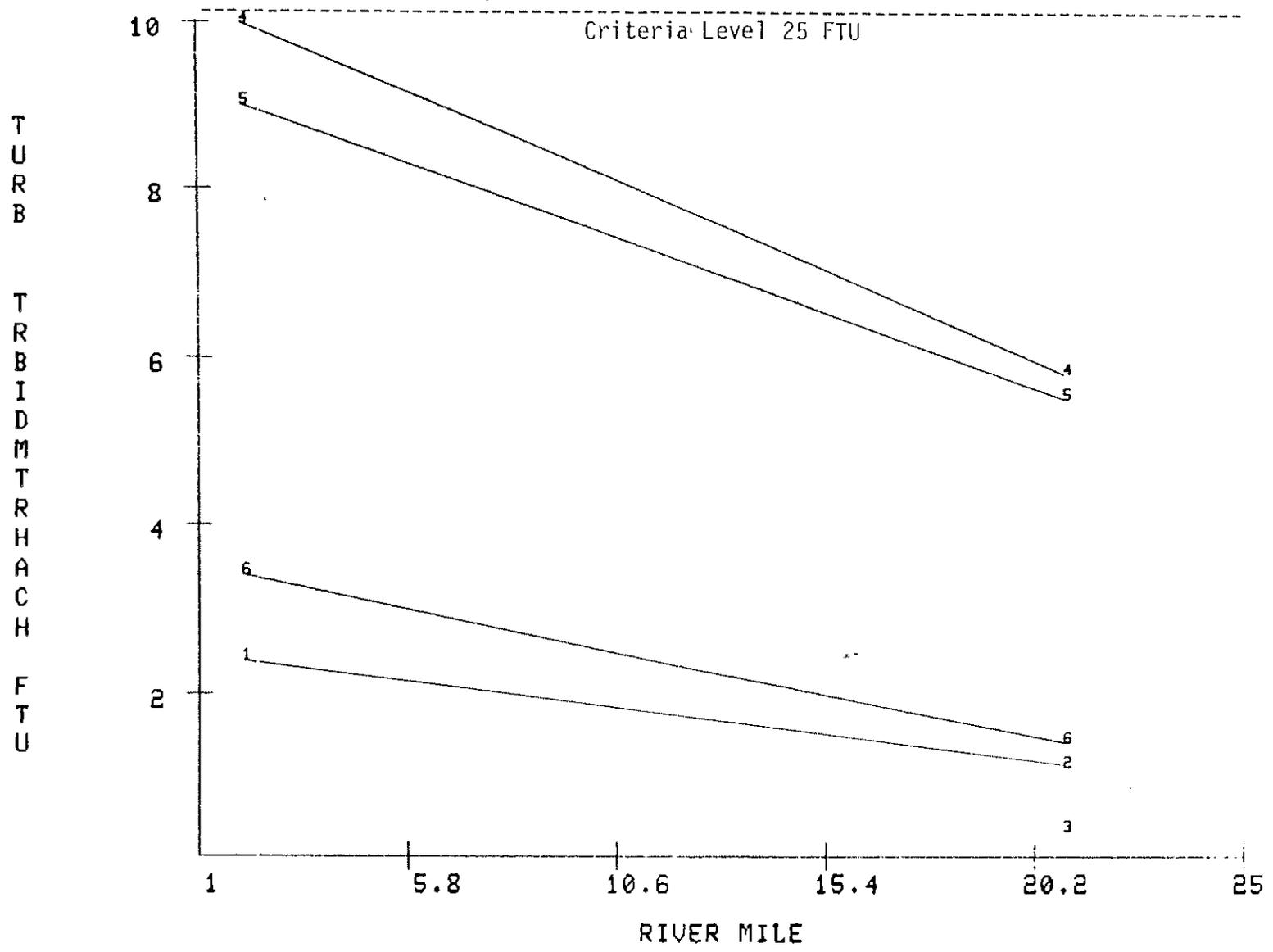
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 4 : 03-28-79 5 : 05-22-79 6 : 06-19-79



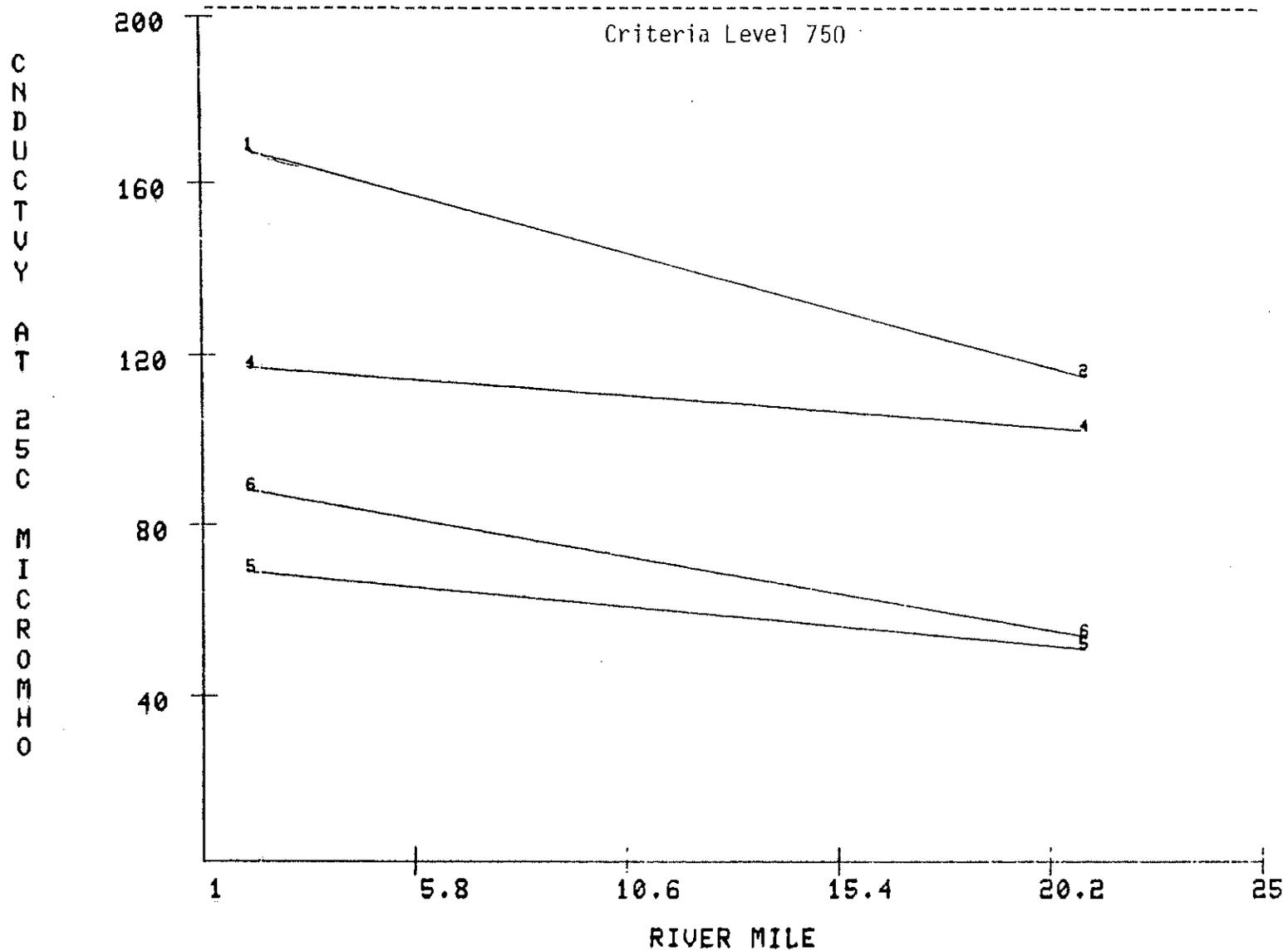
LITTLE WEISER RIVER
INTENSIVE SURVEY DATA FOR 1 DAY OF MONITORING
1 : 09-04-79



LITTLE WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING
 1 : 11-08-78 2 : 11-09-78 3 : 01-24-79
 4 : 03-28-79 5 : 05-22-79 6 : 06-19-79

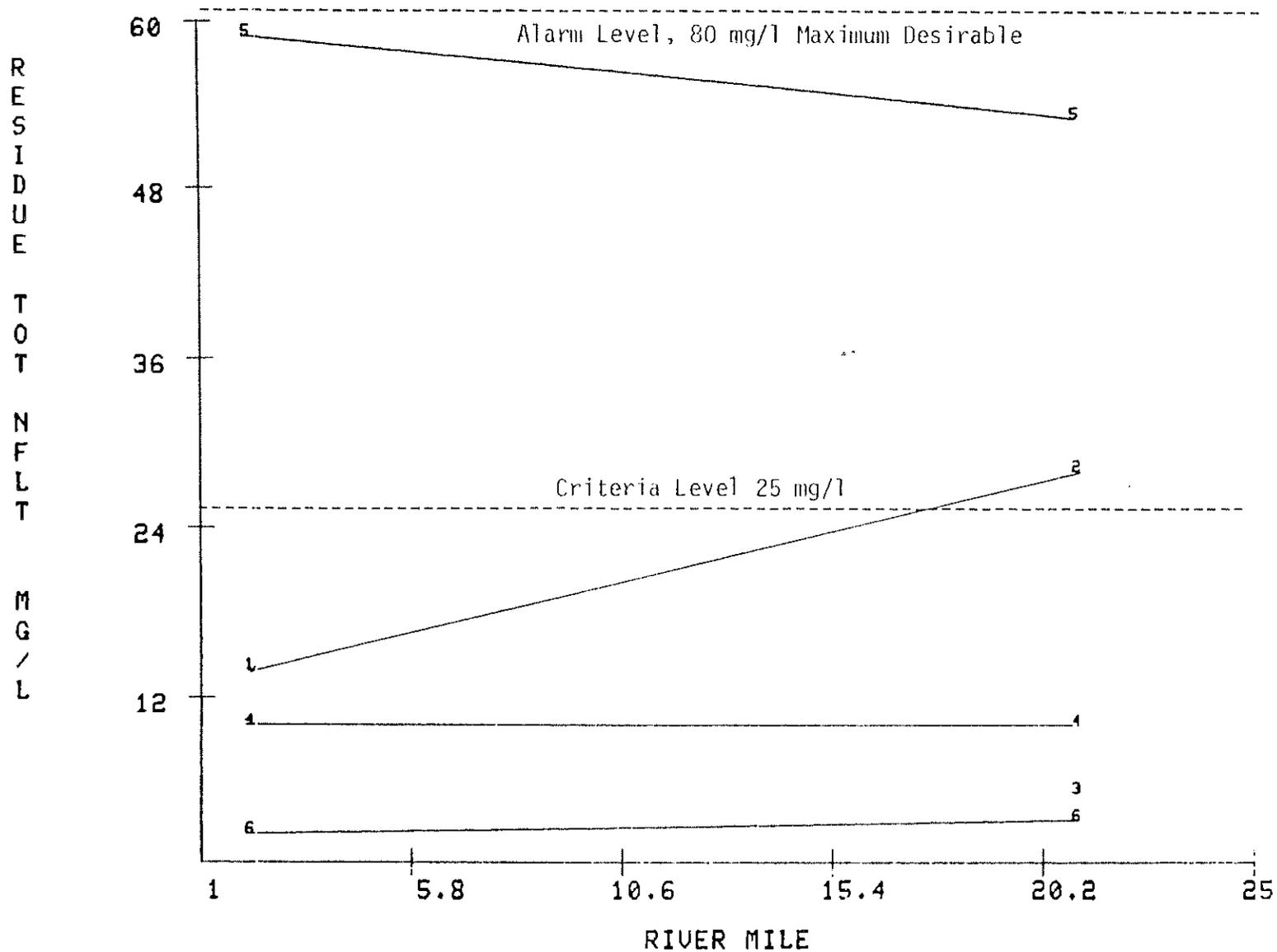


LITTLE WEISER RIVER
INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING
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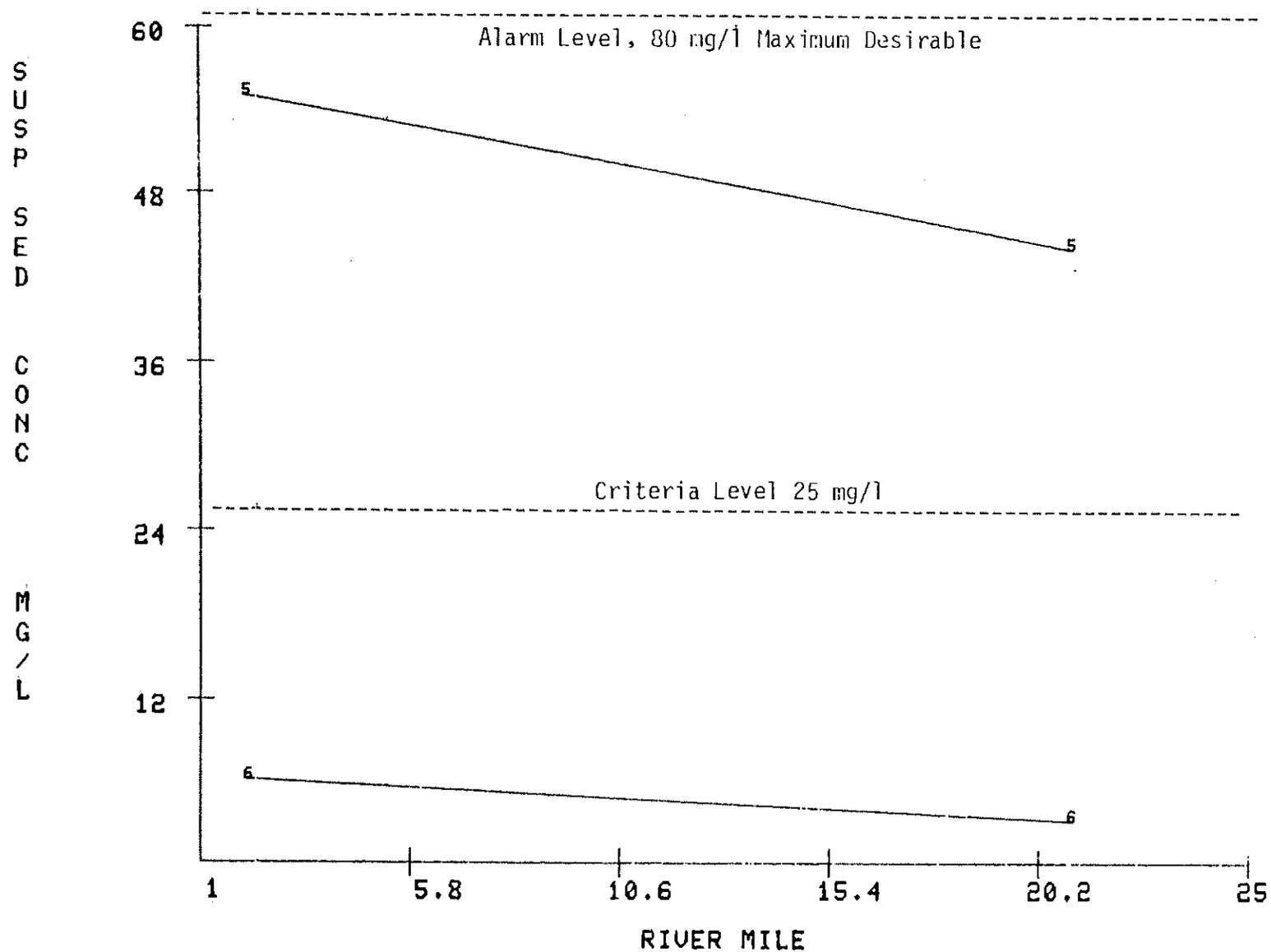


LITTLE WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

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4 : 03-28-79	5 : 05-22-79	6 : 06-19-79

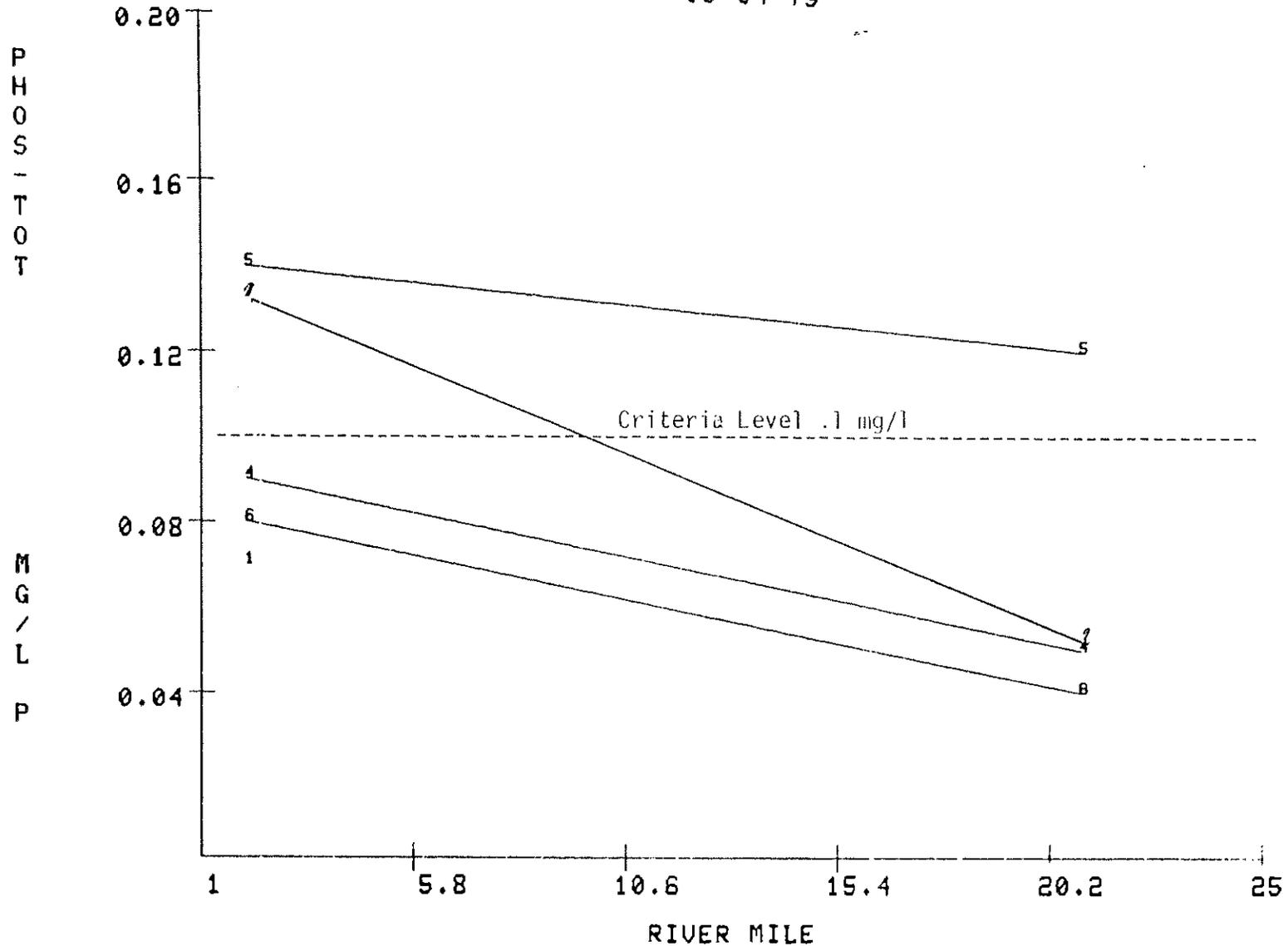


LITTLE WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING
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 4 : 03-28-79 5 : 05-22-79 6 : 06-19-79



LITTLE WEISER RIVER
INTENSIVE SURVEY DATA FOR 7 DAYS OF MONITORING

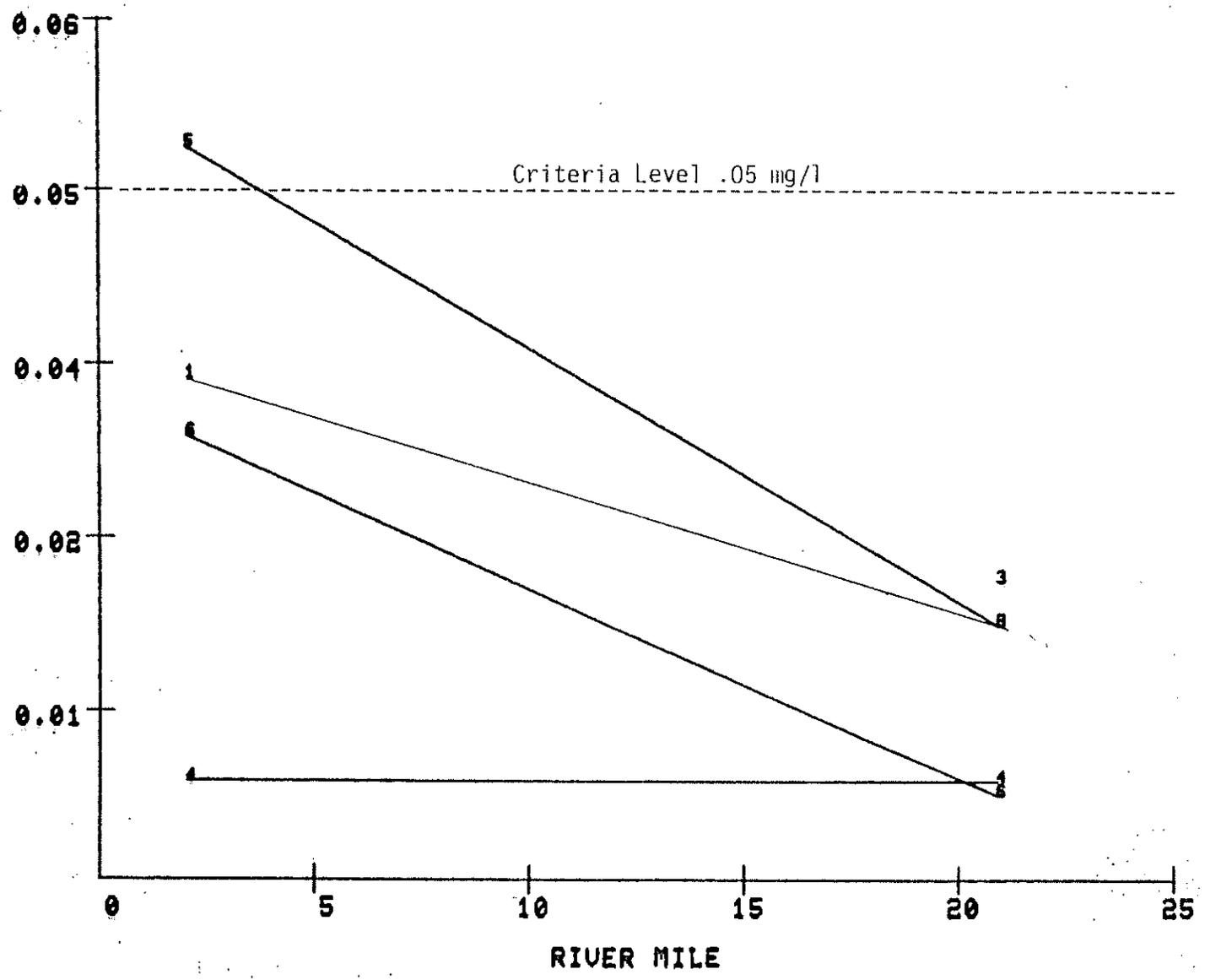
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7 : 09-04-79



LITTLE WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

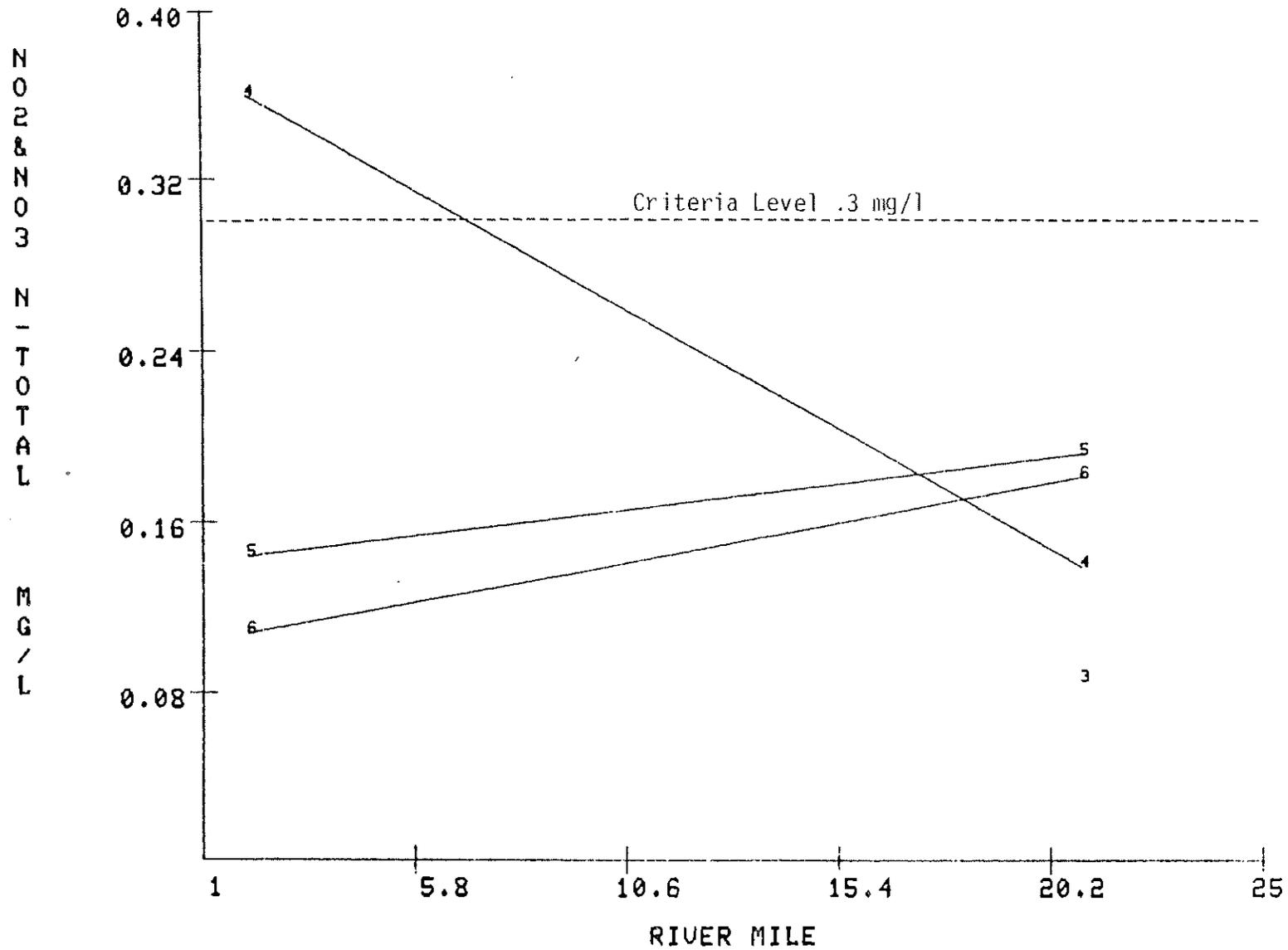
1 : 11-03-78 2 : 11-09-78 3 : 01-24-79
 4 : 03-28-79 5 : 05-22-79 6 : 06-19-79

ORTHO
 PHOSPHATE
 CONCENTRATION
 (MG/L)

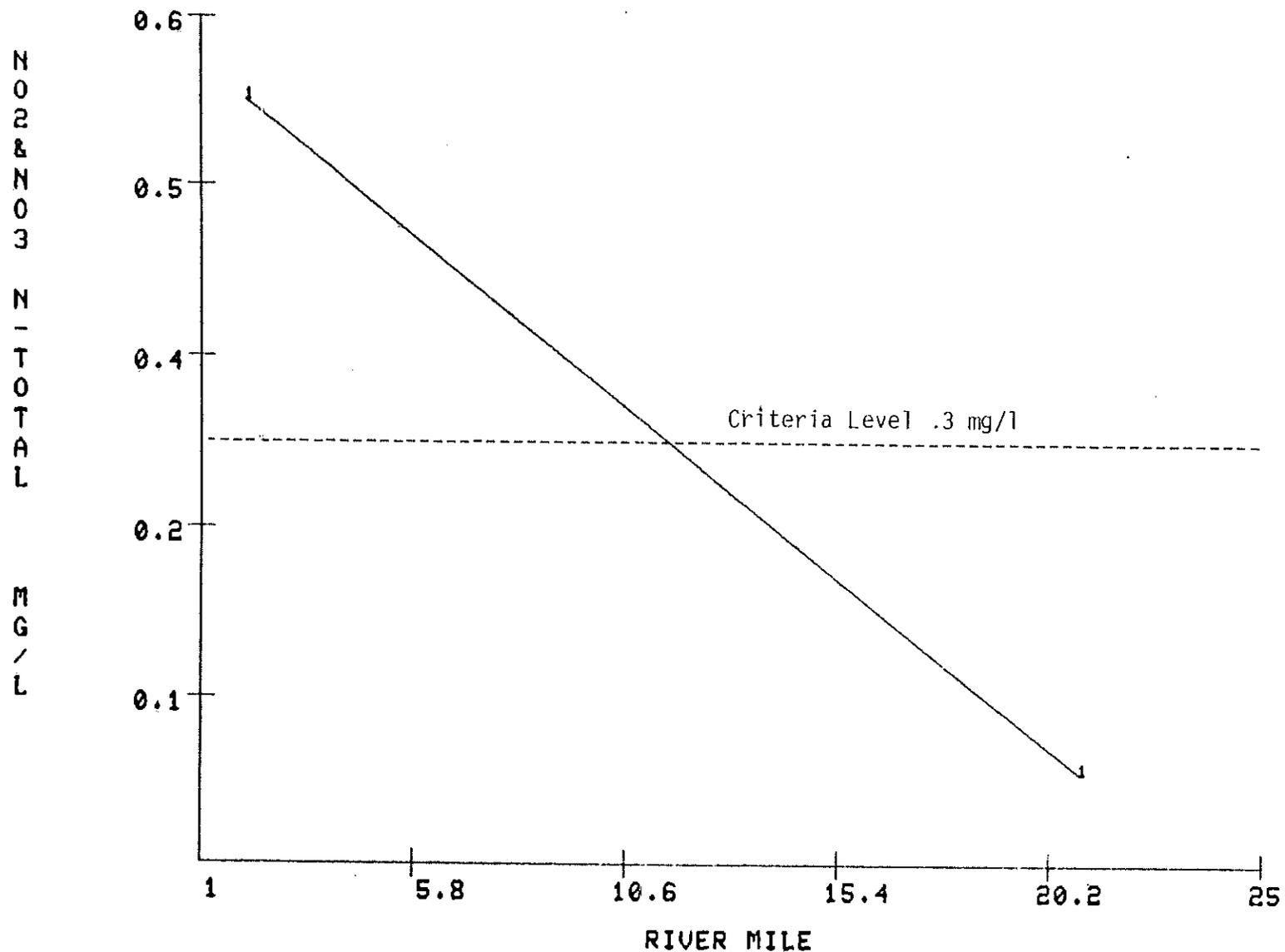


LITTLE WEISER RIVER
INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

1 : 11-08-78 2 : 11-09-78 3 : 01-24-79
4 : 03-28-79 5 : 05-22-79 6 : 06-19-79



LITTLE WEISER RIVER
INTENSIVE SURVEY DATA FOR 1 DAY OF MONITORING
1 : 09-04-79



LITTLE WEISER RIVER
 INTENSIVE SURVEY DATA FOR 6 DAYS OF MONITORING

1 : 11-08-78

2 : 11-09-78

3 : 01-24-79

4 : 03-28-79

5 : 05-22-79

6 : 06-19-79

