Tables 1-16

Table 1: 2012 Non-detect Parameters at Sherman, Slate and Johnson Creek Stations

SHERMAN CREEK

SH109			SH113			SH105		
Parameter	**PQL**	**Units**	**Parameter**	**PQL**	**Units**	**Parameter**	**PQL**	**Units**
TSS	<4.0	mg/L	TSS	<4.0	mg/L	TSS	<4.0	mg/L
D-Arsenic	<2.5	ug/L	D-Arsenic	<2.5	ug/L	D-Arsenic	<2.5	ug/L
D-Cadmium	<0.1	ug/L	D-Cadmium	<0.1	ug/L	D-Cadmium	<0.1	ug/L
D-Chromium	<2.5	ug/L	D-Chromium	<2.5	ug/L	D-Chromium	<2.5	ug/L
D-Lead	<0.16	ug/L	D-Lead	<0.16	ug/L	D-Lead	<0.16	ug/L
D-Nickel	<1	ug/L	D-Nickel	<1	ug/L	D-Nickel	<1	ug/L
TR-Selenium	<1	ug/L	D-Silver	<0.1	ug/L	TR-Selenium	<1	ug/L
D-Mercury	<0.001	ug/L				D-Zinc	<2.5	ug/L
D-Zinc	<2.5	ug/L				D-Silver	<0.1	ug/L

SLATE CREEK

MLA			SLB			SLC			SMP-5 (Site #5)		
Parameter	**PQL**	**Units**	**Parameter**	**PQL**	**Units**	**Parameter**	**PQL**	**Units**	**Parameter**	**PQL**	**Units**
Nitrate	<0.050	mg/L	TSS	<4.0	mg/L	TSS	<4.0	mg/L	TSS	<4.0	mg/L
TSS	<4.0	mg/L	D-Arsenic	<2.5	ug/L	D-Arsenic	<2.5	ug/L	D-Arsenic	<2.5	ug/L
D-Arsenic	<2.5	ug/L	D-Cadmium	<0.1	ug/L	D-Cadmium	<0.1	ug/L	D-Cadmium	<0.1	ug/L
D-Cadmium	<0.1	ug/L	D-Chromium	<2.5	ug/L	D-Chromium	<2.5	ug/L	D-Chromium	<2.5	ug/L
D-Chromium	<2.5	ug/L	D-Copper	<1	ug/L	D-Copper	<1	ug/L	D-Lead	<0.16	ug/L
D-Copper	<1	ug/L	D-Lead	<0.16	ug/L	D-Lead	<0.16	ug/L	TR-Selenium	<1	ug/L
D-Lead	<0.16	ug/L	TR-Selenium	<1	ug/L	D-Nickel	<1	ug/L	D-Silver	<0.1	ug/L
D-Nickel	<1	ug/L	D-Silver	<0.1	ug/L	TR-Selenium	<1	ug/L			
TR-Selenium	<1	ug/L				D-Silver	<0.1	ug/L			
D-Silver	<0.1	ug/L									

JOHNSON CREEK

JS-2			JS-4			JS-5		
Parameter	**PQL**	**Units**	**Parameter**	**PQL**	**Units**	**Parameter**	**PQL**	**Units**
TSS	<4.0	mg/L	TSS	<4.0	mg/L	Ammonia	<0.1	mg/L
Ammonia	<0.1	mg/L	Ammonia	<0.1	mg/L	D-Arsenic	<2.5	ug/L
D-Arsenic	<2.5	ug/L	D-Arsenic	<2.5	ug/L	D-Cadmium	<0.1	ug/L
D-Cadmium	<0.1	ug/L	D-Cadmium	<0.1	ug/L	D-Chromium	<2.5	ug/L
D-Chromium	<2.5	ug/L	D-Chromium	<2.5	ug/L	D-Lead	<0.16	ug/L
D-Lead	<0.16	ug/L	D-Lead	<0.16	ug/L	TR-Selenium	<1	ug/L
D-Nickel	<1	ug/L	D-Nickel	<1	ug/L	D-Silver	<0.1	ug/L
TR-Selenium	<1	ug/L	TR-Selenium	<1	ug/L	D-Nickel	<2.5	ug/L
D-Silver	<0.1	ug/L	D-Silver	<0.1	ug/L			
D-Copper	<1	ug/L						
TR-Iron	<0.05	mg/L						
D-Zinc	<2.5	ug/L						
Color	<5	CU						

Table 2: 2012 Non-detect Parameters at Ophir Creek and Outfall 001 & 002 Stations

OPHIR CREEK

SH111			SH103		
Parameter	**PQL**	**Units**	**Parameter**	**PQL**	**Units**
Ammonia	<0.1	mg/L	Ammonia	<0.1	mg/L
TSS	<5	mg/L	TSS	<5	mg/L
D-Arsenic	<2.5	ug/L	D-Arsenic	<2.5	ug/L
D-Cadmium	<0.1	ug/L	D-Cadmium	<0.1	ug/L
D-Chromium	<2.5	ug/L	D-Chromium	<2.5	ug/L
TR-Iron	<0.05	mg/L	TR-Iron	<0.05	mg/L
D-Lead	<0.16	ug/L	D-Lead	<0.16	ug/L
D-Manganese	<1	ug/L	D-Nickel	<1	ug/L
D-Nickel	<1	ug/L	D-Selenium	<1	ug/L
TR-Selenium	<1	ug/L	D-Silver	<0.1	ug/L
D-Silver	<0.1	ug/L			
D-Zinc	<2.5	ug/L			

OUTFALL 001

001 Effluent

Parameter	PQL	Units
TR-Arsenic	<2.5	ug/L
TR-Lead	<0.16	ug/L
TR-Silver	<0.1	ug/L

OUTFALL 002

002 Effluent

Parameter	PQL	Units
TR-Arsenic	<2.5	ug/L
Chromium	<2.5	ug/L
TR-Silver	<0.1	ug/L
TR-Lead	<0.16	ug/L
TR-Selenium	<1	ug/L

Table 3: Station JS2 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	1.8	5.4	3.6	12	0	0.0%	3.61	1.2
Dissolved Oxygen	mg/L	10.38	13.41	3.03	12	0	0.0%	12.15	1.0
pH	pH	6.62	7.68	1.06	12	0	0.0%	7.41	0.3
Conductivity	umhos/cm	24.1	46.9	22.8	12	0	0.0%	38.48	8.0
Turbidity	NTU	0.11	1.25	1.14	12	0	0.0%	0.38	0.3
Nitrate as N	mg/L	0.05	0.281	0.23	12	0	0.0%	0.16	0.1
Ammonia as N	mg/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Sulfate	mg/L	0.79	2.31	1.52	12	0	0.0%	1.51	0.6
Chloride	mg/L	<1	1.1	1.1	12	11	91.7%	0.09	0.0
Total Dissolved Solids	mg/L	11	38	27	12	1	8.3%	22.08	8.9
Total Suspended Solids	mg/L	<4	<4	0	12	12	100.0%	0.00	0.0
Hardness, Total	mg/L	9.3	18.6	9.3	12	0	0.0%	15.08	3.1
TR Aluminum	ug/L	2	22.8	20.8	12	0	0.0%	9.41	6.4
Dissolved Arsenic	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Iron	mg/L	<0.05	<0.05	0	12	12	100.0%	0.00	0.0
Dissolved Lead	ug/L	<0.16	<0.16	0	12	12	100.0%	0.00	0.0
TR Manganese	ug/L	<1	2.5	2.5	12	4	33.3%	1.07	0.5
Mercury Dissolved	ug/L	<0.001	0.0011	0.0011	12	11	91.7%	0.00	0.0
Dissolved Nickel	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Selenium	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Color	color unit	<5	<5	0	12	12	100.0%	0.00	0.0

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 4: Station JS4 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	0.6	6.4	5.8	12	0	0.0%	3.32	1.9
Dissolved Oxygen	mg/L	9.23	14.89	5.66	12	0	0.0%	12.62	1.7
pH	pH	7.3	8.02	0.72	12	0	0.0%	7.68	0.2
Conductivity	umhos/cm	48.6	147.2	98.6	12	0	0.0%	101.12	36.3
Turbidity	NTU	0.27	1.24	0.97	12	0	0.0%	0.76	0.4
Nitrate as N	mg/L	0.129	0.549	0.42	12	0	0.0%	0.30	0.1
Ammonia as N	mg/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Sulfate	mg/L	3.49	18.9	15.41	12	0	0.0%	8.89	4.6
Chloride	mg/L	<1	2.1	2.1	12	6	50.0%	0.83	0.4
Total Dissolved Solids	mg/L	28	121	93	12	0	0.0%	64.25	26.6
Total Suspended Solids	mg/L	<4	<4	0	12	12	100.0%	0.00	0.0
Hardness, Total	mg/L	20.2	63	42.8	12	0	0.0%	42.83	15.5
TR Aluminum	ug/L	11.6	72.5	60.9	12	0	0.0%	34.23	18.3
Dissolved Arsenic	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	1.2	1.2	12	11	91.7%	0.10	0.1
TR Iron	mg/L	<0.05	0.163	0.163	12	6	50.0%	0.05	0.0
Dissolved Lead	ug/L	<0.16	<0.16	0	12	12	100.0%	0.00	0.0
TR Manganese	ug/L	2.2	11.6	9.4	12	0	0.0%	6.41	3.1
Mercury Dissolved	ug/L	<0.001	0.0019	0.0019	12	7	58.3%	0.00	0.0
Dissolved Nickel	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Selenium	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	2.7	2.7	12	11	91.7%	0.23	0.1
Color	color unit	<5	20	20	12	5	41.7%	7.08	5.1

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 4: Station JS4 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	0.6	6.4	5.8	12	0	0.0%	3.32	1.9
Dissolved Oxygen	mg/L	9.23	14.89	5.66	12	0	0.0%	12.62	1.7
pH	pH	7.3	8.02	0.72	12	0	0.0%	7.68	0.2
Conductivity	umhos/cm	48.6	147.2	98.6	12	0	0.0%	101.12	36.3
Turbidity	NTU	0.27	1.24	0.97	12	0	0.0%	0.76	0.4
Nitrate as N	mg/L	0.129	0.549	0.42	12	0	0.0%	0.30	0.1
Ammonia as N	mg/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Sulfate	mg/L	3.49	18.9	15.41	12	0	0.0%	8.89	4.6
Chloride	mg/L	<1	2.1	2.1	12	6	50.0%	0.83	0.4
Total Dissolved Solids	mg/L	28	121	93	12	0	0.0%	64.25	26.6
Total Suspended Solids	mg/L	<4	<4	0	12	12	100.0%	0.00	0.0
Hardness, Total	mg/L	20.2	63	42.8	12	0	0.0%	42.83	15.5
TR Aluminum	ug/L	11.6	72.5	60.9	12	0	0.0%	34.23	18.3
Dissolved Arsenic	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	1.2	1.2	12	11	91.7%	0.10	0.1
TR Iron	mg/L	<0.05	0.163	0.163	12	6	50.0%	0.05	0.0
Dissolved Lead	ug/L	<0.16	<0.16	0	12	12	100.0%	0.00	0.0
TR Manganese	ug/L	2.2	11.6	9.4	12	0	0.0%	6.41	3.1
Mercury Dissolved	ug/L	<0.001	0.0019	0.0019	12	7	58.3%	0.00	0.0
Dissolved Nickel	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Selenium	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	2.7	2.7	12	11	91.7%	0.23	0.1
Color	color unit	<5	20	20	12	5	41.7%	7.08	5.1

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 5: Station JS5 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	1	6	5	12	0	0.0%	3.34	1.6
Dissolved Oxygen	mg/L	9.29	15.61	6.32	12	0	0.0%	12.35	1.7
pH	pH	7.57	8.01	0.44	12	0	0.0%	7.78	0.2
Conductivity	umhos/cm	40.6	156.8	116.2	12	0	0.0%	89.82	37.6
Turbidity	NTU	0.29	5.79	5.5	12	0	0.0%	1.01	1.5
Nitrate as N	mg/L	0.123	0.877	0.754	12	0	0.0%	0.37	0.2
Ammonia as N	mg/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Sulfate	mg/L	2.88	21.8	18.92	12	0	0.0%	8.16	5.3
Chloride	mg/L	<1	2.6	2.6	12	6	50.0%	0.82	0.5
Total Dissolved Solids	mg/L	18	98	80	12	0	0.0%	49.75	20.6
Total Suspended Solids	mg/L	<4	5.6	5.6	12	11	91.7%	0.47	0.5
Hardness, Total	mg/L	15.8	66.8	51	12	0	0.0%	37.18	15.8
TR Aluminum	ug/L	8.3	701	692.7	12	0	0.0%	102.35	201.1
Dissolved Arsenic	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	1.2	1.2	12	11	91.7%	0.10	0.1
TR Iron	mg/L	<0.05	1.24	1.24	12	6	50.0%	0.17	0.4
Dissolved Lead	ug/L	<0.16	<0.16	0	12	12	100.0%	0.00	0.0
TR Manganese	ug/L	2.5	53.6	51.1	12	0	0.0%	10.88	16.1
Mercury Dissolved	ug/L	<0.001	0.0016	0.0016	12	10	83.3%	0.00	0.0
Dissolved Nickel	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Selenium	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	3.1	3.1	12	11	91.7%	0.26	0.2
Color	color unit	<5	5	5	12	8	66.7%	1.67	0.0

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 6: Station MLA 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	0.1	12.8	12.7	12	0	0.0%	4.78	4.4
Dissolved Oxygen	mg/L	8.53	14.31	5.78	12	0	0.0%	10.76	1.5
pH	pH	7.34	8.14	0.8	12	0	0.0%	7.68	0.2
Conductivity	umhos/cm	80.5	140	59.5	12	0	0.0%	102.20	16.6
Turbidity	NTU	0.33	1.66	1.33	12	0	0.0%	0.77	0.4
Nitrate as N	mg/L	<0.05	<0.05	0	12	12	100.0%	0.00	0.0
Ammonia as N	mg/L	<0.1	0.23	0.23	12	10	83.3%	0.03	0.0
Sulfate	mg/L	1.86	2.67	0.81	12	0	0.0%	2.17	0.3
Chloride	mg/L	1.2	2.3	1.1	12	0	0.0%	1.61	0.3
Total Dissolved Solids	mg/L	42	147	105	12	0	0.0%	74.33	31.8
Total Suspended Solids	mg/L	<4	<4	0	12	12	100.0%	0.00	0.0
Hardness, Total	mg/L	39.2	56	16.8	12	0	0.0%	45.99	5.9
TR Aluminum	ug/L	52.7	177	124.3	12	0	0.0%	93.81	36.5
Dissolved Arsenic	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Iron	mg/L	0.086	0.594	0.508	12	0	0.0%	0.23	0.1
Dissolved Lead	ug/L	<0.16	<0.16	0	12	12	100.0%	0.00	0.0
TR Manganese	ug/L	12.1	100	87.9	12	0	0.0%	35.33	29.4
Mercury Dissolved	ug/L	<0.001	0.0039	0.0039	12	1	8.3%	0.00	0.0
Dissolved Nickel	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Selenium	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	4.3	4.3	12	9	75.0%	0.83	0.5
Color	color unit	45	120	75	12	0	0.0%	71.25	22.2

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 7: Station SMP-5 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	1	16.2	15.2	22	0	0.0%	6.03	4.5
Dissolved Oxygen	mg/L	7.92	15.94	8.02	21	0	0.0%	11.90	2.0
pH	pH	7.09	8.13	1.04	22	0	0.0%	7.69	0.3
Conductivity	umhos/cm	87	632	545	22	0	0.0%	346.20	165.1
Turbidity	NTU	0.43	2.37	1.94	21	0	0.0%	1.05	0.4
Nitrate as N	mg/L	<0.05	2.16	2.16	21	2	9.5%	0.54	0.6
Ammonia as N	mg/L	<0.1	2.16	2.16	21	3	14.3%	0.29	0.3
Sulfate	mg/L	2.95	187	184.05	21	0	0.0%	82.00	58.1
Chloride	mg/L	1.3	13.8	12.5	21	0	0.0%	4.92	3.6
Total Dissolved Solids	mg/L	79	387	308	21	0	0.0%	203.76	83.0
Total Suspended Solids	mg/L	<4	<4	0	21	21	100.0%	0.00	0.0
Hardness, Total	mg/L	47.5	224	176.5	20	0	0.0%	116.61	55.0
TR Aluminum	ug/L	19.8	253	233.2	21	0	0.0%	80.98	48.1
Dissolved Arsenic	ug/L	<2.5	<2.5	0	22	22	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	22	22	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	22	22	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	1	1	22	21	95.5%	0.05	0.0
TR Iron	mg/L	0.111	0.513	0.402	21	0	0.0%	0.27	0.1
Dissolved Lead	ug/L	<0.16	<0.16	0	22	22	100.0%	0.00	0.0
TR Manganese	ug/L	21.2	256	234.8	21	0	0.0%	97.07	63.4
Mercury Dissolved	ug/L	<0.001	0.0052	0.0052	21	2	9.5%	0.00	0.0
Dissolved Nickel	ug/L	<1	1.7	1.7	22	17	77.3%	0.30	0.2
TR Selenium	ug/L	<1	<1	0	21	21	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	22	22	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	5.9	5.9	22	11	50.0%	1.85	1.0
Color	color unit	15	120	105	21	0	0.0%	55.95	28.5

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 8: Station SLB 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	0.1	13.8	13.7	12	0	0.0%	5.43	4.6
Dissolved Oxygen	mg/L	10.24	15.72	5.48	12	0	0.0%	12.33	1.6
pH	pH	7.92	8.26	0.34	12	0	0.0%	8.07	0.1
Conductivity	umhos/cm	211	587	376	12	0	0.0%	348.25	129.4
Turbidity	NTU	0.51	1.97	1.46	12	0	0.0%	1.14	0.4
Nitrate as N	mg/L	0.243	2.08	1.837	12	0	0.0%	0.62	0.6
Ammonia as N	mg/L	<0.1	0.96	0.96	12	1	8.3%	0.29	0.3
Sulfate	mg/L	44.1	166	121.9	12	0	0.0%	91.92	44.7
Chloride	mg/L	2.6	12.1	9.5	12	0	0.0%	5.88	3.5
Total Dissolved Solids	mg/L	105	351	246	12	0	0.0%	232.42	76.3
Total Suspended Solids	mg/L	<4	<4	0	12	12	100.0%	0.00	0.0
Hardness, Total	mg/L	87.3	204	116.7	12	0	0.0%	132.17	44.3
TR Aluminum	ug/L	40.9	147	106.1	12	0	0.0%	74.33	34.3
Dissolved Arsenic	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Iron	mg/L	0.103	0.388	0.285	12	0	0.0%	0.26	0.1
Dissolved Lead	ug/L	<0.16	<0.16	0	12	12	100.0%	0.00	0.0
TR Manganese	ug/L	44.5	198	153.5	12	0	0.0%	81.63	51.8
Mercury Dissolved	ug/L	<0.001	0.0028	0.0028	12	3	25.0%	0.00	0.0
Dissolved Nickel	ug/L	<1	1.3	1.3	12	8	66.7%	0.37	0.1
TR Selenium	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	6	6	12	5	41.7%	2.53	1.2
Color	color unit	15	90	75	12	0	0.0%	50.83	23.7

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 9: Station SLC 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	0.3	11.8	11.5	12	0	0.0%	4.66	3.7
Dissolved Oxygen	mg/L	10.31	16.86	6.55	12	0	0.0%	13.03	1.9
pH	pH	7.84	8.15	0.31	12	0	0.0%	7.97	0.1
Conductivity	umhos/cm	107.9	401	293.1	12	0	0.0%	234.83	99.7
Turbidity	NTU	0.49	1.33	0.84	12	0	0.0%	0.78	0.3
Nitrate as N	mg/L	0.081	1.19	1.109	12	0	0.0%	0.33	0.3
Ammonia as N	mg/L	<0.1	0.53	0.53	12	5	41.7%	0.14	0.1
Sulfate	mg/L	18.4	98.6	80.2	12	0	0.0%	50.03	27.9
Chloride	mg/L	1.7	8.8	7.1	12	0	0.0%	4.71	2.4
Total Dissolved Solids	mg/L	59	243	184	12	0	0.0%	151.42	54.4
Total Suspended Solids	mg/L	<4	<4	0	12	12	100.0%	0.00	0.0
Hardness, Total	mg/L	40.7	142	101.3	12	0	0.0%	90.06	33.6
TR Aluminum	ug/L	31.3	90.4	59.1	12	0	0.0%	57.31	19.3
Dissolved Arsenic	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Iron	mg/L	0.065	0.222	0.157	12	0	0.0%	0.14	0.1
Dissolved Lead	ug/L	<0.16	<0.16	0	12	12	100.0%	0.00	0.0
TR Manganese	ug/L	15.8	106	90.2	12	0	0.0%	40.15	27.9
Mercury Dissolved	ug/L	<0.001	0.0028	0.0028	12	3	25.0%	0.00	0.0
Dissolved Nickel	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Selenium	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	4.8	4.8	12	7	58.3%	1.43	0.7
Color	color unit	10	70	60	12	0	0.0%	37.92	17.1

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 10: Station SH109 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	0.5	7.6	7.1	12	0	0.0%	2.97	2.6
Dissolved Oxygen	mg/L	6.46	17.55	11.09	12	0	0.0%	12.02	2.8
pH	pH	7.7	8.29	0.59	12	0	0.0%	7.89	0.2
Conductivity	umhos/cm	53	140.2	87.2	12	0	0.0%	94.26	27.4
Turbidity	NTU	0.16	2.8	2.64	12	0	0.0%	0.67	0.8
Nitrate as N	mg/L	<0.05	0.202	0.202	12	2	16.7%	0.11	0.1
Ammonia as N	mg/L	<0.1	0.11	0.11	12	11	91.7%	0.01	0.0
Sulfate	mg/L	2.99	10.1	7.11	12	0	0.0%	6.88	2.7
Chloride	mg/L	<1	7	7	12	5	41.7%	1.33	1.7
Total Dissolved Solids	mg/L	<10	111	111	12	1	8.3%	47.50	30.7
Total Suspended Solids	mg/L	<4	<4	0	12	12	100.0%	0.00	0.0
Hardness, Total	mg/L	23.8	54	30.2	12	0	0.0%	40.88	11.0
TR Aluminum	ug/L	5.9	28.3	22.4	12	0	0.0%	13.53	7.6
Dissolved Arsenic	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	1	1	12	11	91.7%	0.08	0.0
TR Iron	mg/L	<0.05	0.062	0.062	12	11	91.7%	0.01	0.0
Dissolved Lead	ug/L	<0.16	<0.16	0	12	12	100.0%	0.00	0.0
TR Manganese	ug/L	<1	3.9	3.9	12	1	8.3%	1.50	0.8
Mercury Dissolved	ug/L	<0.001	<0.001	0	12	12	100.0%	0.00	0.0
Dissolved Nickel	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Selenium	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Color	color unit	<5	5	5	12	5	41.7%	2.92	0.0

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 11: Station SH113 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	1.4	8.6	7.2	18	0	0.0%	4.52	2.6
Dissolved Oxygen	mg/L	7.85	17.11	9.26	18	0	0.0%	12.80	2.0
pH	pH	6.76	7.93	1.17	18	0	0.0%	7.59	0.3
Conductivity	umhos/cm	15.1	341	325.9	18	0	0.0%	179.49	91.0
Turbidity	NTU	0.15	2.21	2.06	16	0	0.0%	0.59	0.6
Nitrate as N	mg/L	0.203	1.37	1.167	16	0	0.0%	0.72	0.4
Ammonia as N	mg/L	<0.1	0.69	0.69	16	3	18.8%	0.27	0.2
Sulfate	mg/L	8.06	57.9	49.84	16	0	0.0%	22.46	12.8
Chloride	mg/L	2.9	19	16.1	16	1	6.3%	6.48	4.4
Total Dissolved Solids	mg/L	39	211	172	16	0	0.0%	92.63	44.3
Total Suspended Solids	mg/L	<4	<4	0	16	16	100.0%	0.00	0.0
Hardness, Total	mg/L	33.5	117	83.5	16	0	0.0%	64.31	22.0
TR Aluminum	ug/L	8	97.4	89.4	16	0	0.0%	23.33	23.0
Dissolved Arsenic	ug/L	<2.5	<2.5	0	16	16	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	16	16	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	16	16	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	1.2	1.2	16	14	87.5%	0.14	0.1
TR Iron	mg/L	<0.05	0.177	0.177	16	12	75.0%	0.03	0.0
Dissolved Lead	ug/L	<0.16	<0.16	0	16	16	100.0%	0.00	0.0
TR Manganese	ug/L	7.8	86	78.2	16	0	0.0%	29.48	18.9
Mercury Dissolved	ug/L	<0.001	0.0015	0.0015	16	13	81.3%	0.00	0.0
Dissolved Nickel	ug/L	<1	<1	0	16	16	100.0%	0.00	0.0
TR Selenium	ug/L	<1	1.1	1.1	16	15	93.8%	0.07	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	16	16	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	5.2	5.2	16	13	81.3%	0.68	0.7
Color	color unit	<5	15	15	16	4	25.0%	5.00	2.9

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 12: Station SH105 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	1	8.3	7.3	12	0	0.0%	3.98	2.6
Dissolved Oxygen	mg/L	7.39	19.5	12.11	12	0	0.0%	13.12	3.0
pH	pH	7.42	8.21	0.79	12	0	0.0%	7.81	0.2
Conductivity	umhos/cm	64.7	218	153.3	12	0	0.0%	130.98	53.4
Turbidity	NTU	0.15	0.64	0.49	12	0	0.0%	0.39	0.1
Nitrate as N	mg/L	0.16	1.04	0.88	12	0	0.0%	0.44	0.2
Ammonia as N	mg/L	<0.1	0.32	0.32	12	11	91.7%	0.03	0.1
Sulfate	mg/L	4.95	31.3	26.35	12	0	0.0%	17.26	10.1
Chloride	mg/L	1.7	12	10.3	12	0	0.0%	5.27	3.6
Total Dissolved Solids	mg/L	28	140	112	12	0	0.0%	74.25	35.6
Total Suspended Solids	mg/L	<4	<4	0	12	12	100.0%	0.00	0.0
Hardness, Total	mg/L	28.2	89.7	61.5	12	0	0.0%	54.03	21.7
TR Aluminum	ug/L	13.1	44.5	31.4	12	0	0.0%	26.99	12.0
Dissolved Arsenic	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	12	12	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	1.3	1.3	12	7	58.3%	0.47	0.1
TR Iron	mg/L	<0.05	0.067	0.067	12	7	58.3%	0.03	0.0
Dissolved Lead	ug/L	<0.16	<0.16	0	12	12	100.0%	0.00	0.0
TR Manganese	ug/L	3.6	35	31.4	12	0	0.0%	11.21	8.6
Mercury Dissolved	ug/L	<0.001	0.0021	0.0021	12	8	66.7%	0.00	0.0
Dissolved Nickel	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
TR Selenium	ug/L	<1	<1	0	12	12	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	12	12	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	3.6	3.6	12	10	83.3%	0.54	0.3
Color	color unit	<5	35	35	12	1	8.3%	14.58	10.7

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 13: Station SH111 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	2.5	6.4	3.9	3	0	0.0%	4.67	2.0
Dissolved Oxygen	mg/L	12.63	13.46	0.83	3	0	0.0%	12.98	0.4
pH	pH	7.61	7.84	0.23	3	0	0.0%	7.73	0.1
Conductivity	umhos/cm	42.5	70.6	28.1	3	0	0.0%	58.63	14.5
Turbidity	NTU	<0.1	0.15	0.15	3	1	33.3%	0.08	0.0
Nitrate as N	mg/L	0.053	0.206	0.153	3	0	0.0%	0.13	0.1
Ammonia as N	mg/L	<0.1	<0.1	0	3	3	100.0%	0.00	0.0
Sulfate	mg/L	1.85	3.32	1.47	3	0	0.0%	2.69	0.8
Chloride	mg/L	<1	<1	0	3	3	100.0%	0.00	0.0
Total Dissolved Solids	mg/L	26	35	9	3	0	0.0%	30.00	4.6
Total Suspended Solids	mg/L	<4	<4	0	3	3	100.0%	0.00	0.0
Hardness, Total	mg/L	20.4	26.4	6	3	0	0.0%	24.13	3.3
TR Aluminum	ug/L	3.2	5.7	2.5	3	0	0.0%	4.57	1.3
Dissolved Arsenic	ug/L	<2.5	<2.5	0	3	3	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	3	3	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	3	3	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	<1	0	3	3	100.0%	0.00	0.0
TR Iron	mg/L	<0.05	<0.05	0	3	3	100.0%	0.00	0.0
Dissolved Lead	ug/L	<0.16	<0.16	0	3	3	100.0%	0.00	0.0
TR Manganese	ug/L	<1	<1	0	3	3	100.0%	0.00	0.0
Mercury Dissolved	ug/L	<0.001	<0.001	0	3	3	100.0%	0.00	0.0
Dissolved Nickel	ug/L	<1	<1	0	3	3	100.0%	0.00	0.0
TR Selenium	ug/L	<1	<1	0	3	3	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	3	3	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	<2.5	0	3	3	100.0%	0.00	0.0
Color	color unit	<5	5	5	3	2	66.7%	1.67	0.0

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 14: Station SH103 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	5.4	7.4	2	5	0	0.0%	4.56	2.8
Dissolved Oxygen	mg/L	12.23	12.62	0.39	5	0	0.0%	12.97	1.3
pH	pH	7.31	7.6	0.29	5	0	0.0%	7.40	0.1
Conductivity	umhos/cm	55.6	777	721.4	5	0	0.0%	264.38	299.9
Turbidity	NTU	0.12	0.26	0.14	5	0	0.0%	0.19	0.1
Nitrate as N	mg/L	0.102	5.14	5.038	5	0	0.0%	1.45	2.1
Ammonia as N	mg/L	<0.1	<0.1	0	5	5	100.0%	0.00	0.0
Sulfate	mg/L	7.42	254	246.58	5	0	0.0%	74.70	103.9
Chloride	mg/L	<1	13.9	13.9	5	3	60.0%	3.08	5.7
Total Dissolved Solids	mg/L	32	434	402	5	0	0.0%	149.20	168.3
Total Suspended Solids	mg/L	<4	<4	0	5	5	100.0%	0.00	0.0
Hardness, Total	mg/L	24.6	309	284.4	5	0	0.0%	106.54	118.5
TR Aluminum	ug/L	3.4	8.1	4.7	5	0	0.0%	5.50	2.1
Dissolved Arsenic	ug/L	<2.5	<2.5	0	5	5	100.0%	0.00	0.0
Dissolved Cadmium	ug/L	<0.1	<0.1	0	5	5	100.0%	0.00	0.0
Dissolved Chromium	ug/L	<2.5	<2.5	0	5	5	100.0%	0.00	0.0
Dissolved Copper	ug/L	<1	1.8	1.8	5	3	60.0%	0.60	0.3
TR Iron	mg/L	<0.05	<0.05	0	5	5	100.0%	0.00	0.0
Dissolved Lead	ug/L	<0.16	<0.16	0	5	5	100.0%	0.00	0.0
TR Manganese	ug/L	<1	7.2	7.2	5	2	40.0%	3.10	3.0
Mercury Dissolved	ug/L	<0.001	0.0011	0.0011	5	3	60.0%	0.00	0.0
Dissolved Nickel	ug/L	<1	<1	0	5	5	100.0%	0.00	0.0
TR Selenium	ug/L	<1	<1	0	5	5	100.0%	0.00	0.0
Dissolved Silver	ug/L	<0.1	<0.1	0	5	5	100.0%	0.00	0.0
Dissolved Zinc	ug/L	<2.5	4.9	4.9	5	4	80.0%	0.98	1.1
Color	color unit	<5	15	15	5	2	40.0%	6.00	4.5

*Non-detects are assigned a value of zero in the arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 15: Station CAK-001EFF (Outfall 001 Effluent) 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	0.6	12.5	11.9	61	0	0.00%	7.96	2.55
Dissolved oxygen	mg/L	5.86	19.39	13.53	60	0	0.00%	10.66	1.48
Lab Turbidity	NTU	0.16	4.35	4.19	61	0	0.00%	1.17	1.8
Ammonia as N	mg/L	0.33	3.32	2.99	61	0	0.00%	0.85	0.53
Nitrate as N	mg/L	1.22	6.59	5.37	61	0	0.00%	1.98	1.04
Sulfate (as S)	mg/L	8.2	19.6	11.4	61	0	0.00%	12.50	7.5
Total Dissolved Solids	mg/L	158	378	220	61	0	0.00%	265.08	79.3
Total Suspended Solids	mg/L	<4.0	7.6	7.6	366	351	95.90%	0.05	0.20
Total Recoverable Aluminum	ug/L	1.5	15	13.5	61	0	0.00%	4.49	2
Total Recoverable Arsenic	ug/L	<2.5	<2.5	0	52	52	100.00%	0.00	0.0
Total Recoverable Cadmium	ug/L	<0.02	<0.1	0	61	60	98.36%	0.00	0.0
Total Chromium	ug/L	<2.5	4.6	4.6	52	50	96.15%	0.14	0.29
Total Recoverable Copper	ug/L	<1	12.7	12.7	61	43	70.49%	1.18	2.4
Total Recoverable Iron	mg/L	<0.05	0.576	0.576	61	14	22.95%	0.08	0.08
Total Recoverable Lead	ug/L	<0.16	<1	0	61	61	100.00%	0.00	0.11
Total Recoverable Manganese	ug/L	21	382	361	61	0	0.00%	154.64	75
Total Recoverable Nickel	ug/L	<1	3.8	3.8	61	40	65.57%	0.50	0.4
Total Recoverable Selenium	ug/L	<1	2.2	2.2	50	1	2.00%	1.56	0.3
Total Recoverable Silver	ug/L	<0.1	<0.1	0	51	51	100.00%	0.00	0.0
Total Recoverable Zinc	ug/L	<2.5	14.1	14.1	61	51	83.61%	1.03	2.0
Total Mercury (1631)	ug/L	<0.001	0.0026	0.0026	49	36	73.47%	0.0004	0.0004
Hardness (Downstream of Outfall)	mg/L	30.6	143	112.4	61	0	0.00%	78.63	32.4

* Non-detects are treated as 0.0 in range and arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Table 16: Station CAK-002EFF (Outfall 002 Effluent) 2012 Water Quality Data Summary Statistics

Parameter	Units	Min	Max	Range (Max - Min)	Number of Samples	Number of NonDetects	Percent NonDetects	Arithmetic Mean	Standard Deviation
Temp	oC	2	17.2	15.2	65	0	0.00%	7.89	4.64
Lab Turbidity	NTU	0.54	7.61	7.07	66	0	0.00%	1.58	0.9
Ammonia as N	mg/L	0.35	1.37	1.02	66	0	0.00%	0.78	0.33
Nitrate as N	mg/L	0.59	2.79	2.2	66	0	0.00%	1.41	0.73
Hardness	mg/L	210	278	68	66	0	0.00%	248.14	14.8
Hardness (Downstream of Outfall)	mg/L	56.1	236	179.9	66	0	0.00%	140.20	56.8
Sulfate	mg/L	179	250	71	66	0	0.00%	216.65	14.3
Total Suspended Solids	mg/L	<4	8.4	8.4	364	326	89.56%	0.50	0.5
Total Recoverable Arsenic	mg/L	<2.5	<2.5	0	55	55	100.00%	0.00	0.00
Total Recoverable Iron	ug/L	0.133	2.6	2.467	66	0	0.00%	0.54	0
Total Recoverable Selenium	ug/L	<1	<5	0	66	66	100.00%	0.00	0.5
Total Chromium	ug/L	<2.5	<2.5	0	65	65	100.00%	0.00	0.0
Total Recoverable Nickel	ug/L	<1	2.9	2.9	66	12	18.18%	1.39	0.48
Total Recoverable Silver	ug/L	<0.1	<10	0	66	66	100.00%	0.00	1.2
Total Recoverable Zinc	mg/L	<2.5	8.3	8.3	66	50	75.76%	0.91	0.88
Total Recoverable Aluminum	ug/L	6.9	379	372.1	66	0	0.00%	67.42	84.27
Total Recoverable Cadmium	ug/L	<0.02	0.1	0.1	66	63	95.45%	0.00	0
Total Recoverable Lead	ug/L	<0.16	<0.16	0	66	66	100.00%	0.00	0.0
Total Recoverable Copper	ug/L	<1	1.9	1.9	66	48	72.73%	0.36	0.2
Total Recoverable Manganese	ug/L	74.7	420	345.3	66	0	0.00%	219.5615	98.6
Total Dissolved Solids	ug/L	279	482	203	66	0	0.00%	418.43	33.2
Total Mercury (1631)	ug/L	<0.001	0.0047	0.0047	67	16	23.88%	0.00	0.0006

* Non-detects are treated as 0.0 in range and arithmetic mean calculation

**Non-detects are assigned a value equal to the detection limit in standard deviation calculation

Figures 1-11

Figure 1: Project Area Map

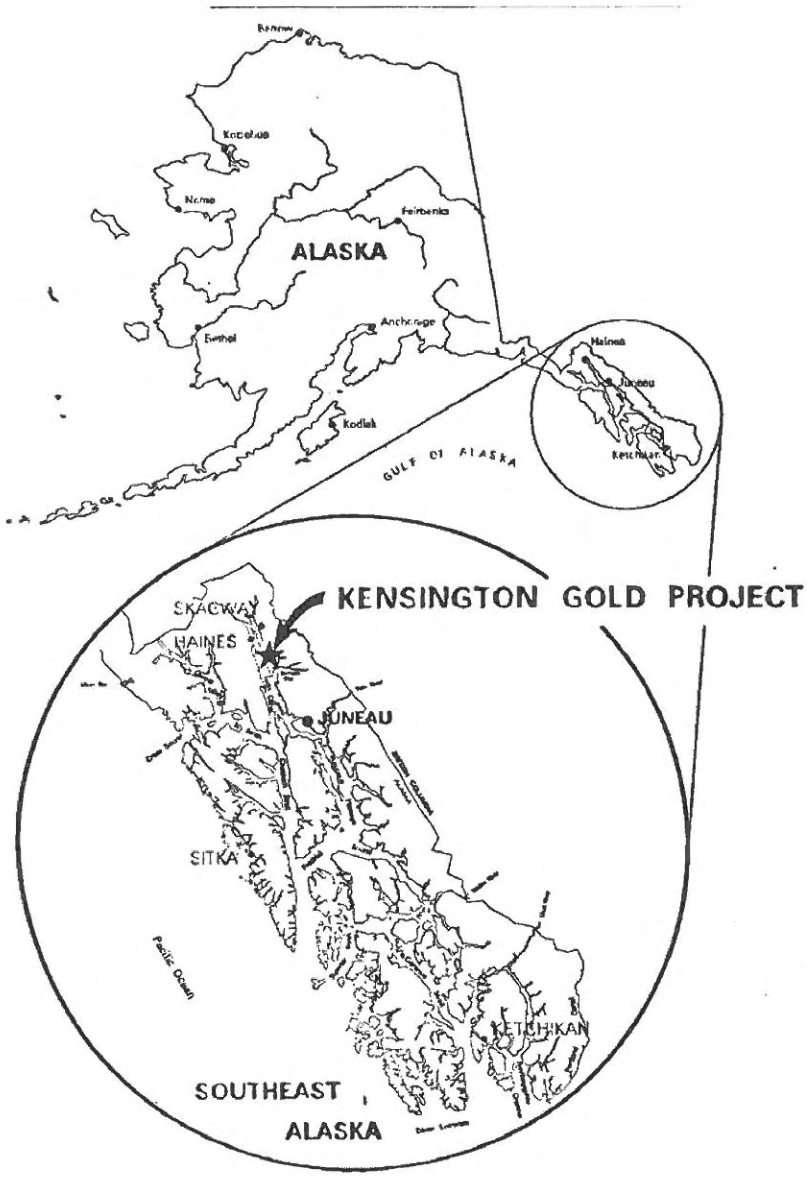


Figure 2: Location of streams and permitted outfalls near Kensington and Jualin Mines, Lynn Canal, southeast Alaska. Water quality monitoring is conducted on Sherman, Ophir, Slate and Johnson Creeks.

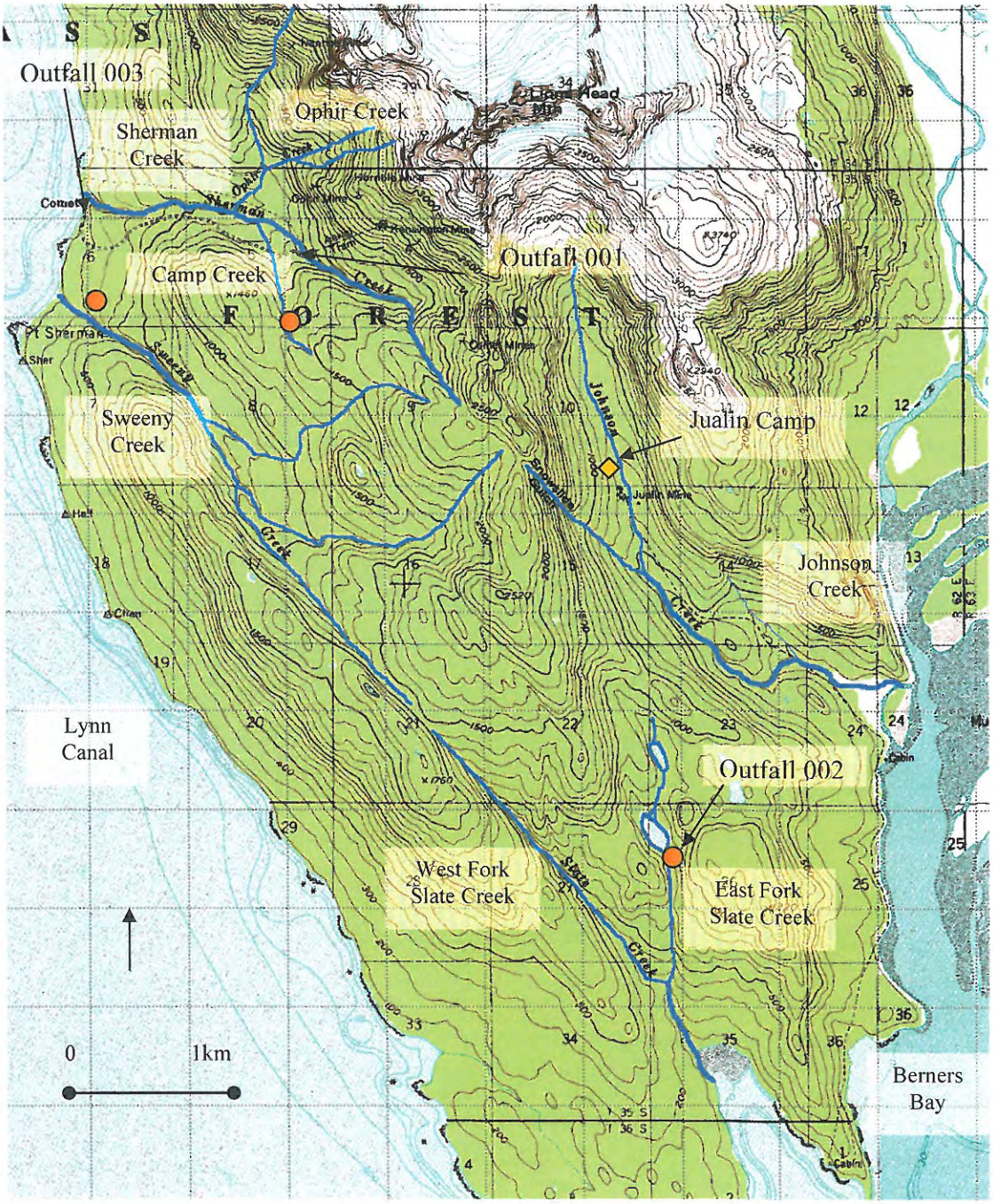


Figure 3: Water Treatment Facility Monitoring Sites.

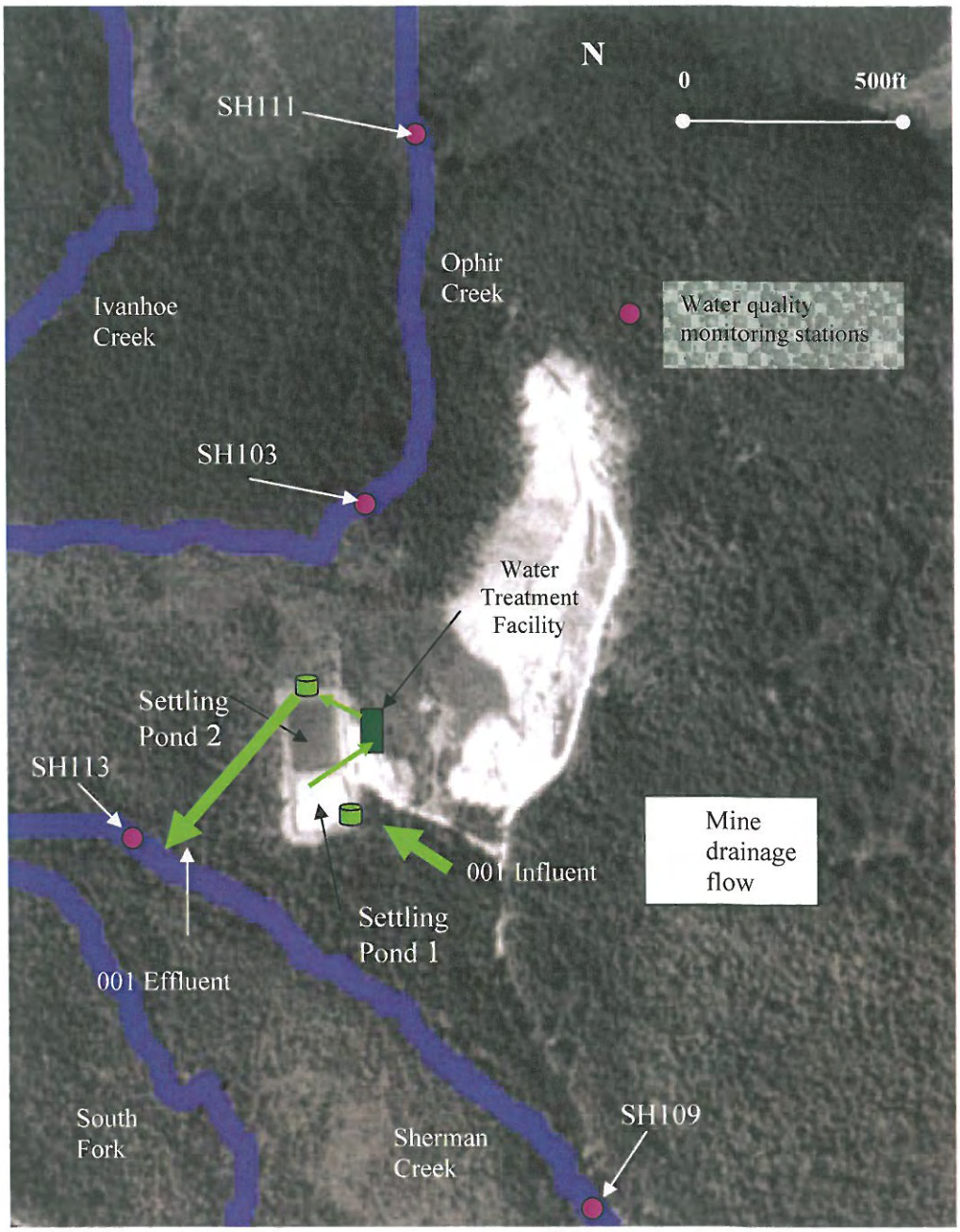


Figure 4: Location of receiving water quality monitoring stations on Sherman and Ophir Creeks.

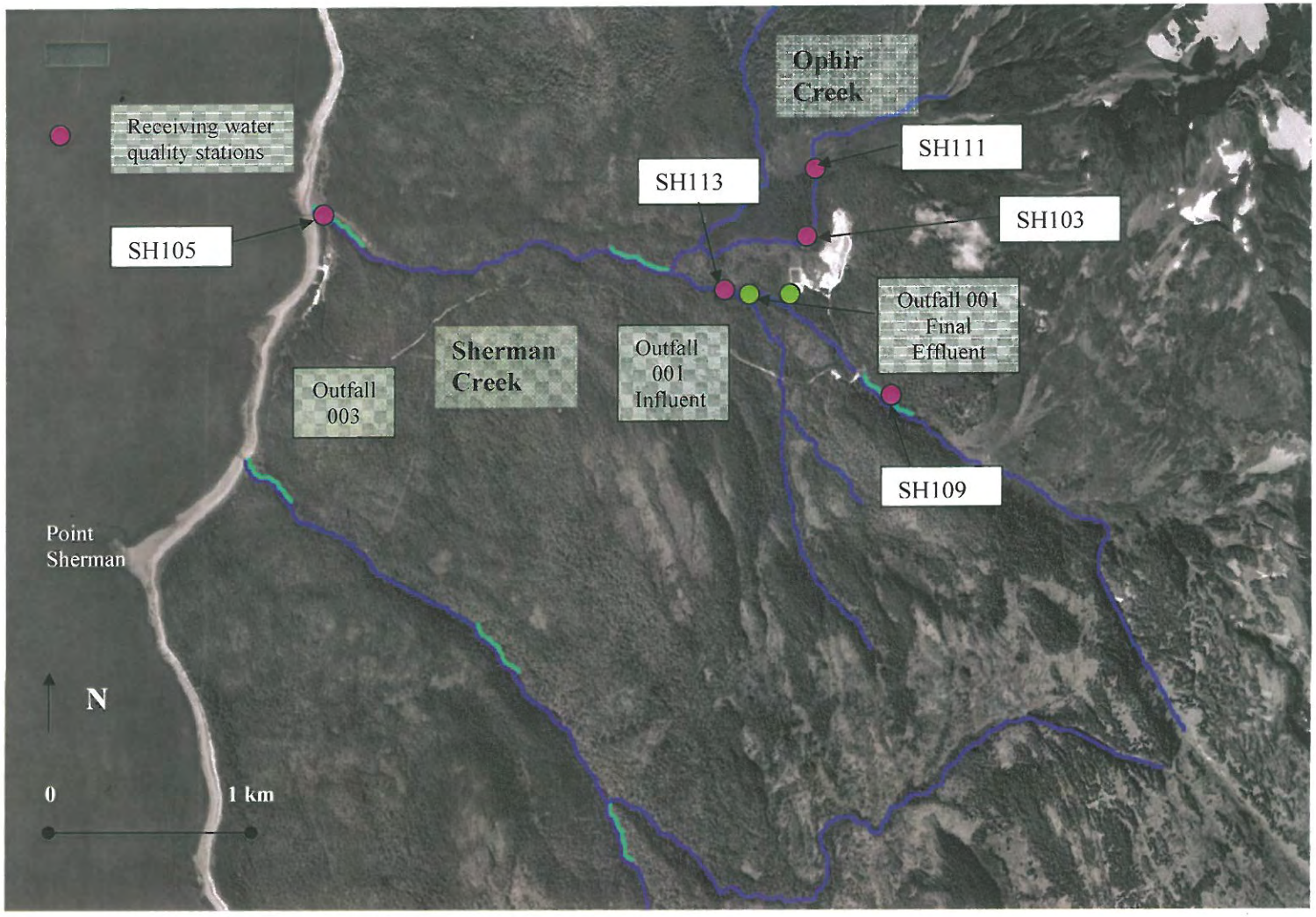


Figure 5: Locations of receiving water quality monitoring stations on Slate and Johnson Creeks.

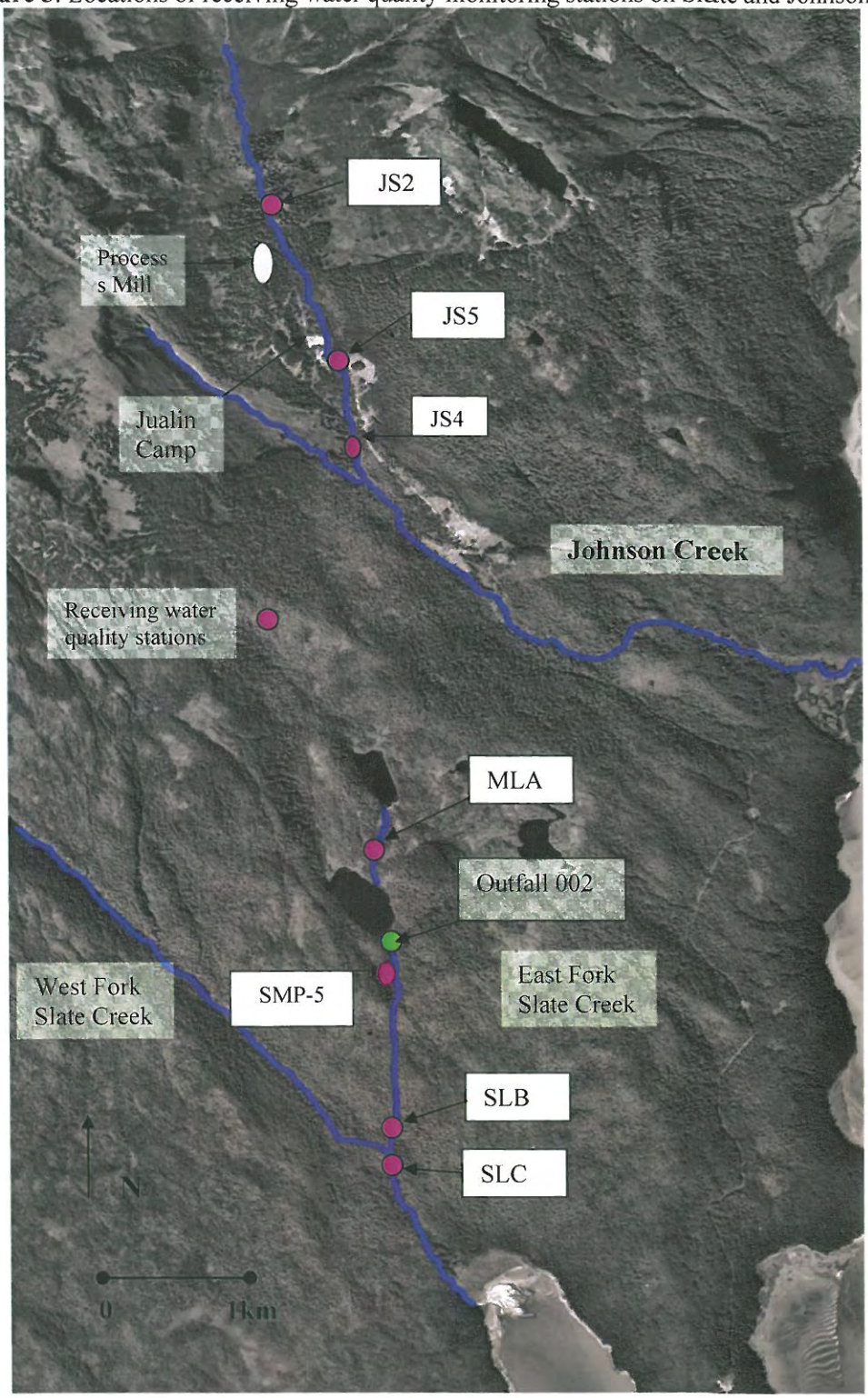
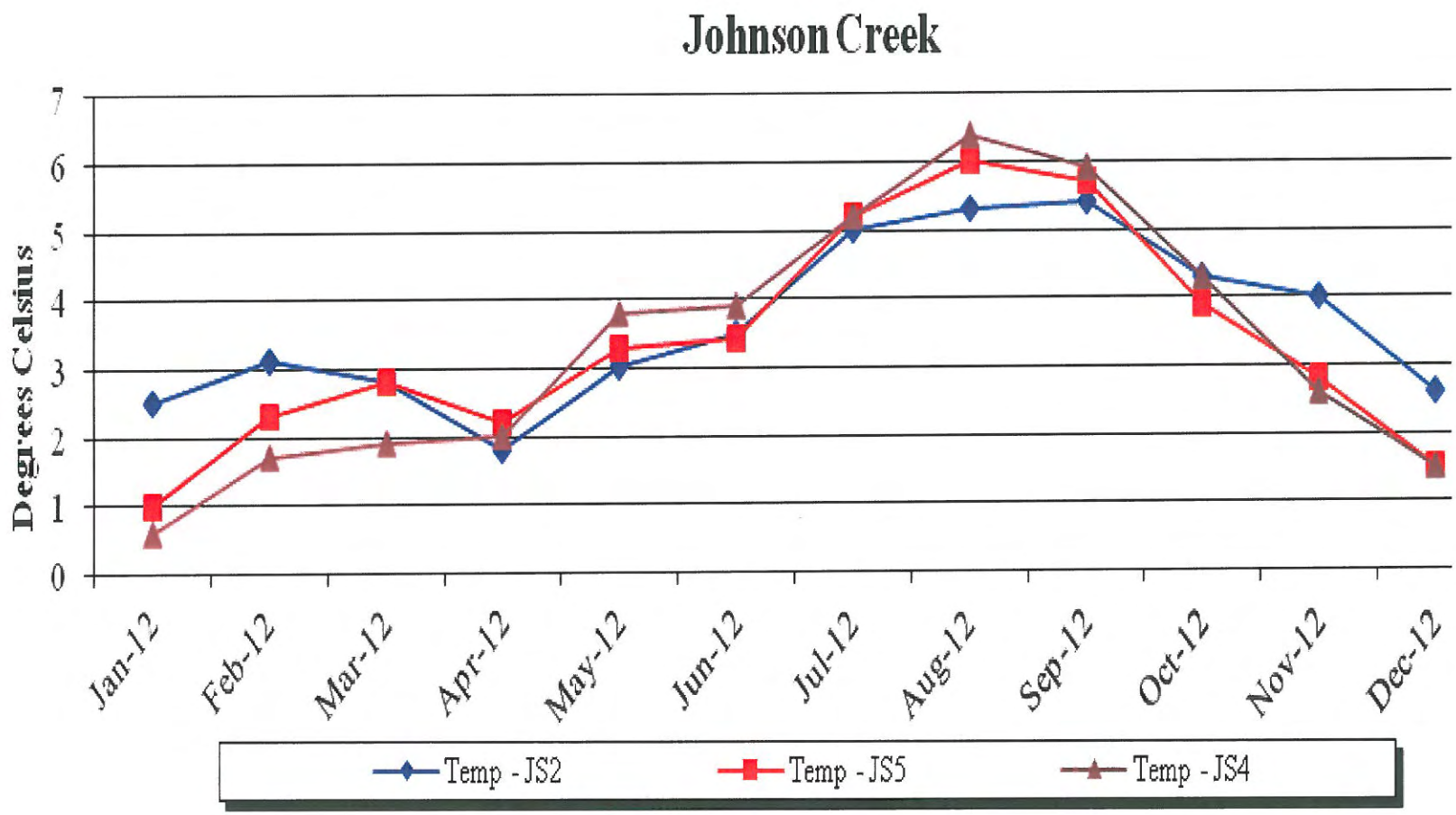


Figure 6a: Johnson Creek Monitoring Results 2012, Field Parameters



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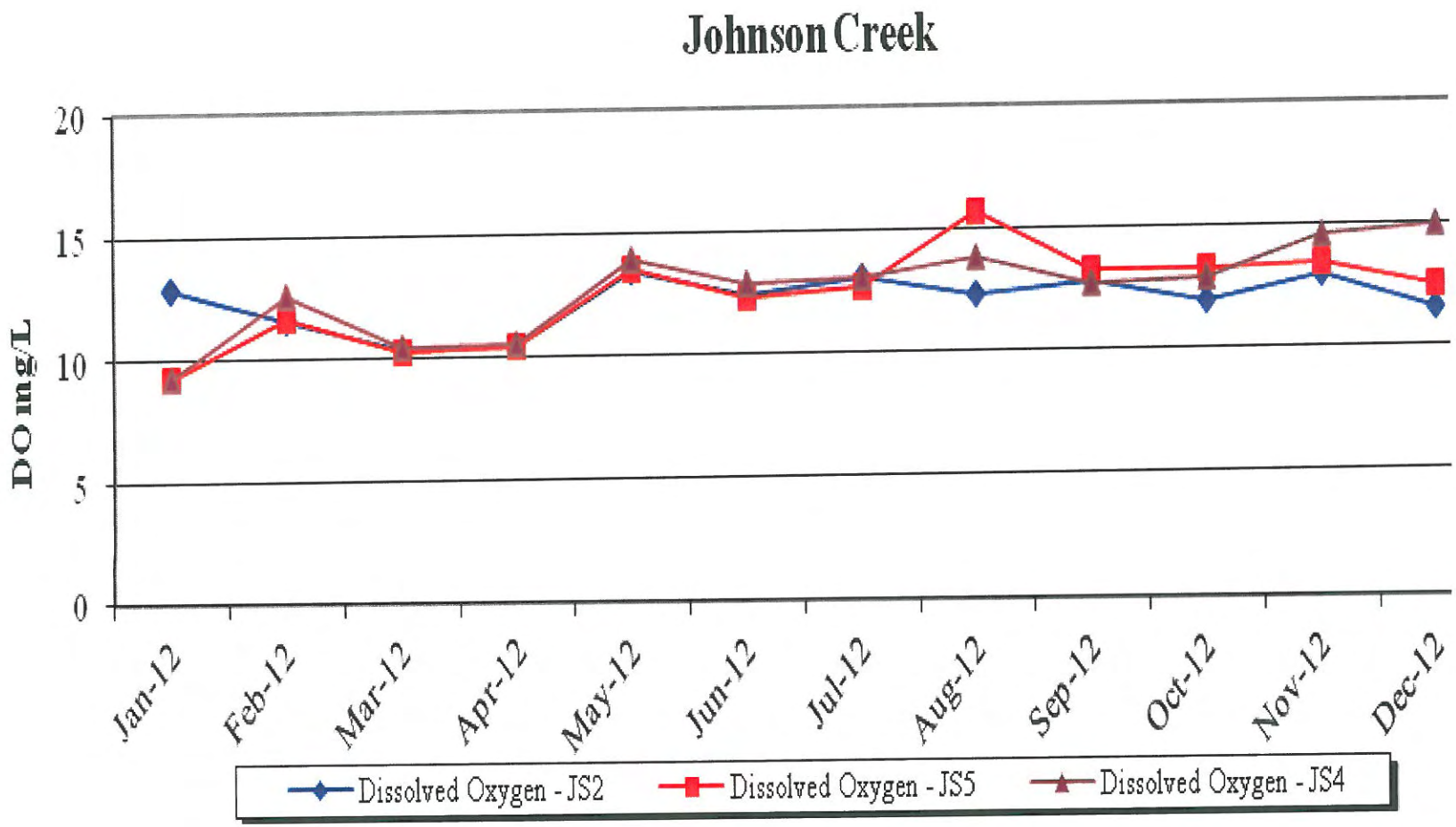

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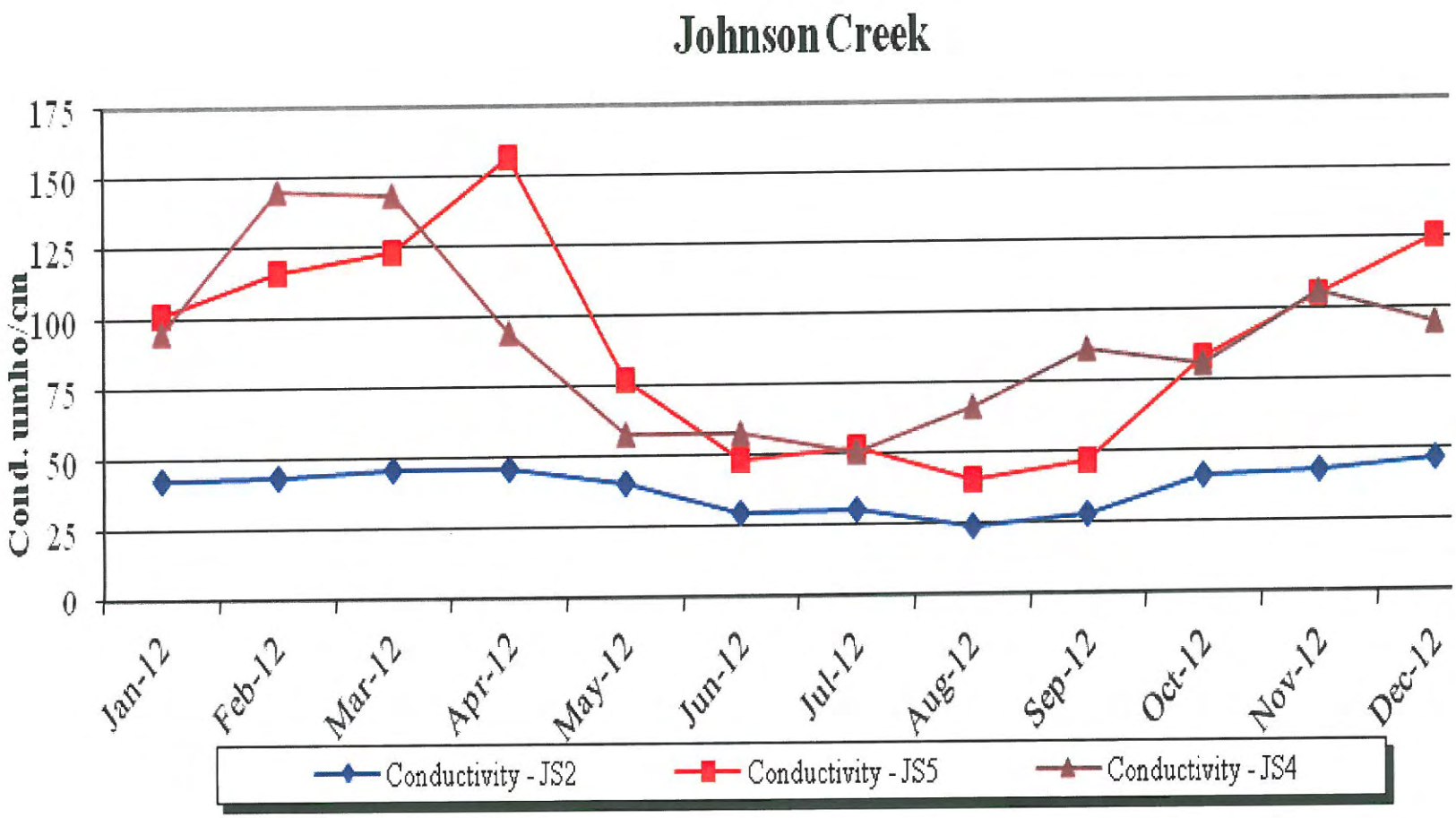

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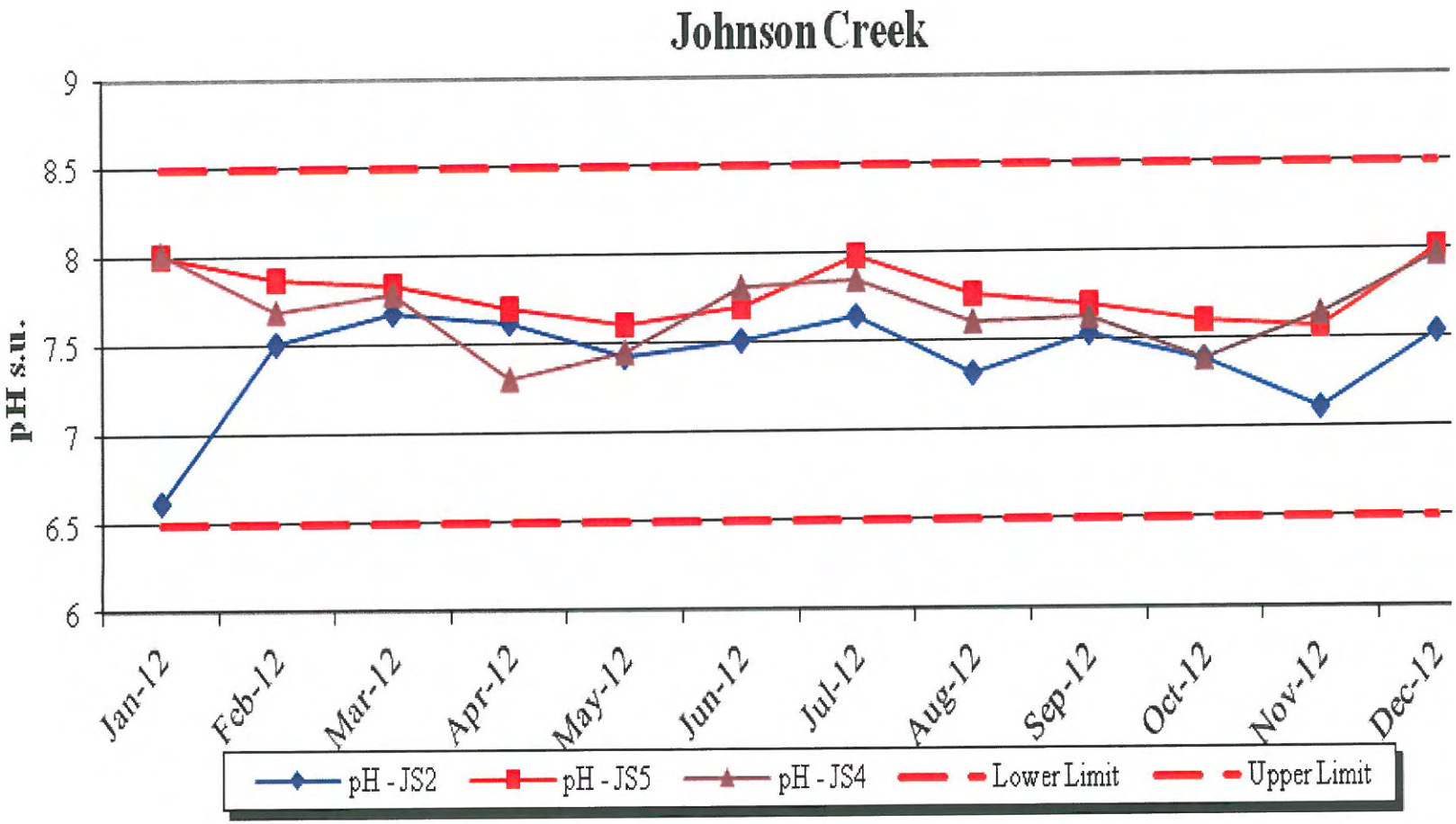
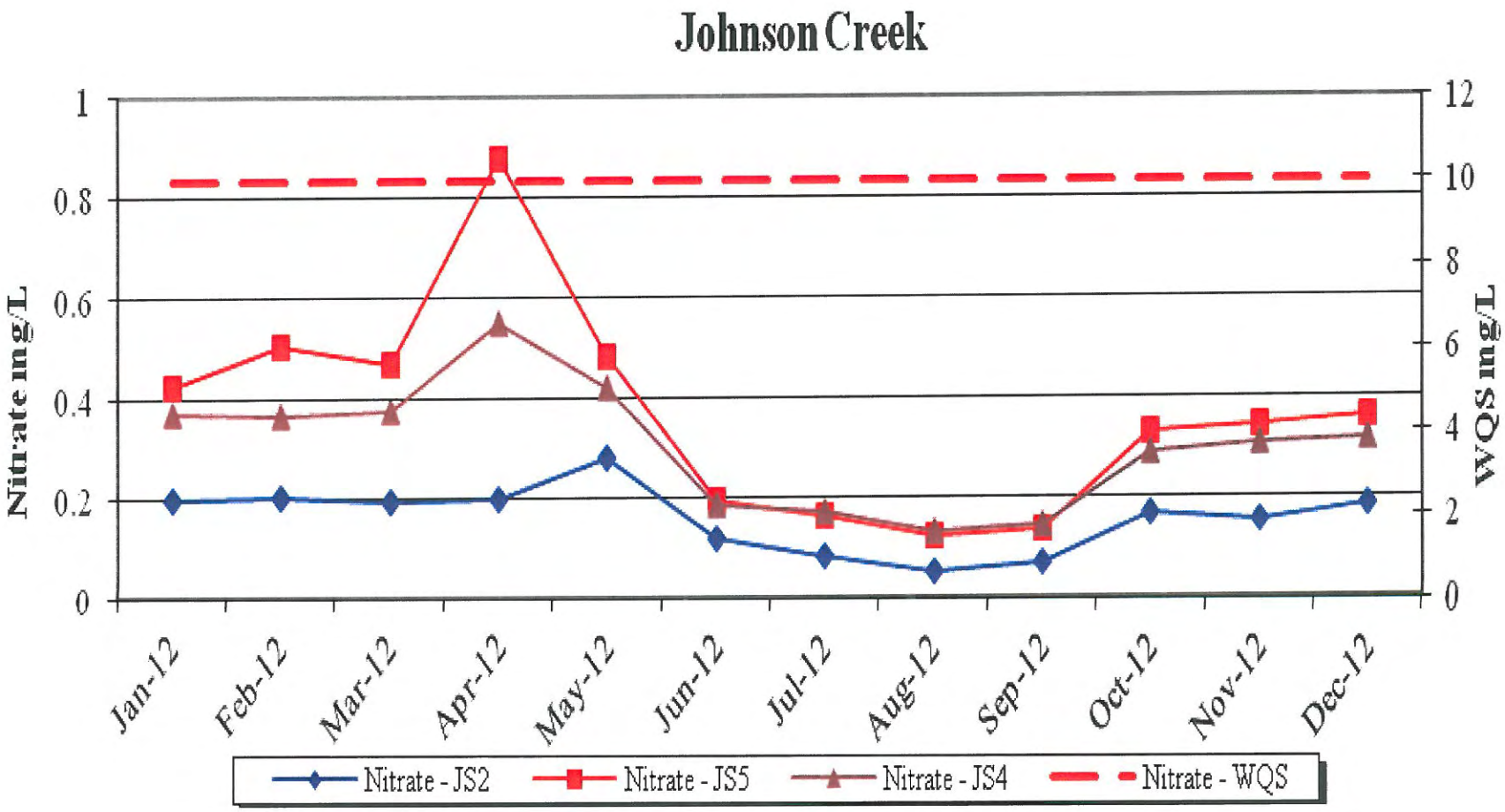


Figure 6b: Johnson Creek Monitoring Results 2012, Major Chemistry



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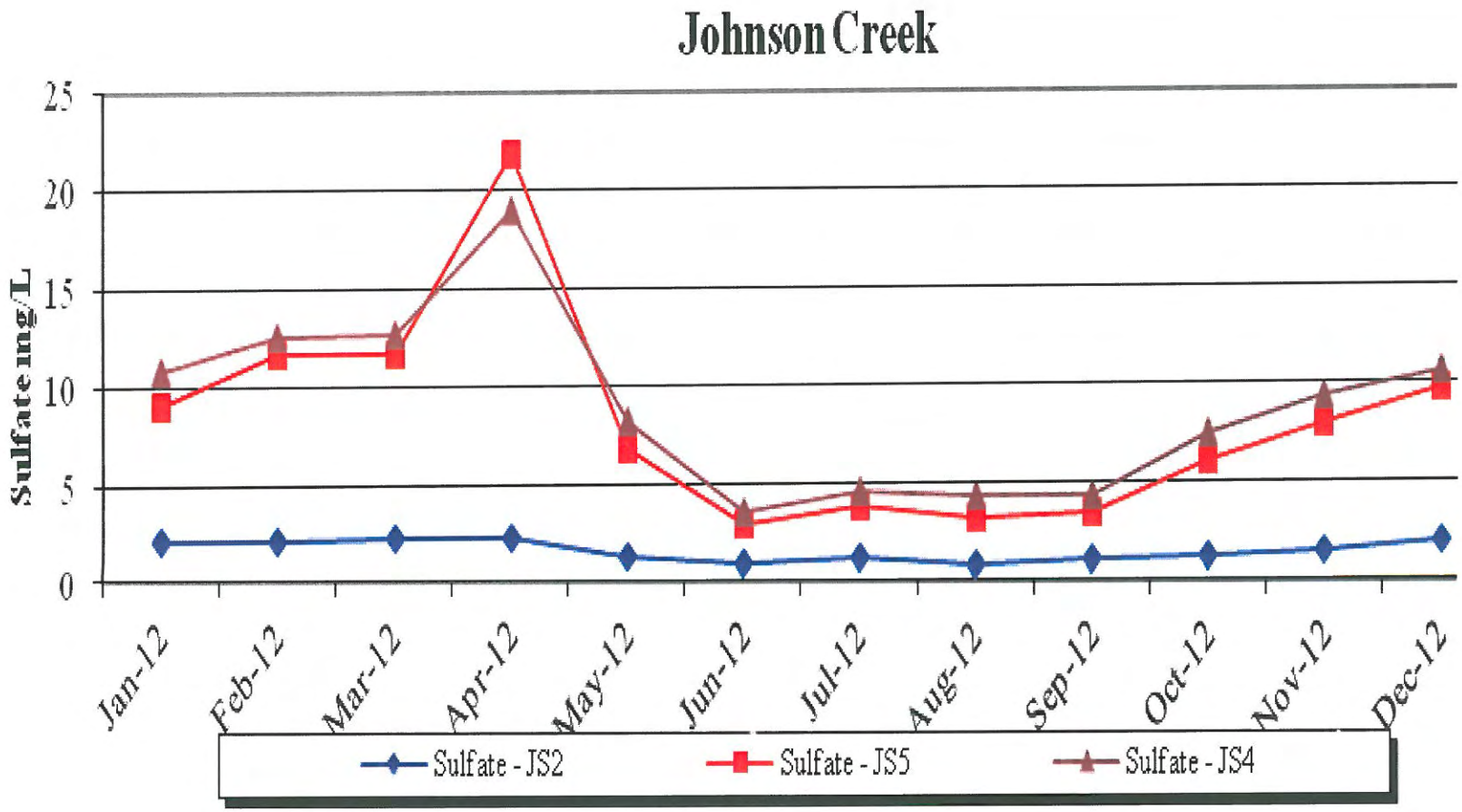

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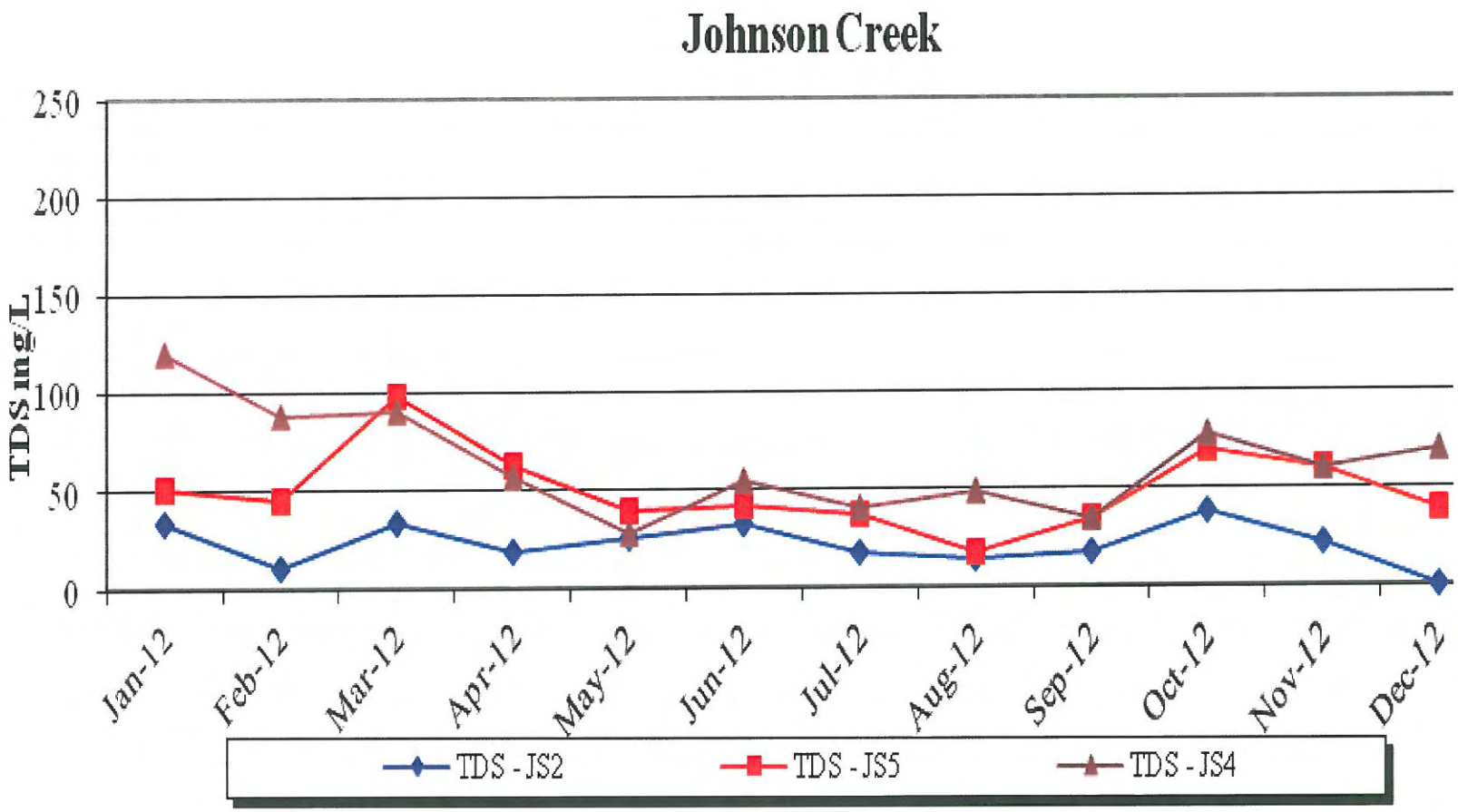

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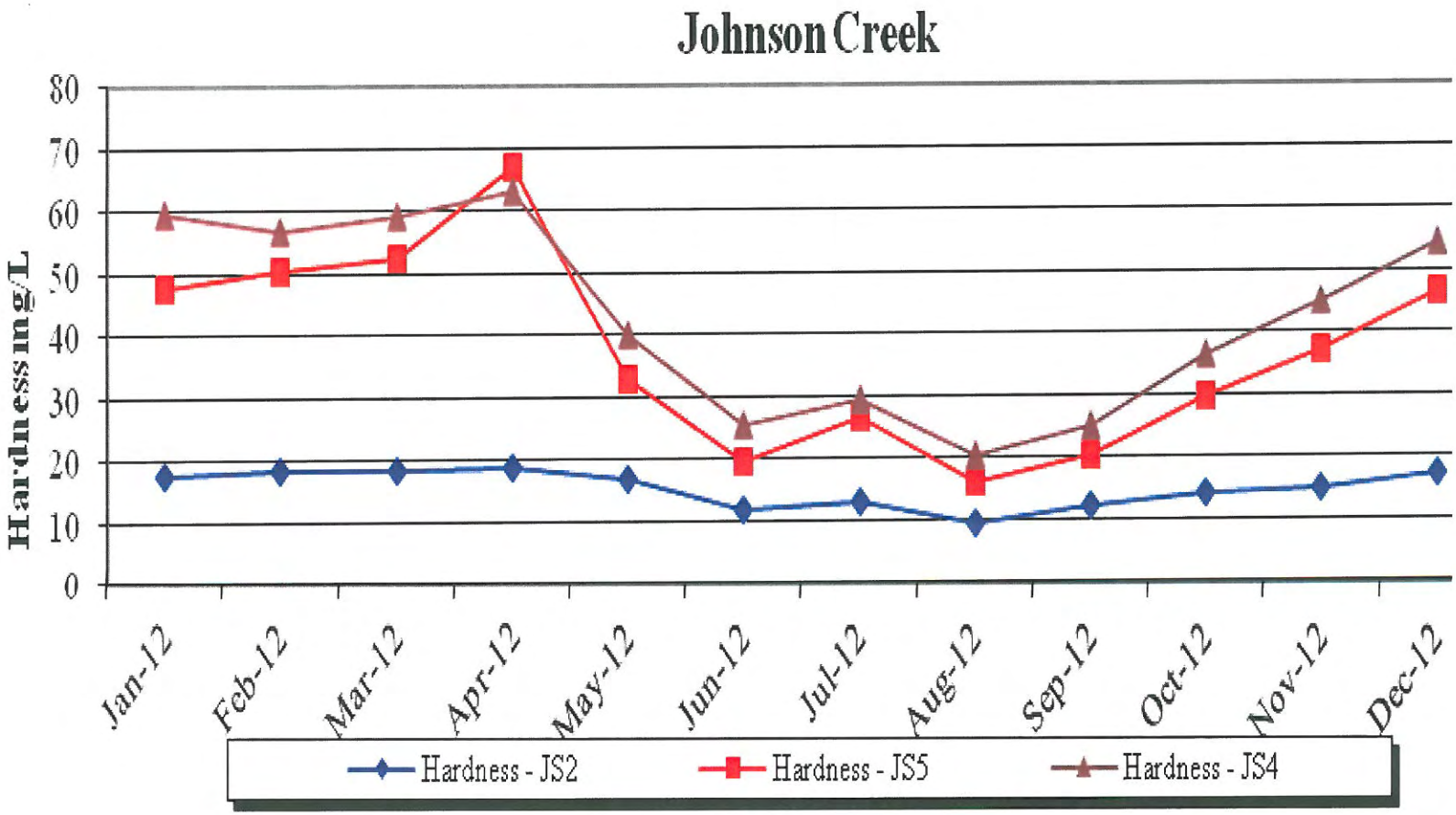

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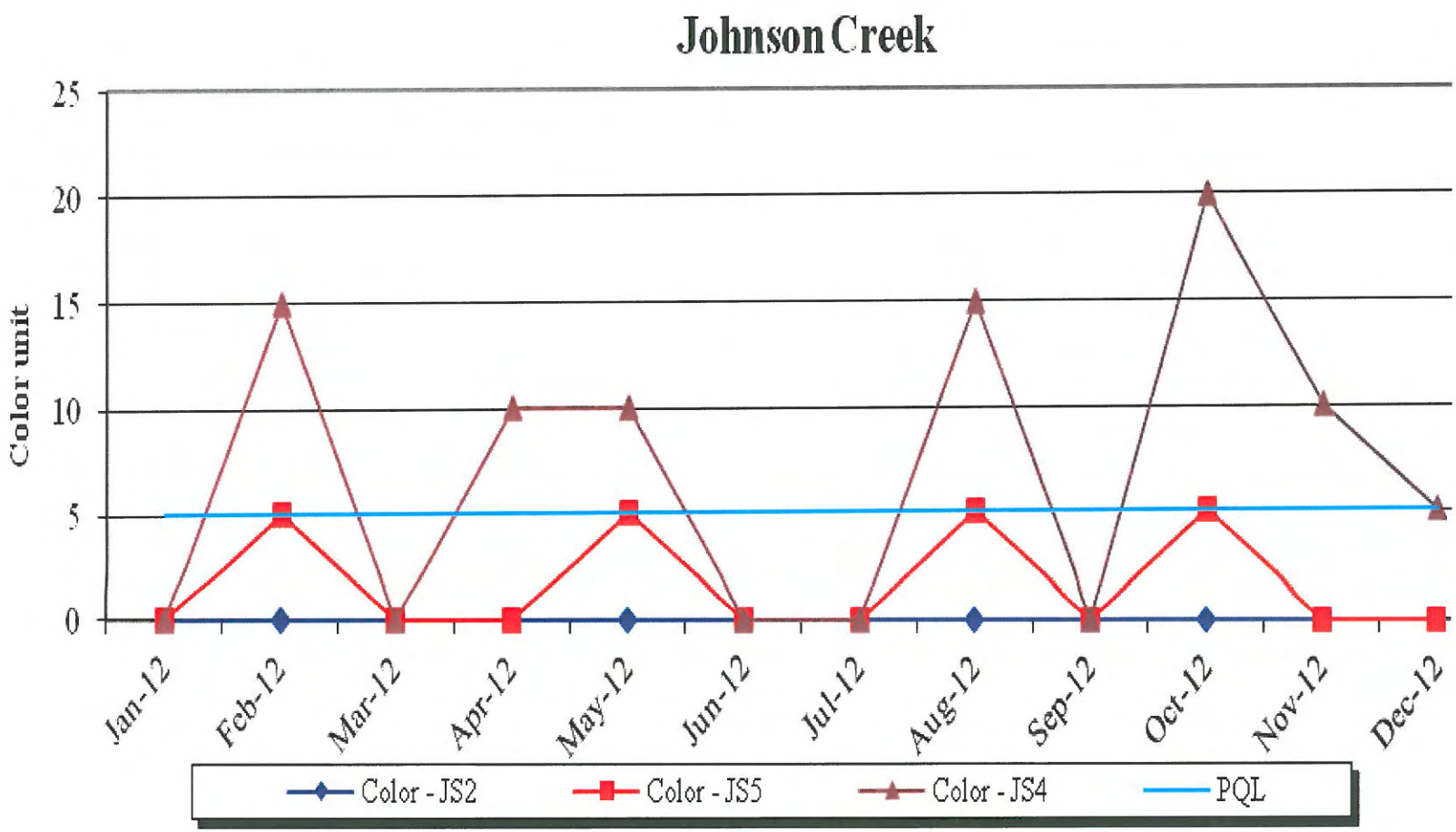

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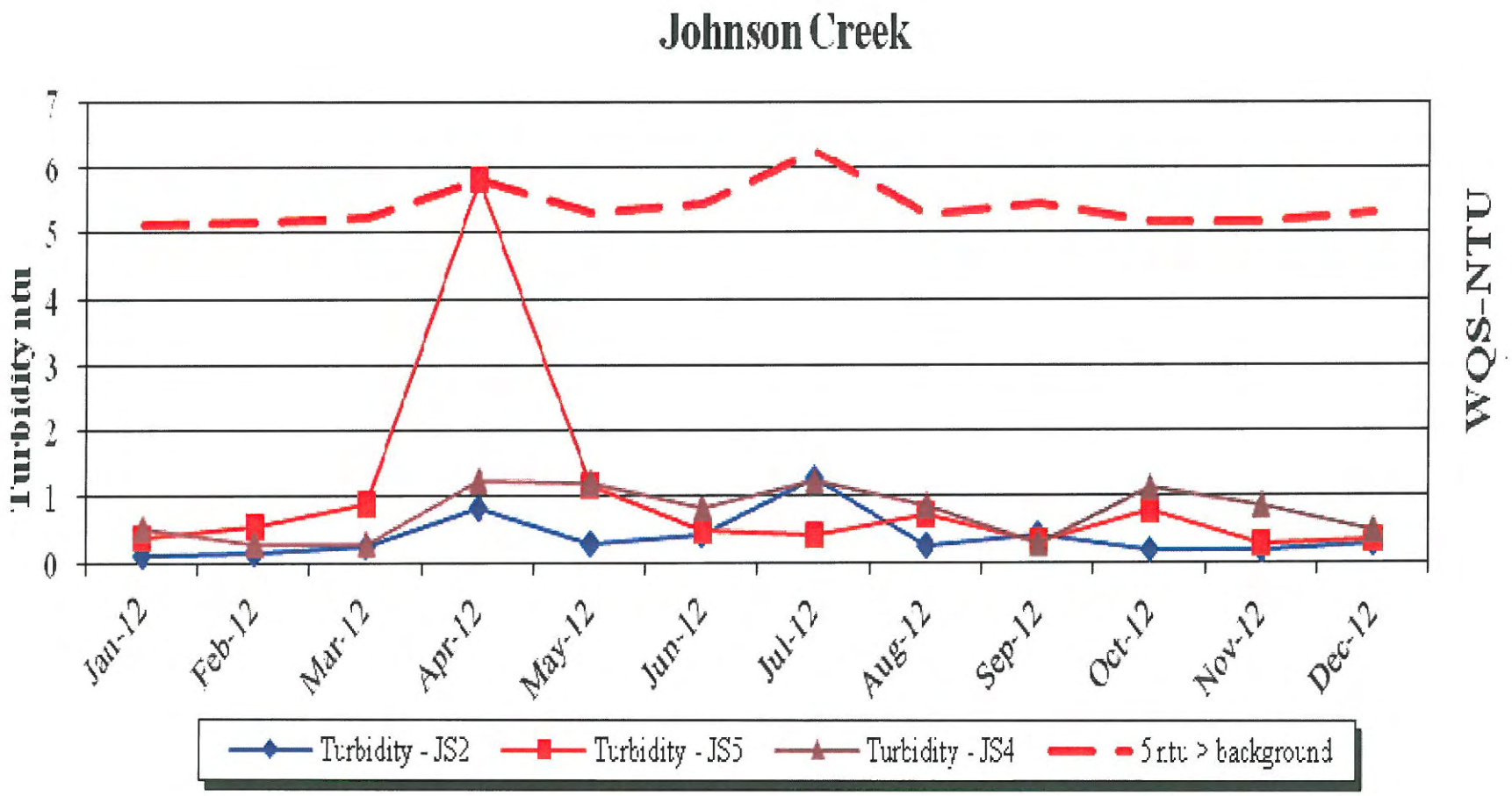

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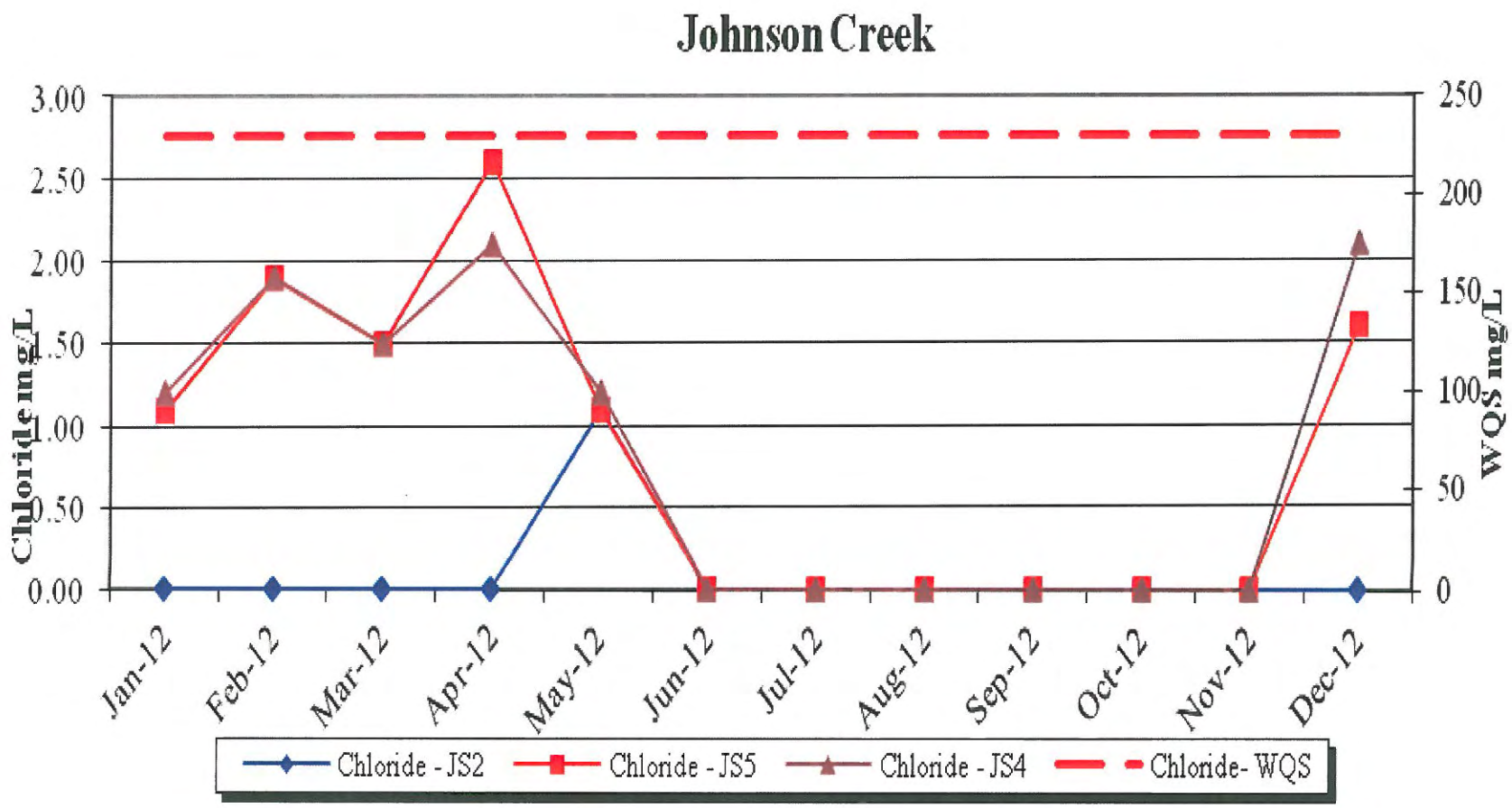

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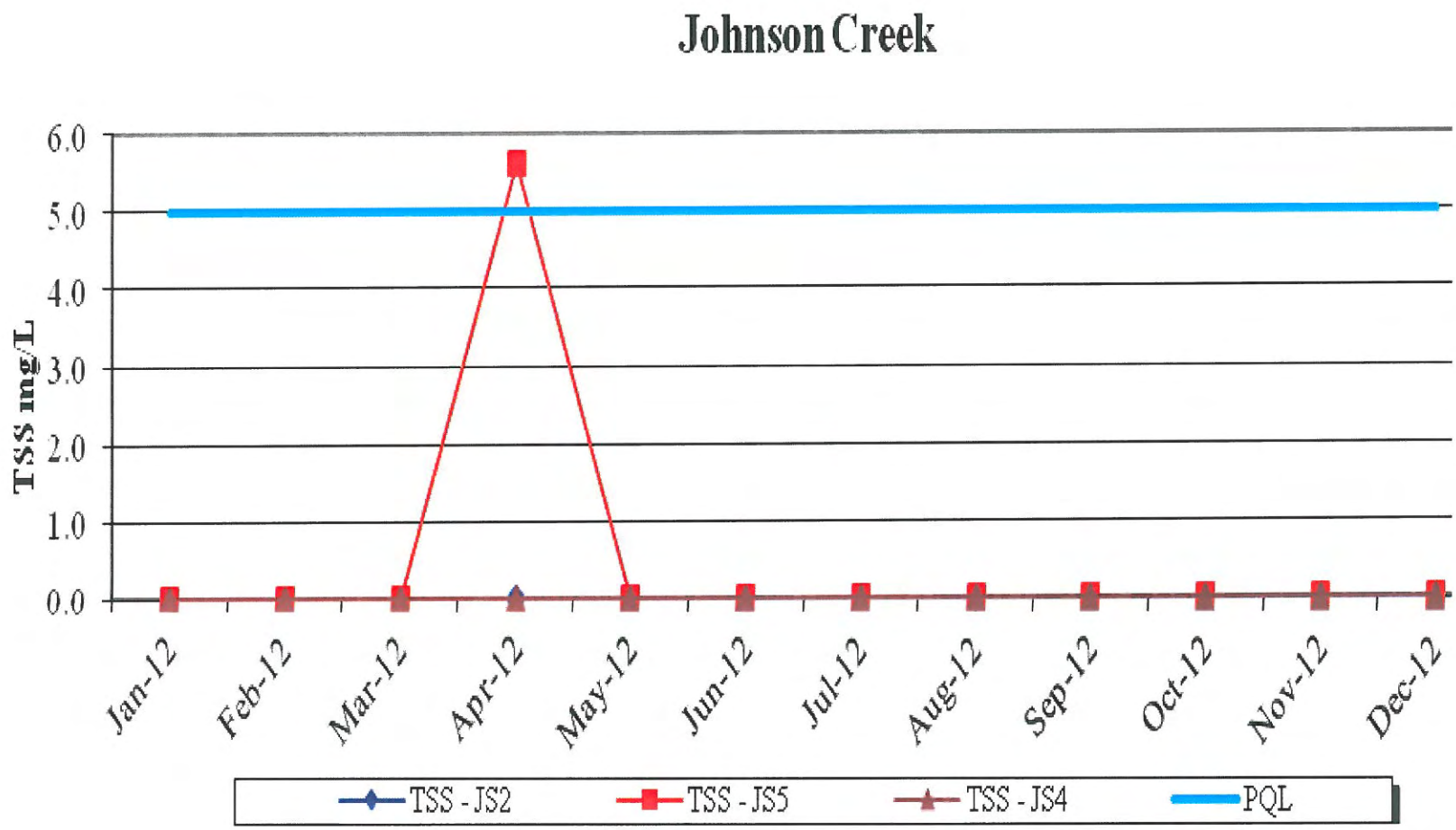
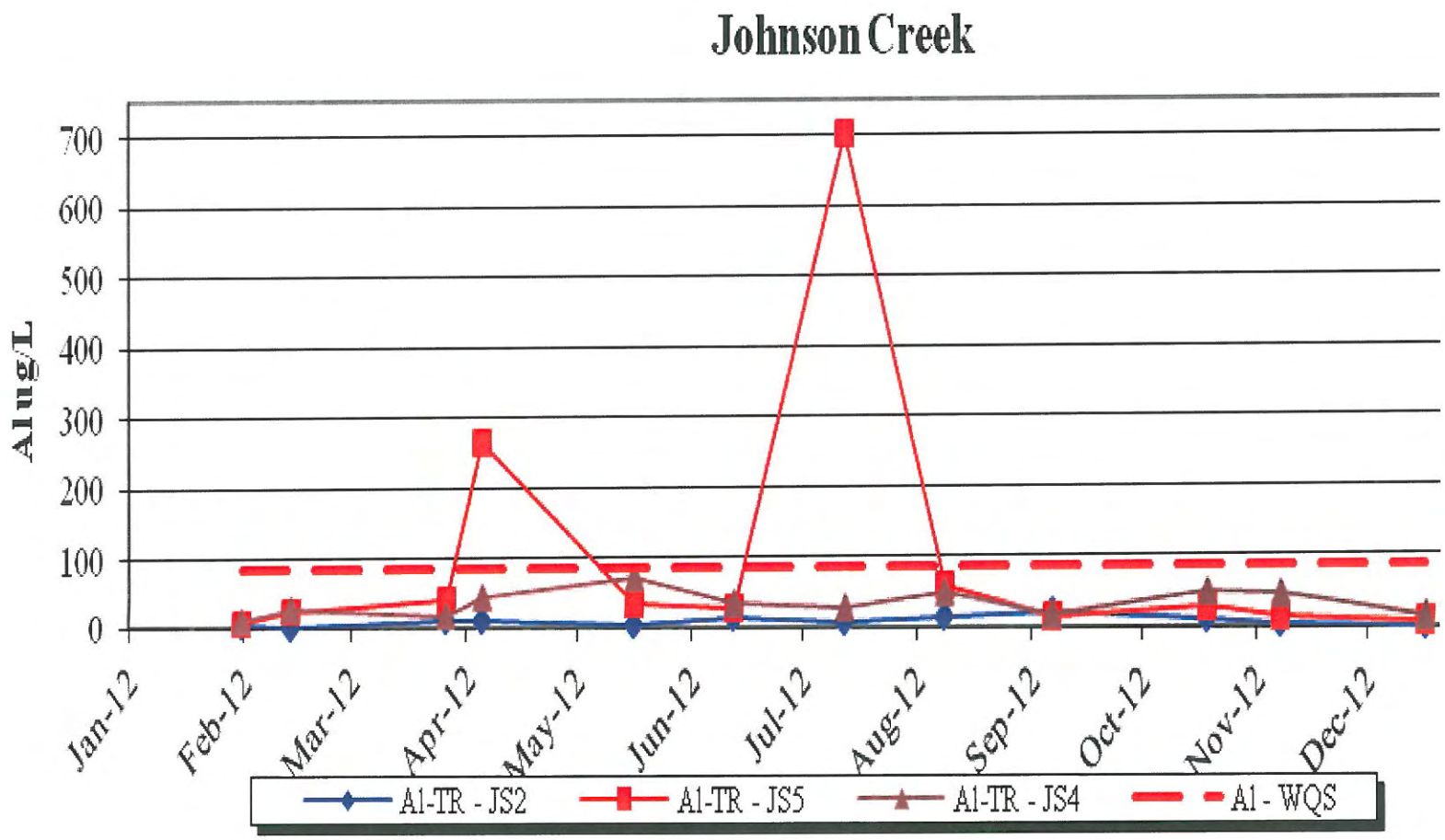


Figure 6c: Johnson Creek Monitoring Results 2012, Trace Chemistry



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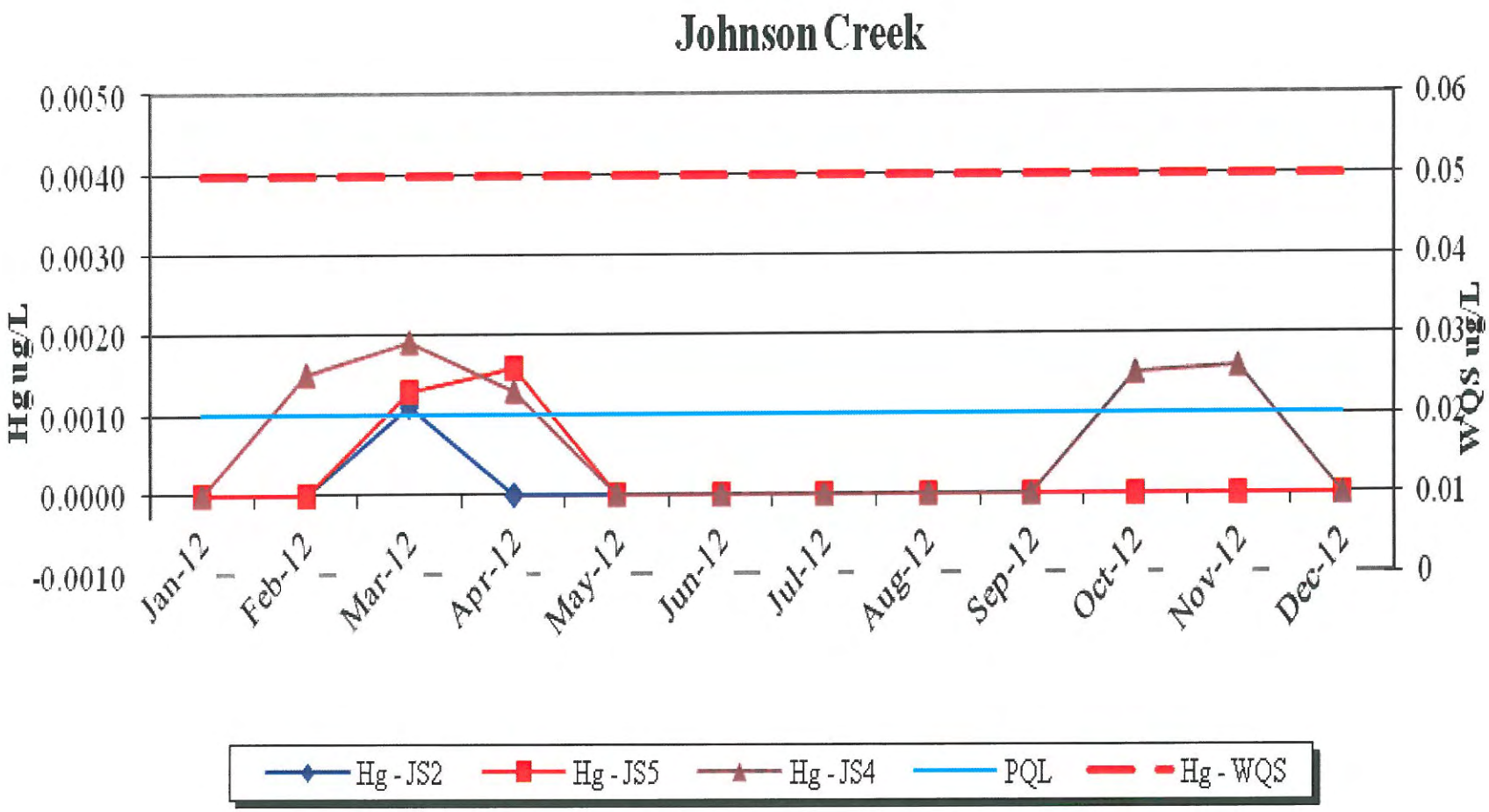

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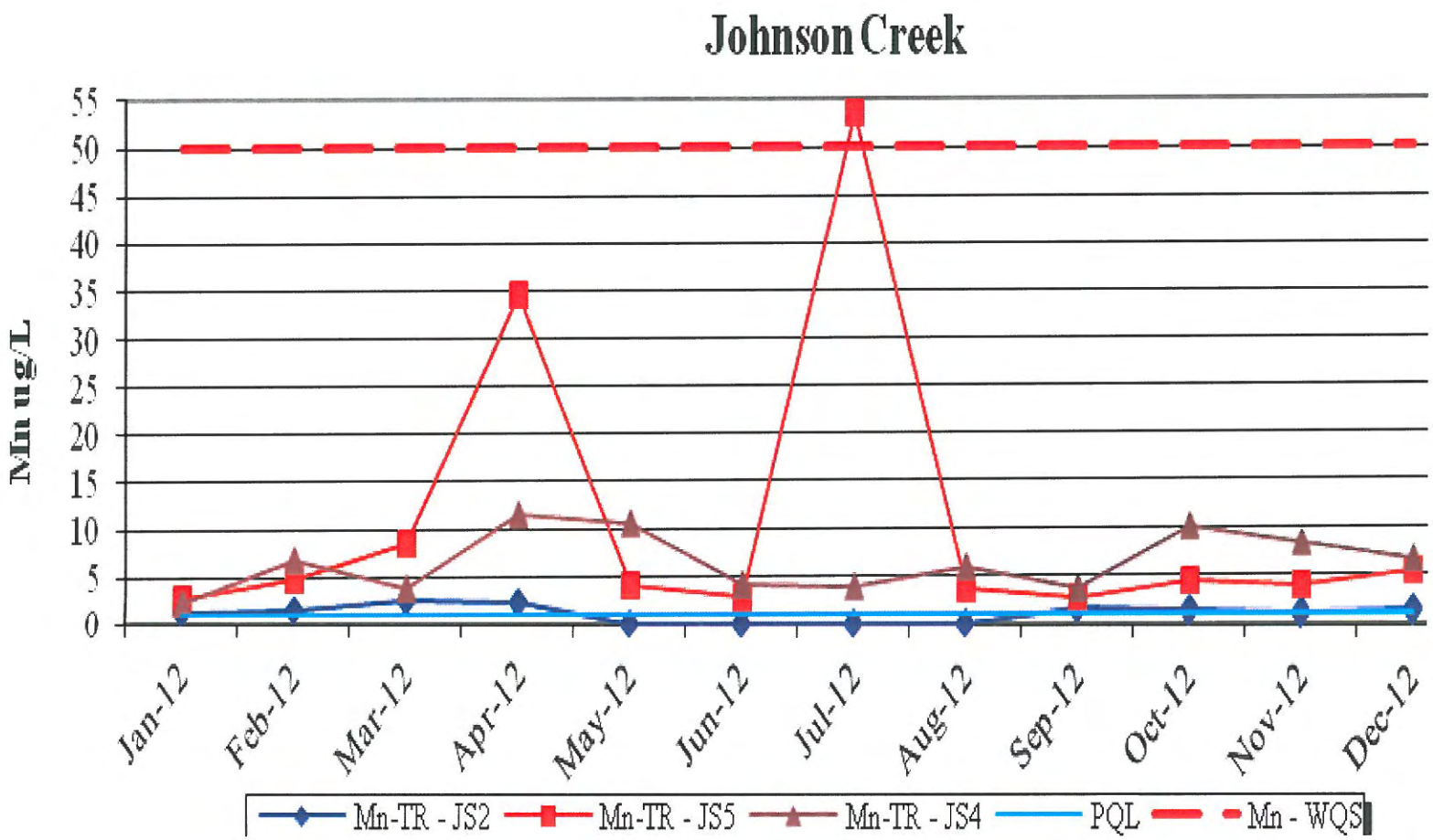

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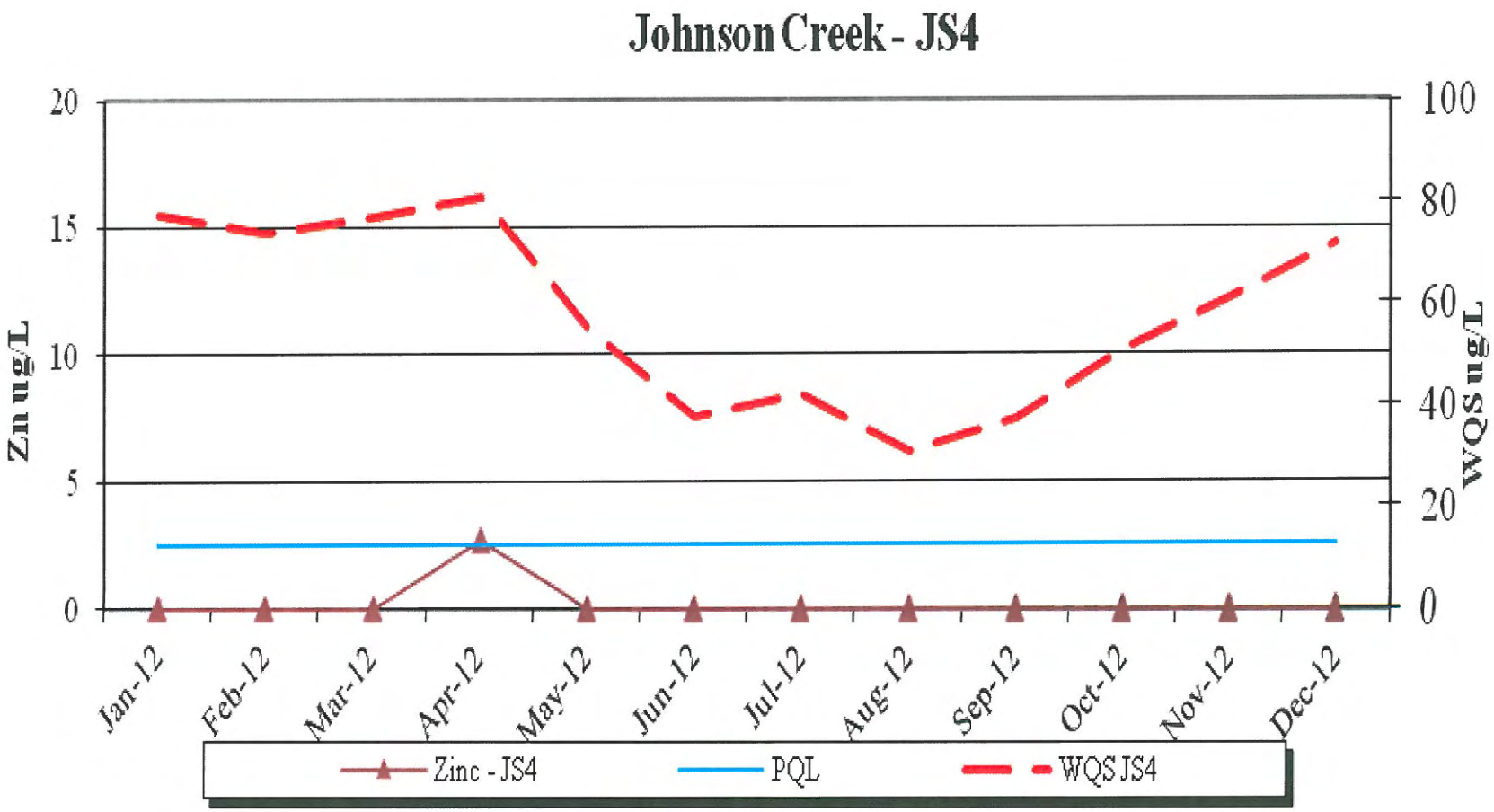

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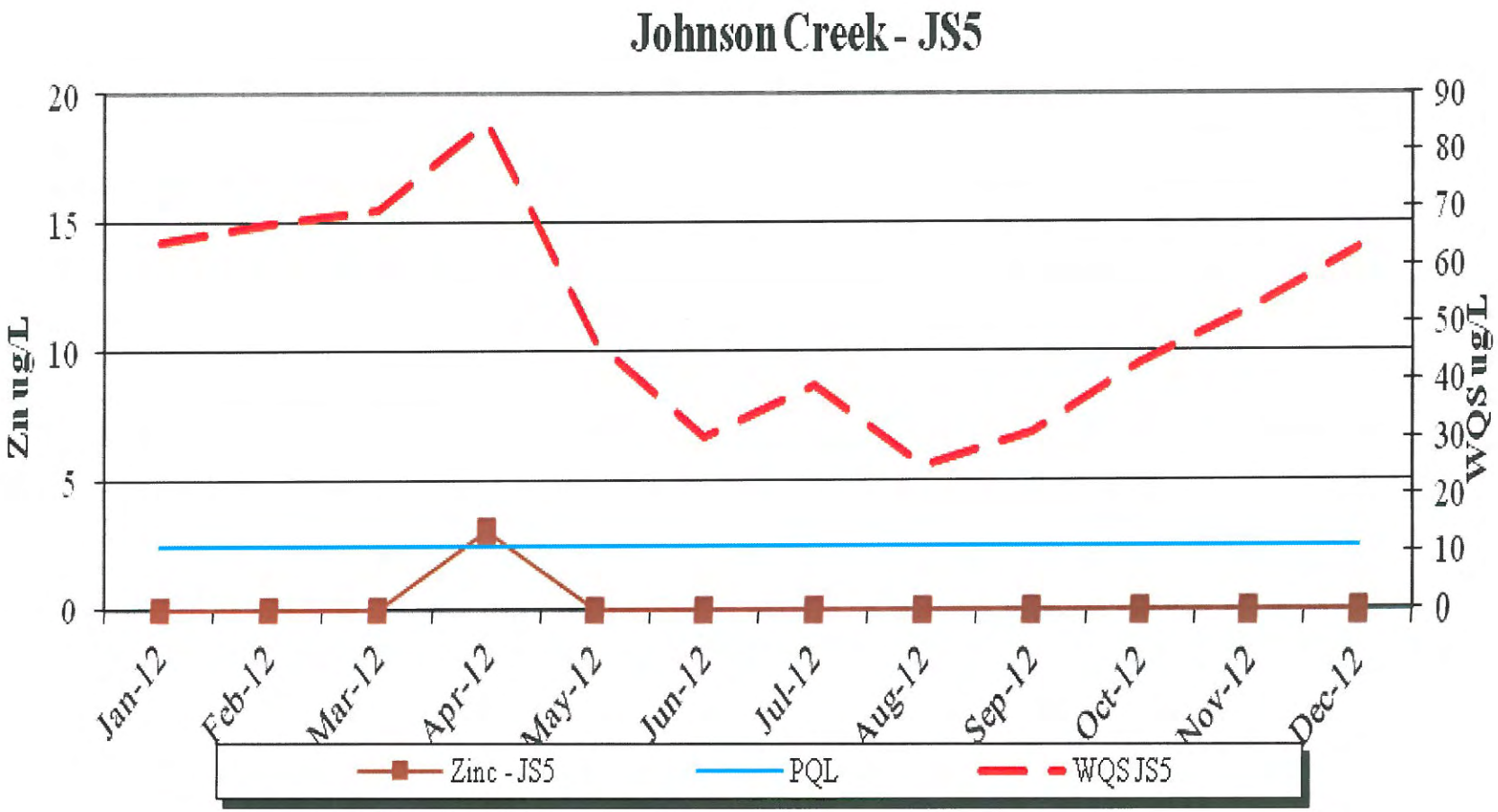

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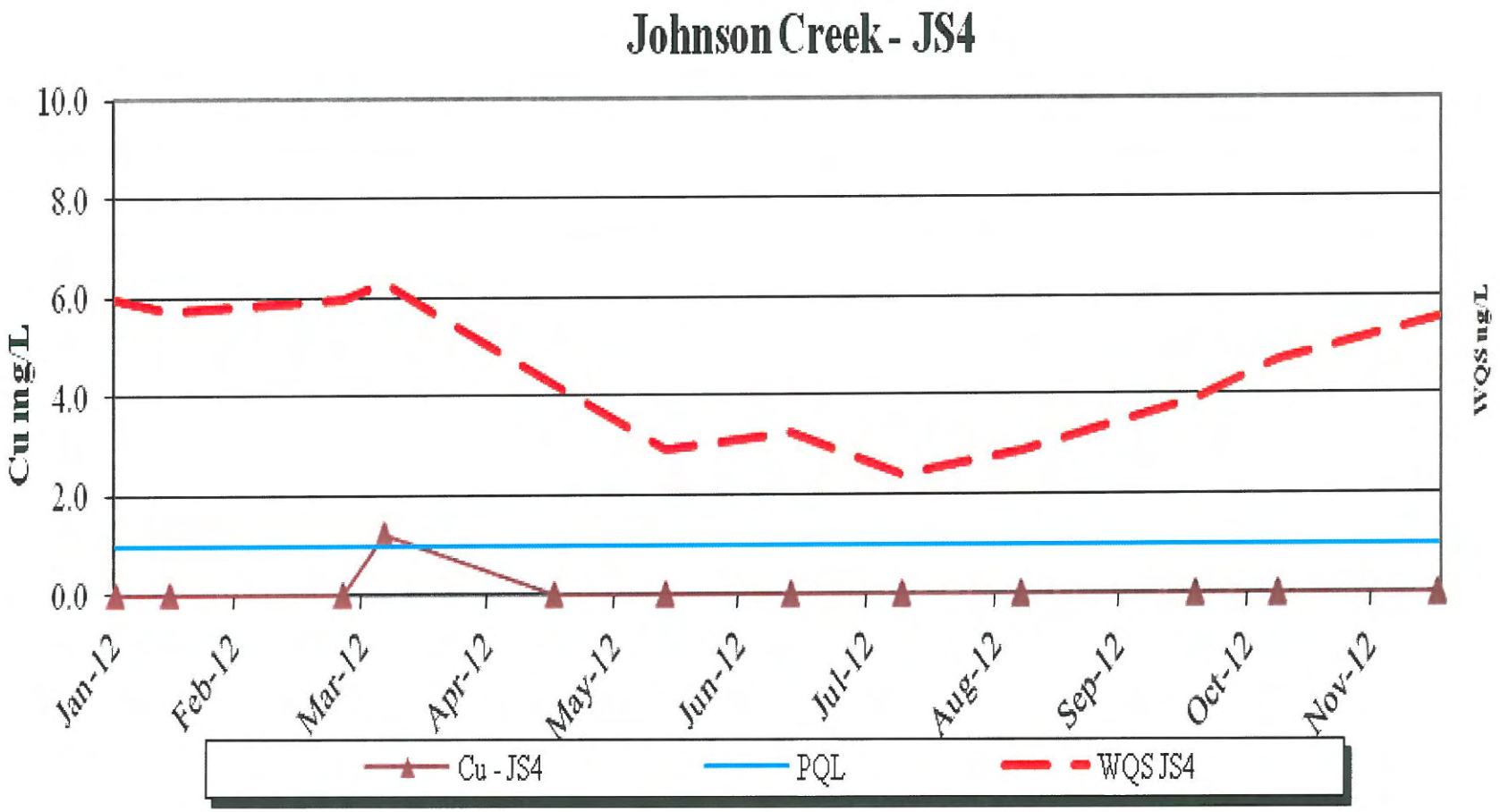

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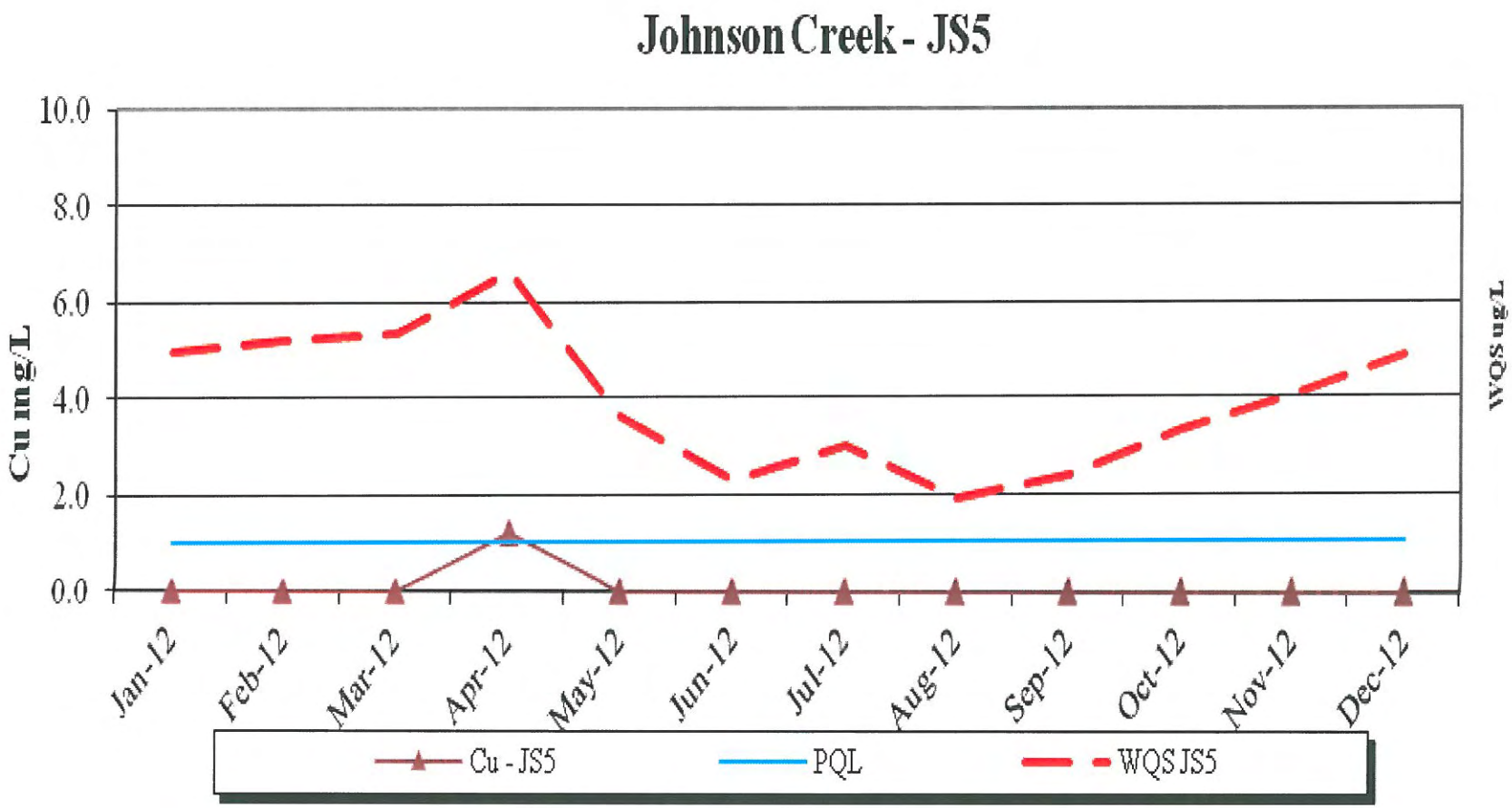

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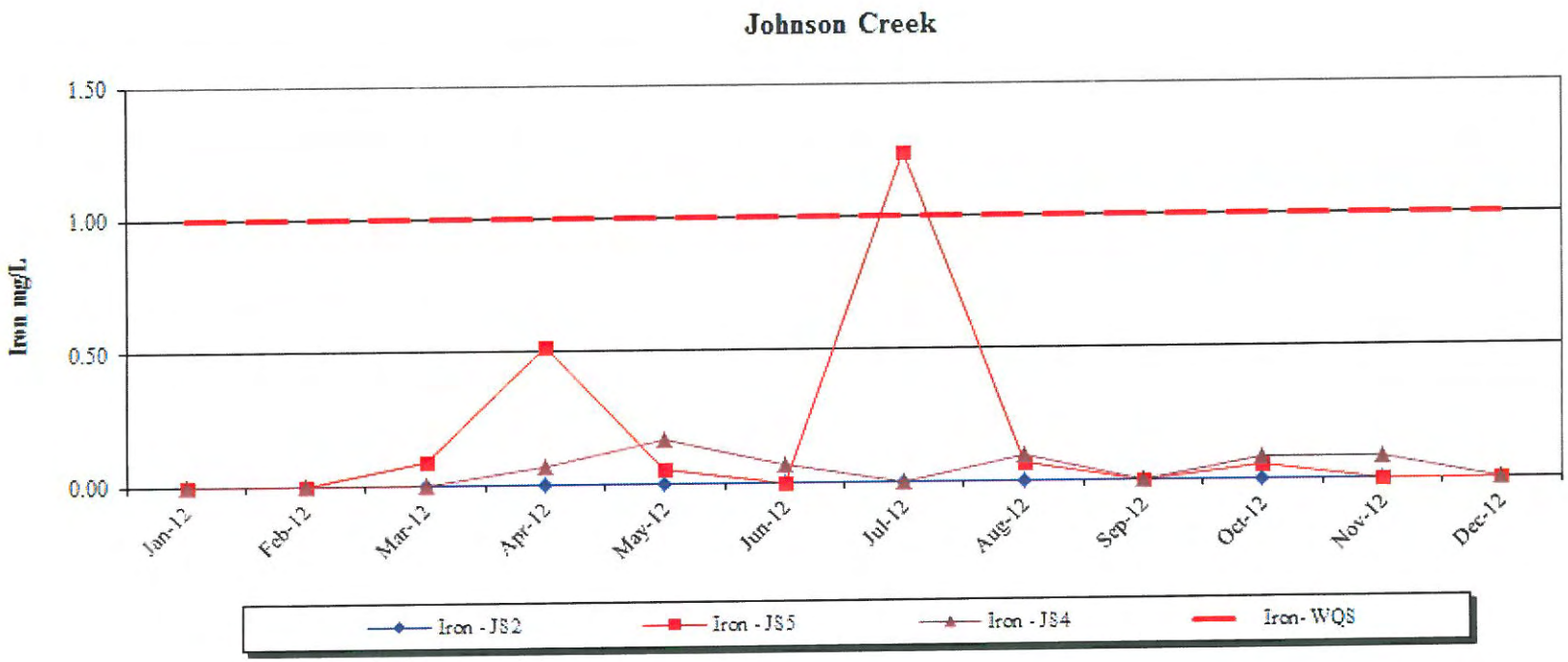
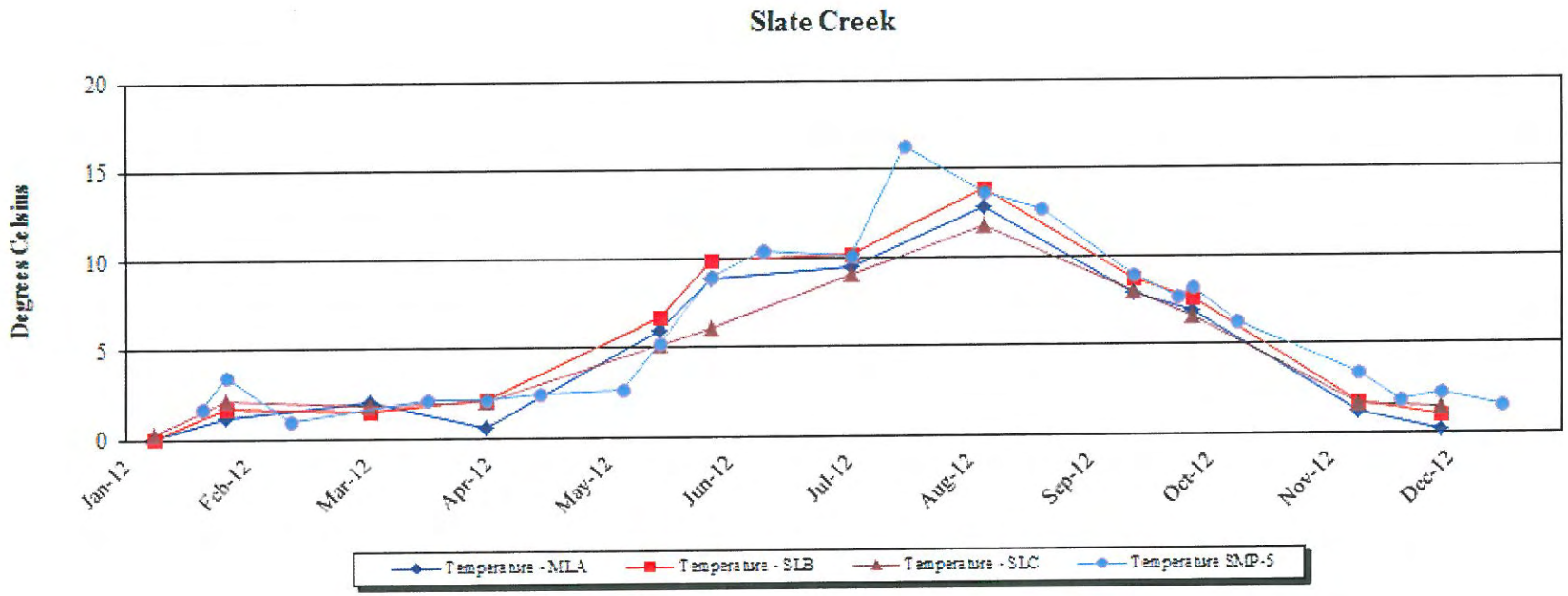


Figure 7a: Slate Creek Monitoring Results 2012, Field Parameters



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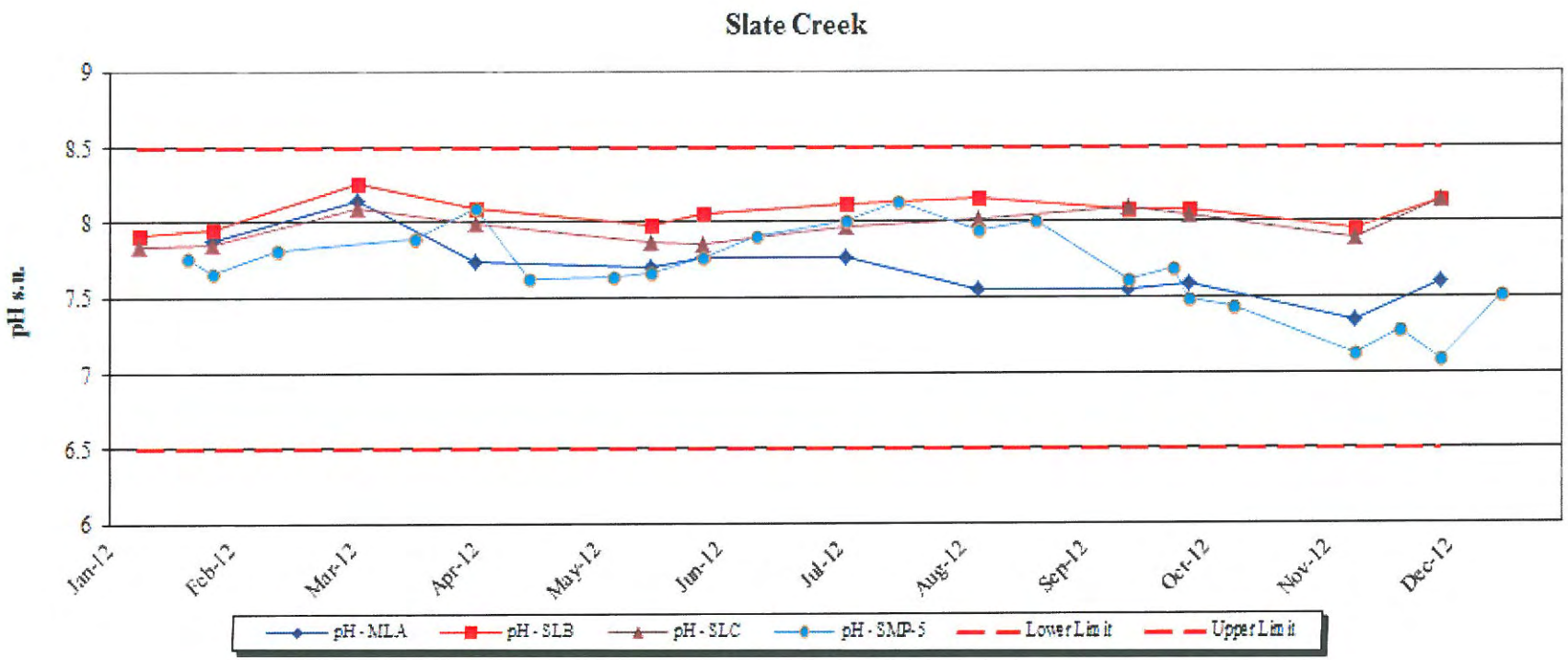

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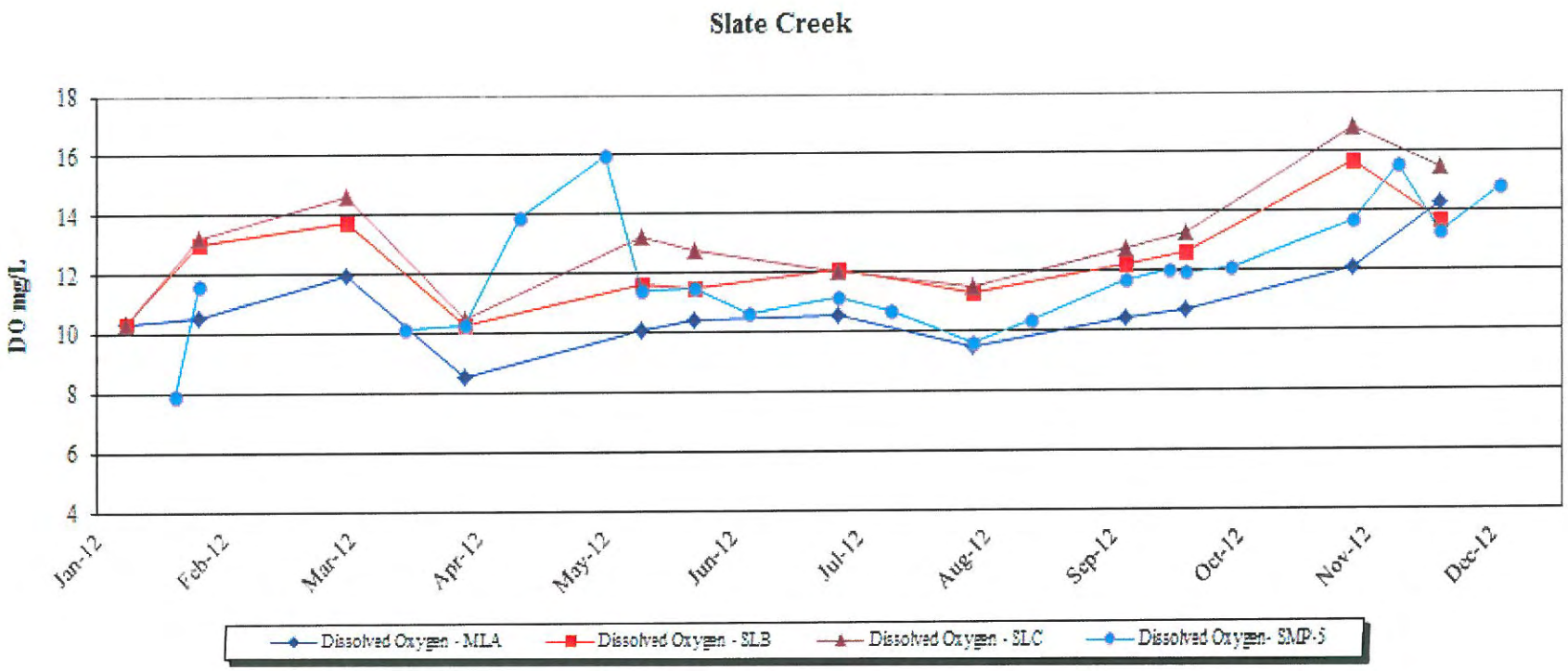

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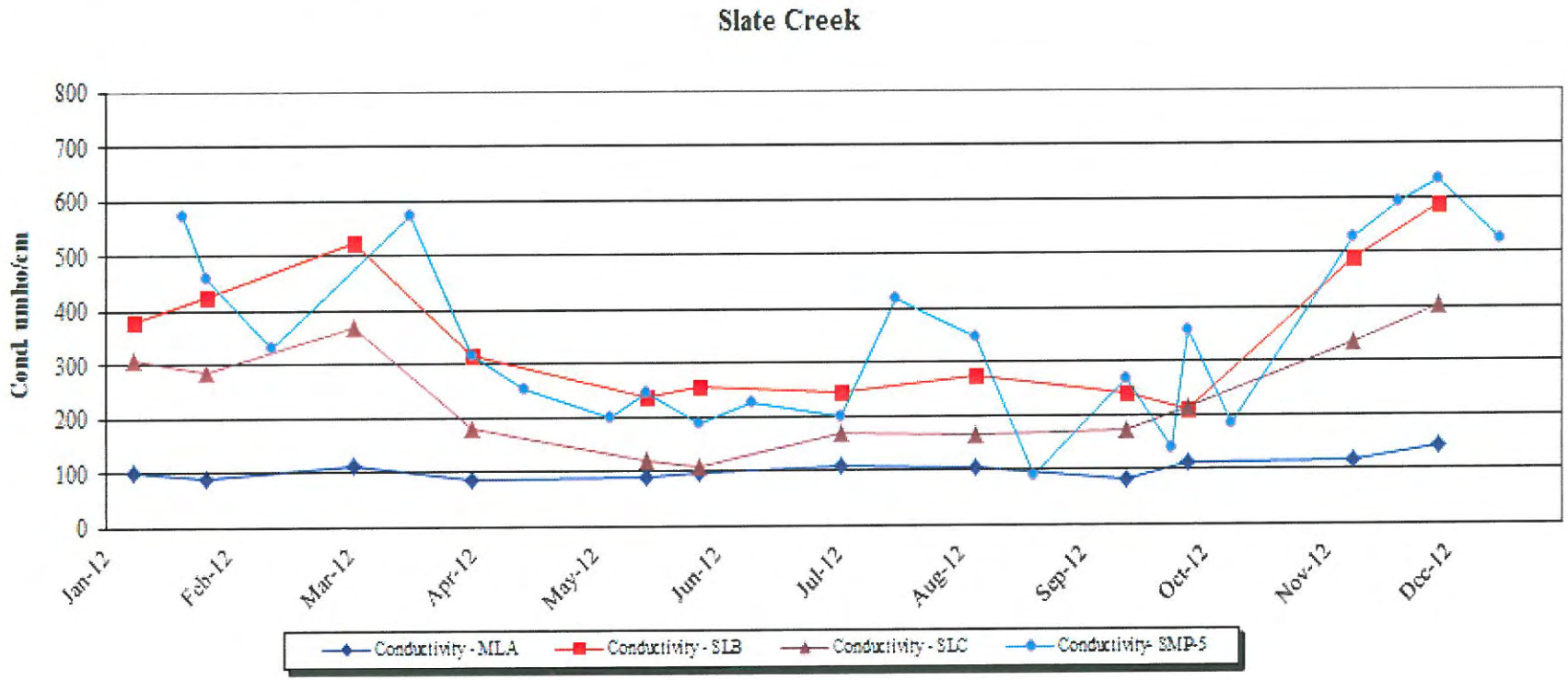
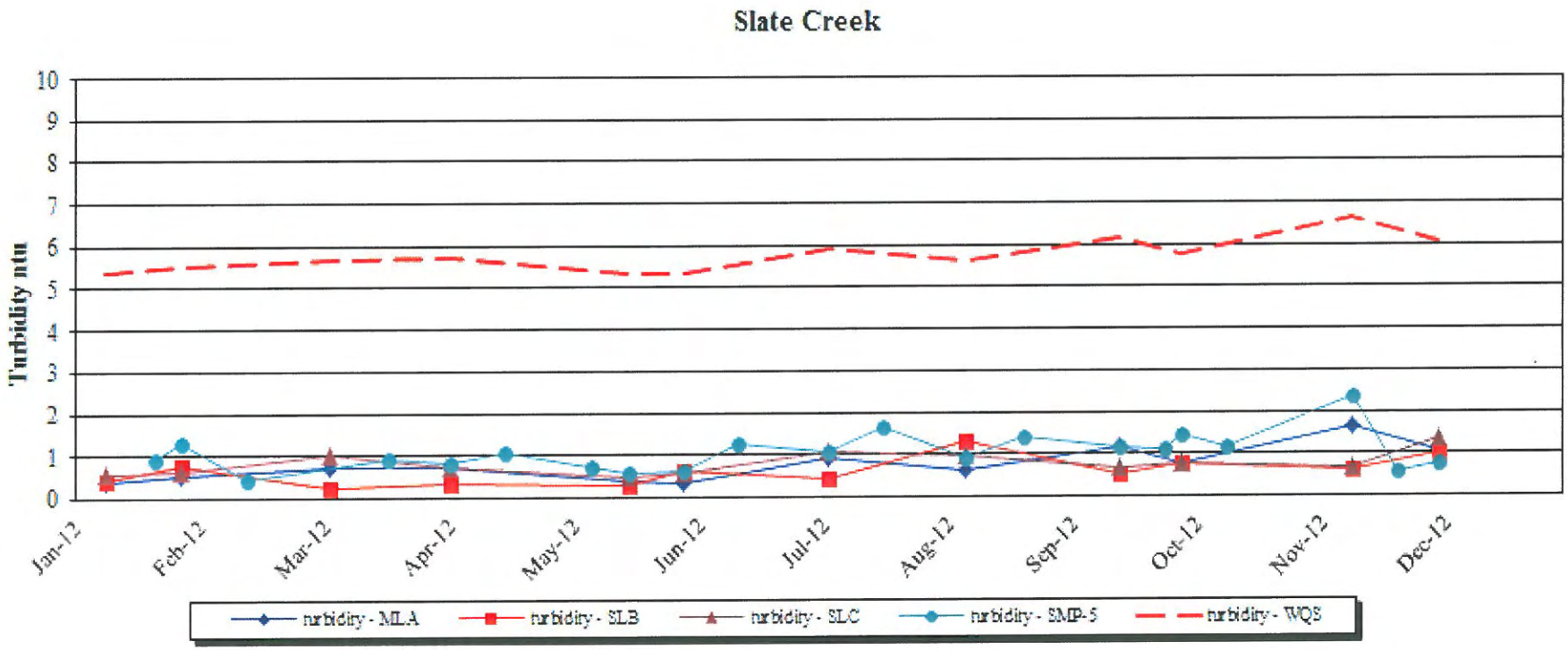


Figure 7b: Slate Creek Monitoring Results 2012, Major Chemistry



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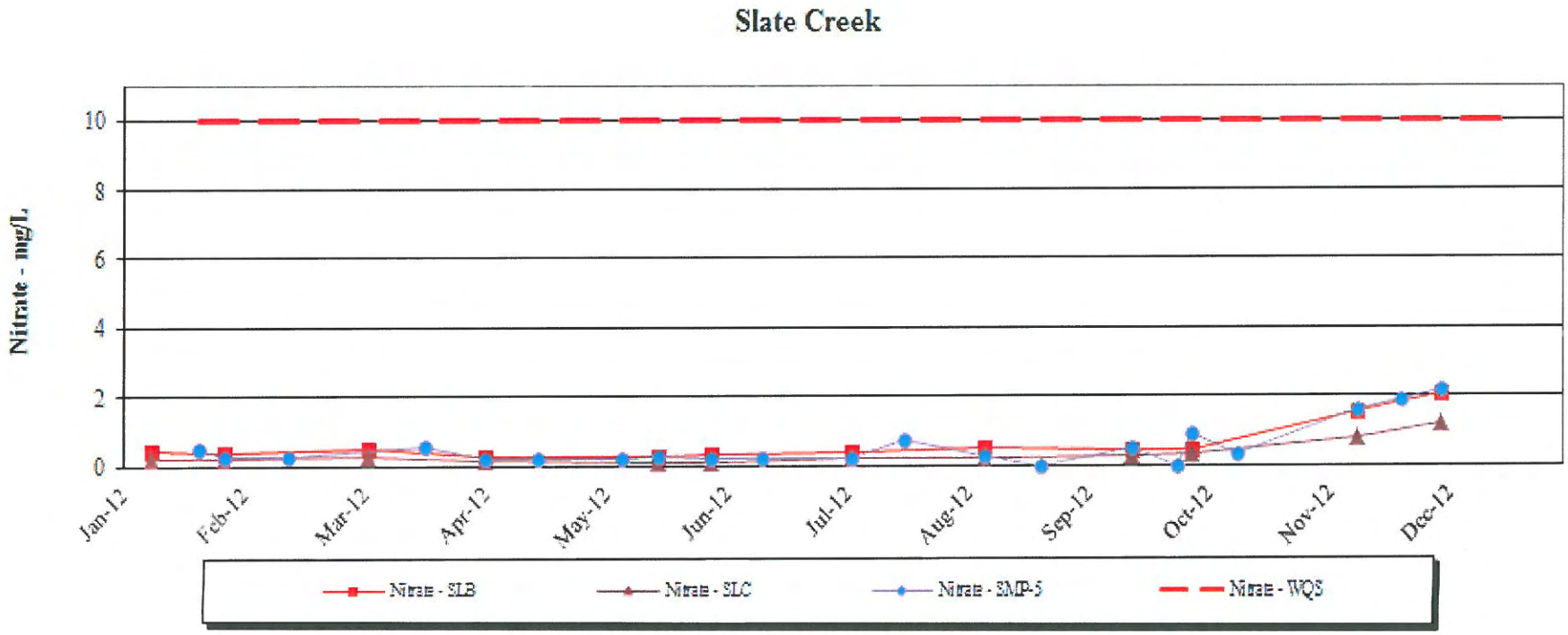

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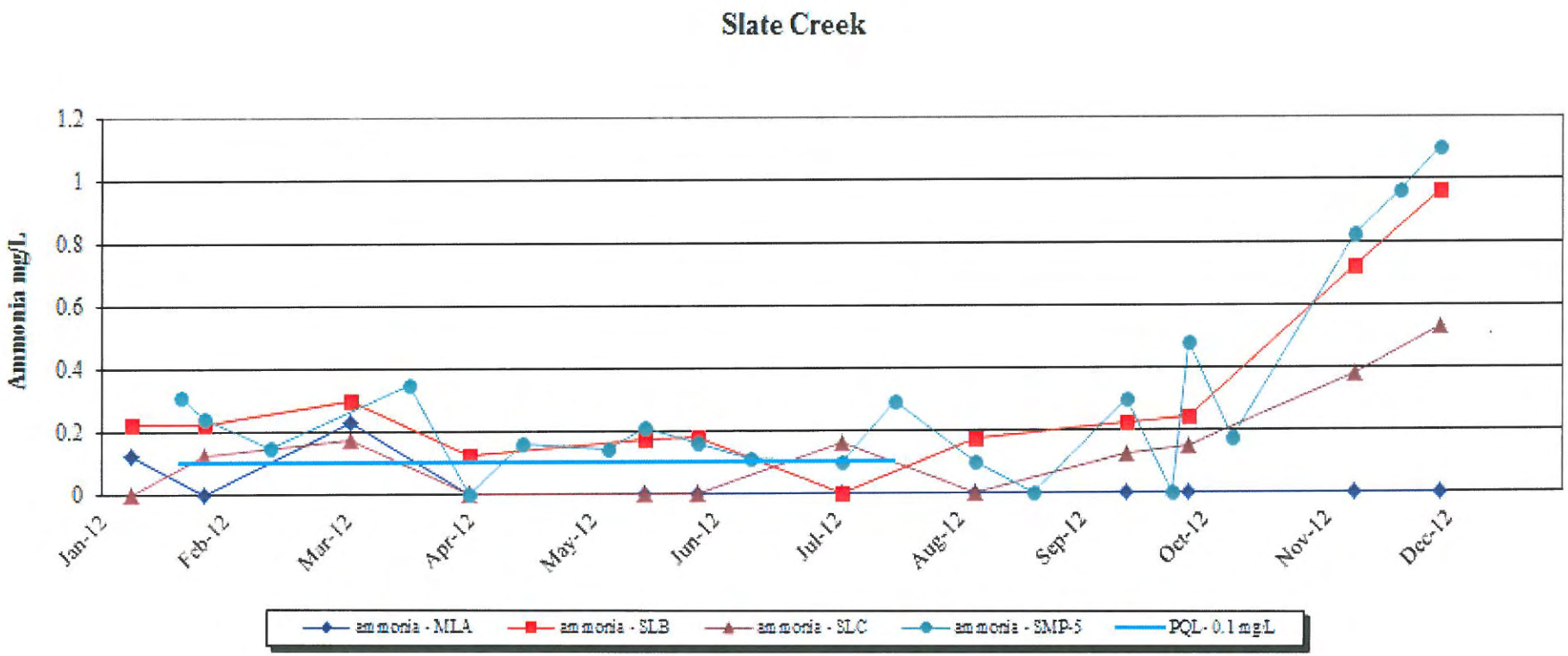

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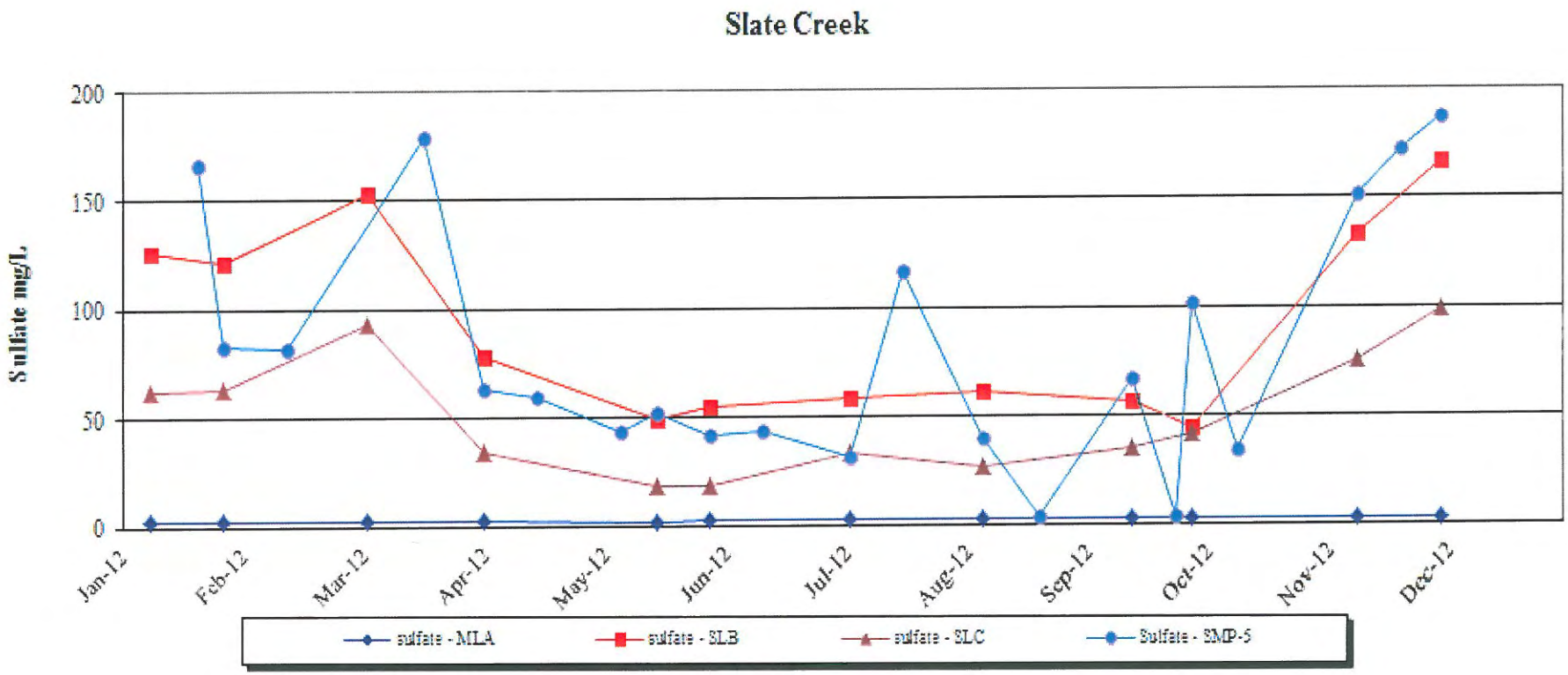

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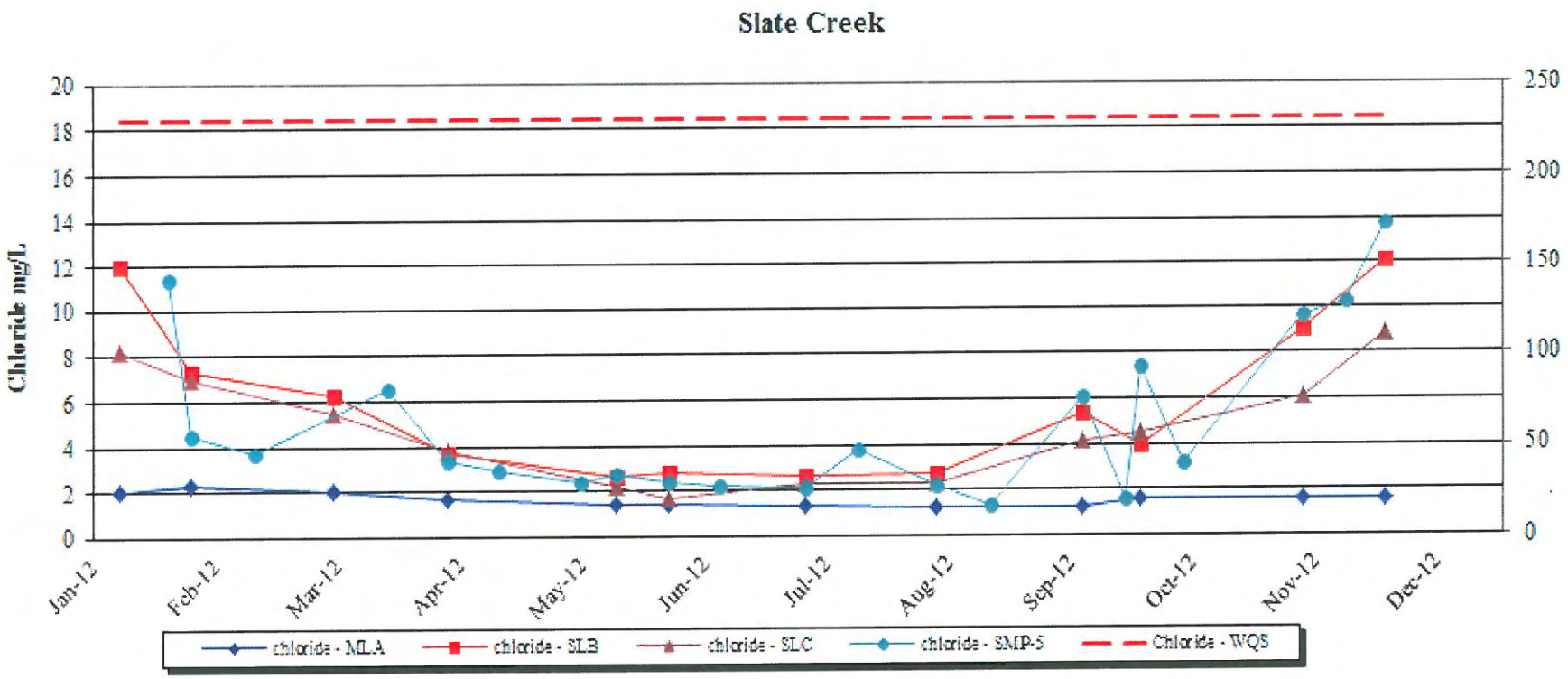

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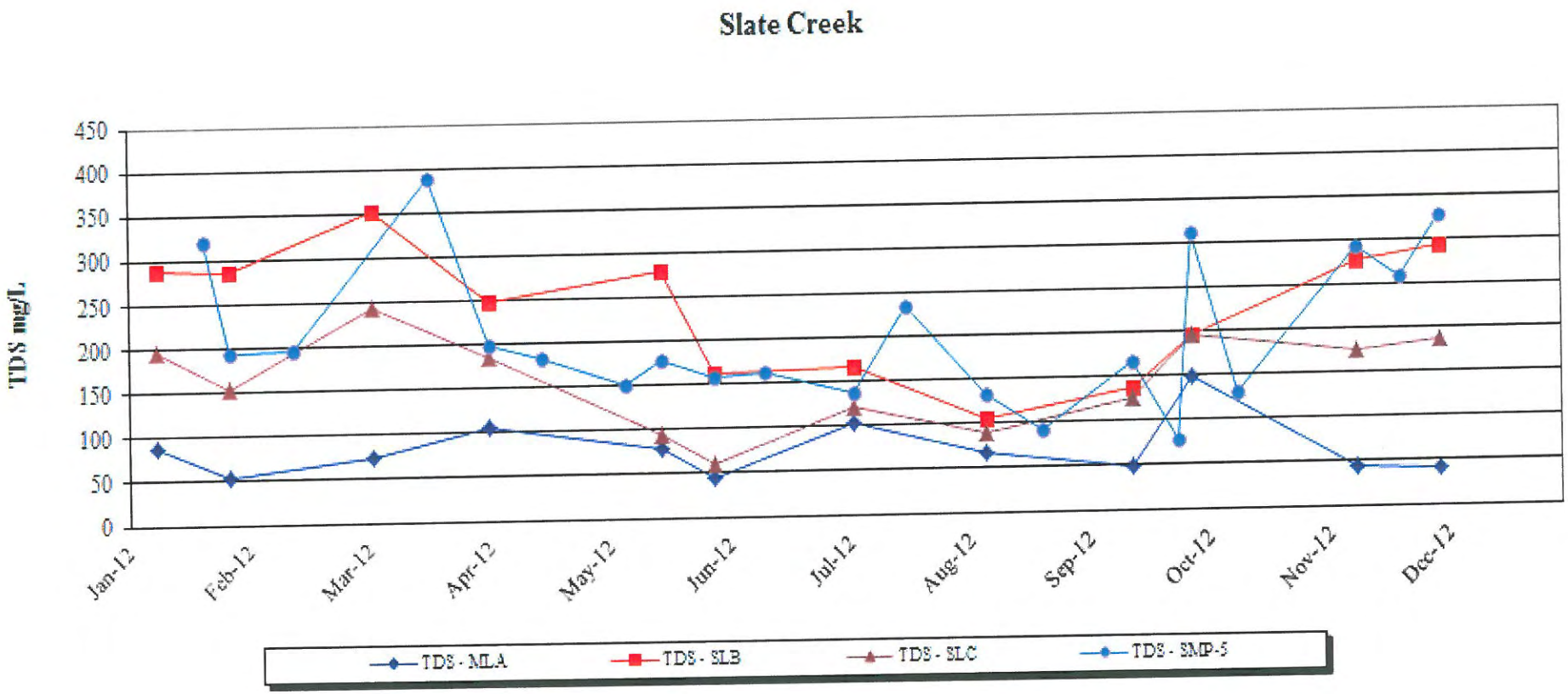

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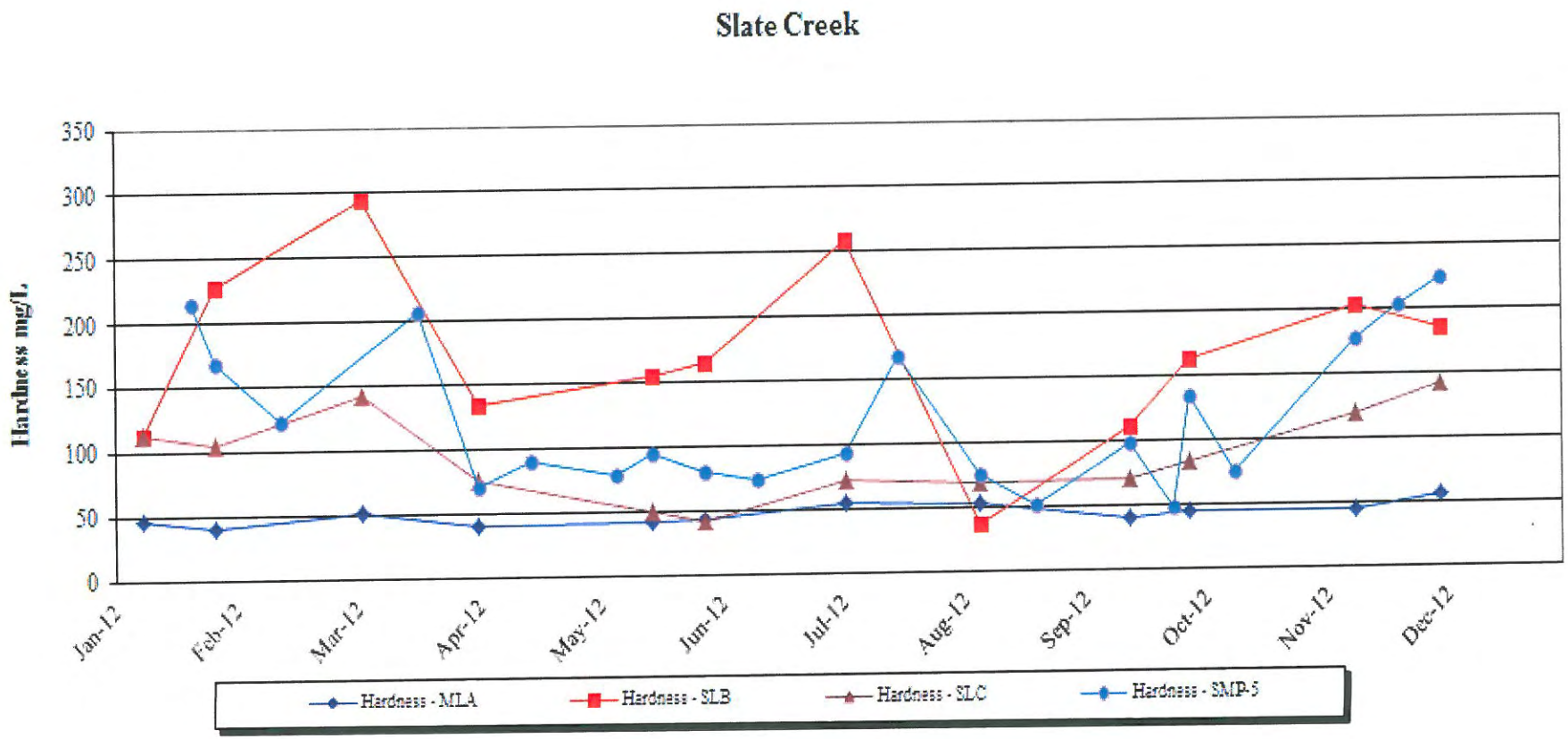

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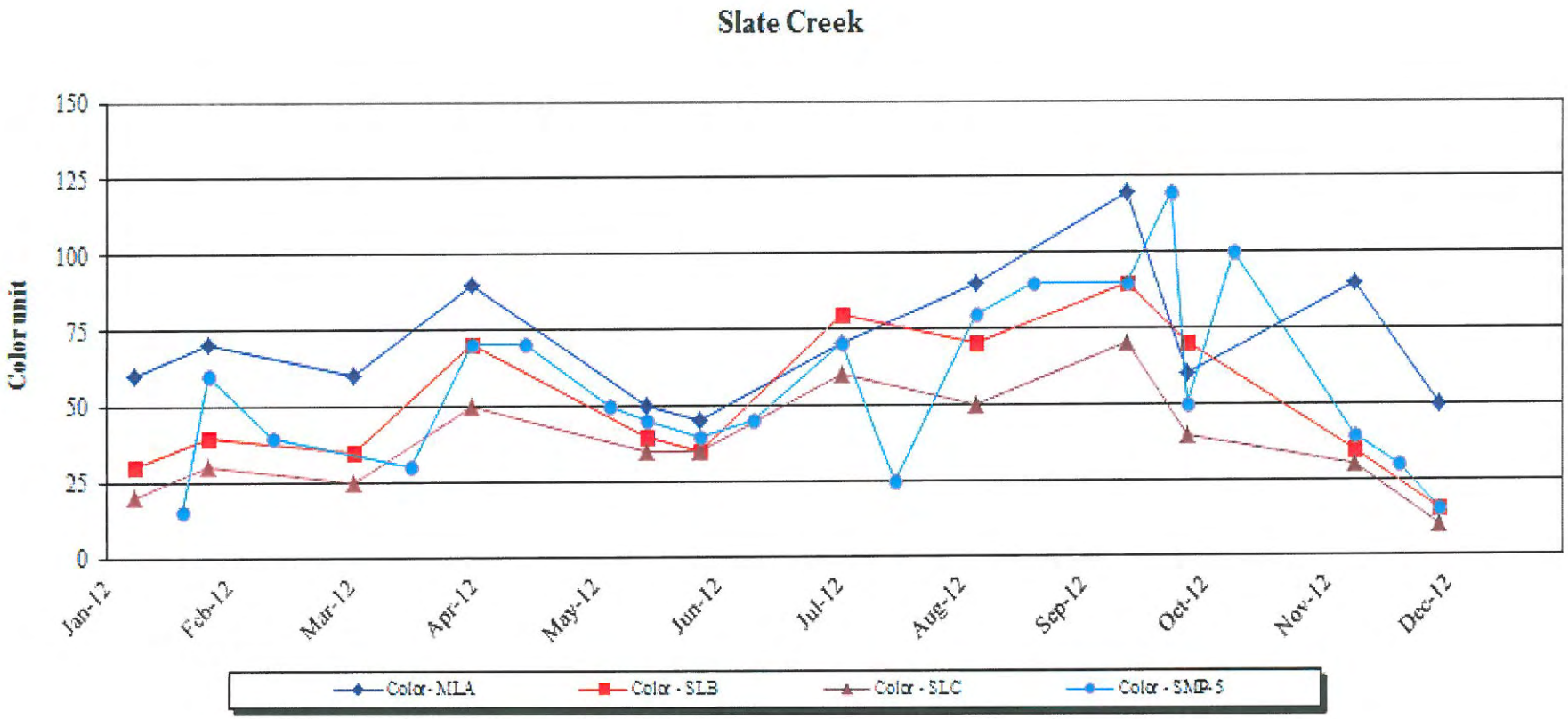
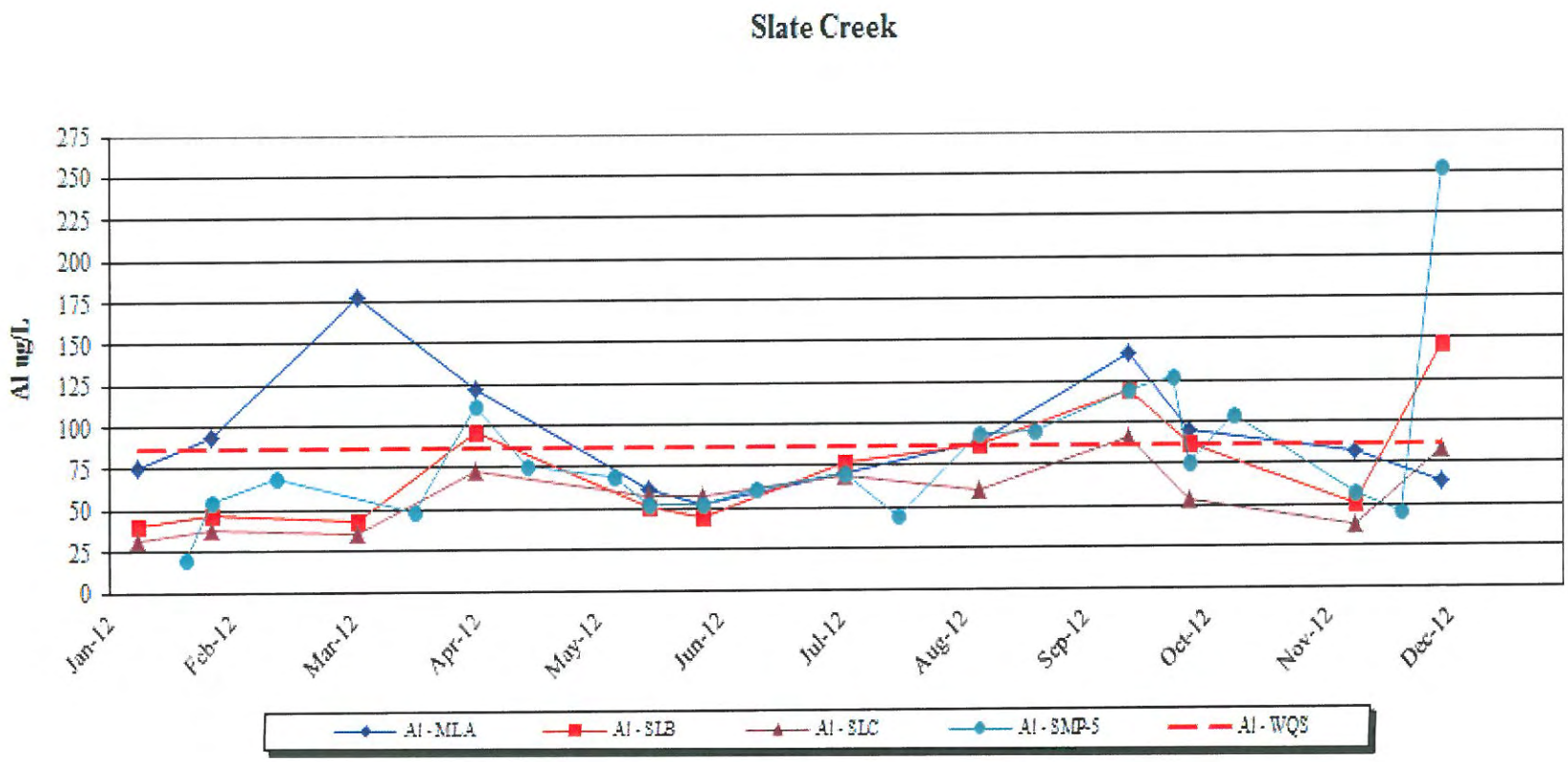


Figure 7c: Slate Creek Monitoring Results 2012, Trace Chemistry



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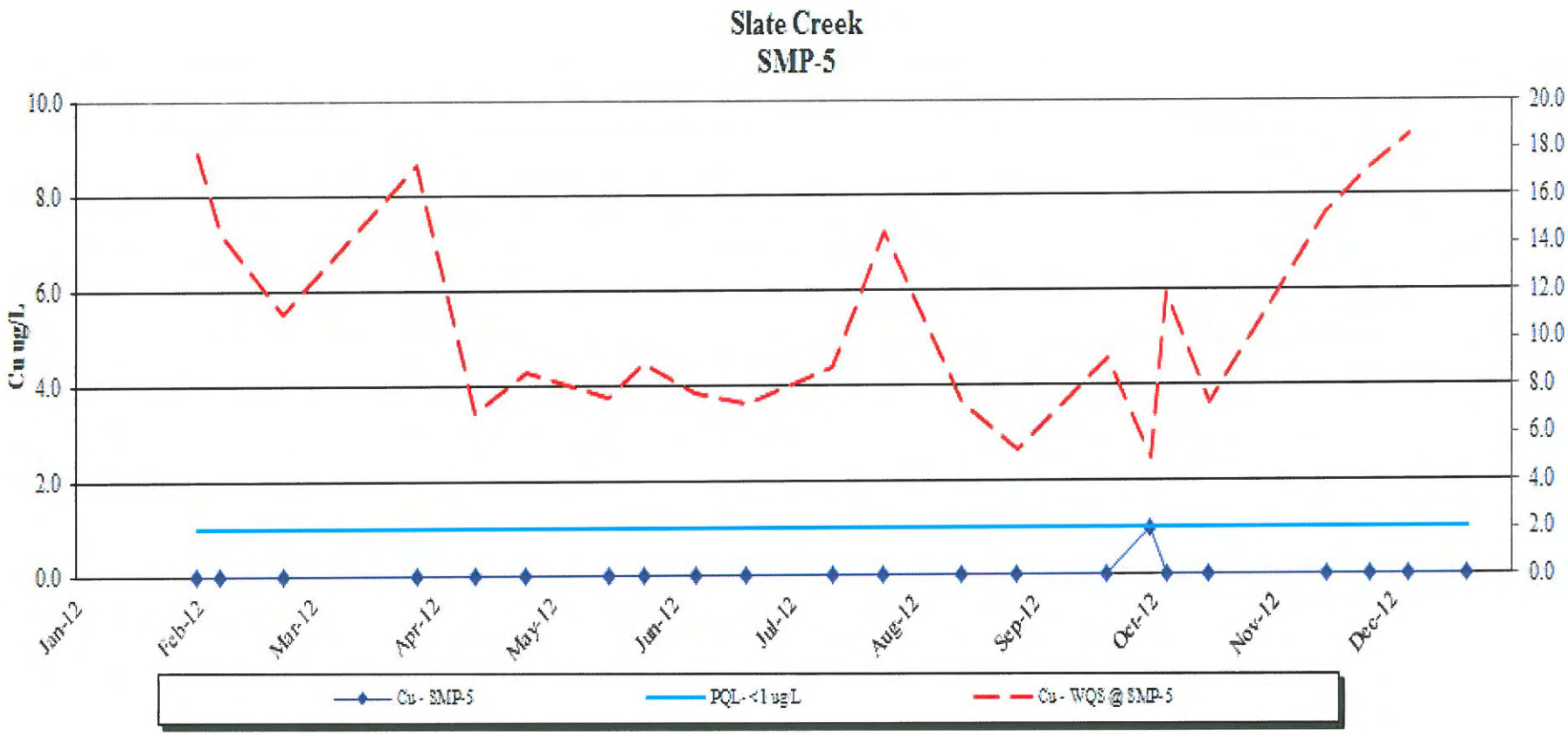

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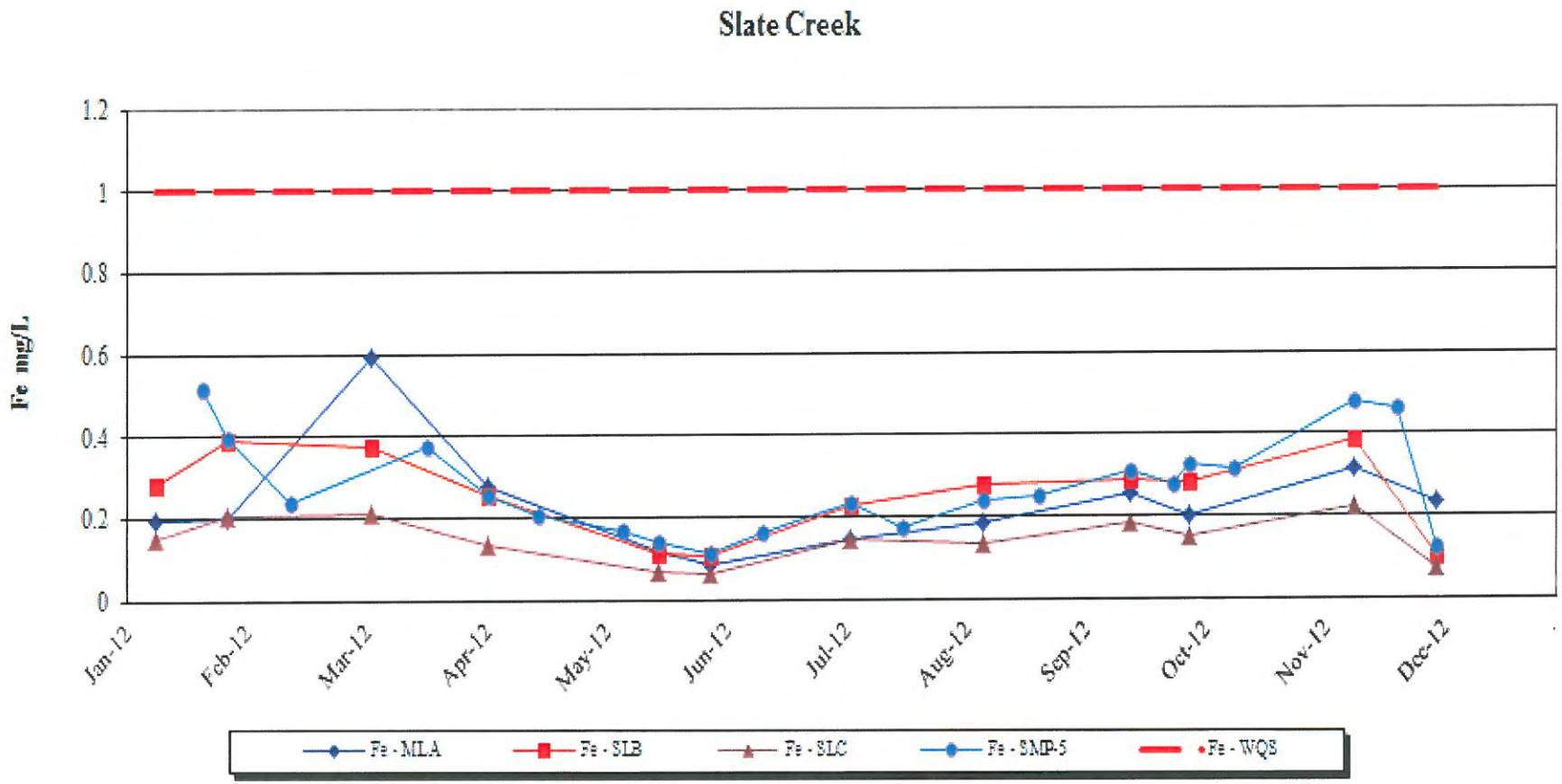

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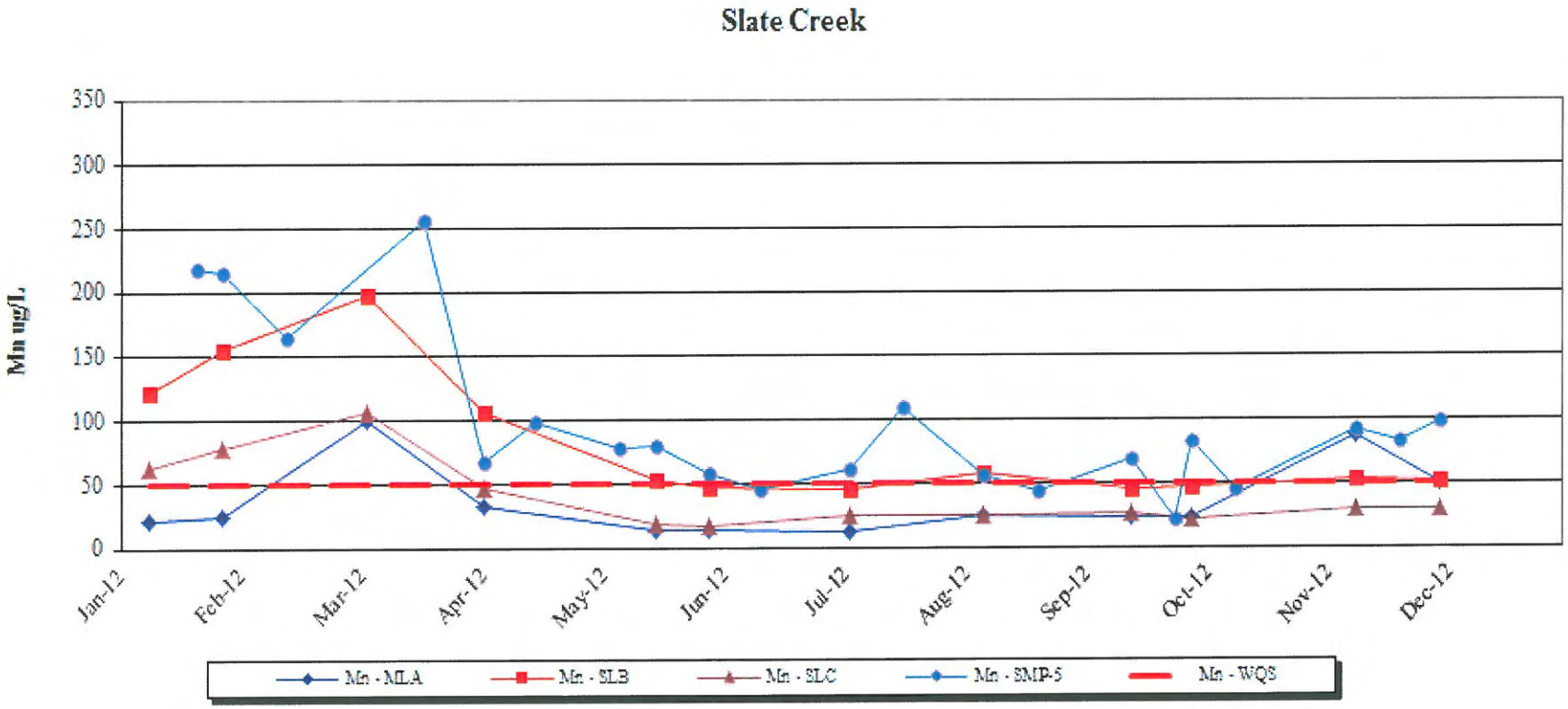

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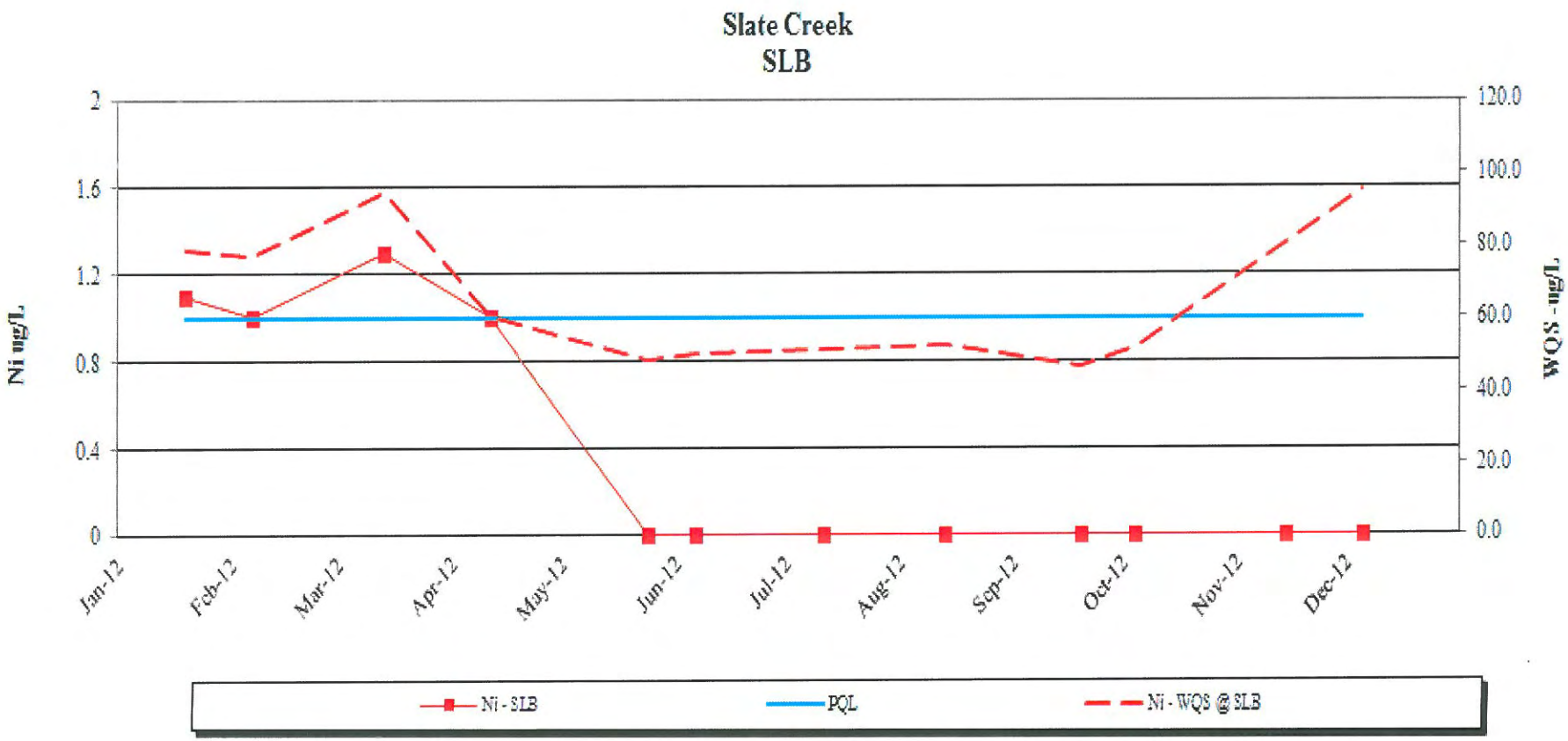

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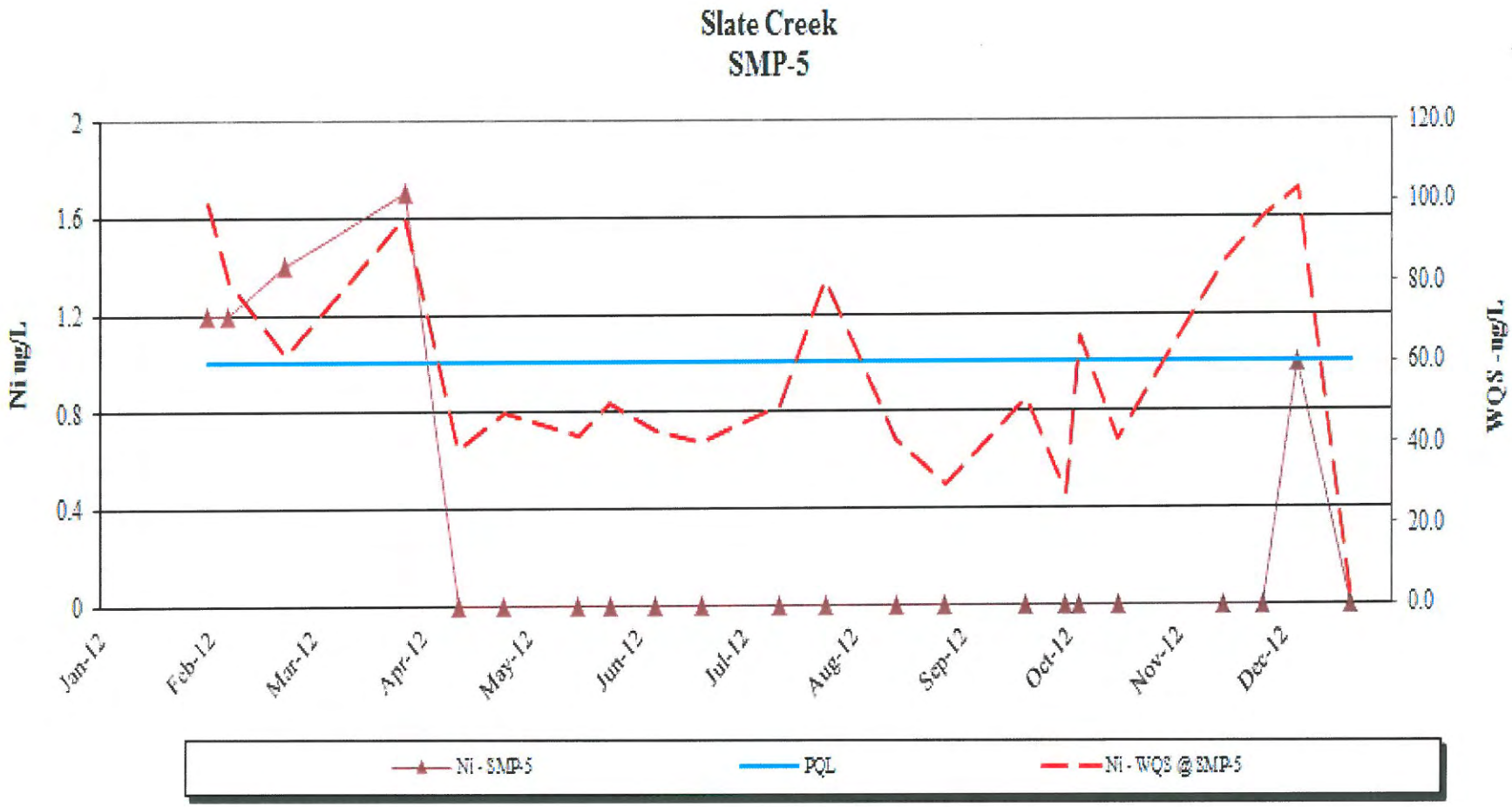

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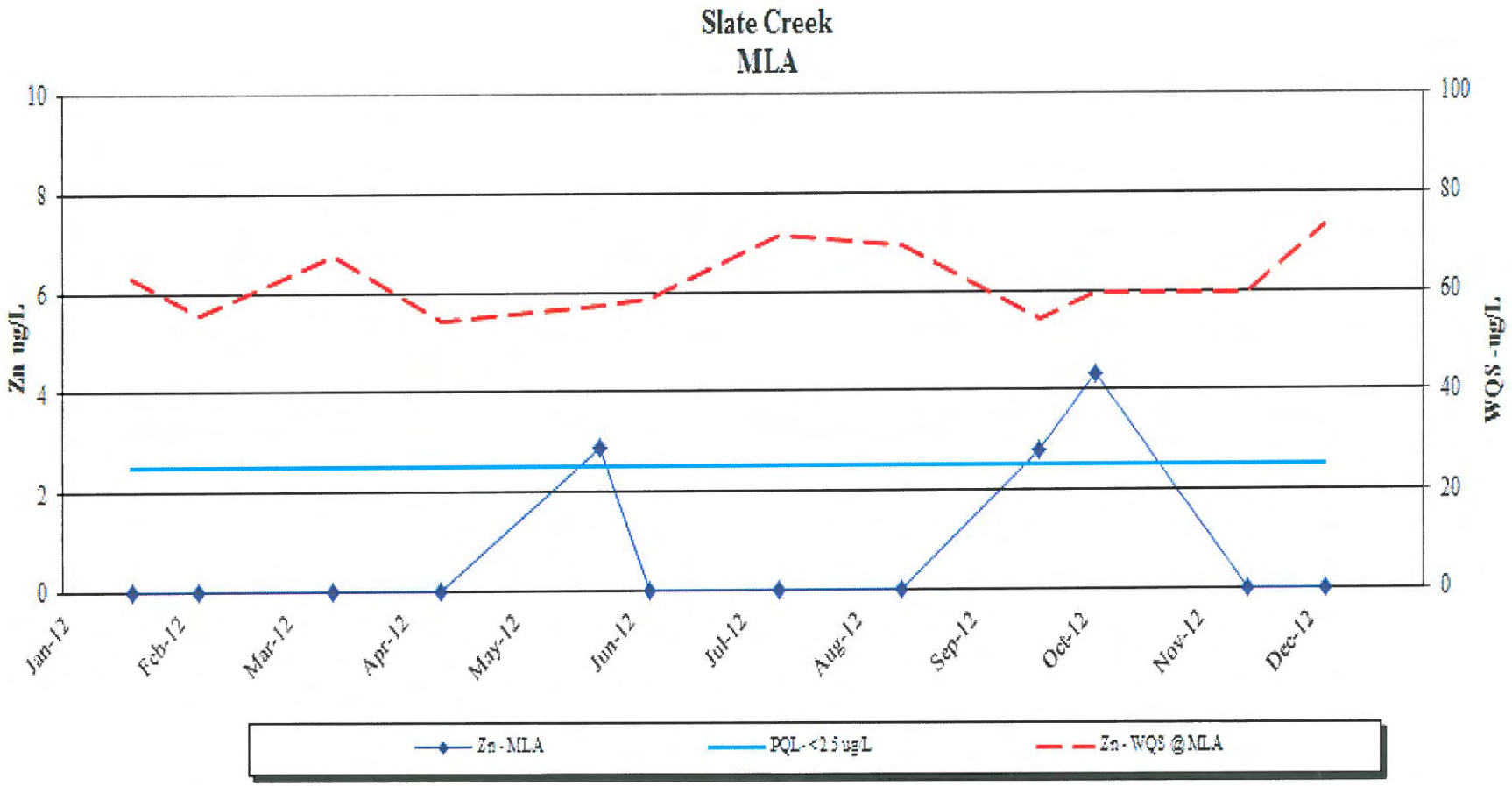

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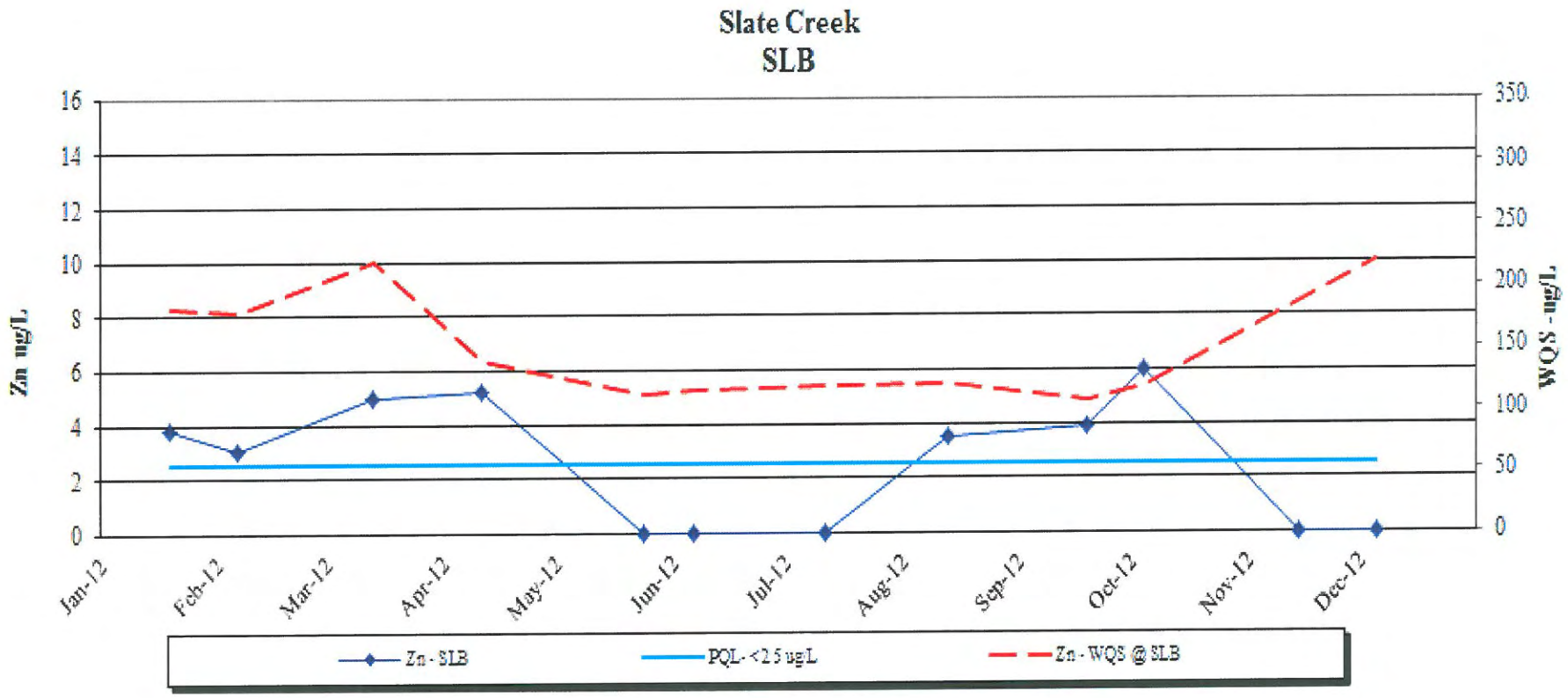


Figure 7c: Slate Creek Monitoring Results 2012, Trace Chemistry

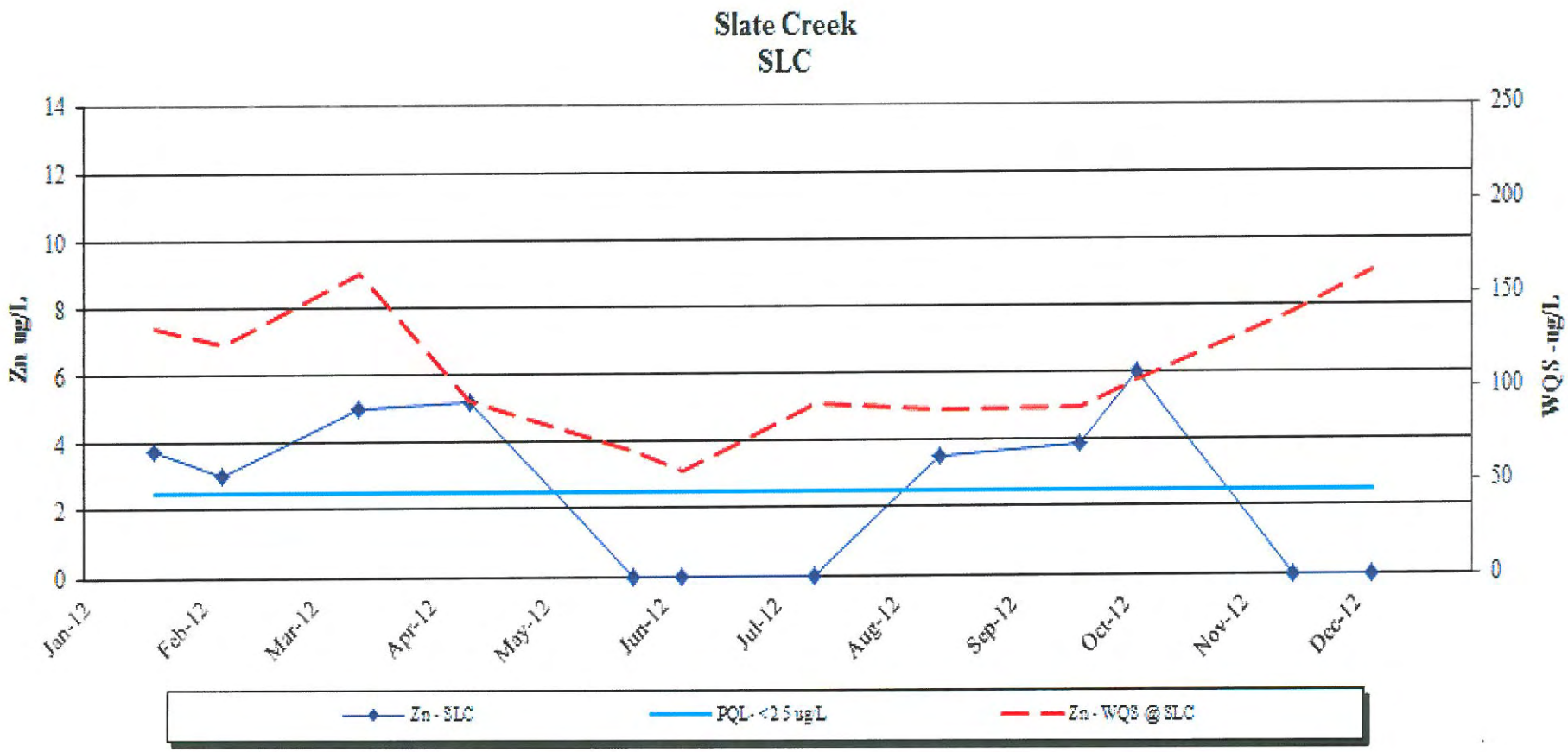


Figure 7c: Slate Creek Monitoring Results 2012, Trace Chemistry

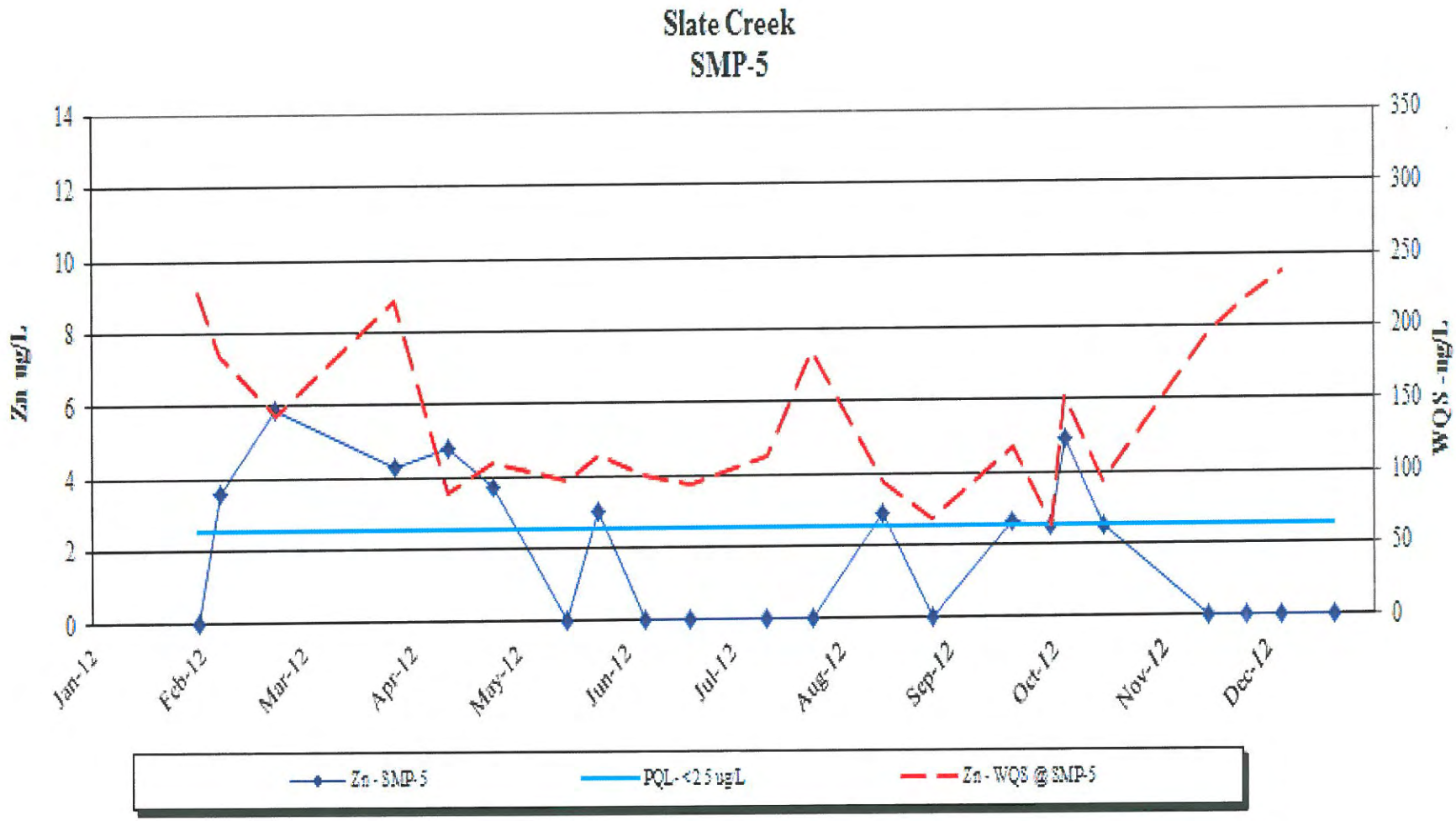


Figure 7c: Slate Creek Monitoring Results 2012, Trace Chemistry

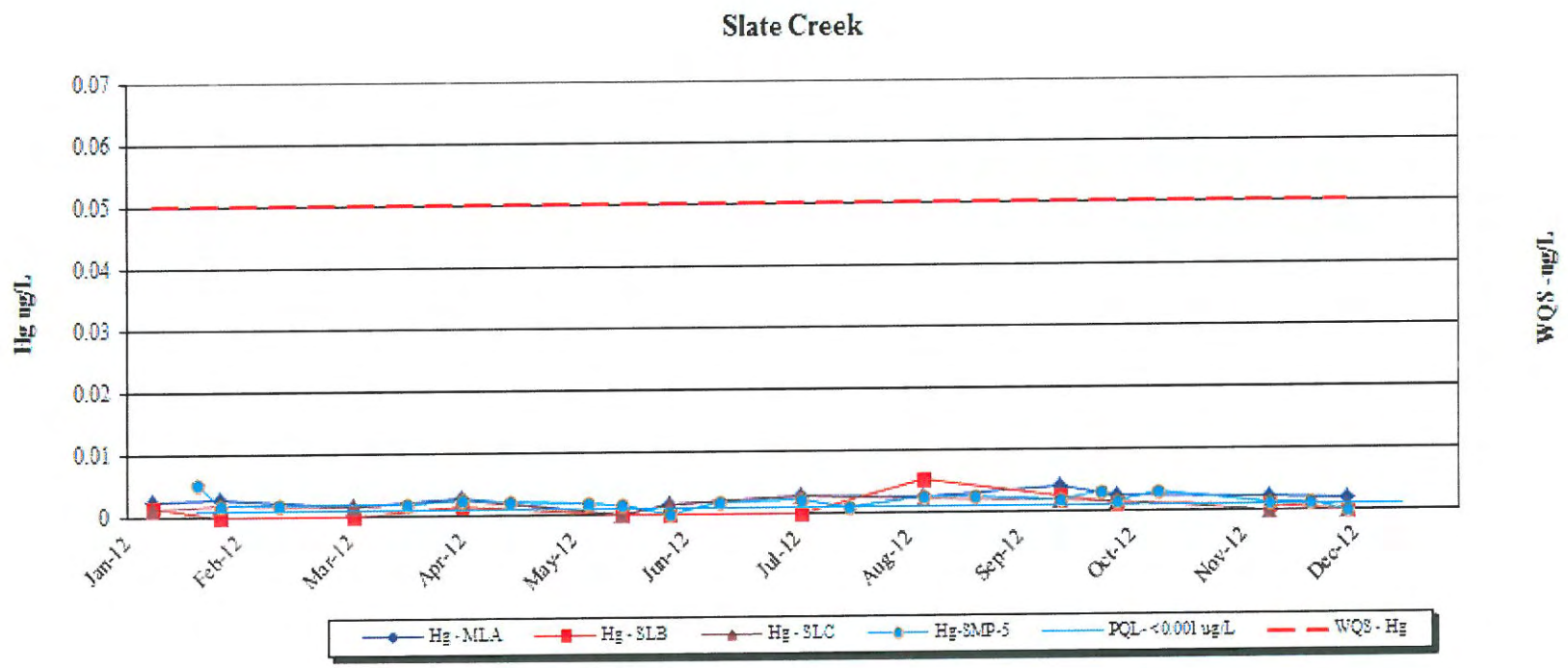


Figure 8a: Sherman Creek Monitoring Results 2012, Field Parameters

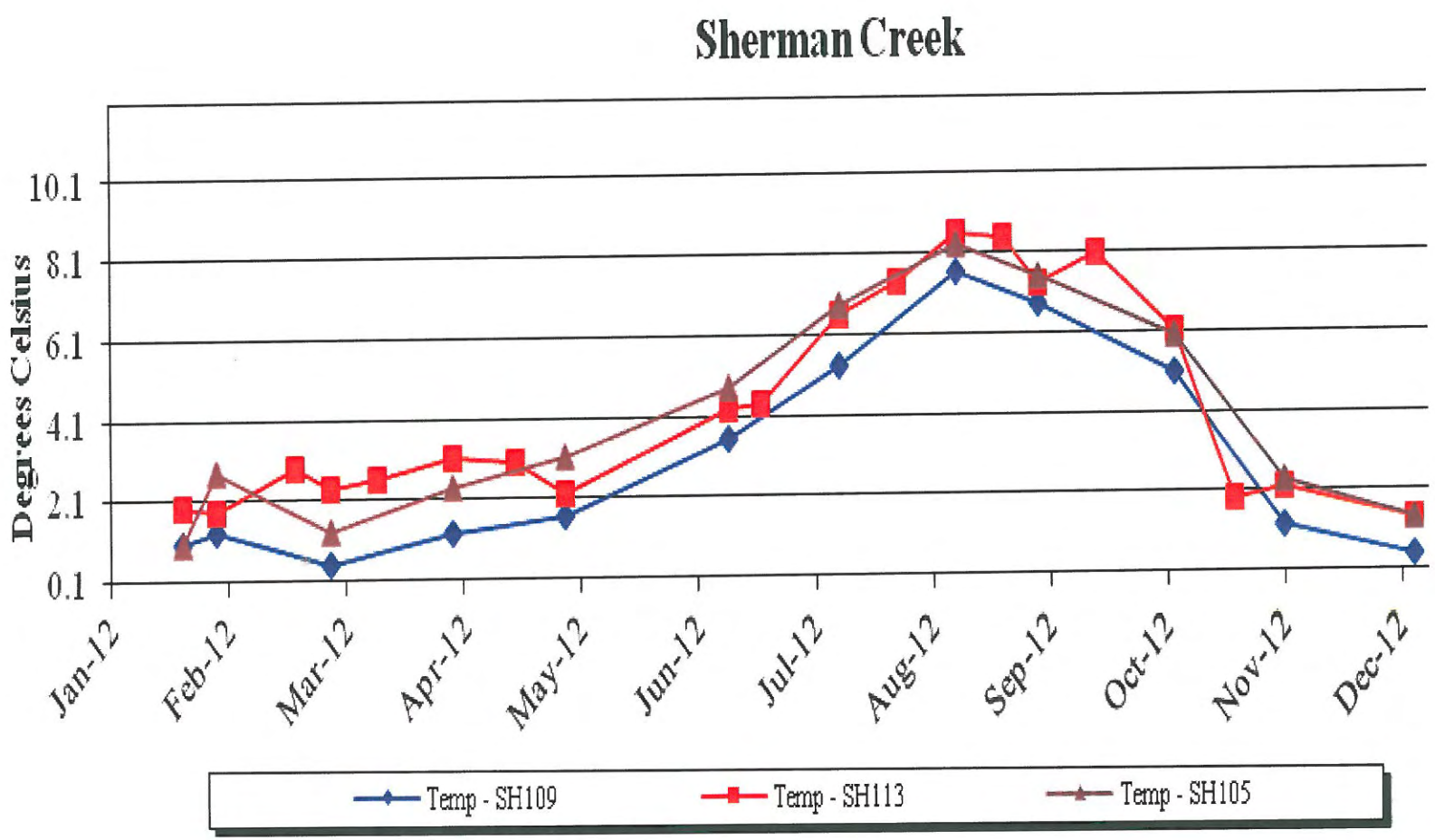


Figure 8a: Sherman Creek Monitoring Results 2012, Field Parameters

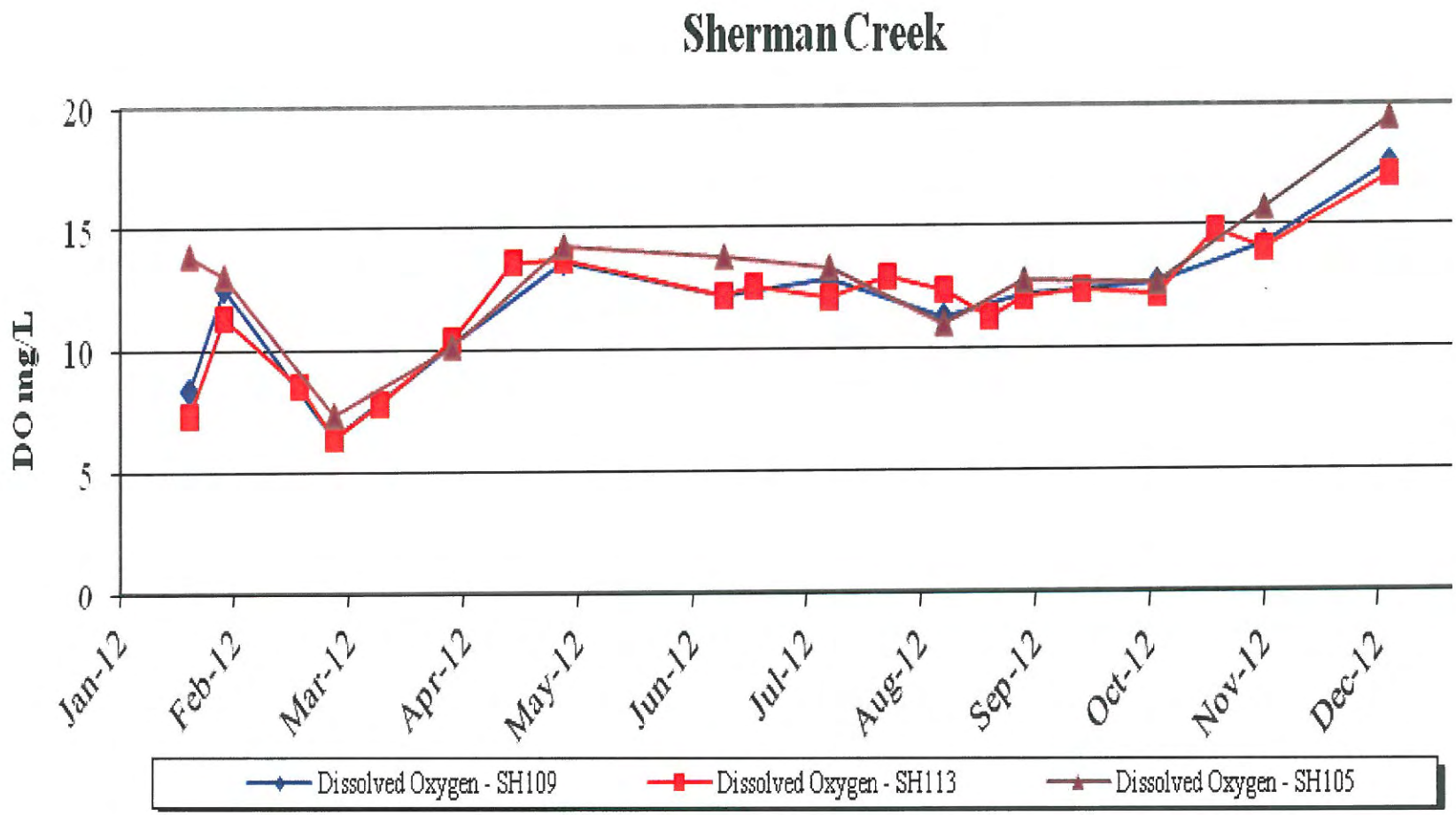


Figure 8a: Sherman Creek Monitoring Results 2012, Field Parameters

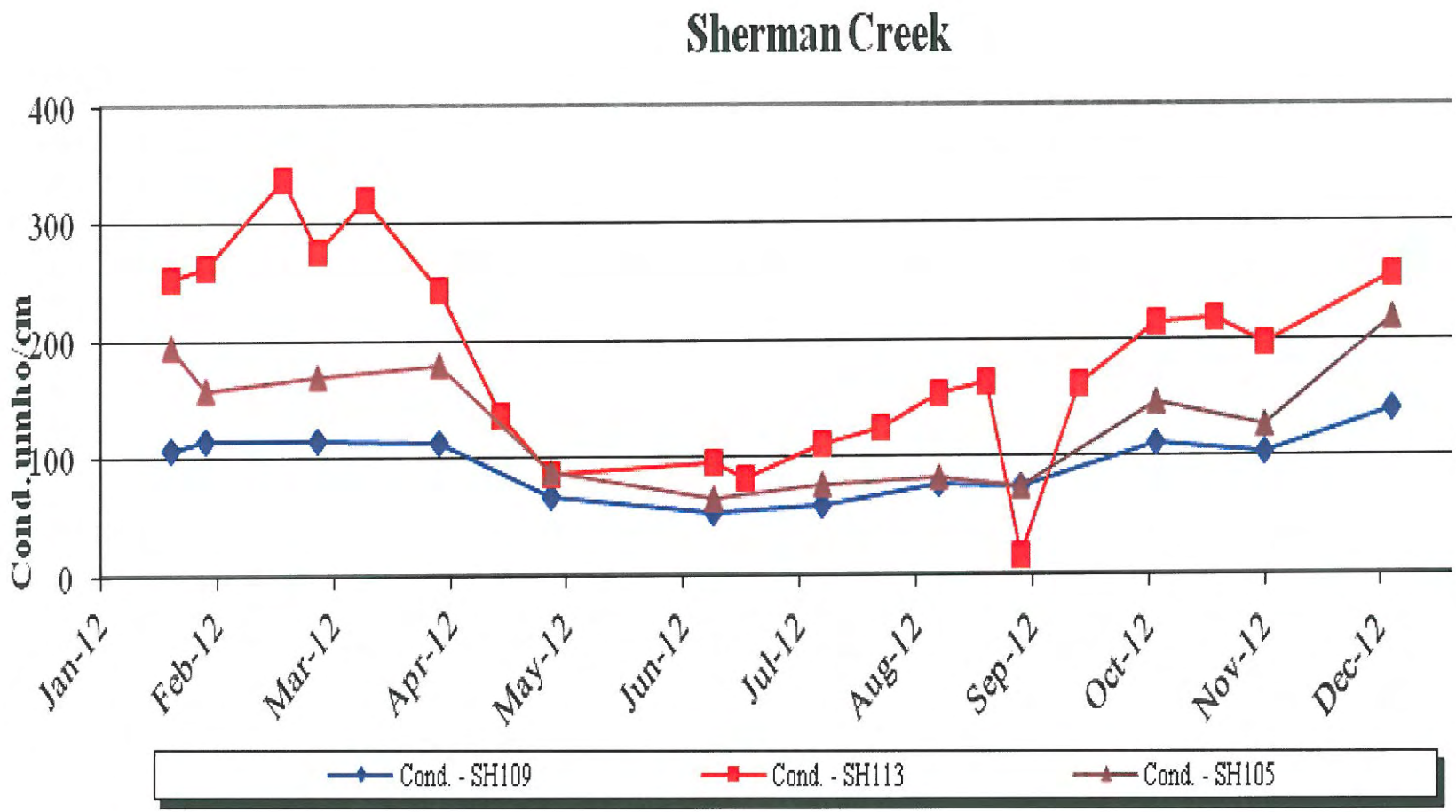


Figure 8a: Sherman Creek Monitoring Results 2012, Field Parameters

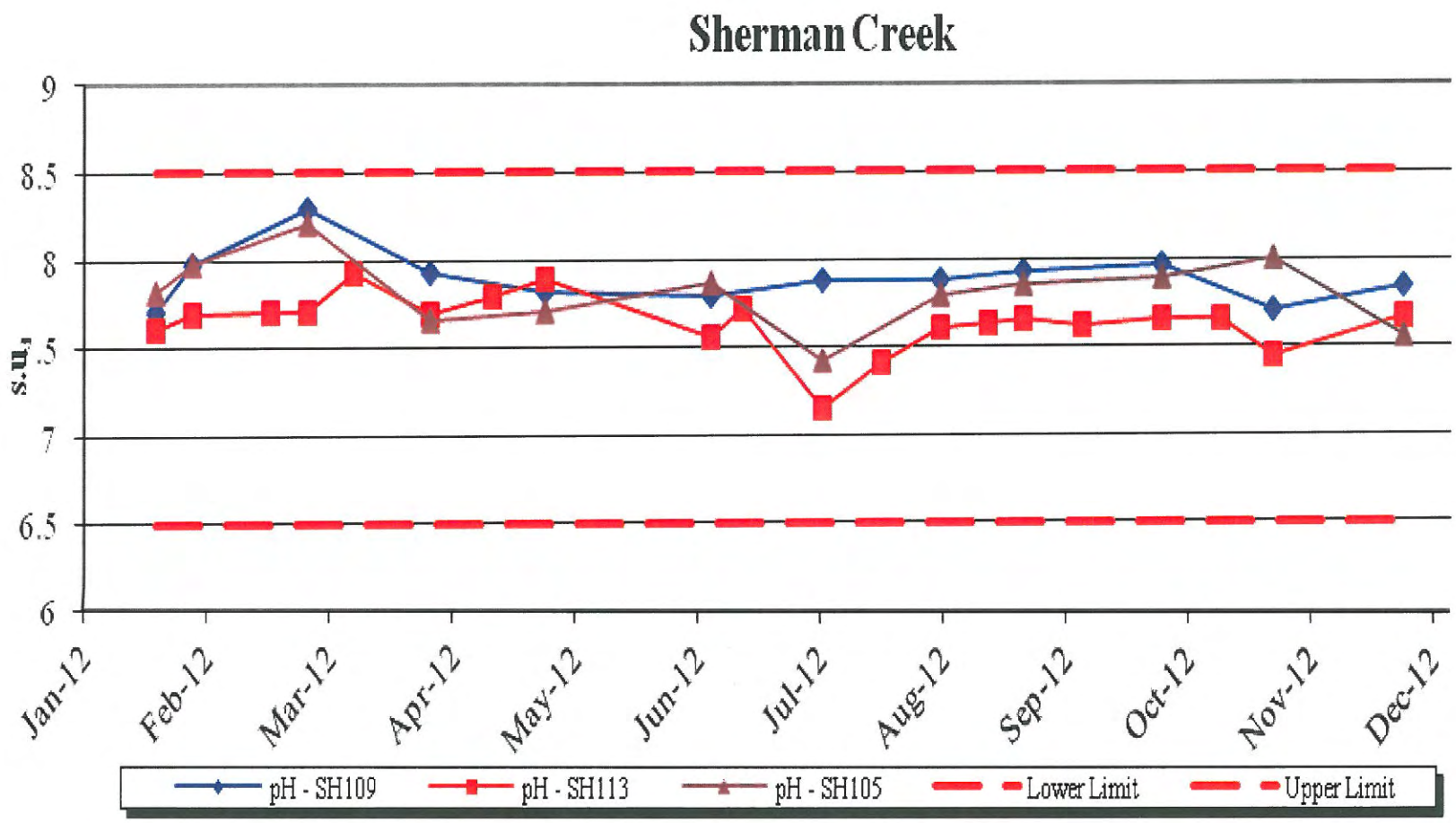


Figure 8b: Sherman Creek Monitoring Results 2012, Major Chemistry

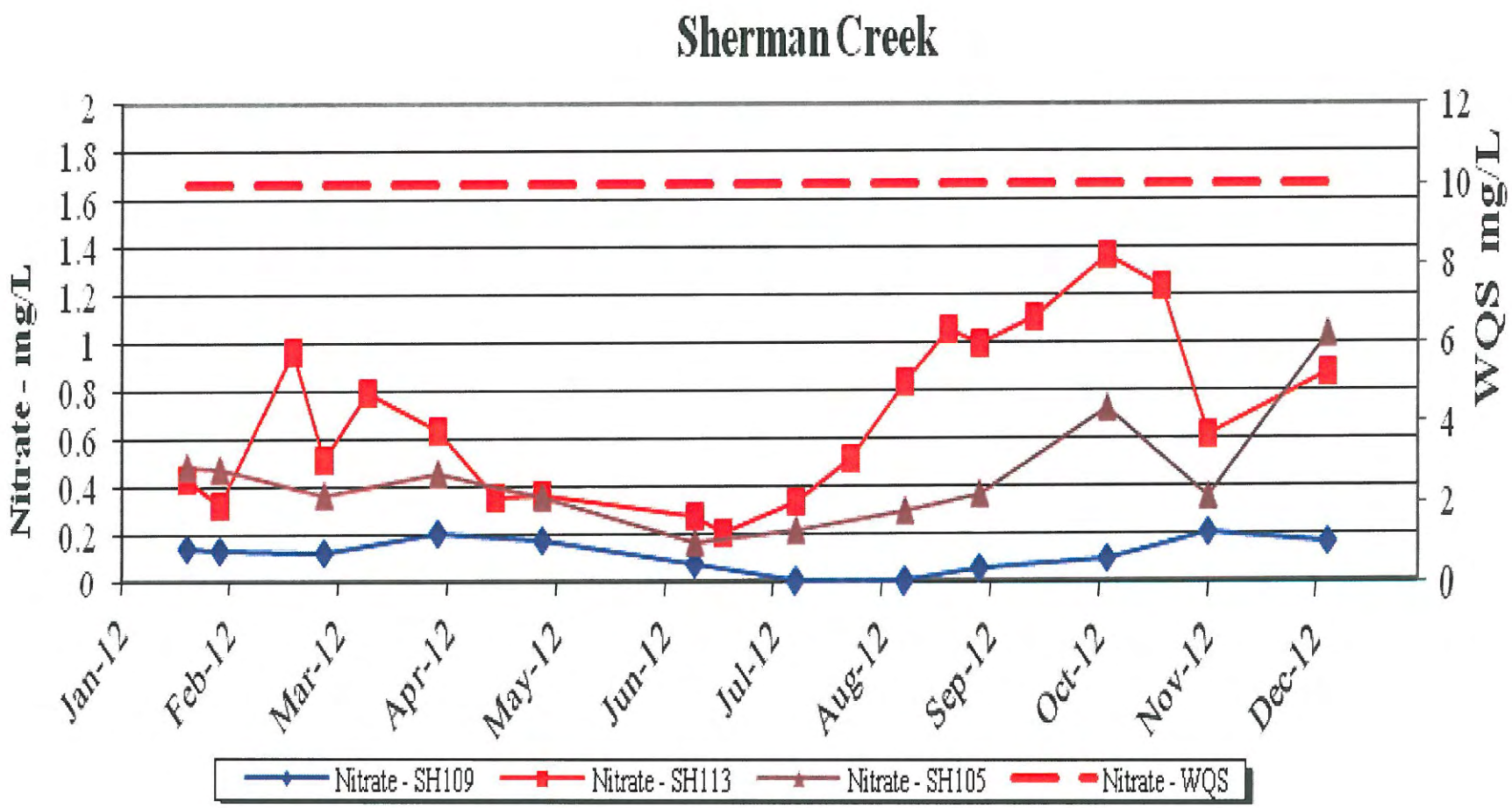


Figure 8b: Sherman Creek Monitoring Results 2012, Major Chemistry

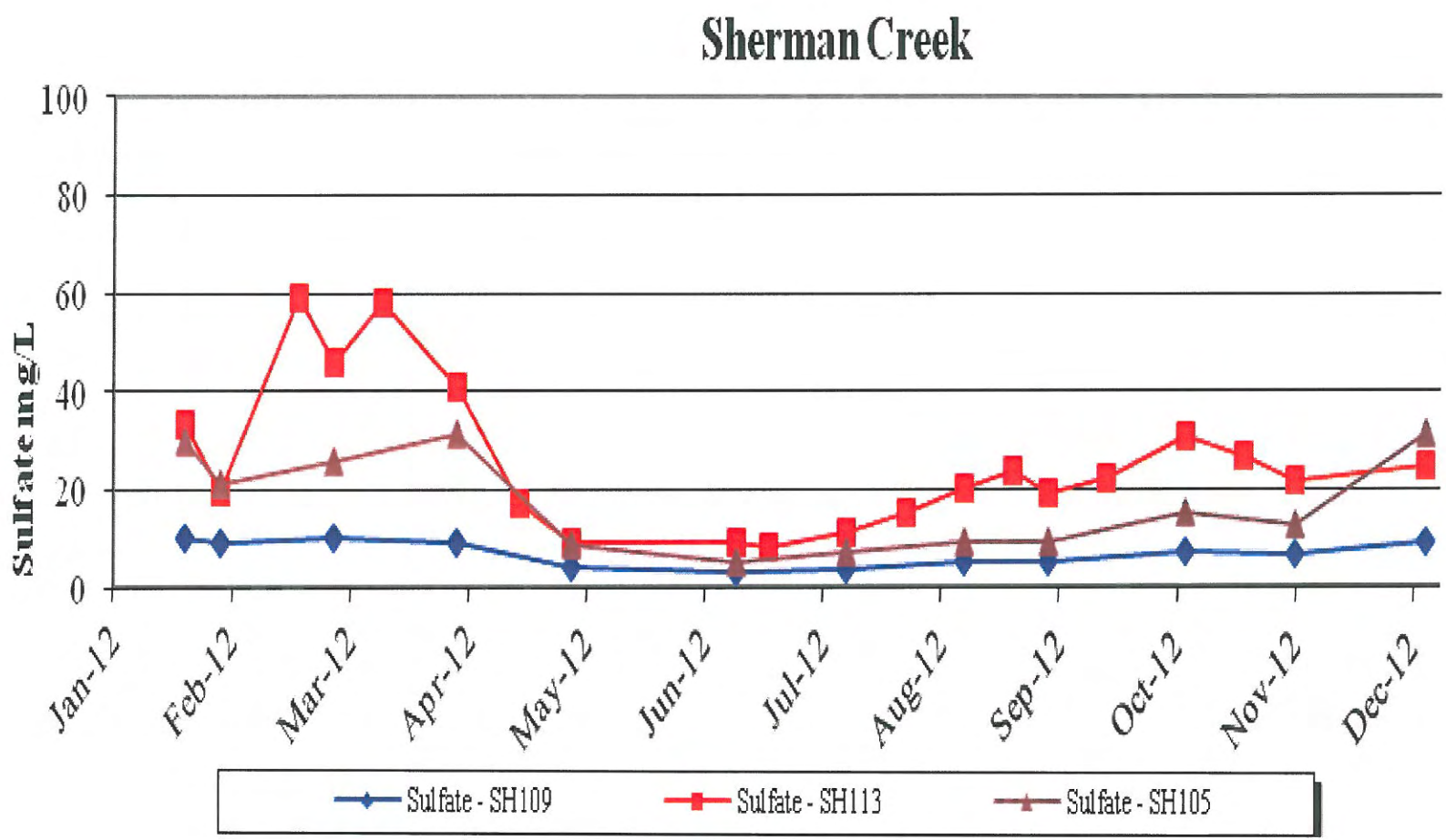


Figure 8b: Sherman Creek Monitoring Results 2012, Major Chemistry

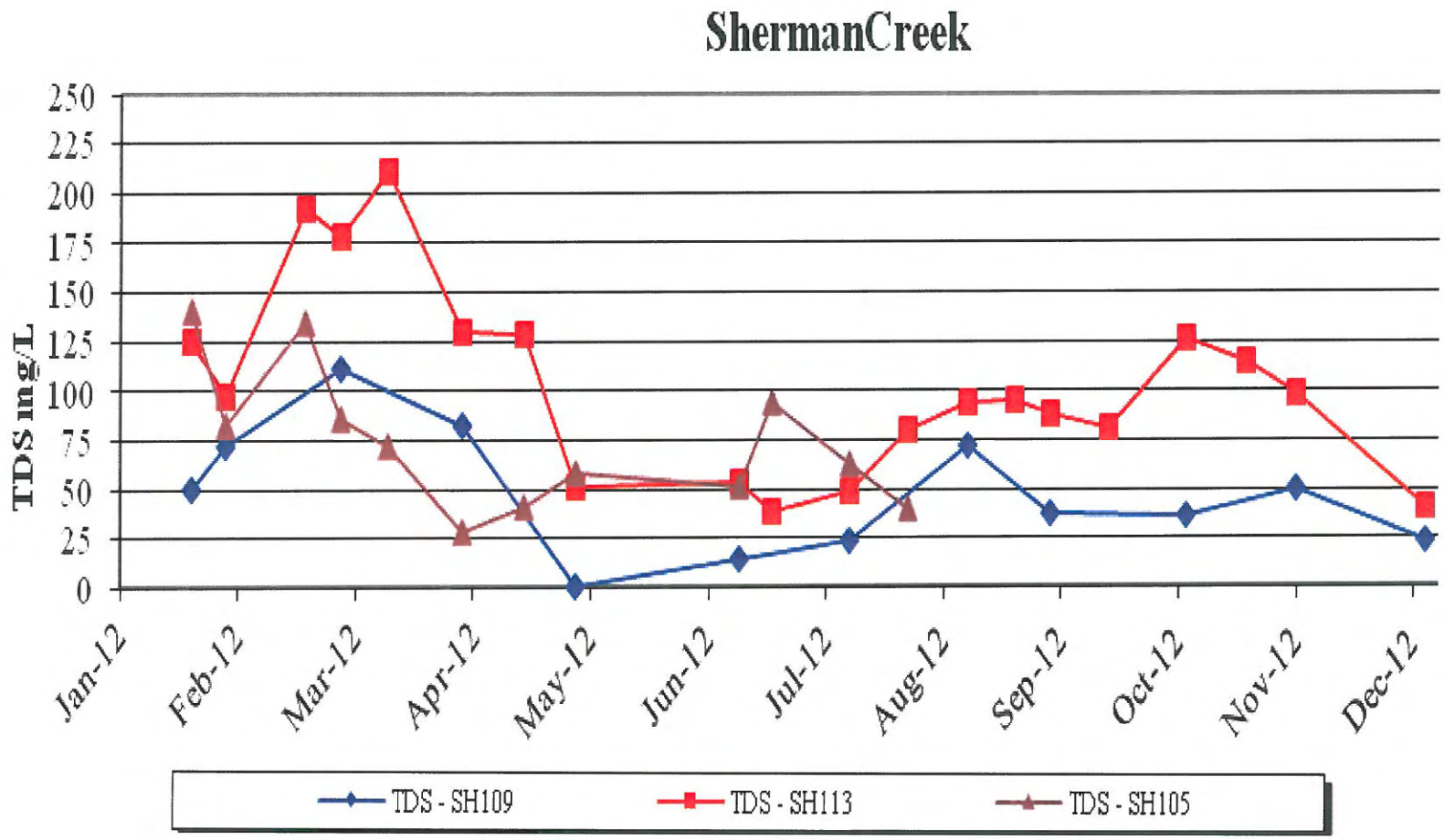
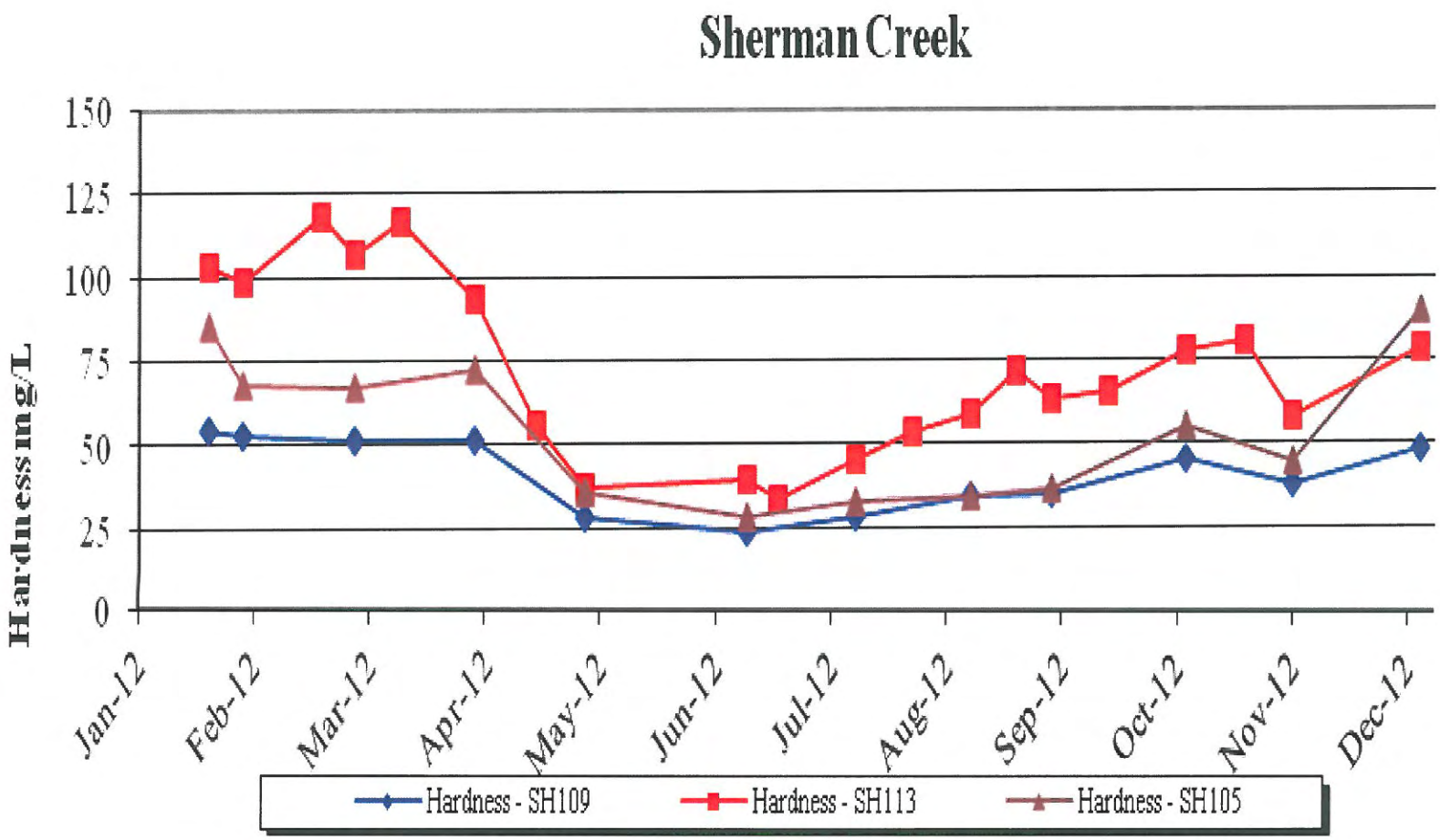


Figure 8b: Sherman Creek Monitoring Results 2012, Major Chemistry



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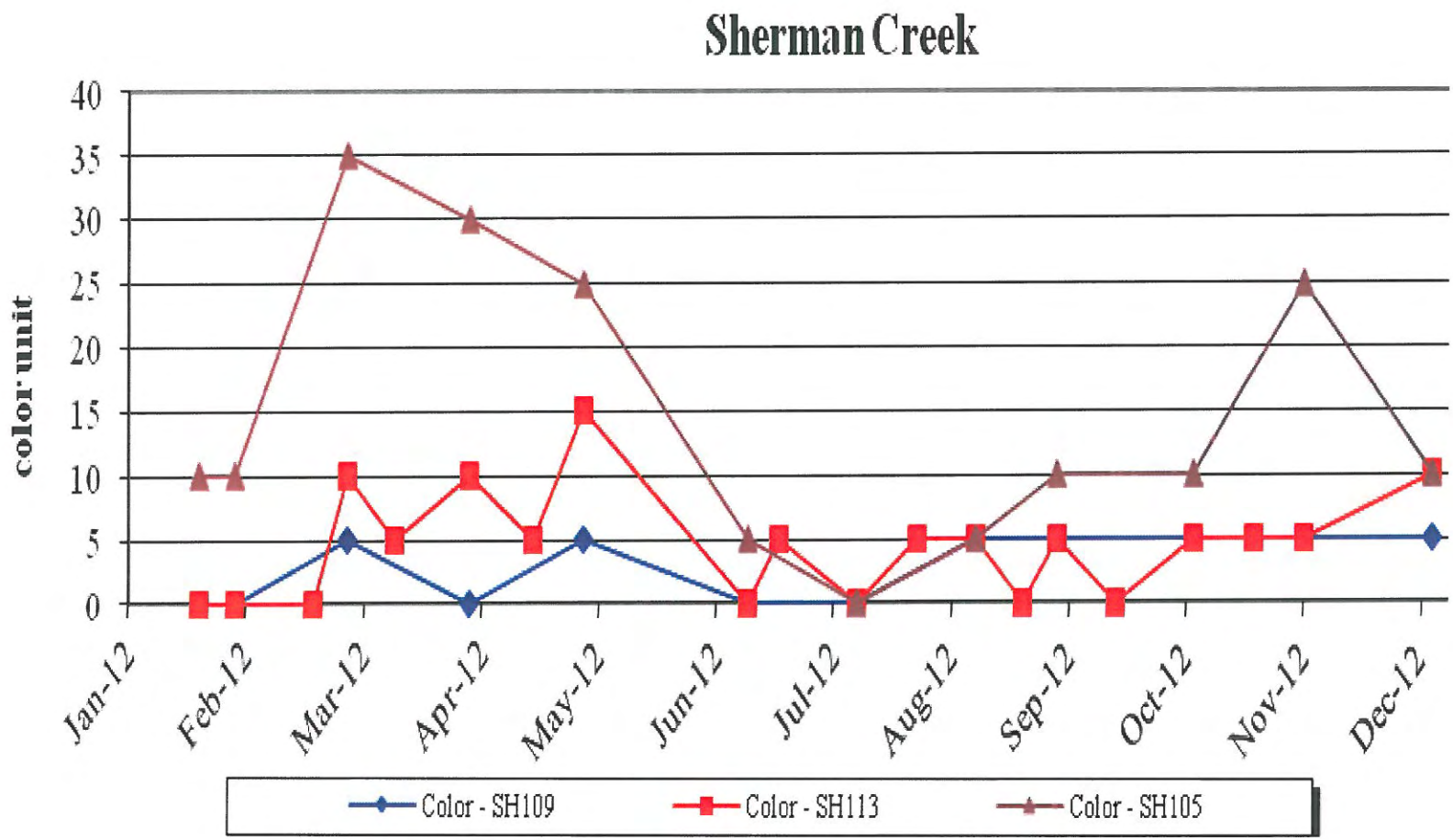

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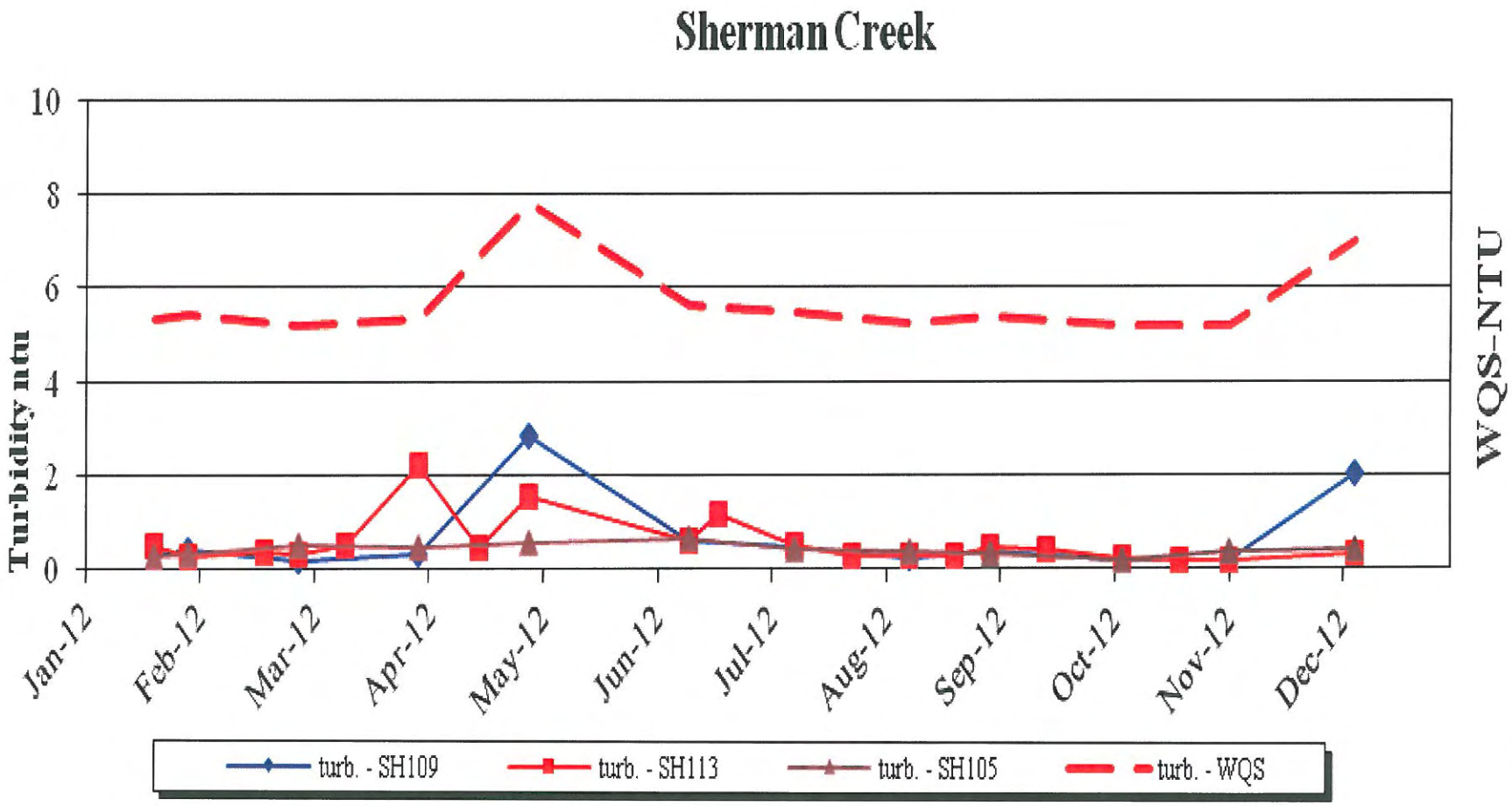

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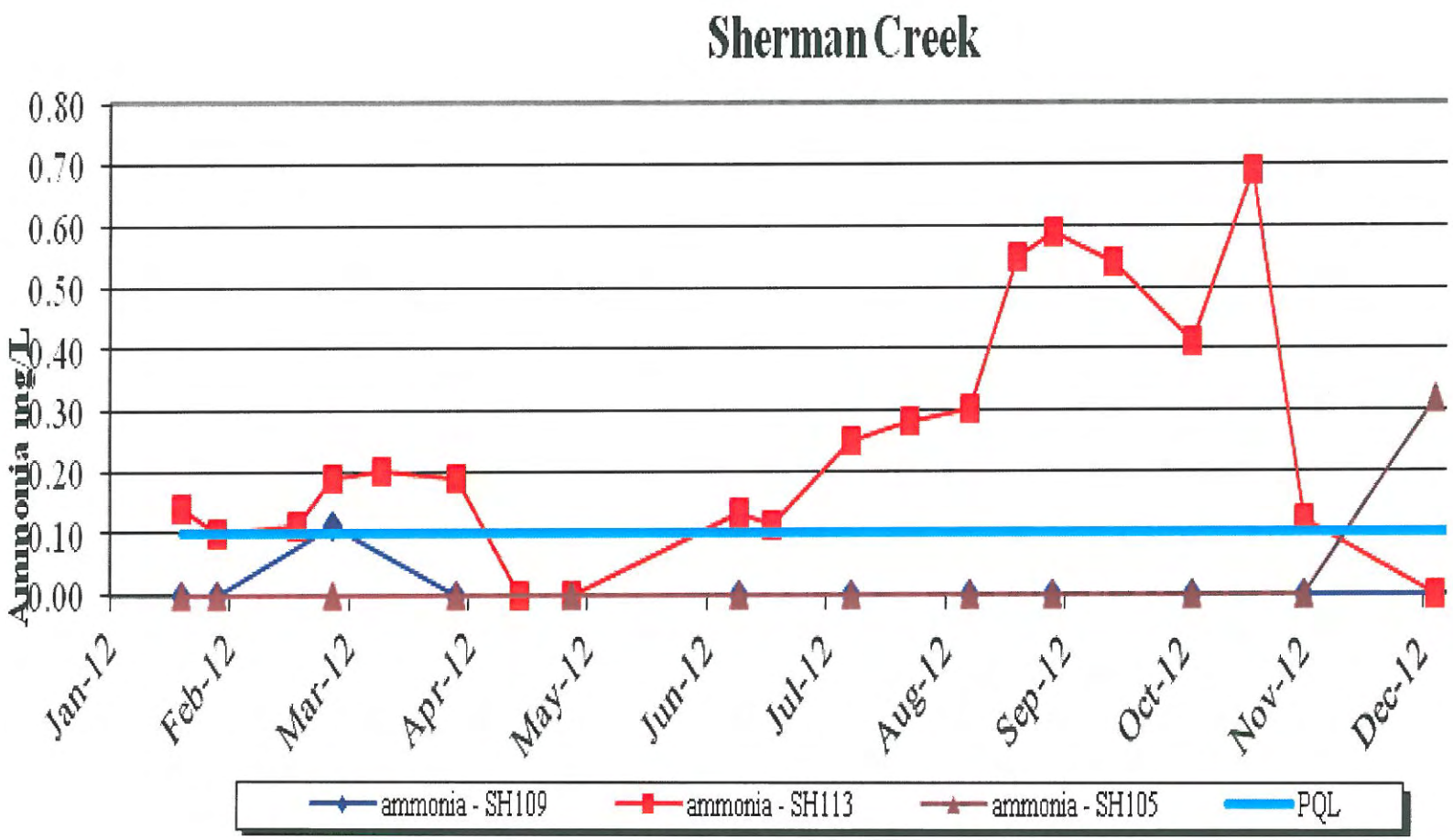

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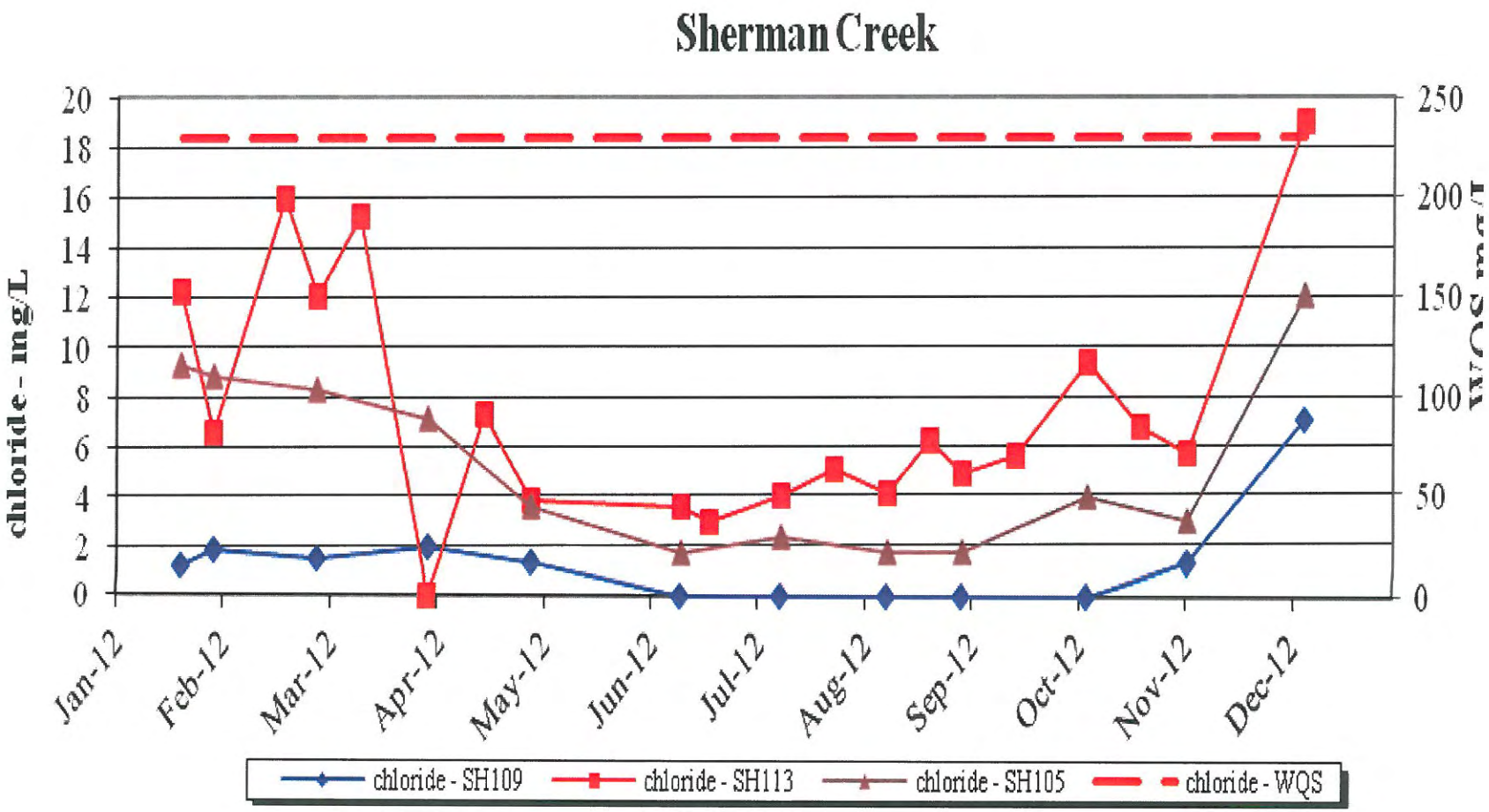
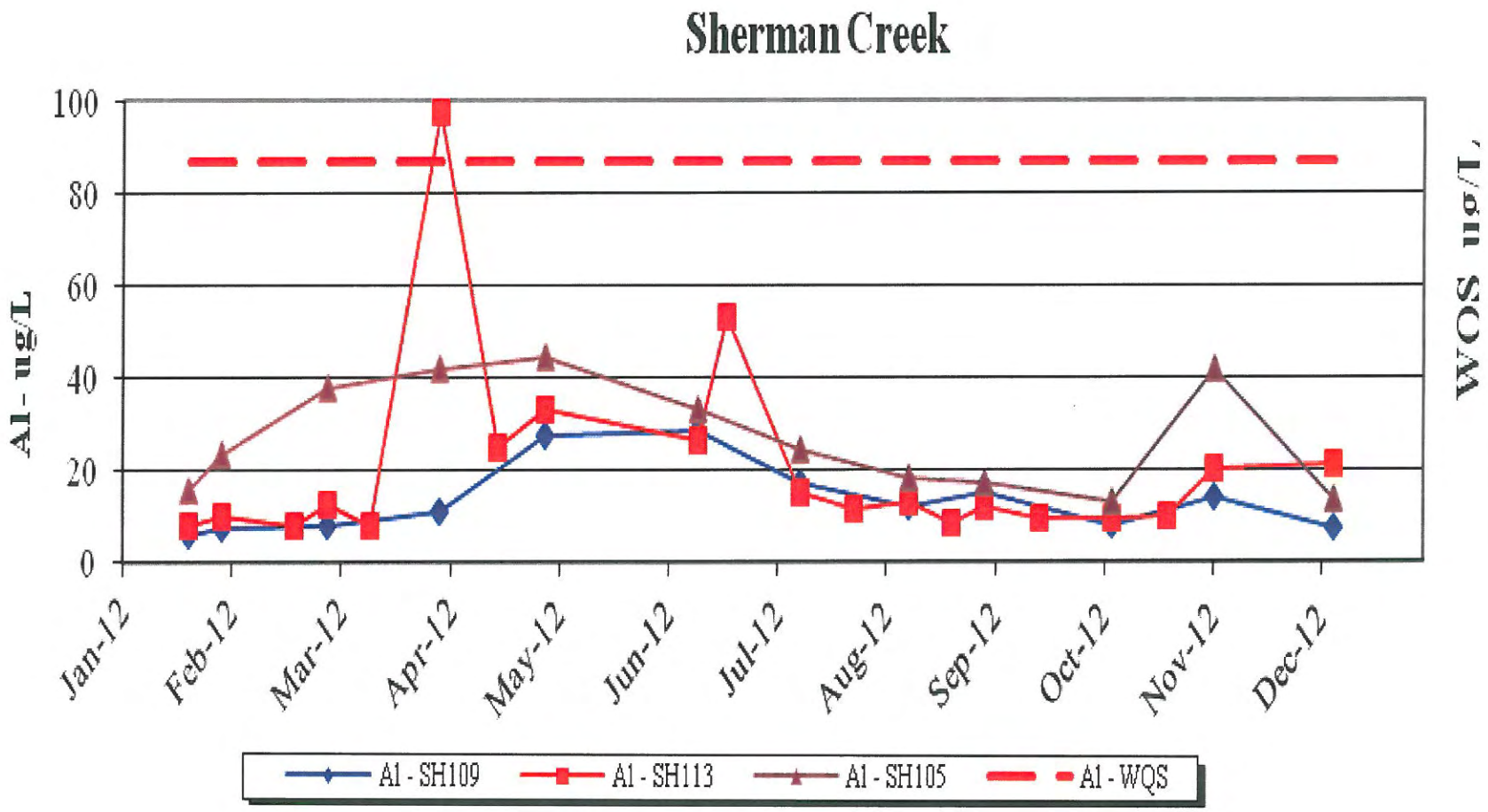


Figure 8c: Sherman Creek Monitoring Results 2012, Trace Chemistry



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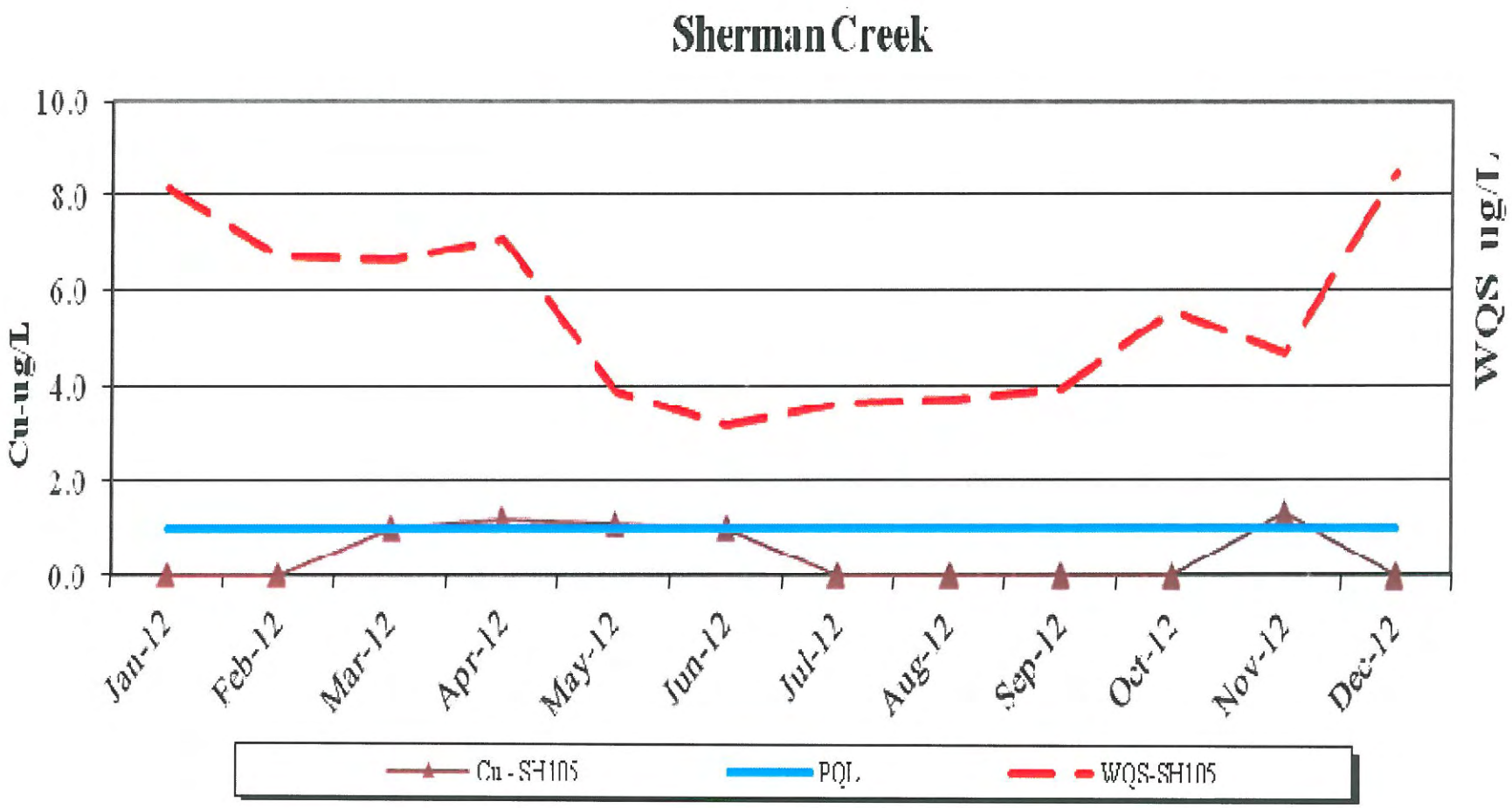

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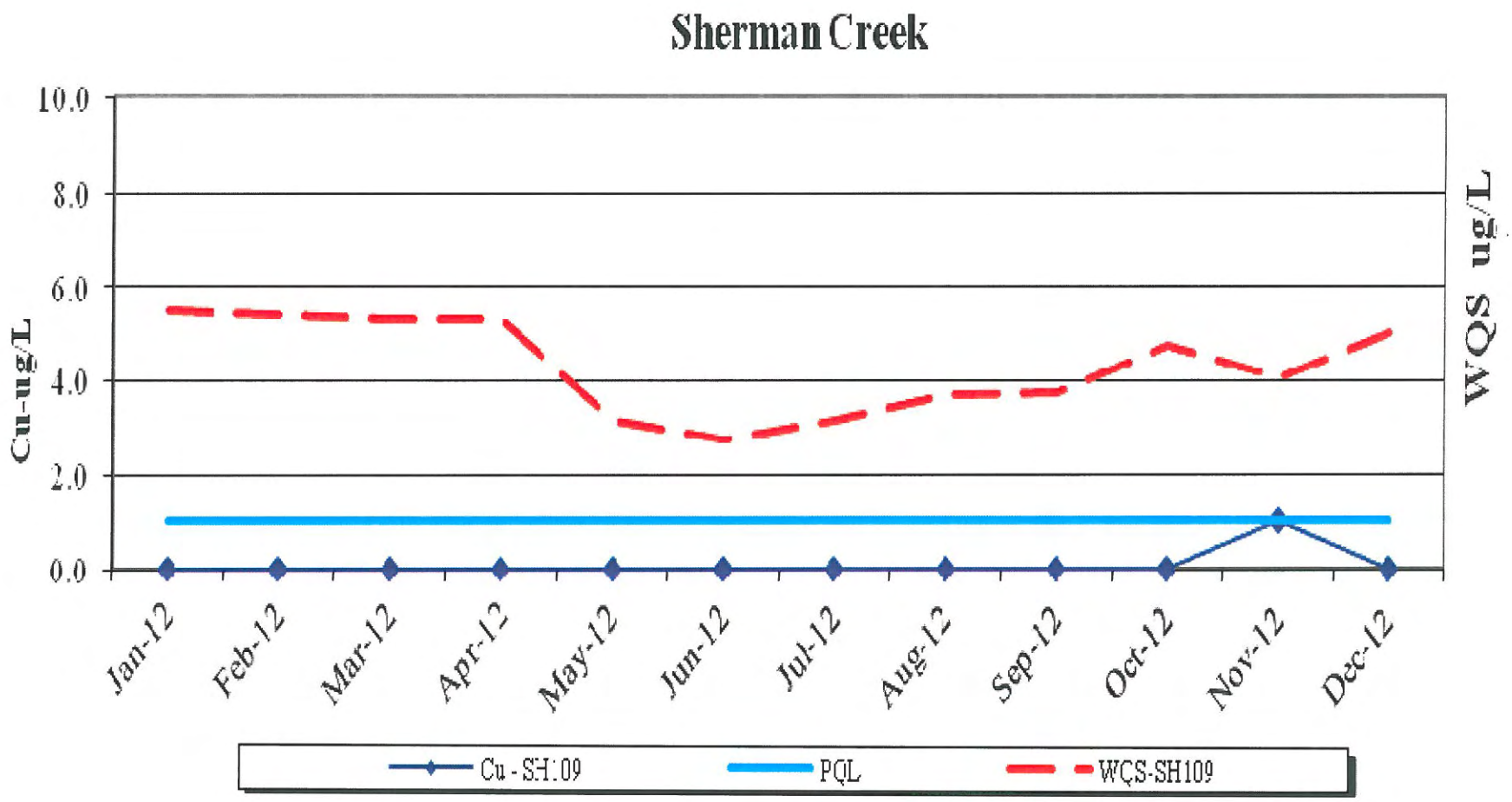

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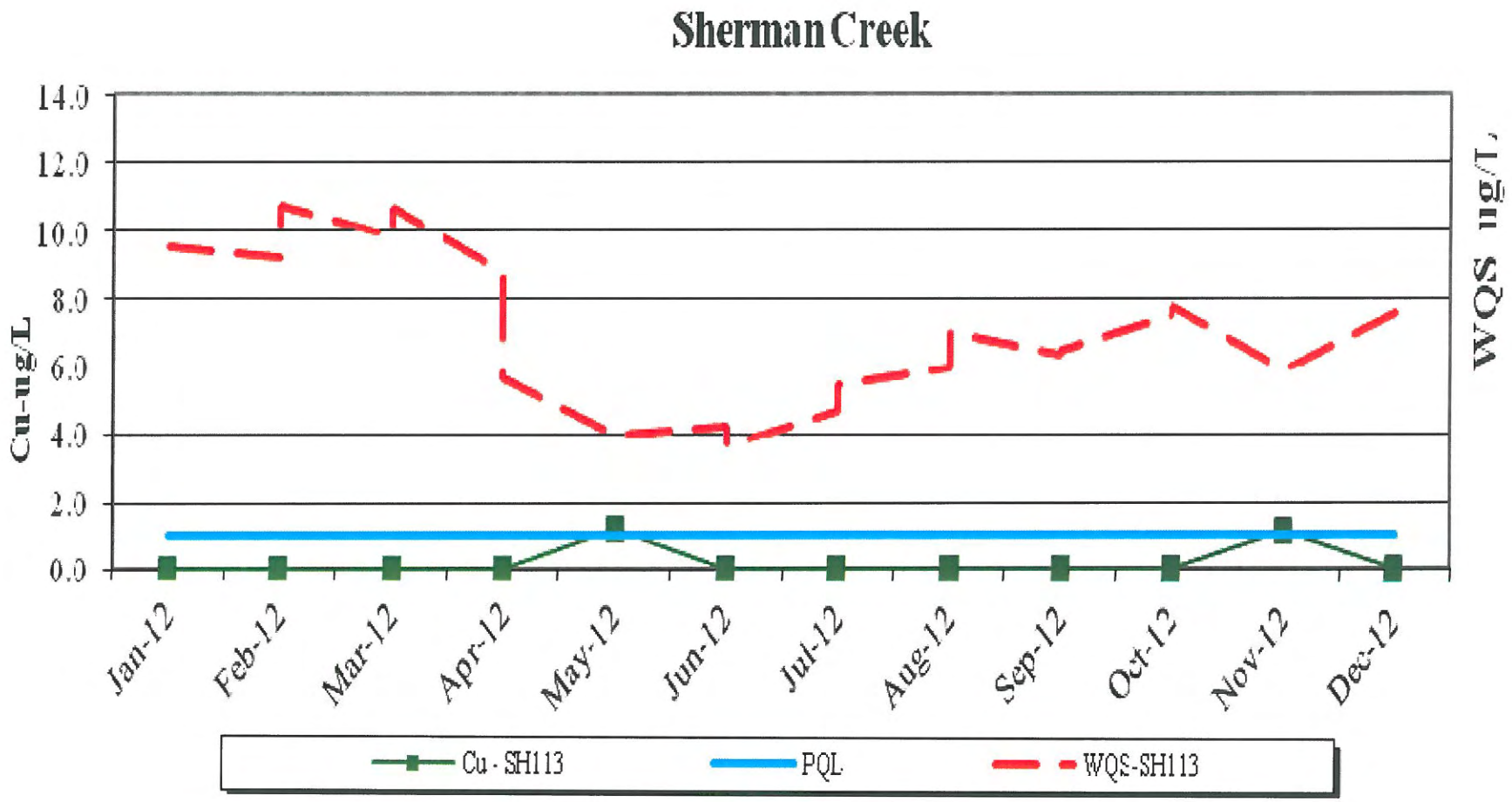

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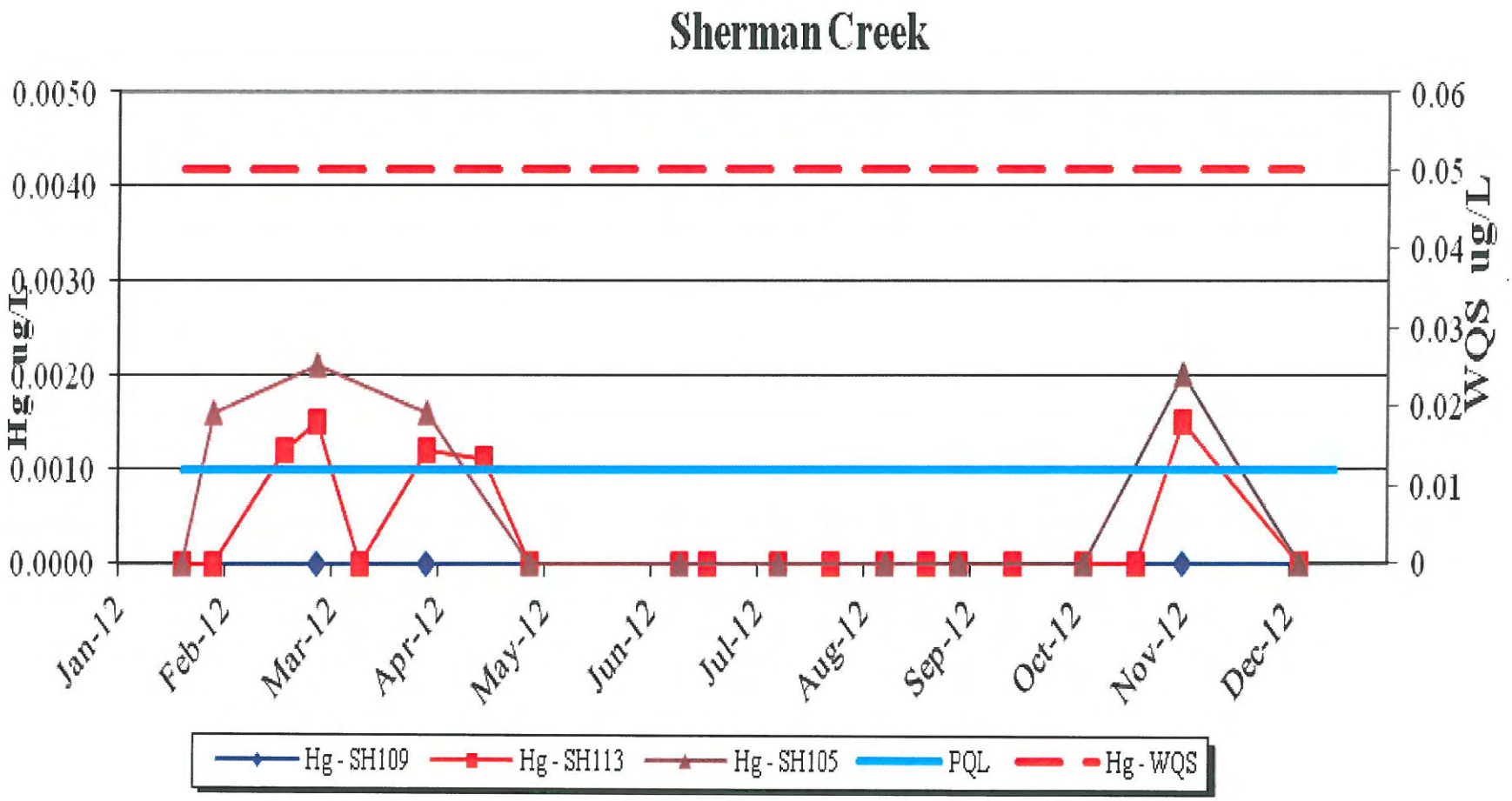

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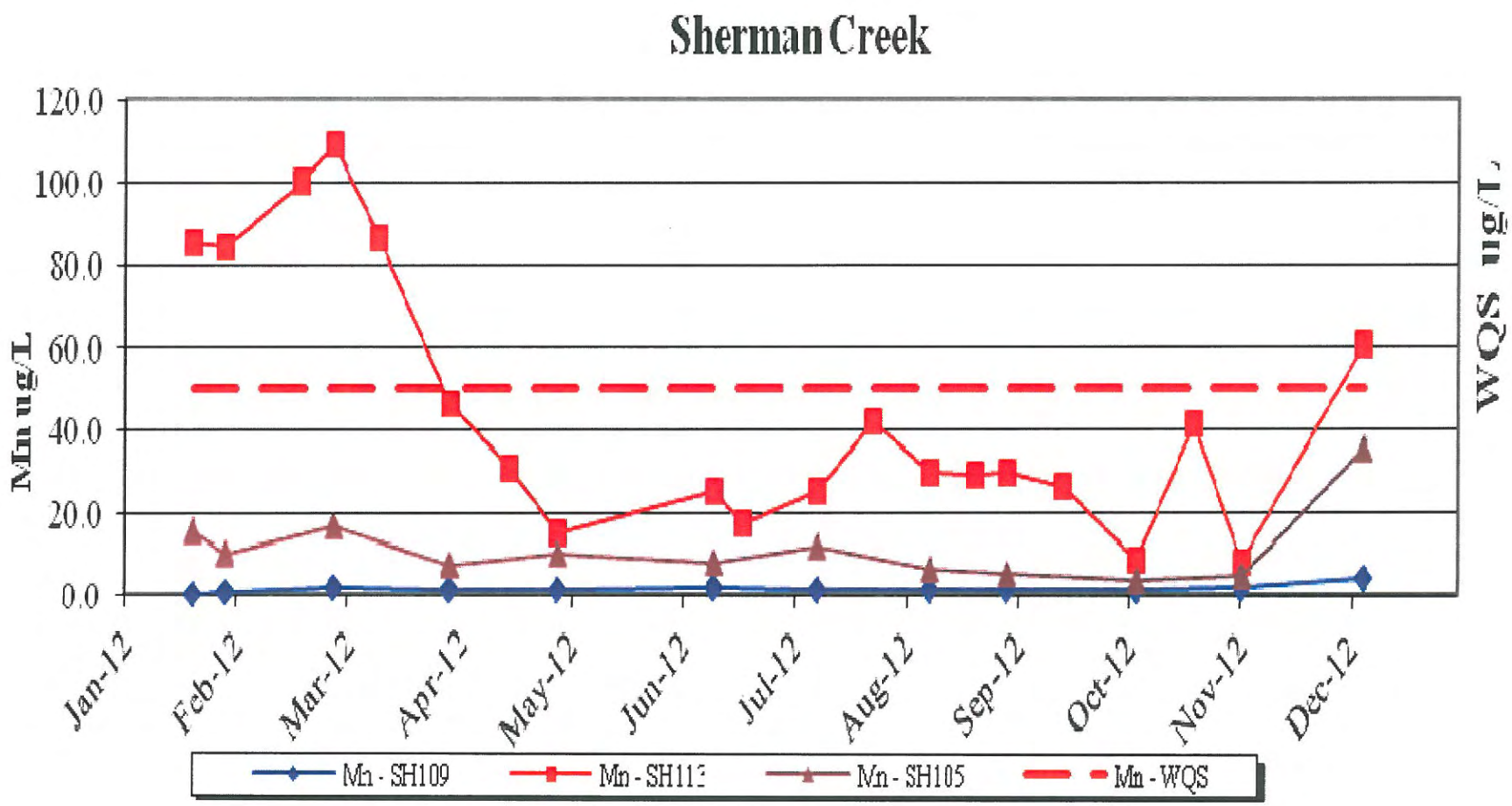

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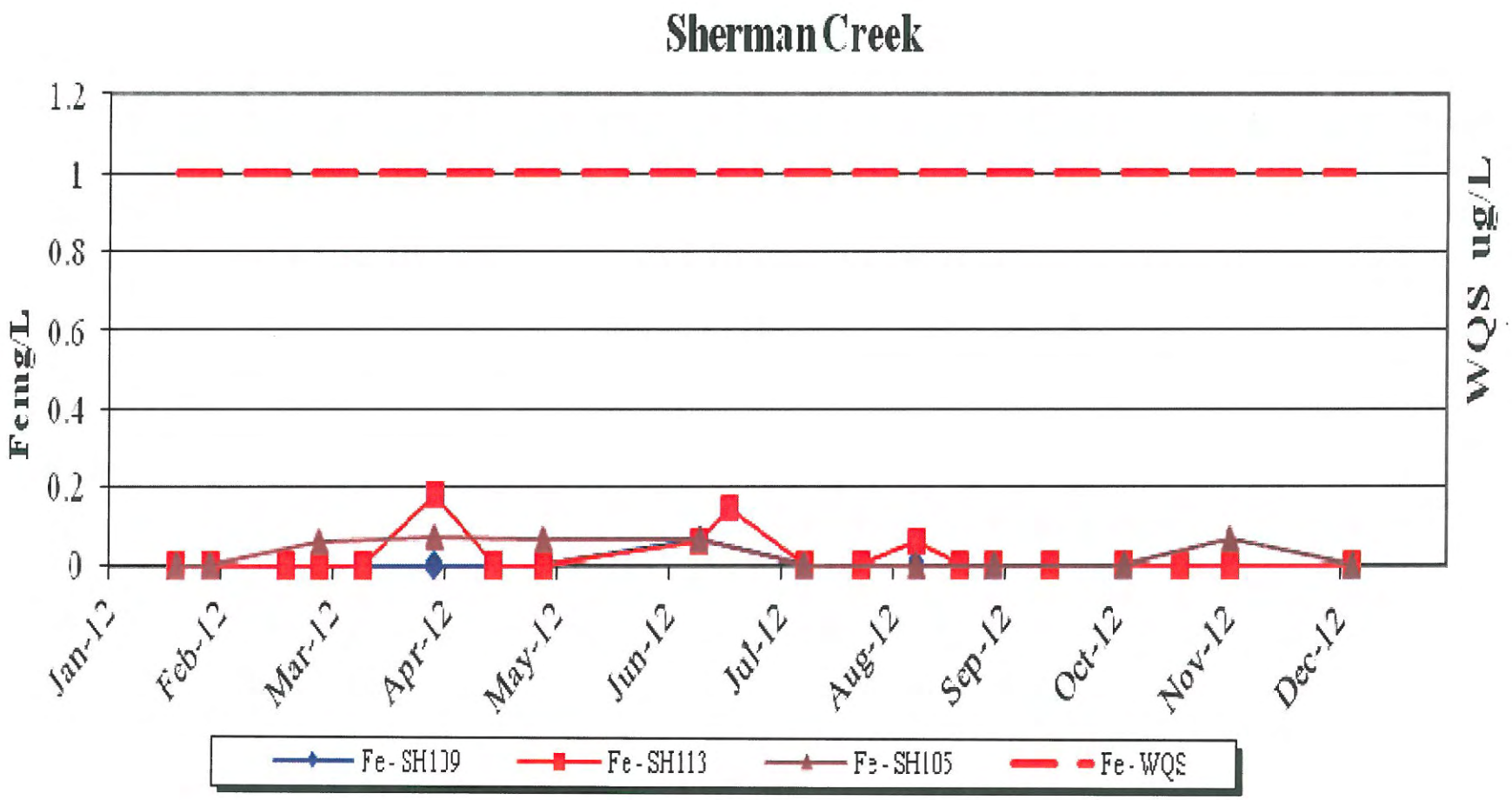

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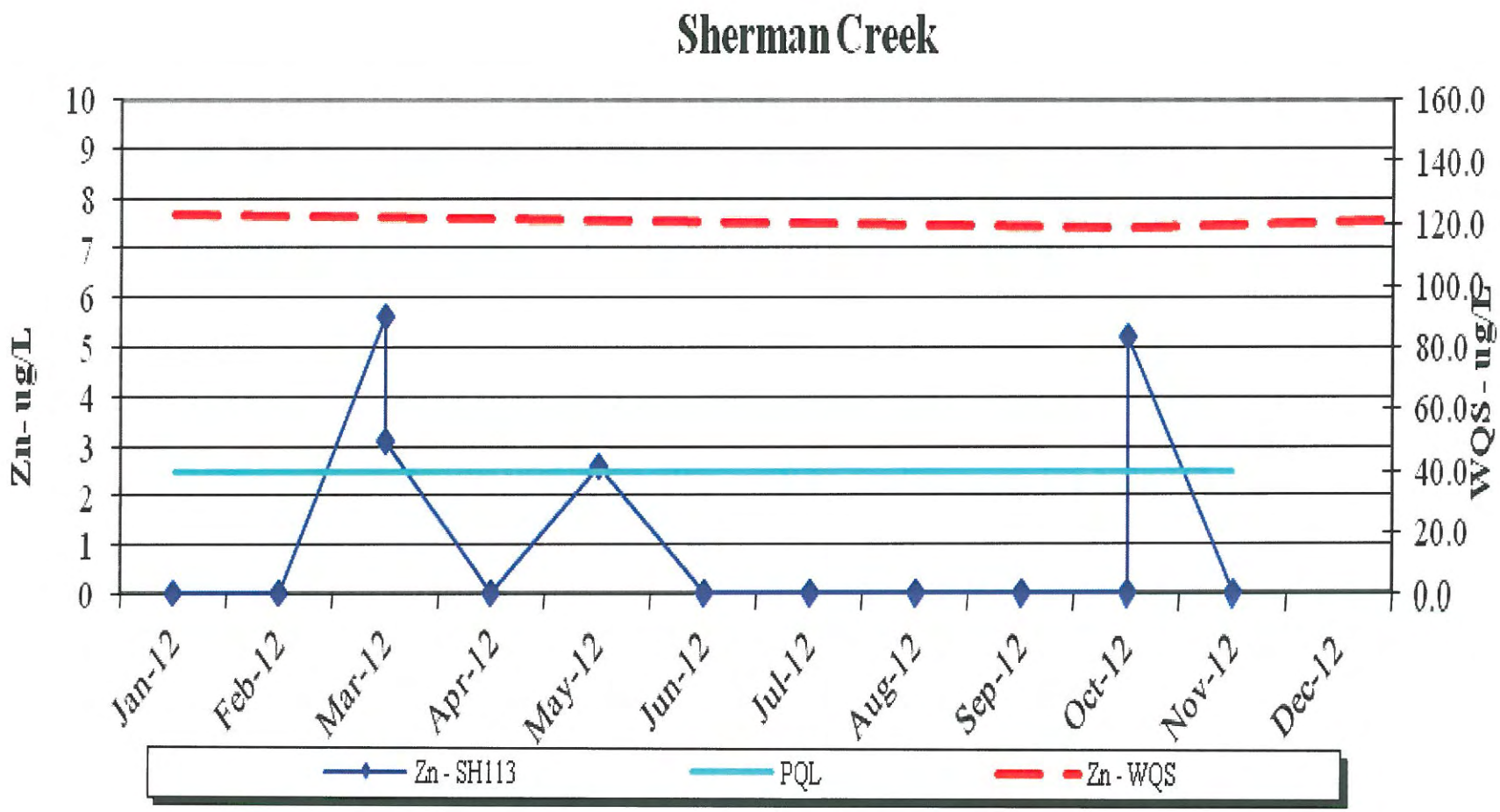

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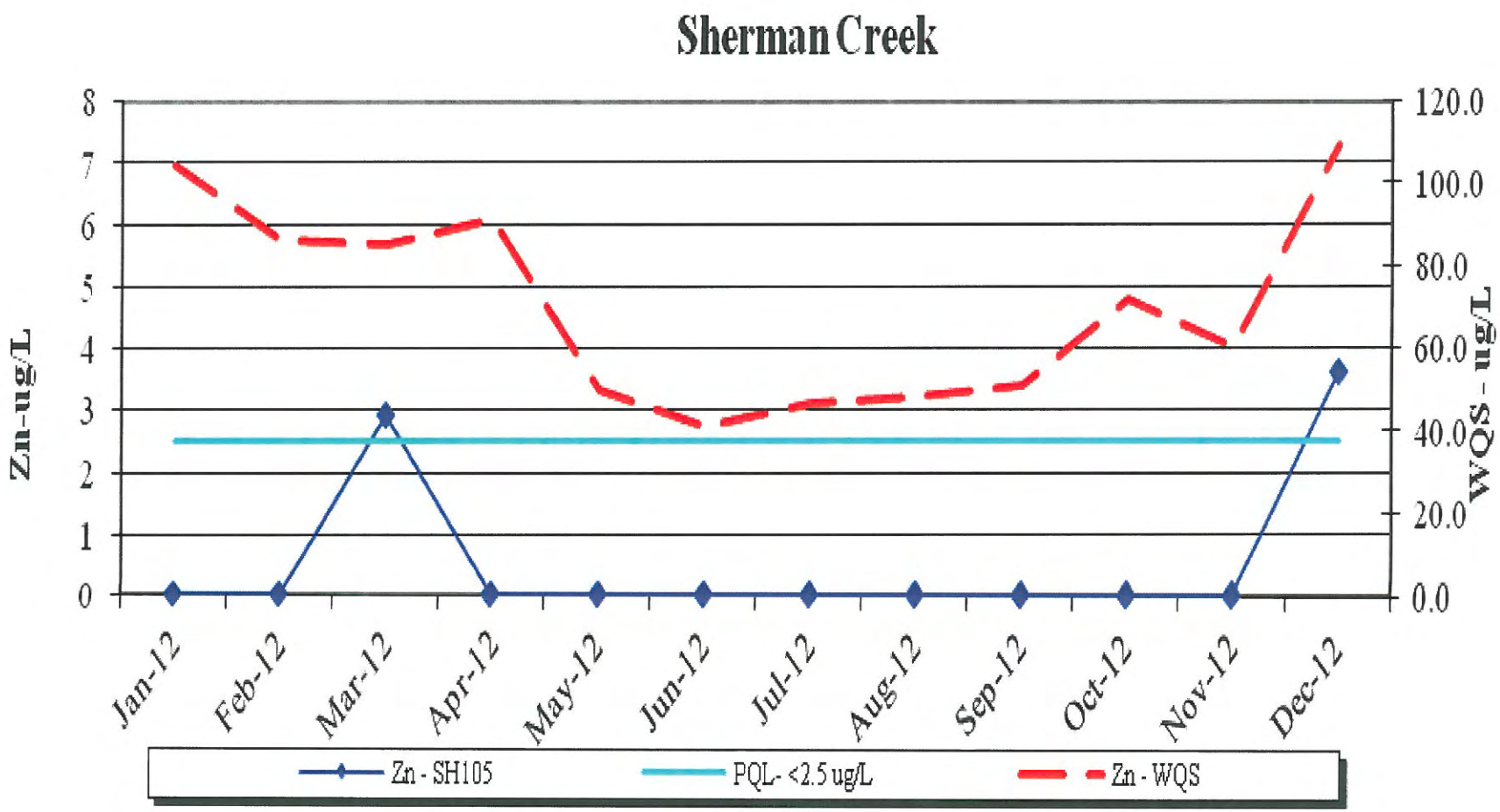
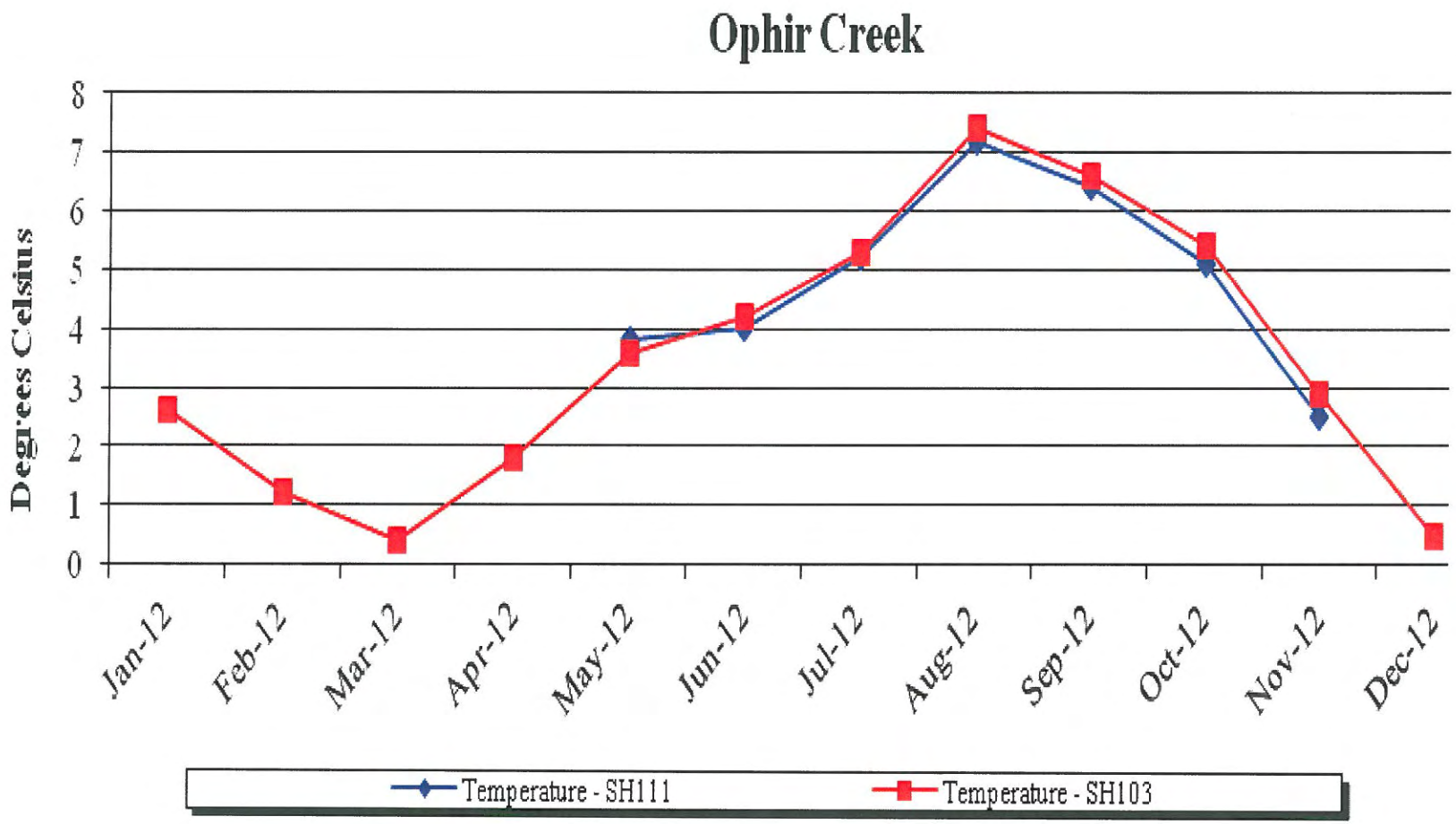


Figure 9a: Ophir Creek Monitoring Results 2012, Field Parameters



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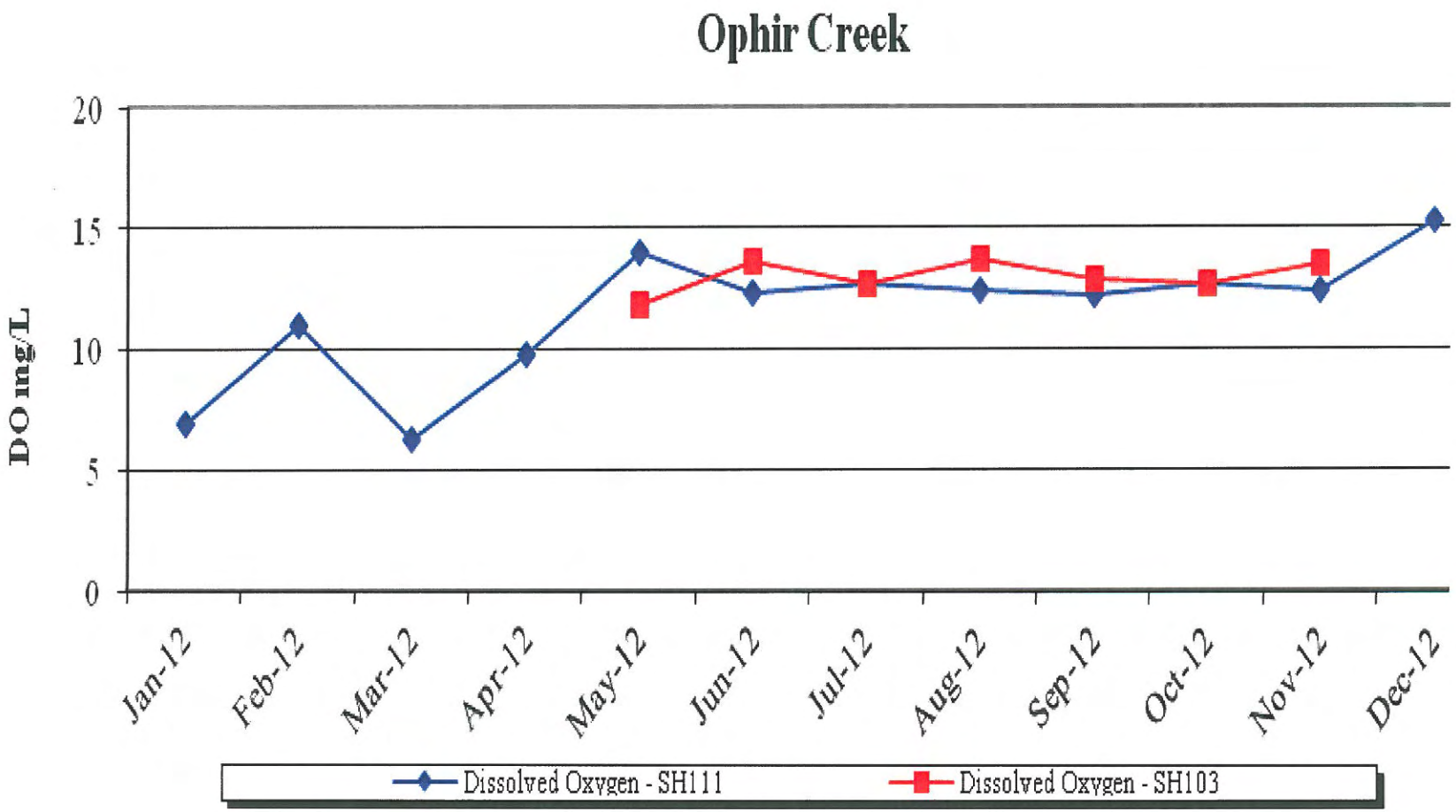

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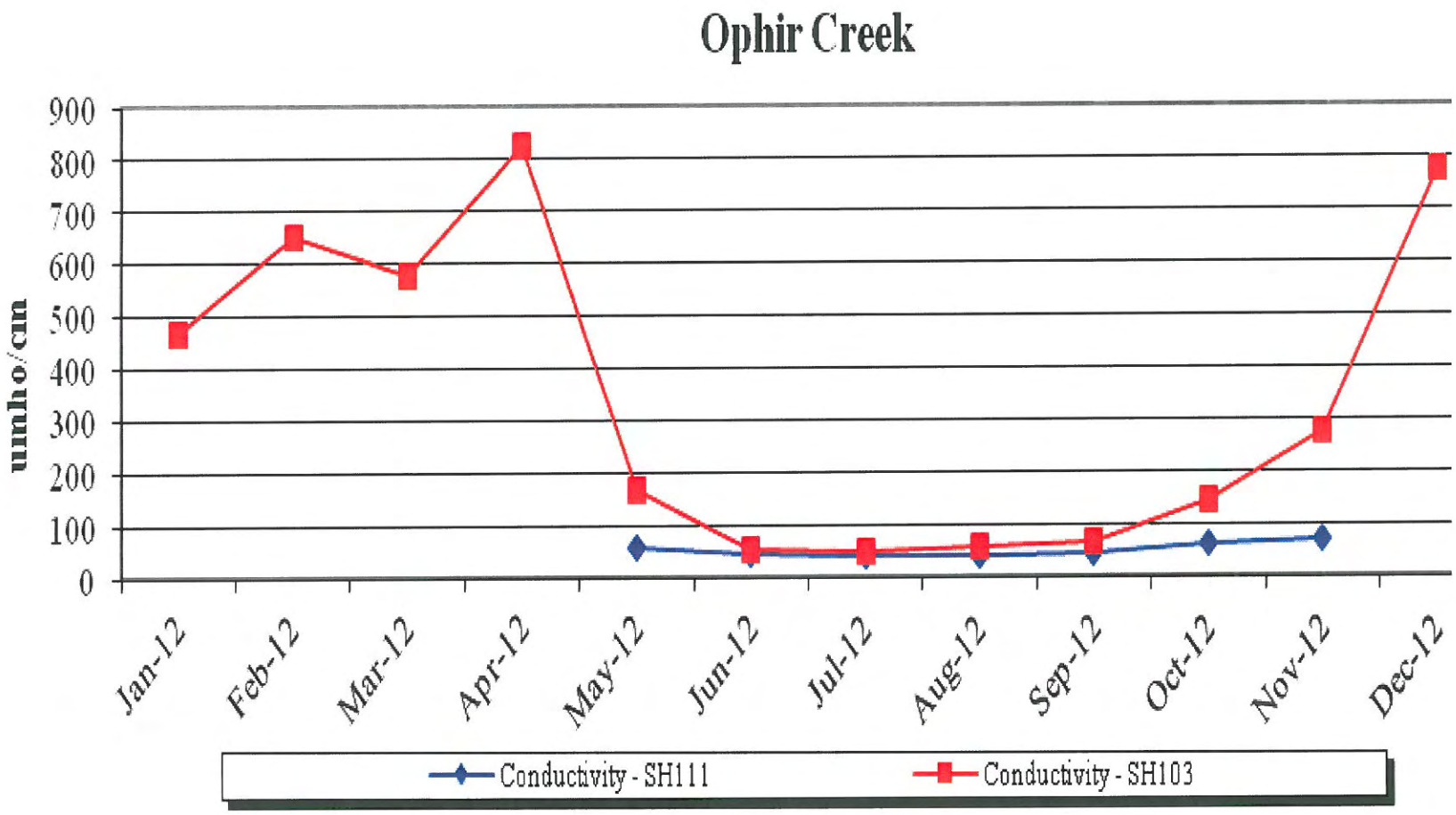

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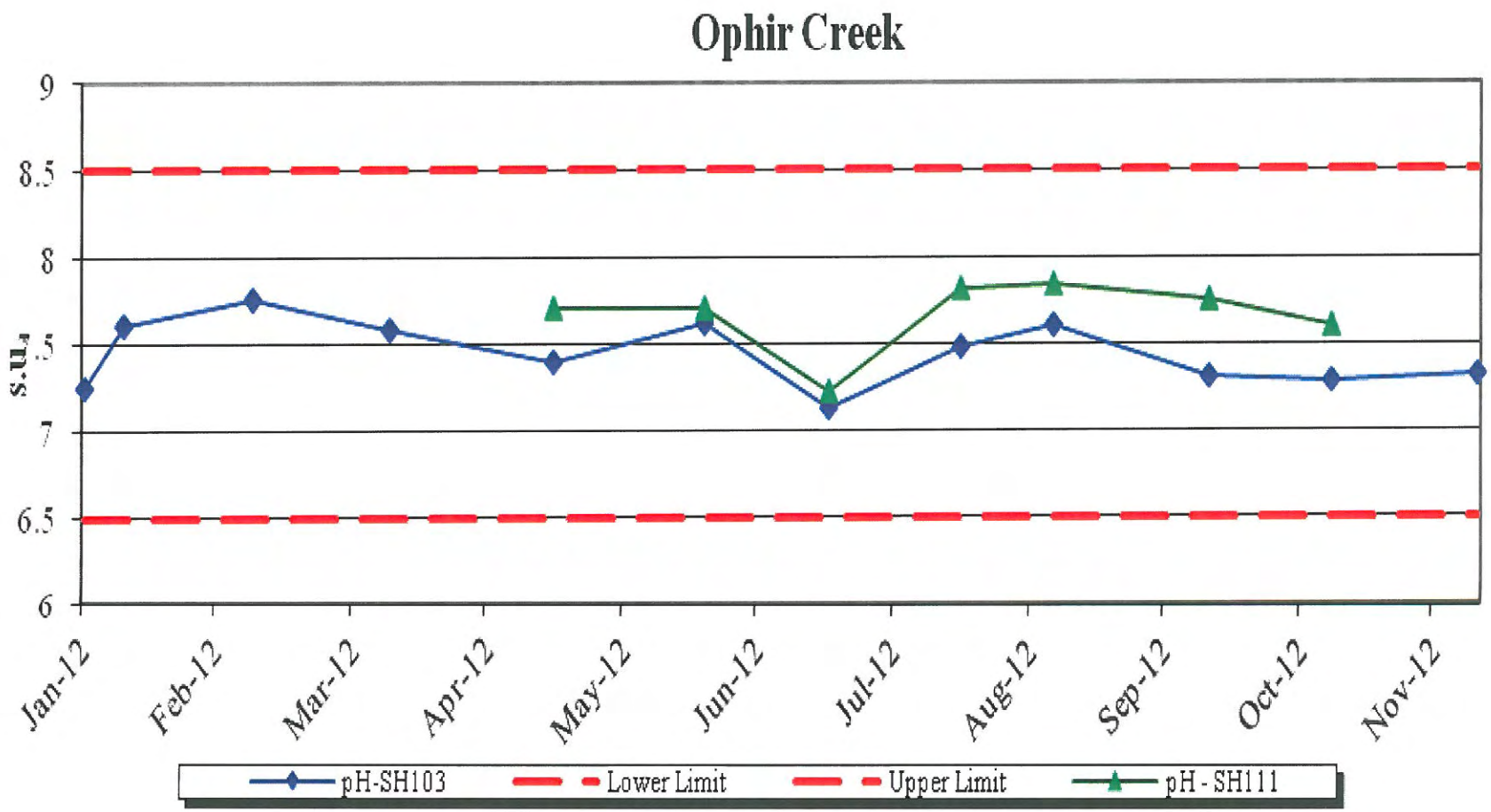


Figure 9b: Ophir Creek Monitoring Results 2012, Major Chemistry

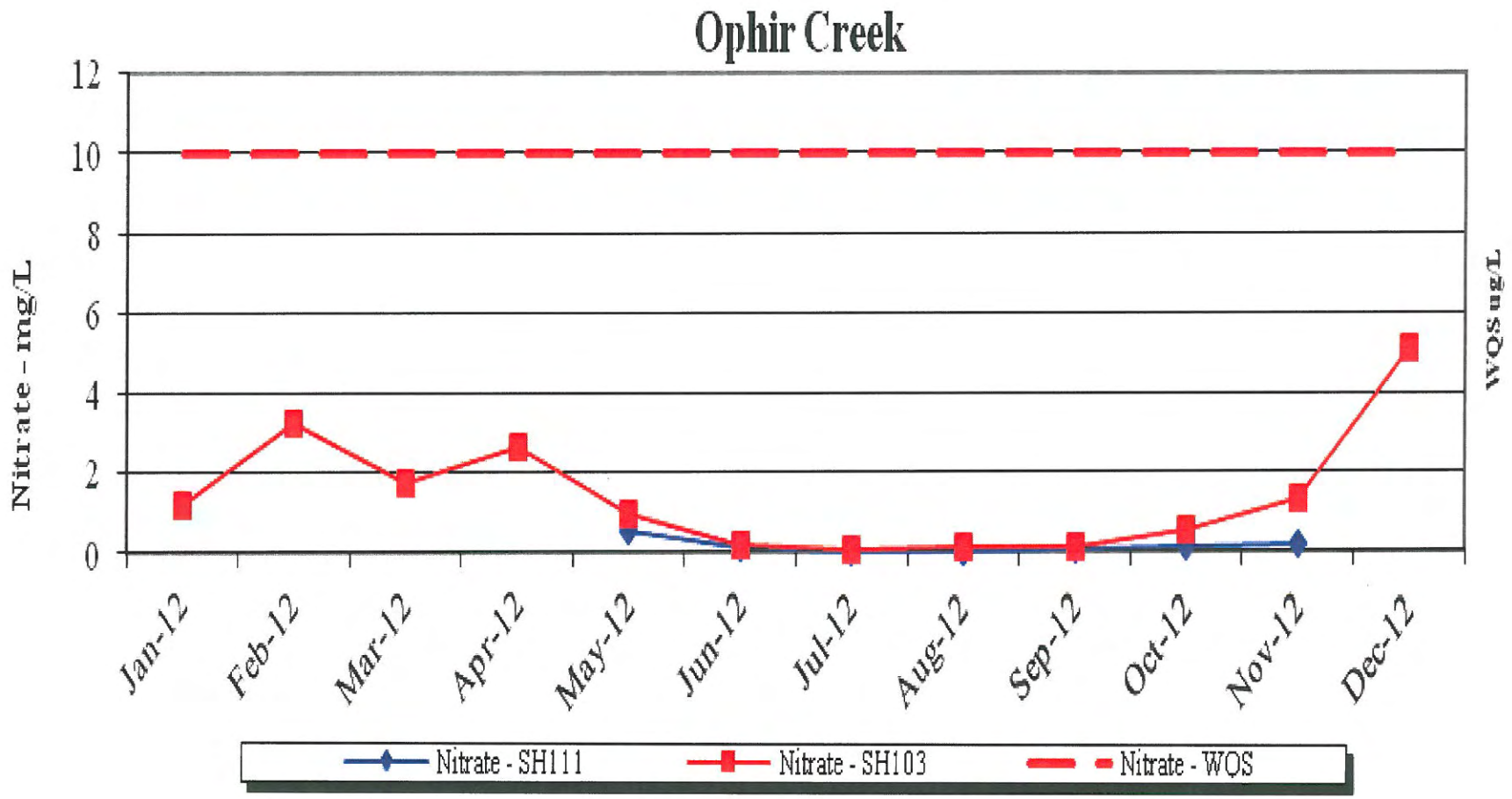
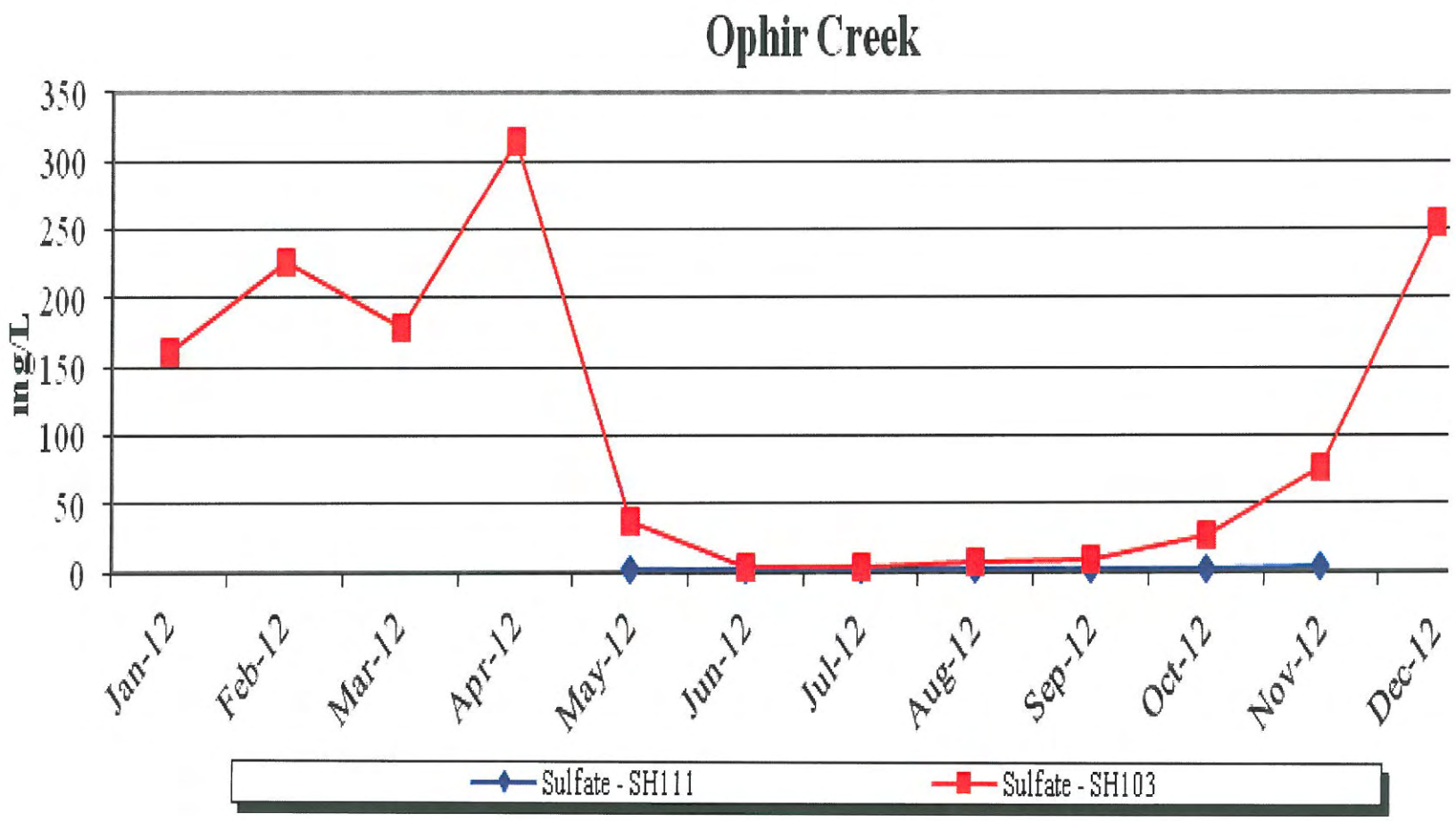


Figure 9b: Ophir Creek Monitoring Results 2012, Major Chemistry



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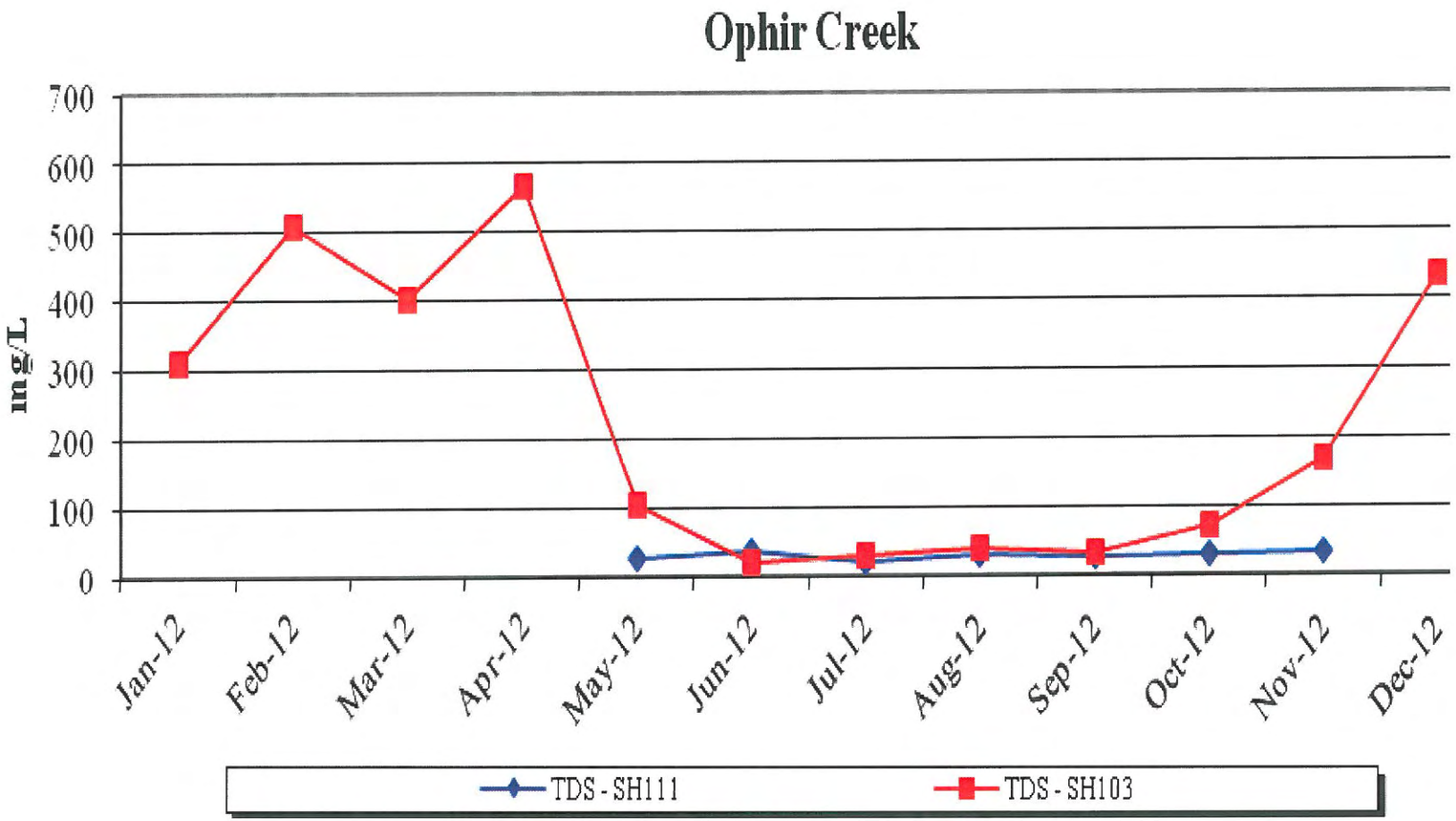

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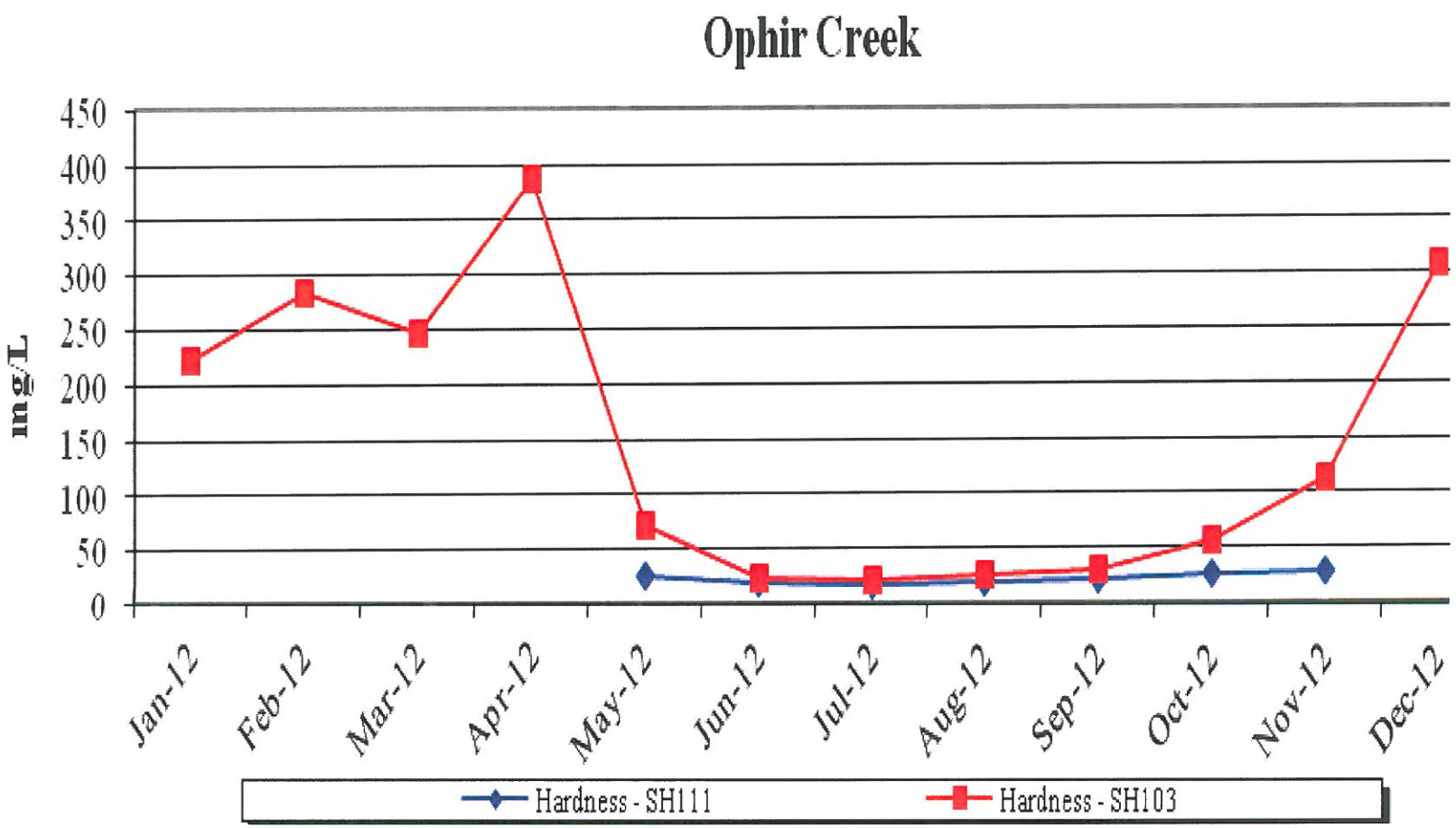

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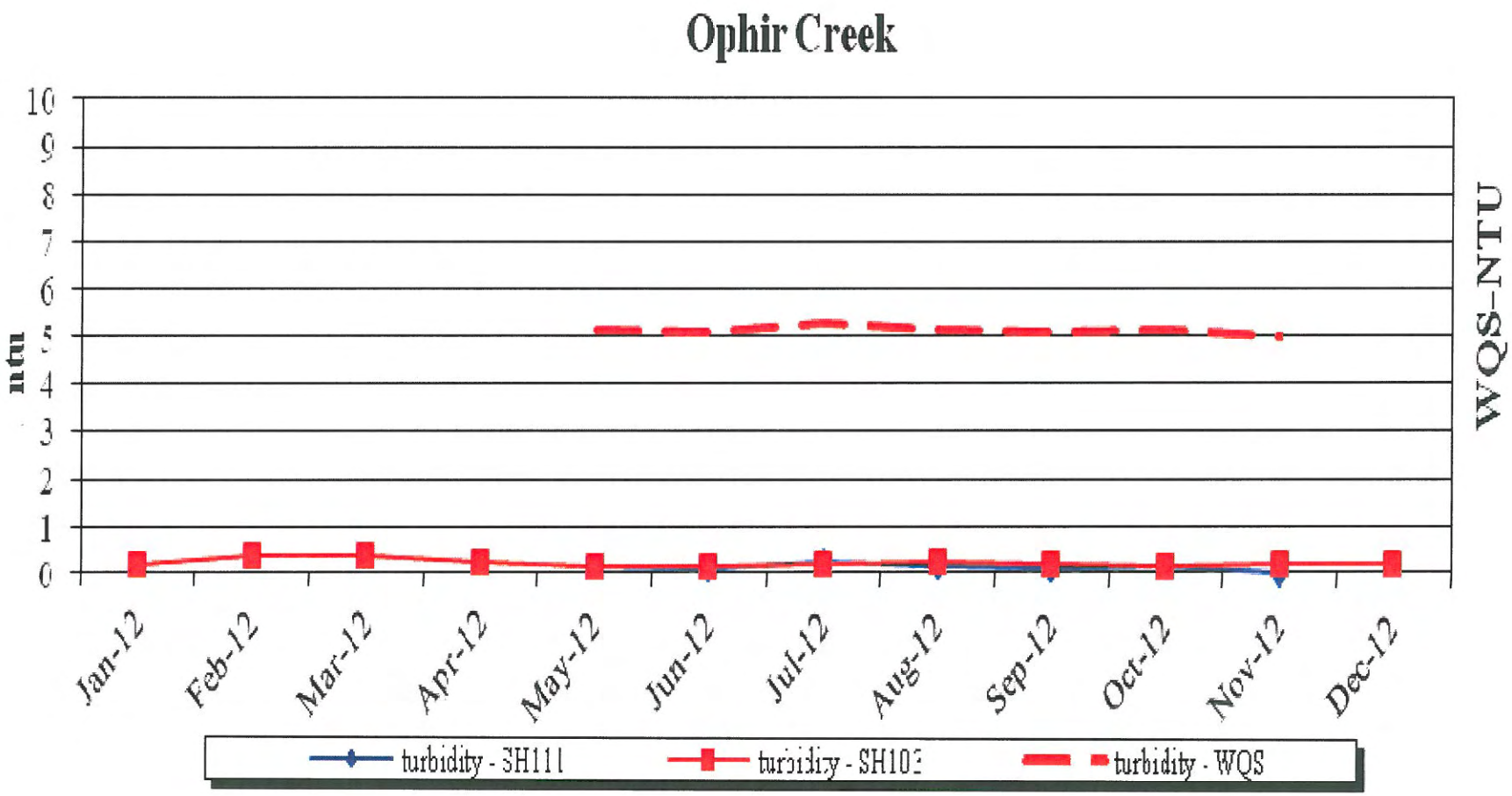

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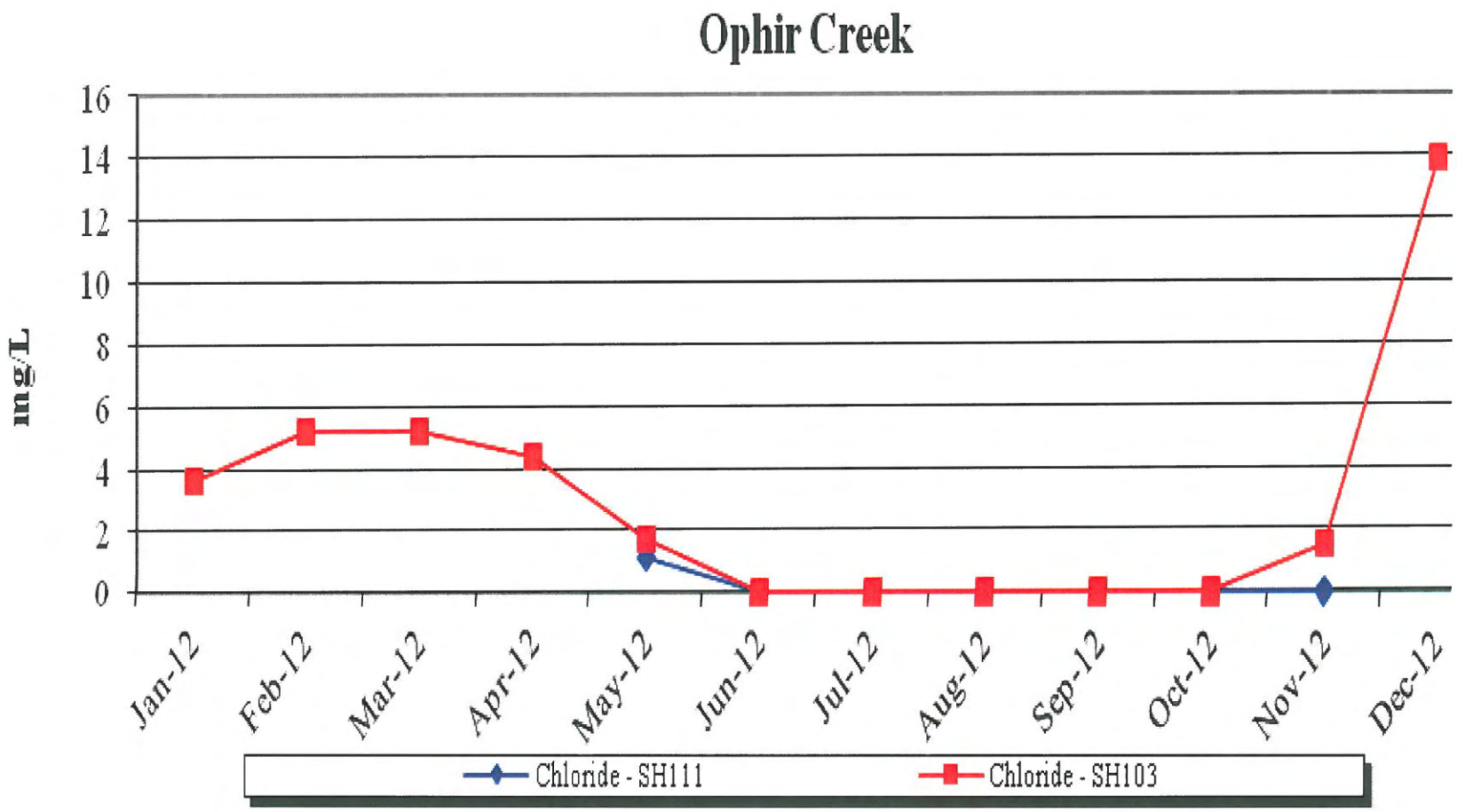

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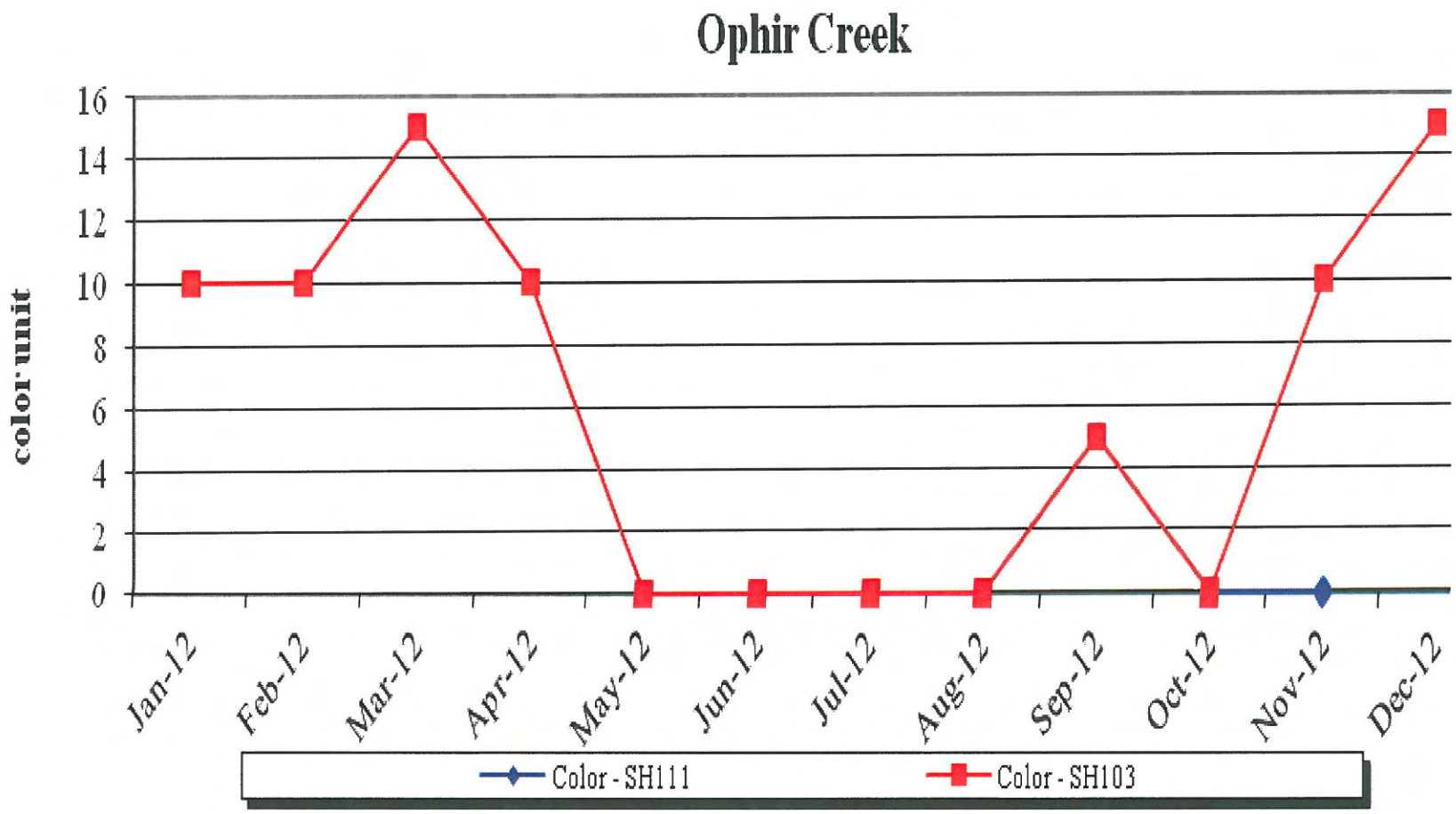


Figure 9c: Ophir Creek Monitoring Results 2012, Trace Chemistry

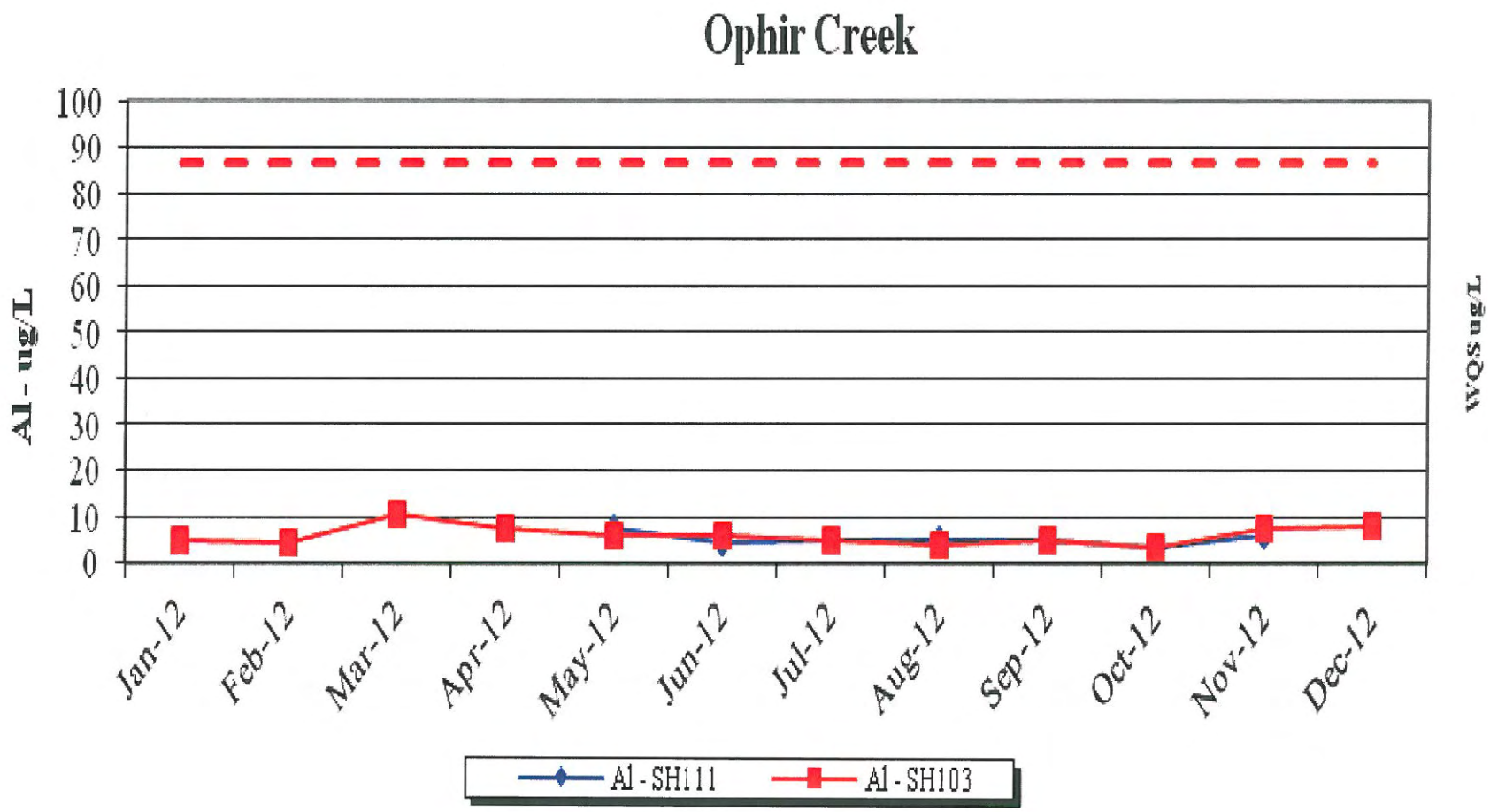
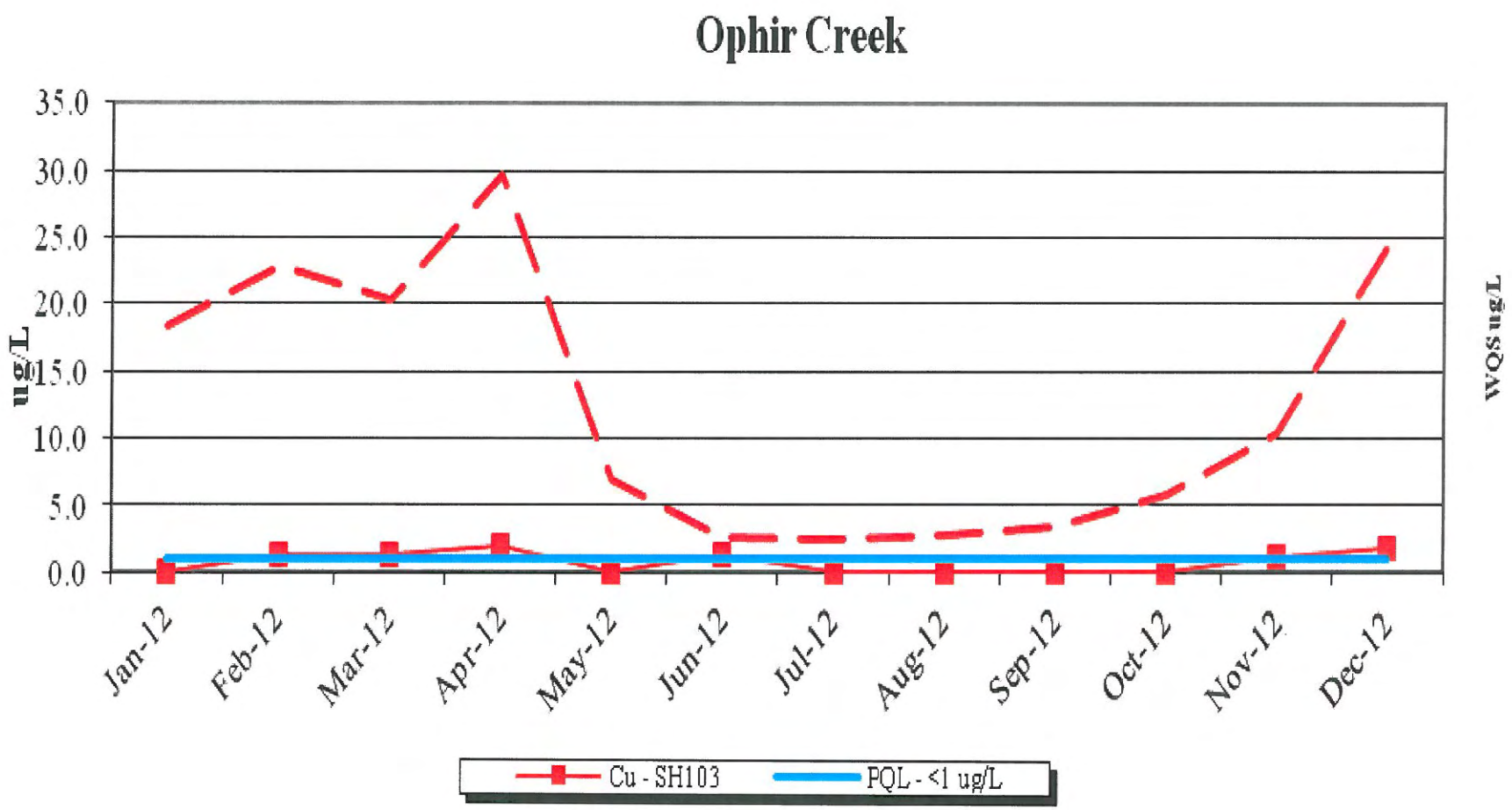


Figure 9c: Ophir Creek Monitoring Results 2012, Trace Chemistry



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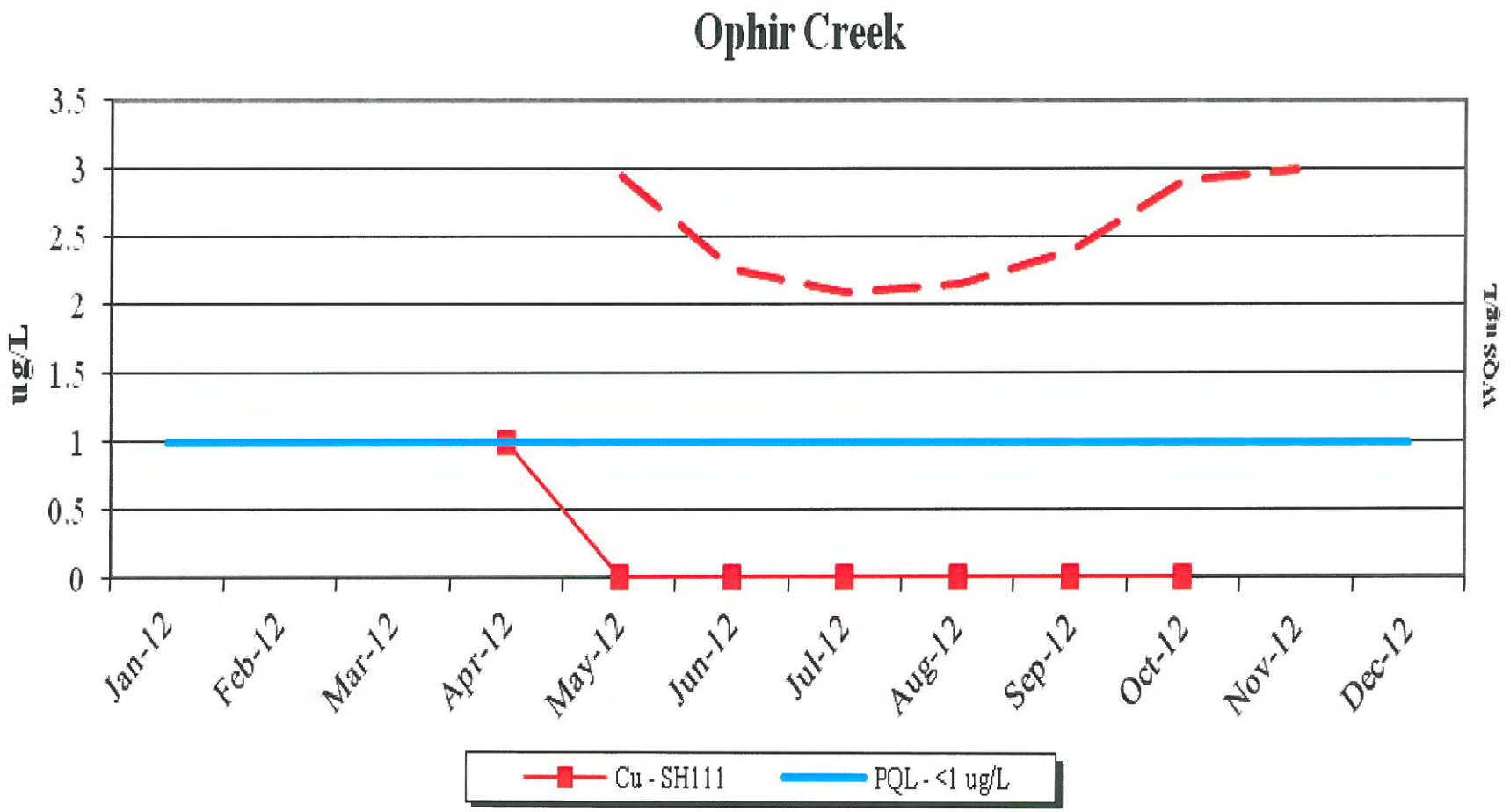

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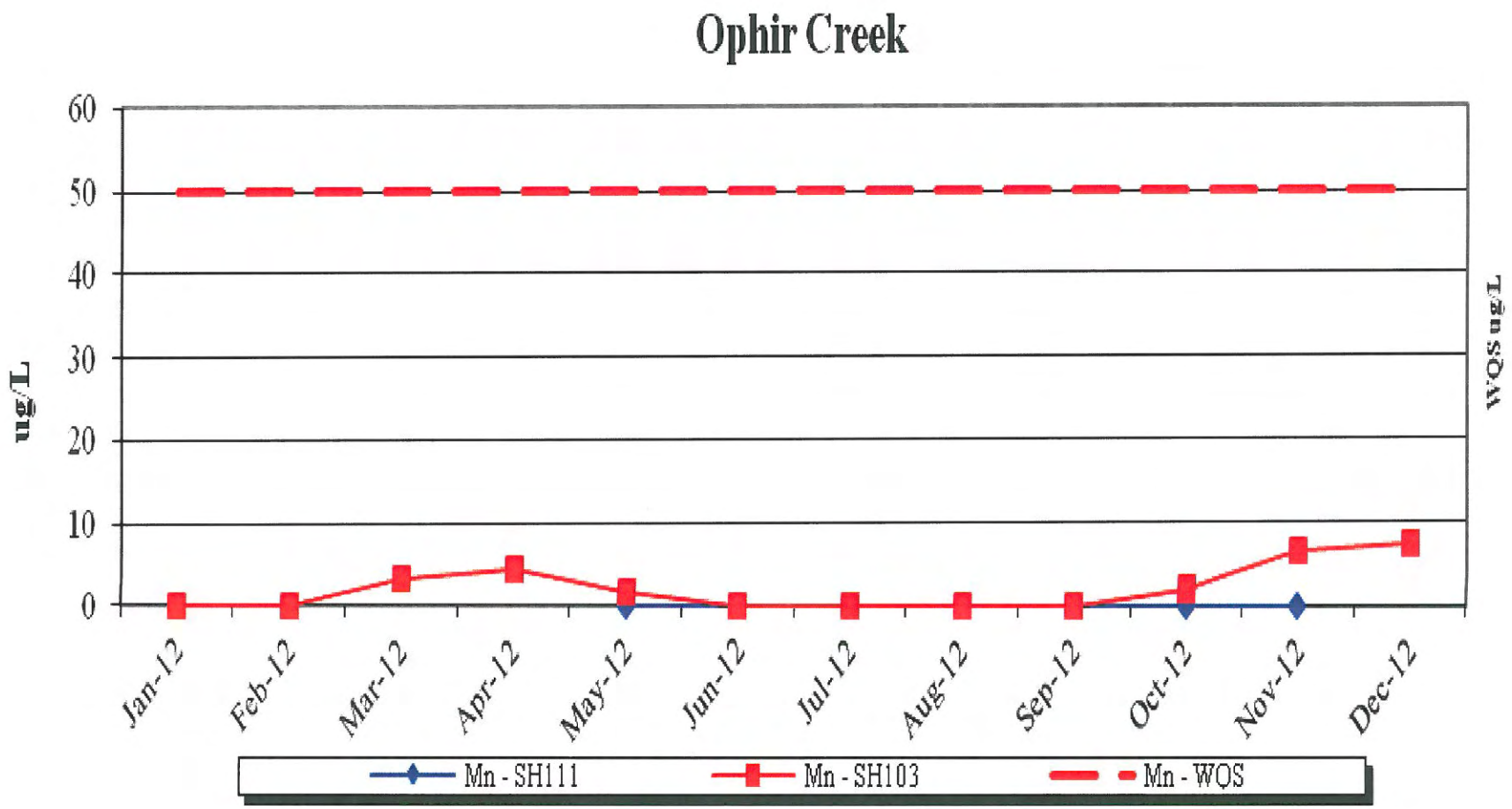

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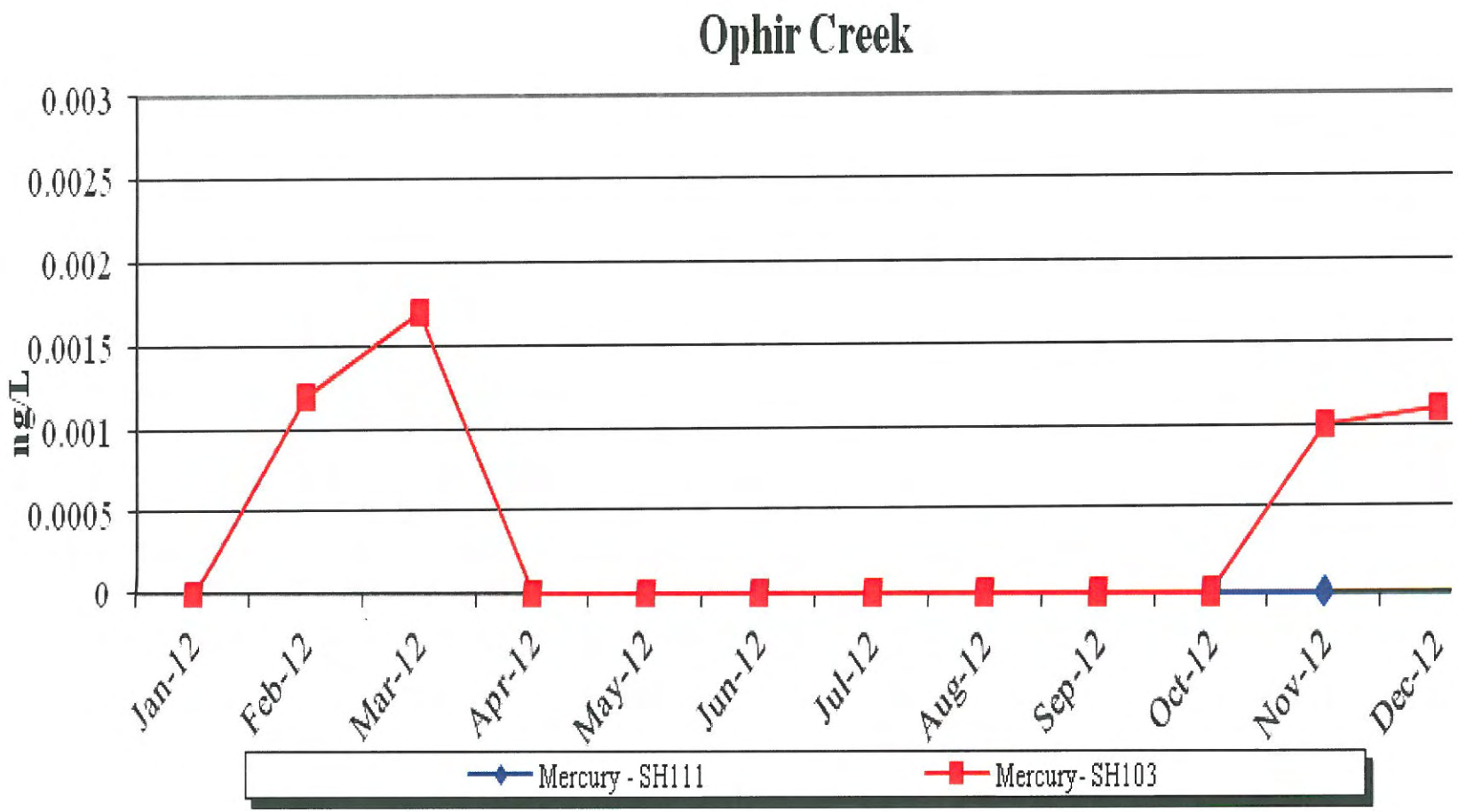
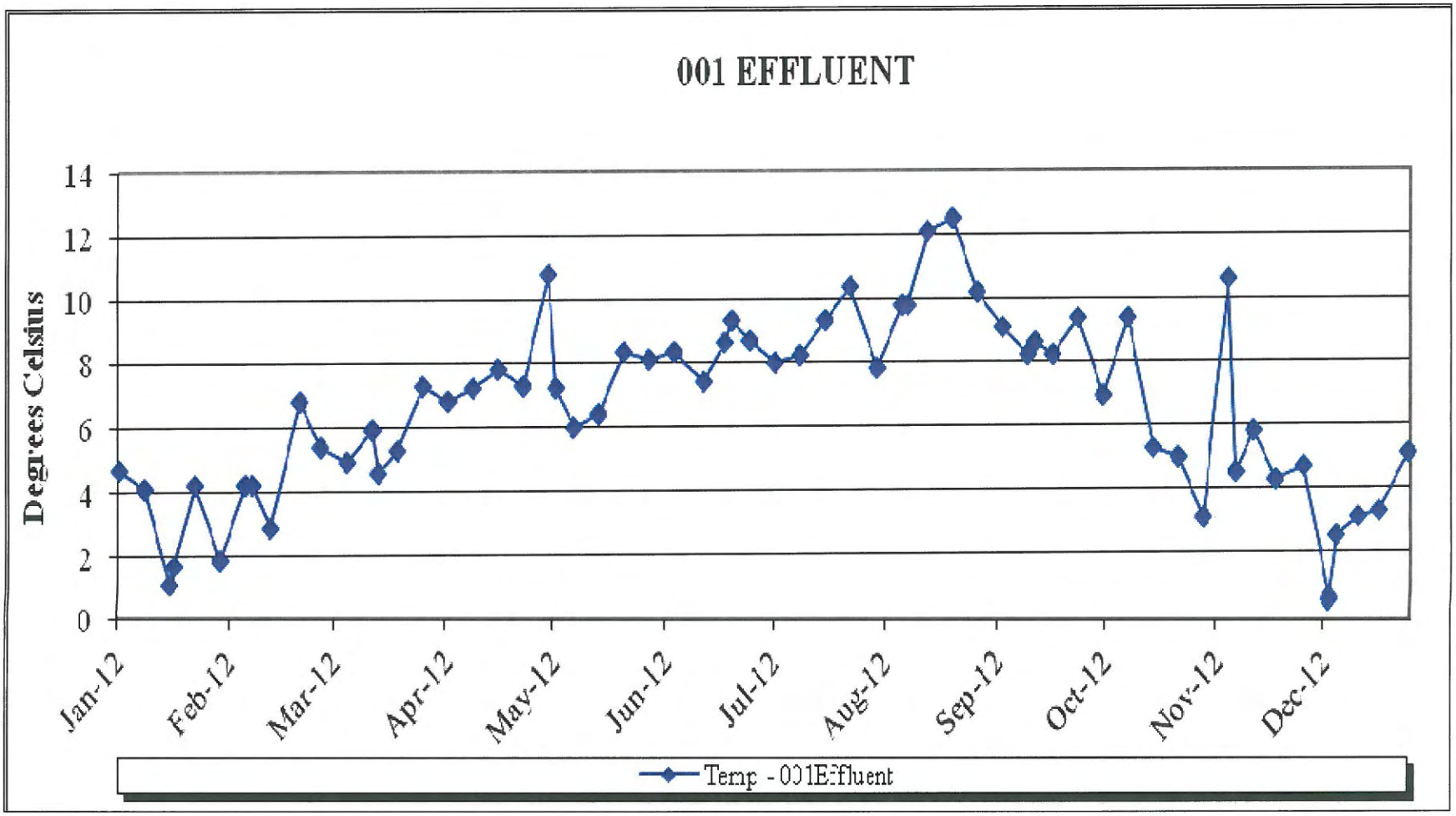


Figure 10a: Outfall 001 Effluent Monitoring Results 2012, Field Parameters



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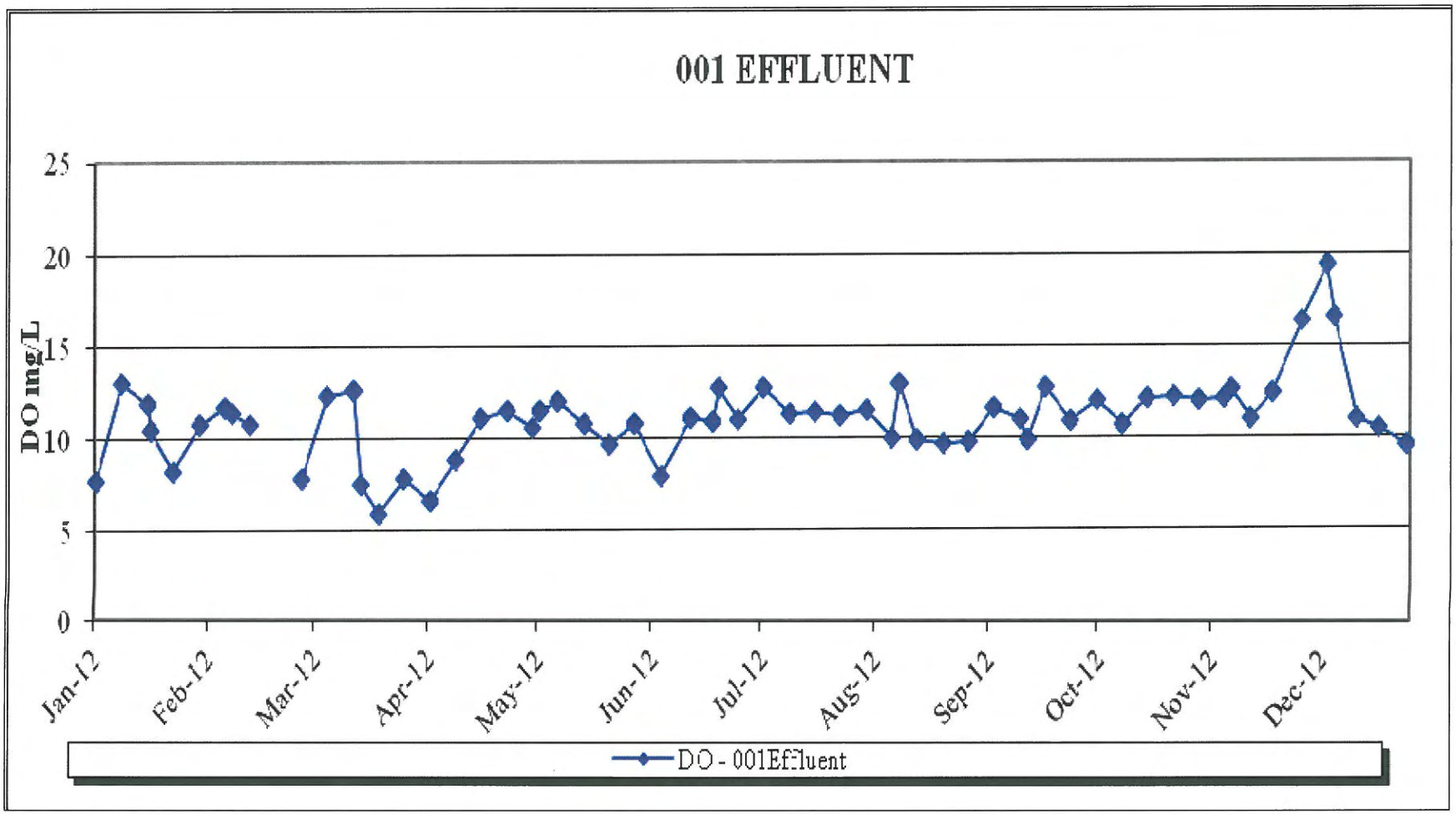
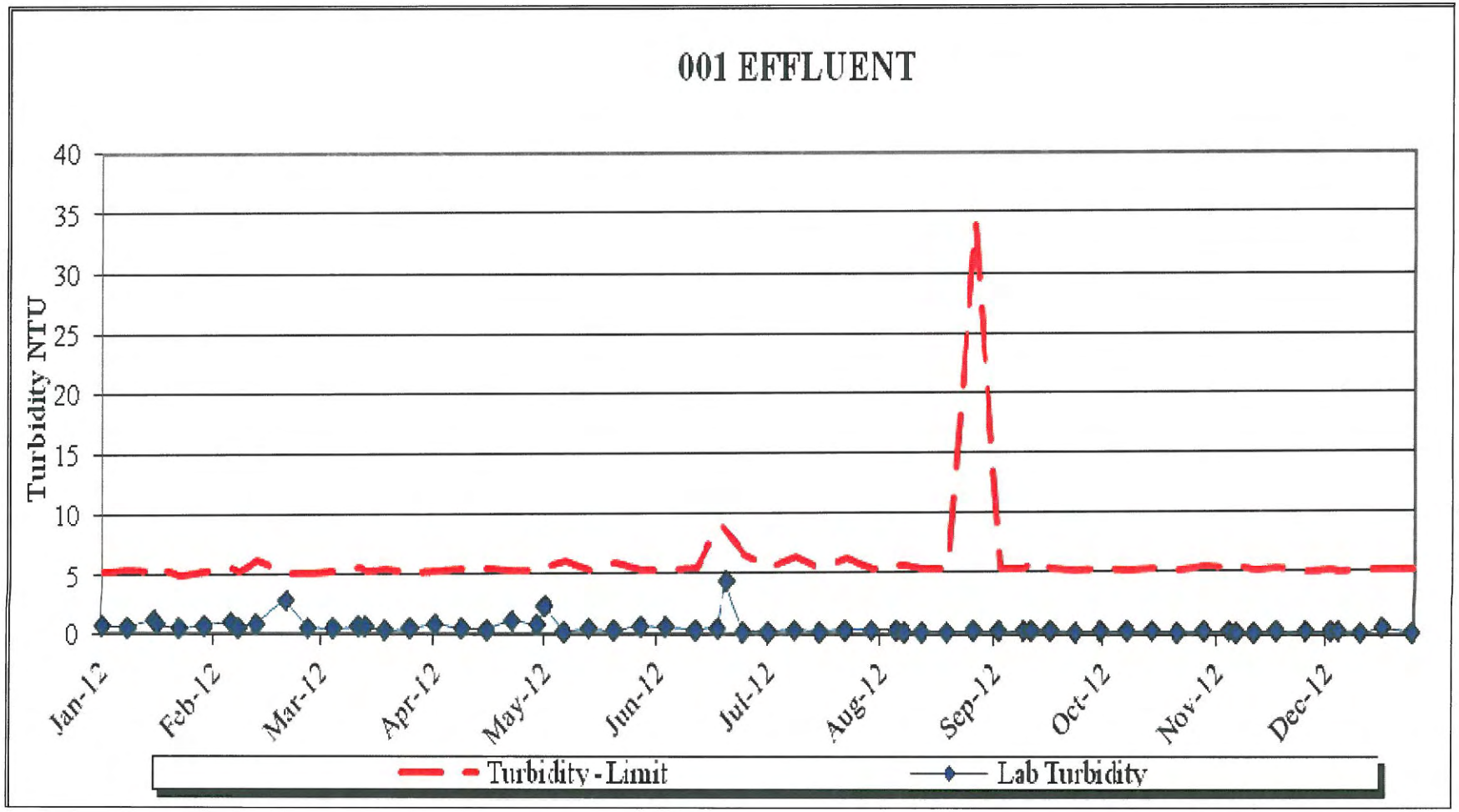


Figure 10b: Outfall 001 Effluent Monitoring Results 2012, Major Chemistry



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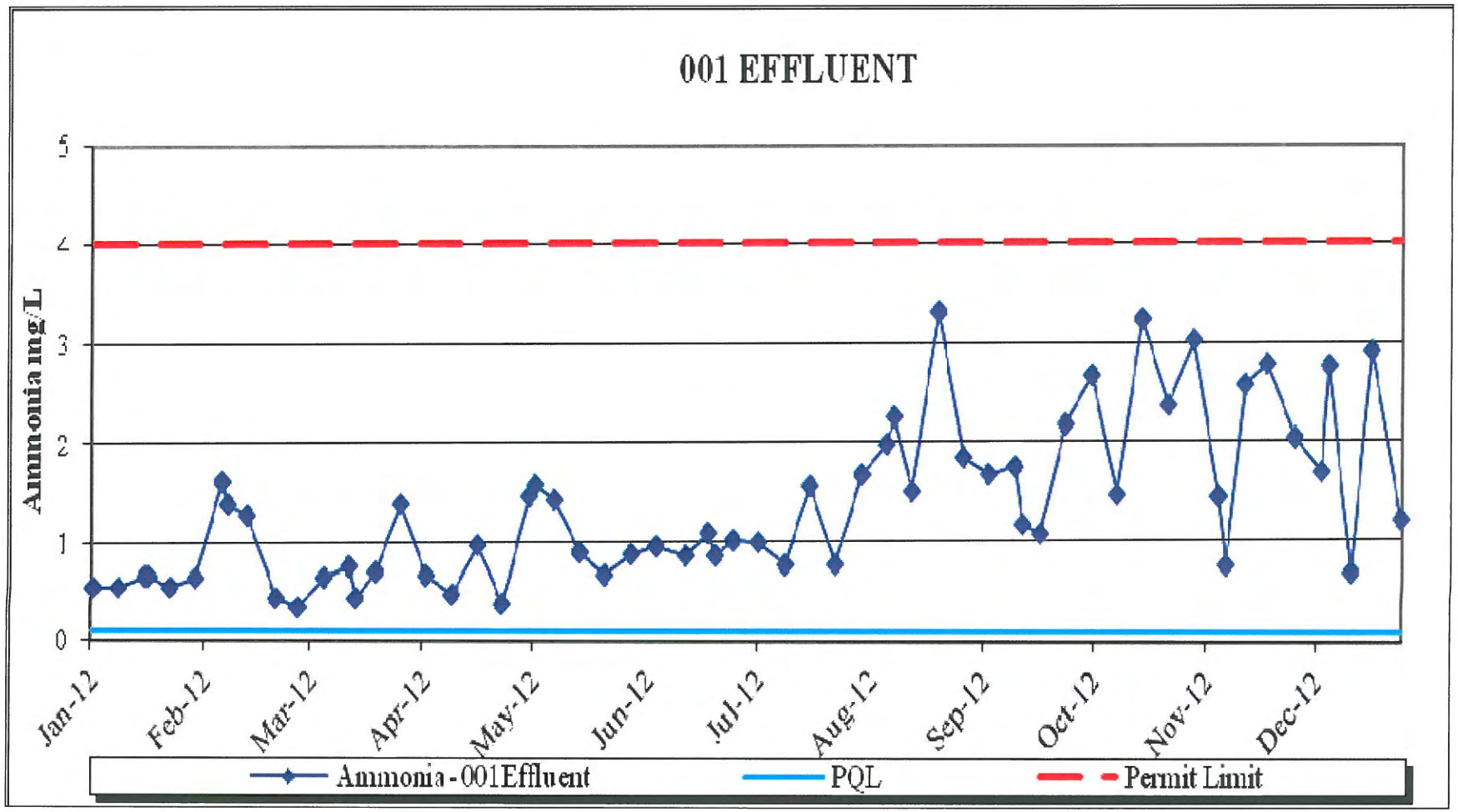

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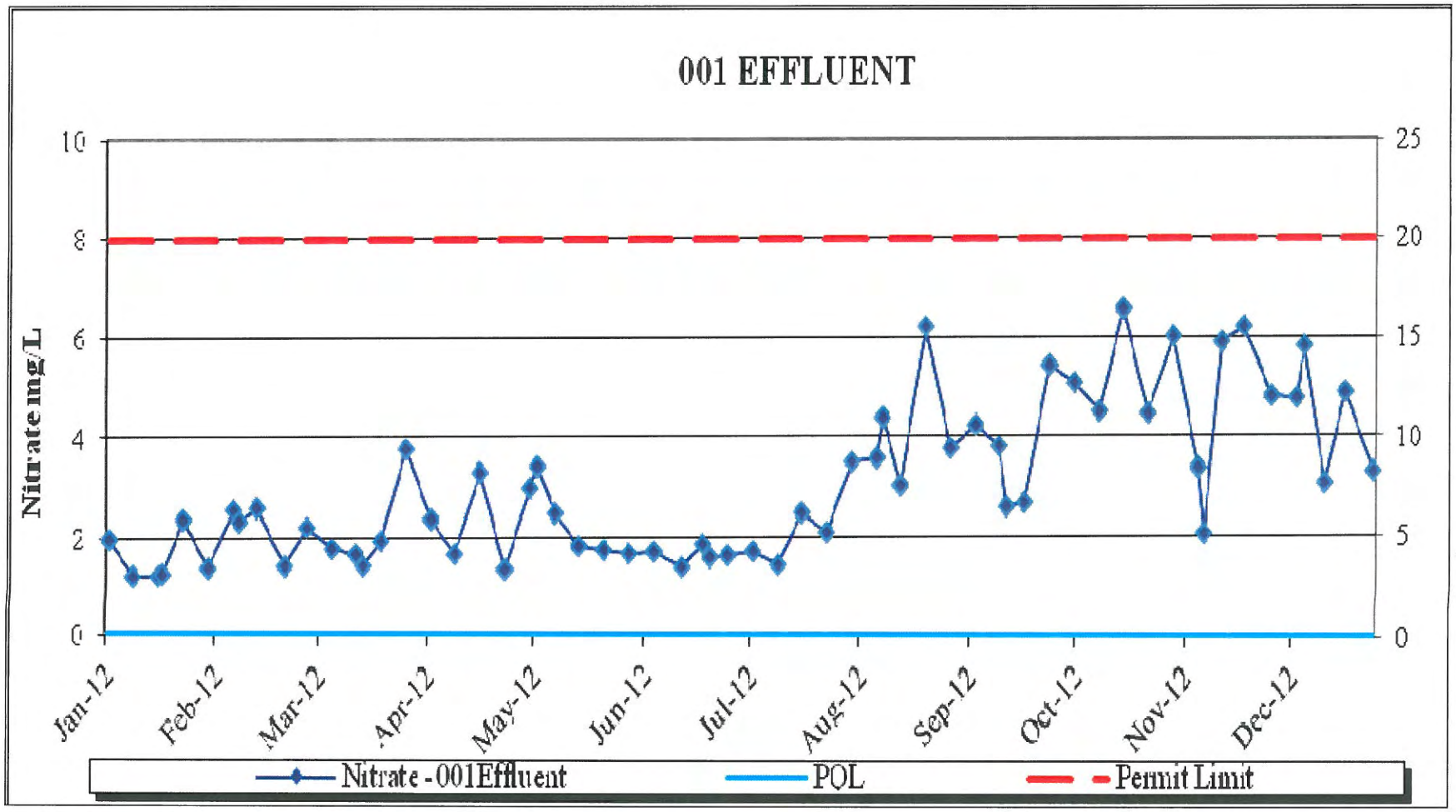

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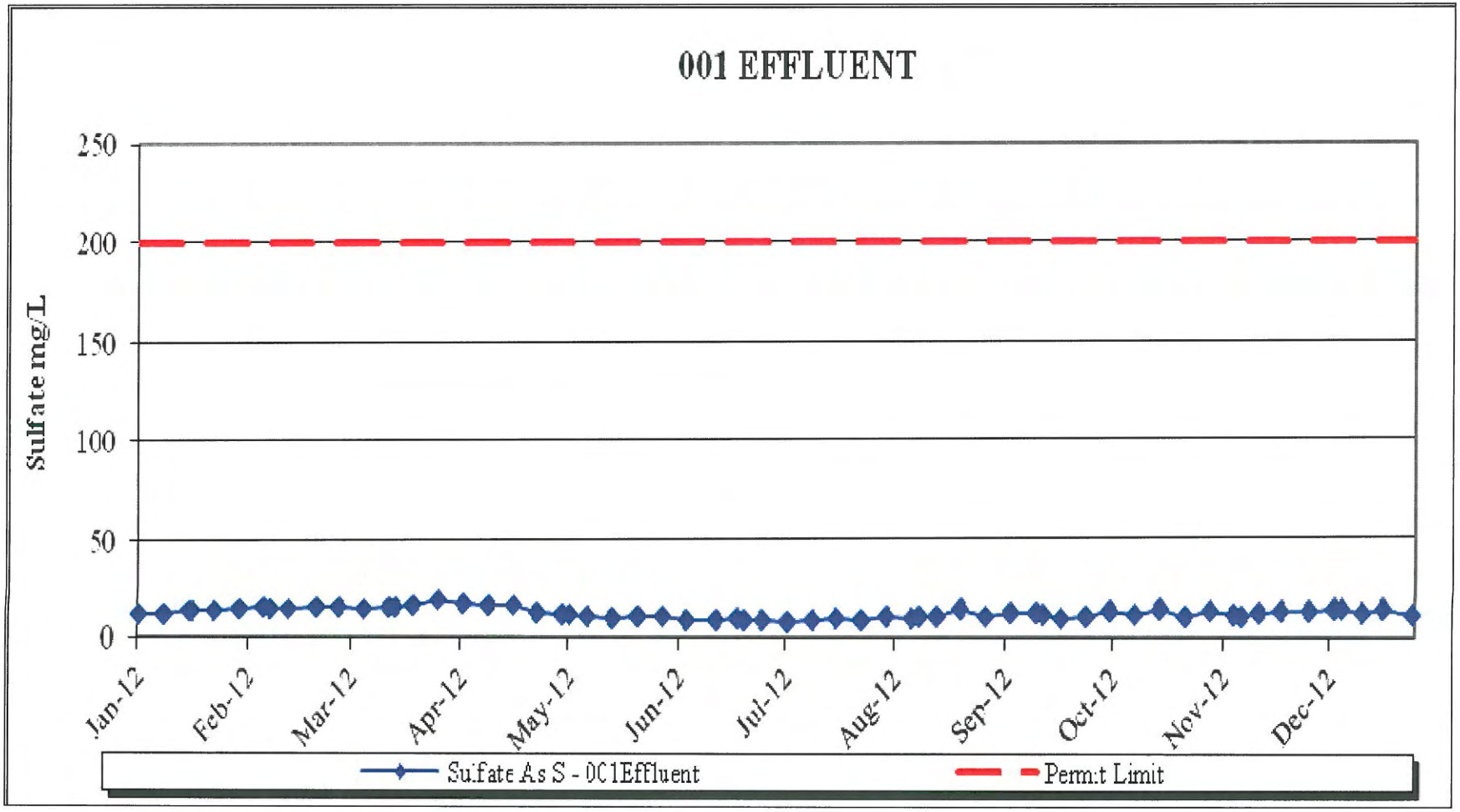

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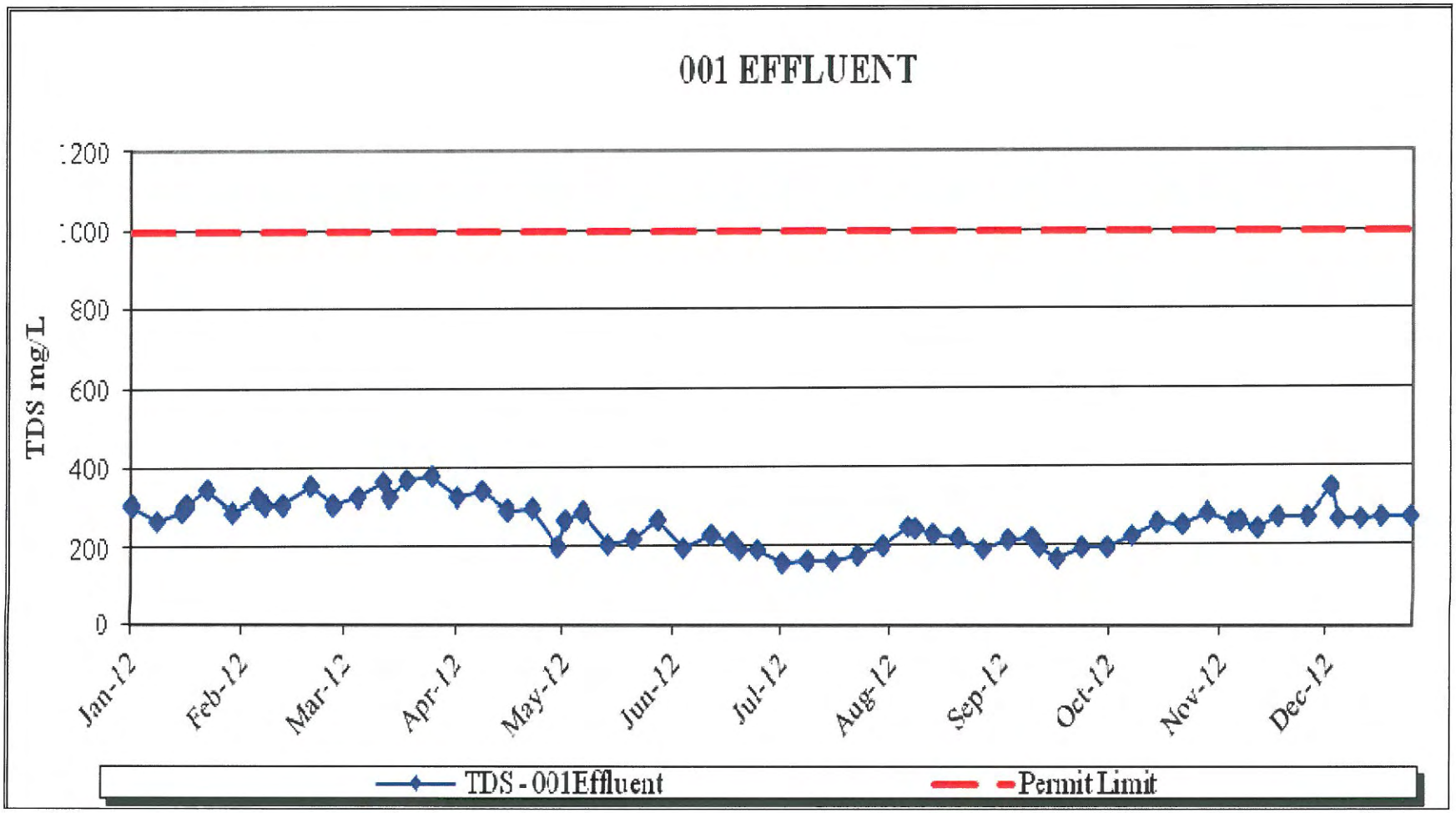
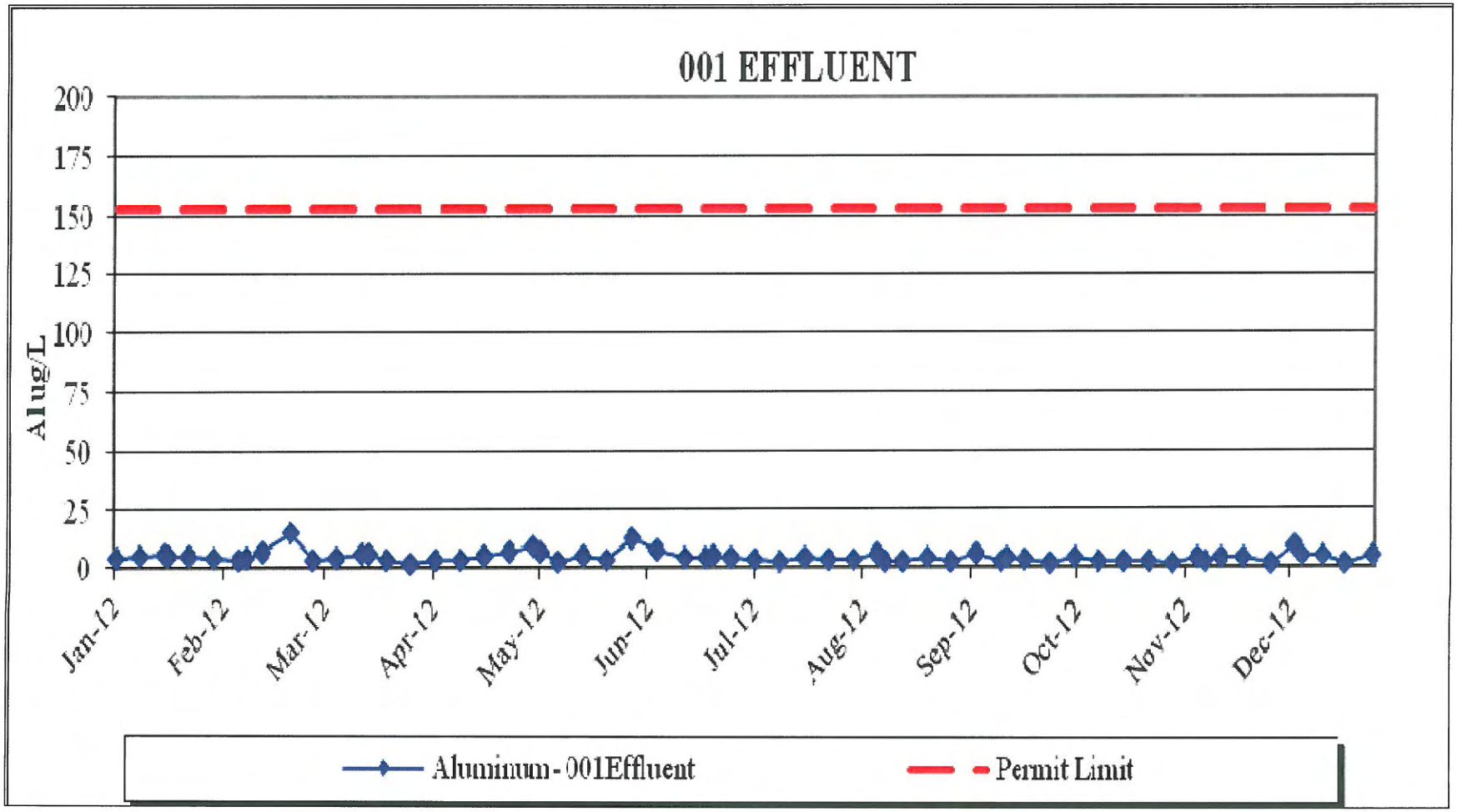


Figure 10c: Outfall 001 Effluent Monitoring Results 2012, Trace Chemistry



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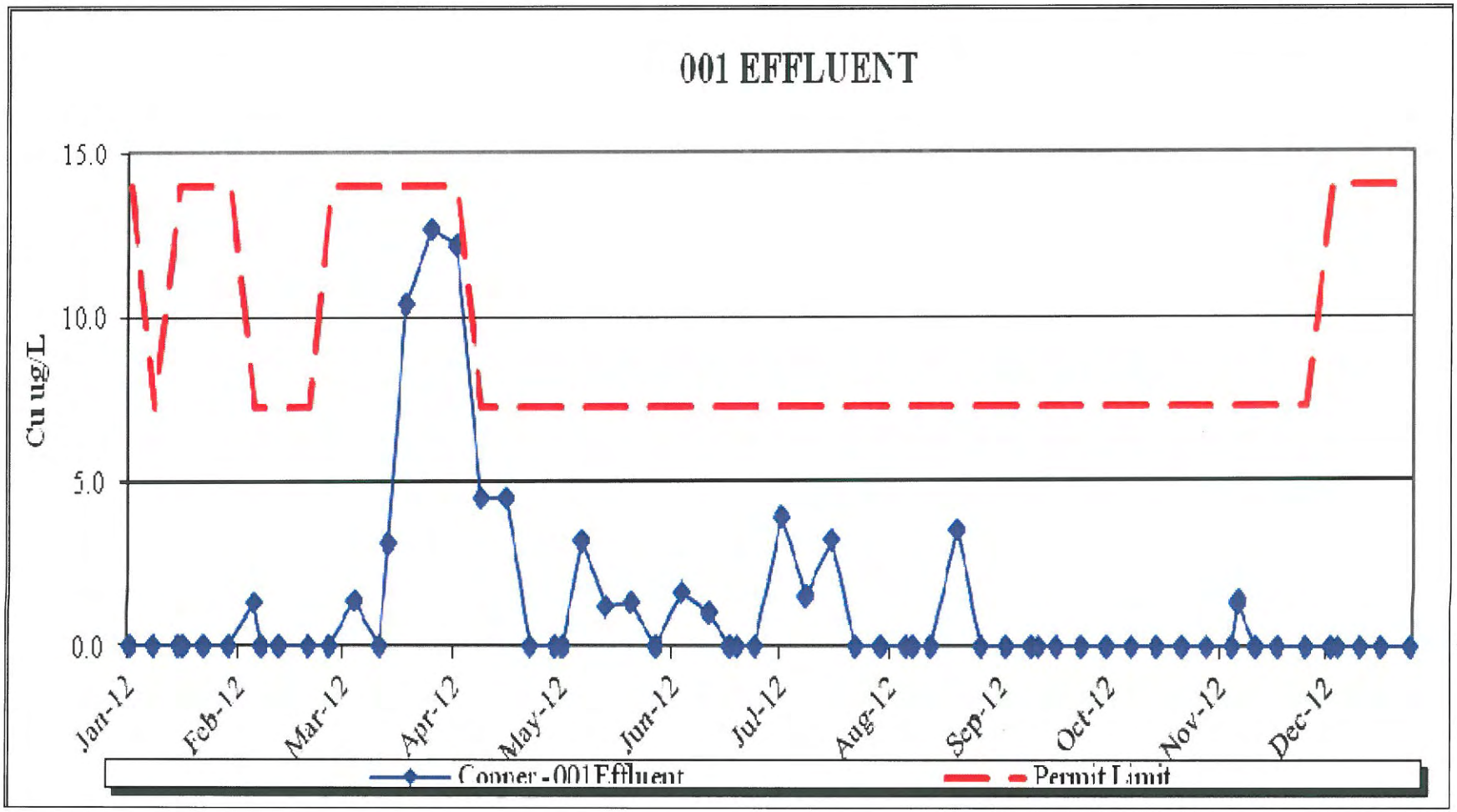

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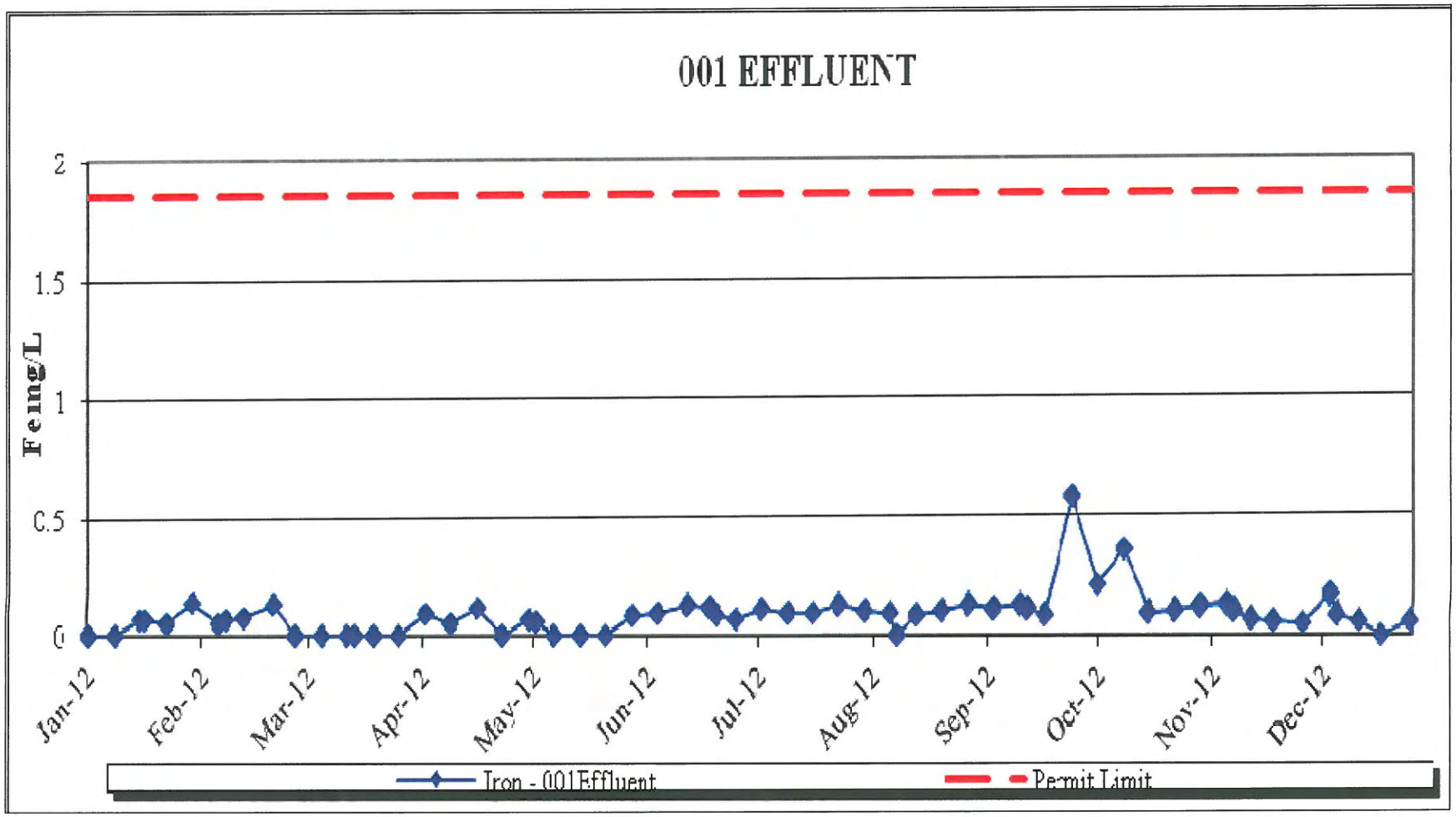

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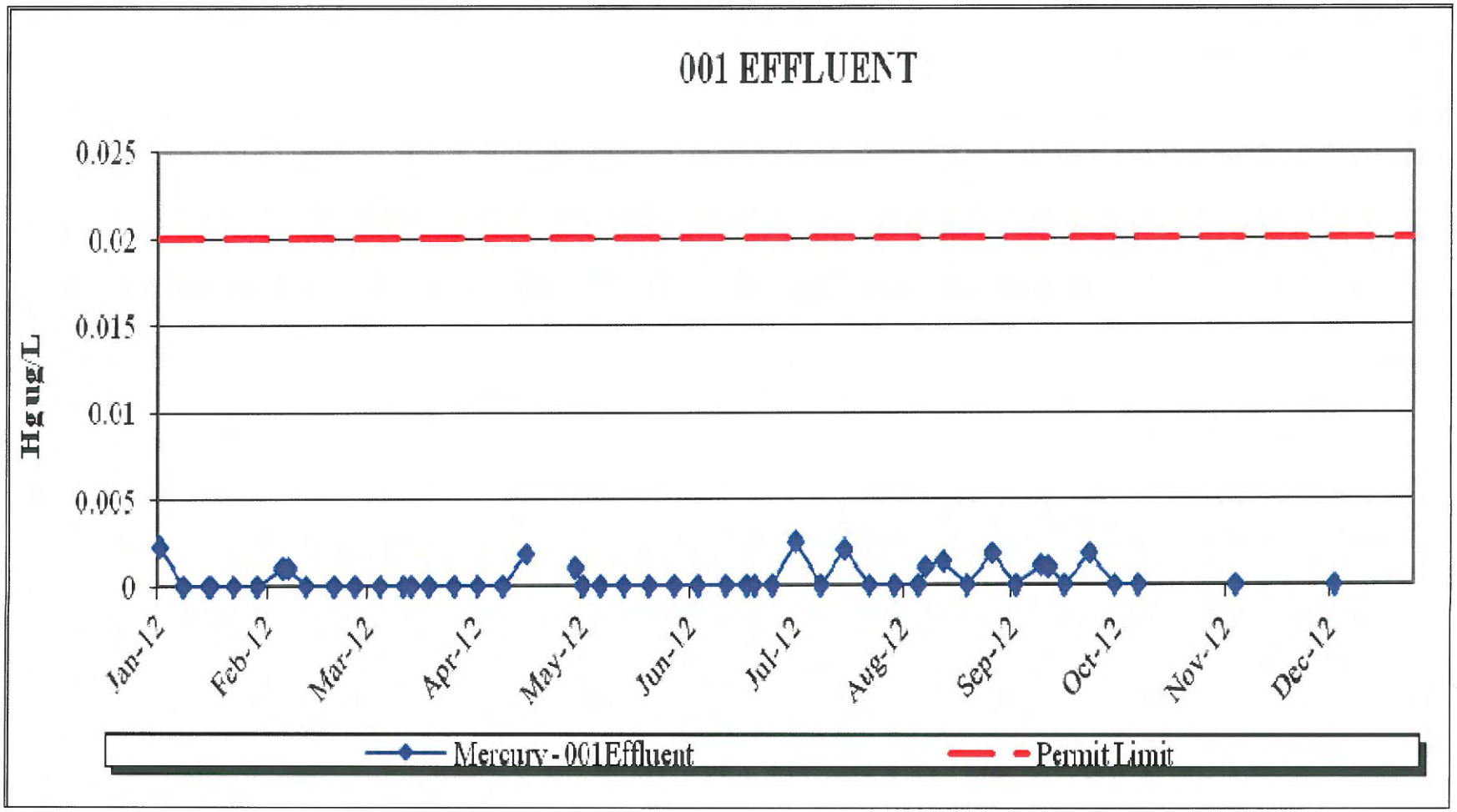

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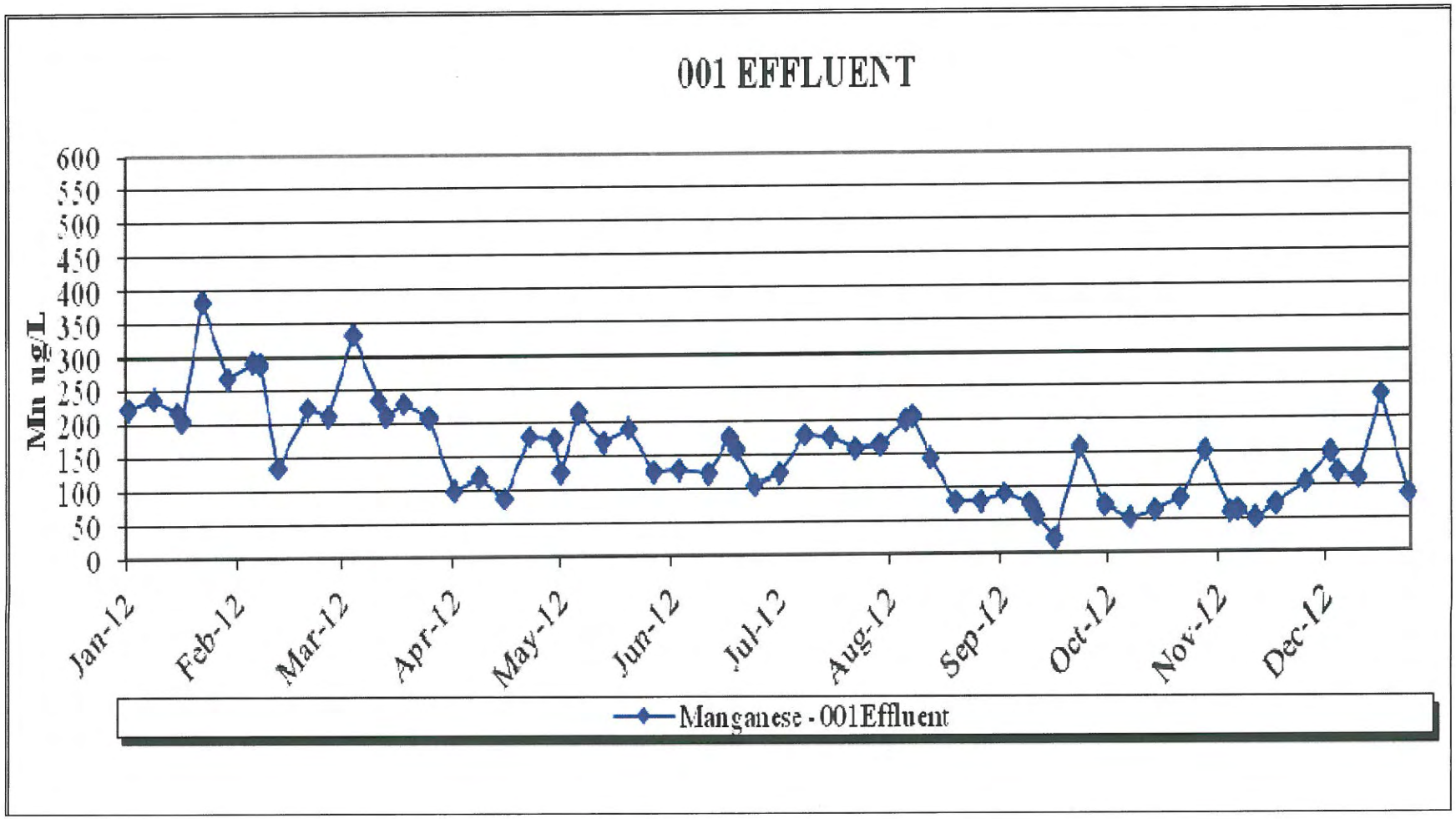

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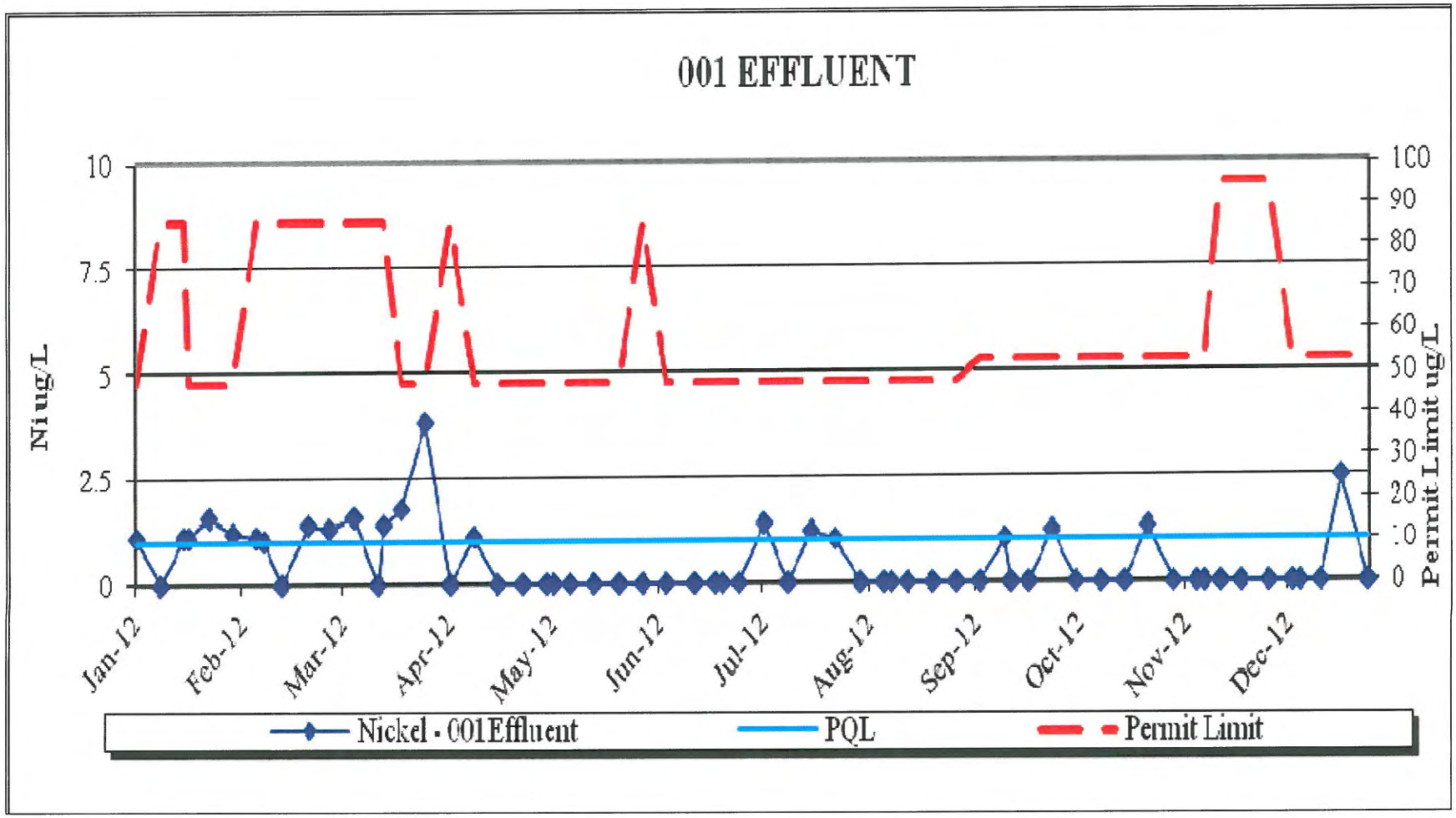

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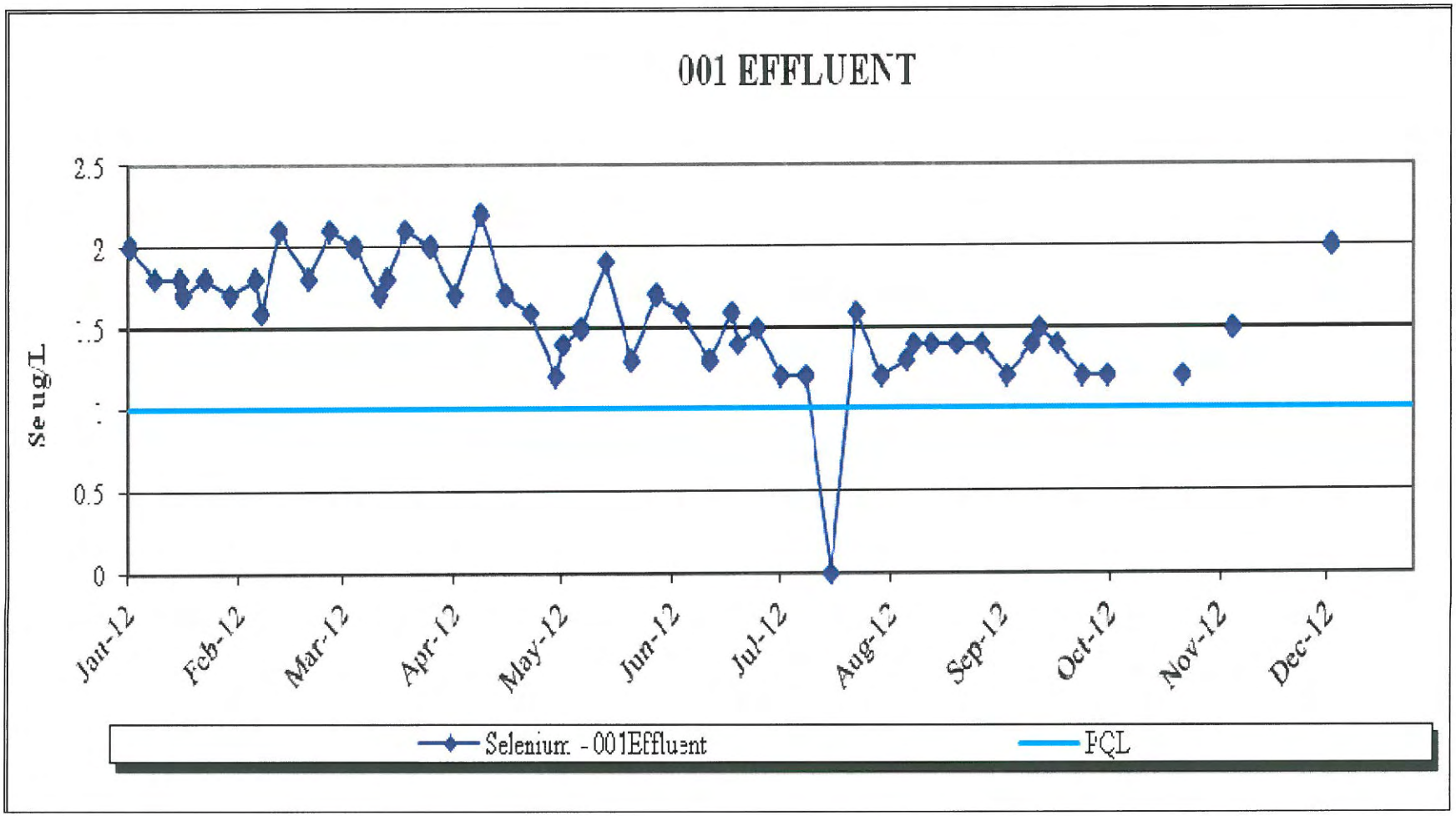

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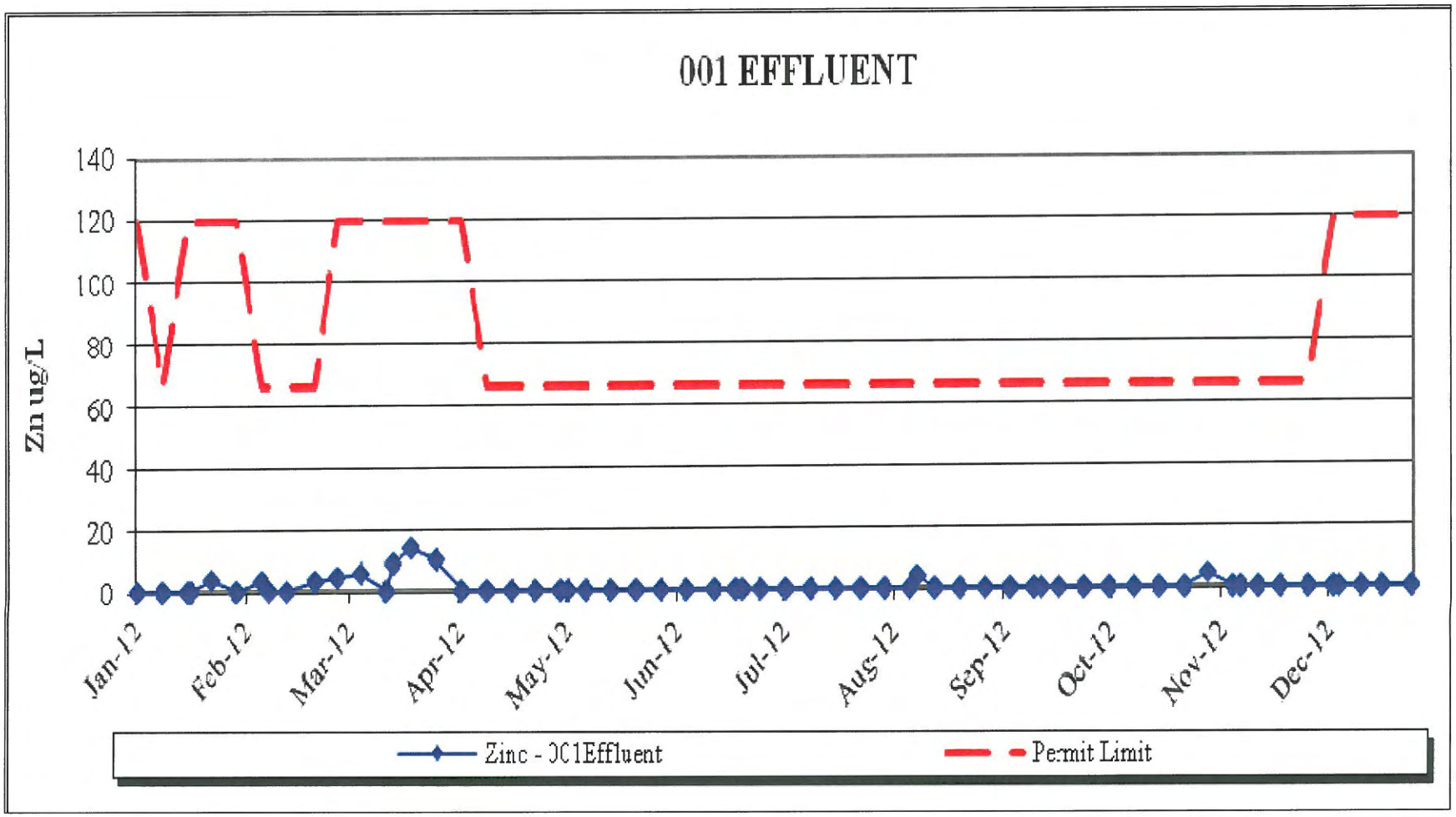

Figure 10c: Outfall 001 Effluent Monitoring Results 2012, Trace Chemistry

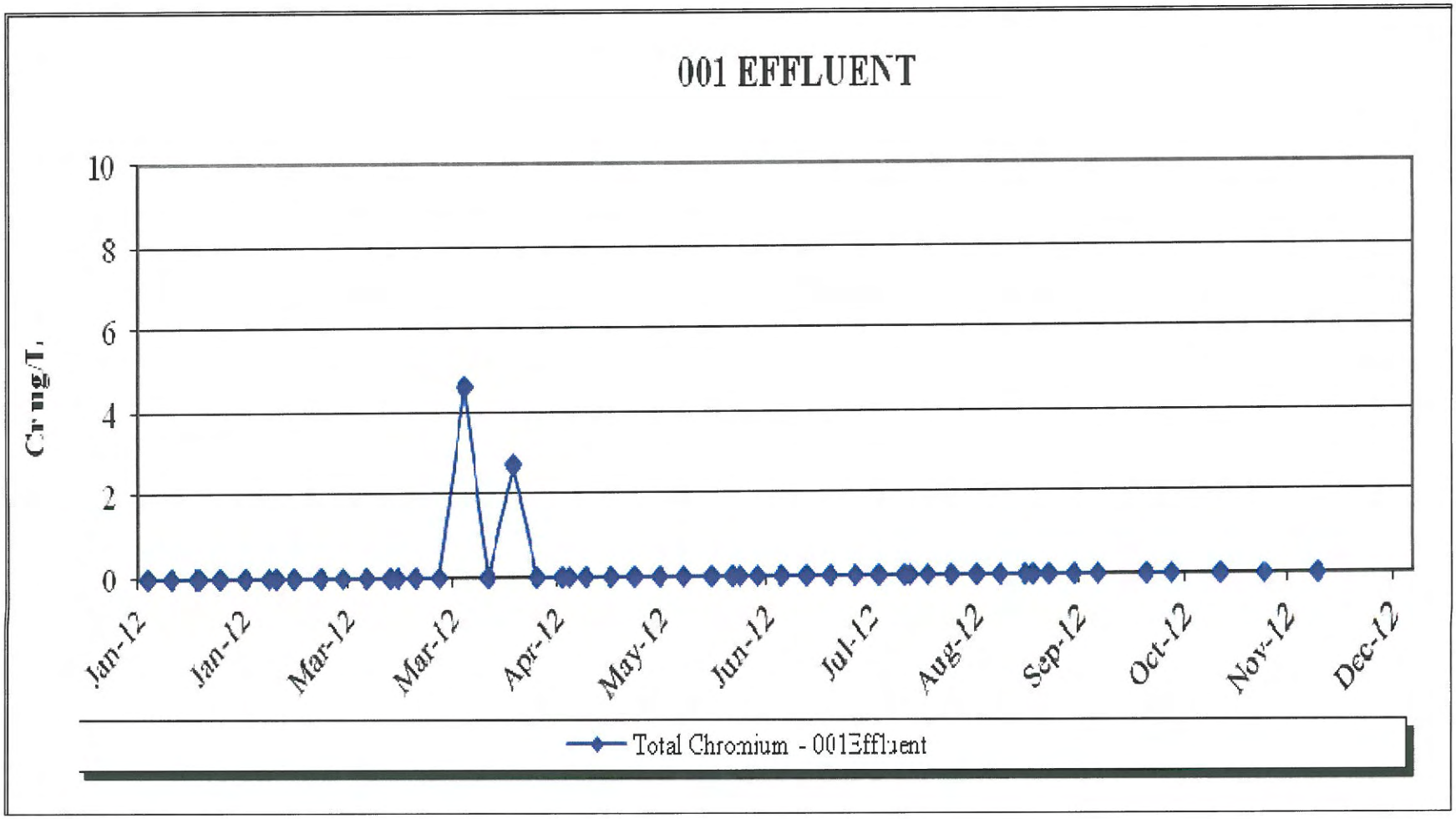

Figure 10d: Outfall 001 Effluent Monitoring Results 2012, Other Parameters

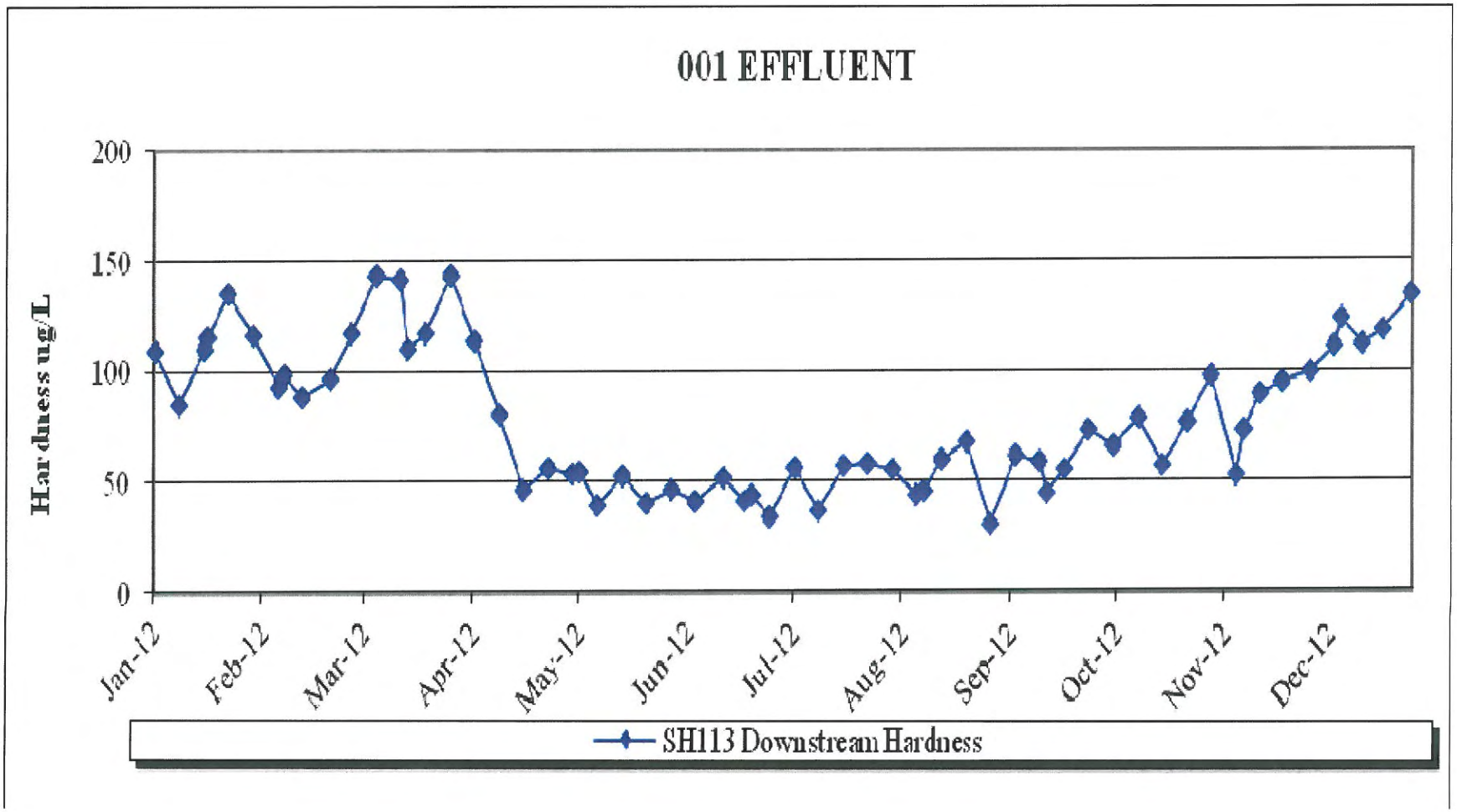

Figure 10d: Outfall 001 Effluent Monitoring Results 2012, Other Parameters

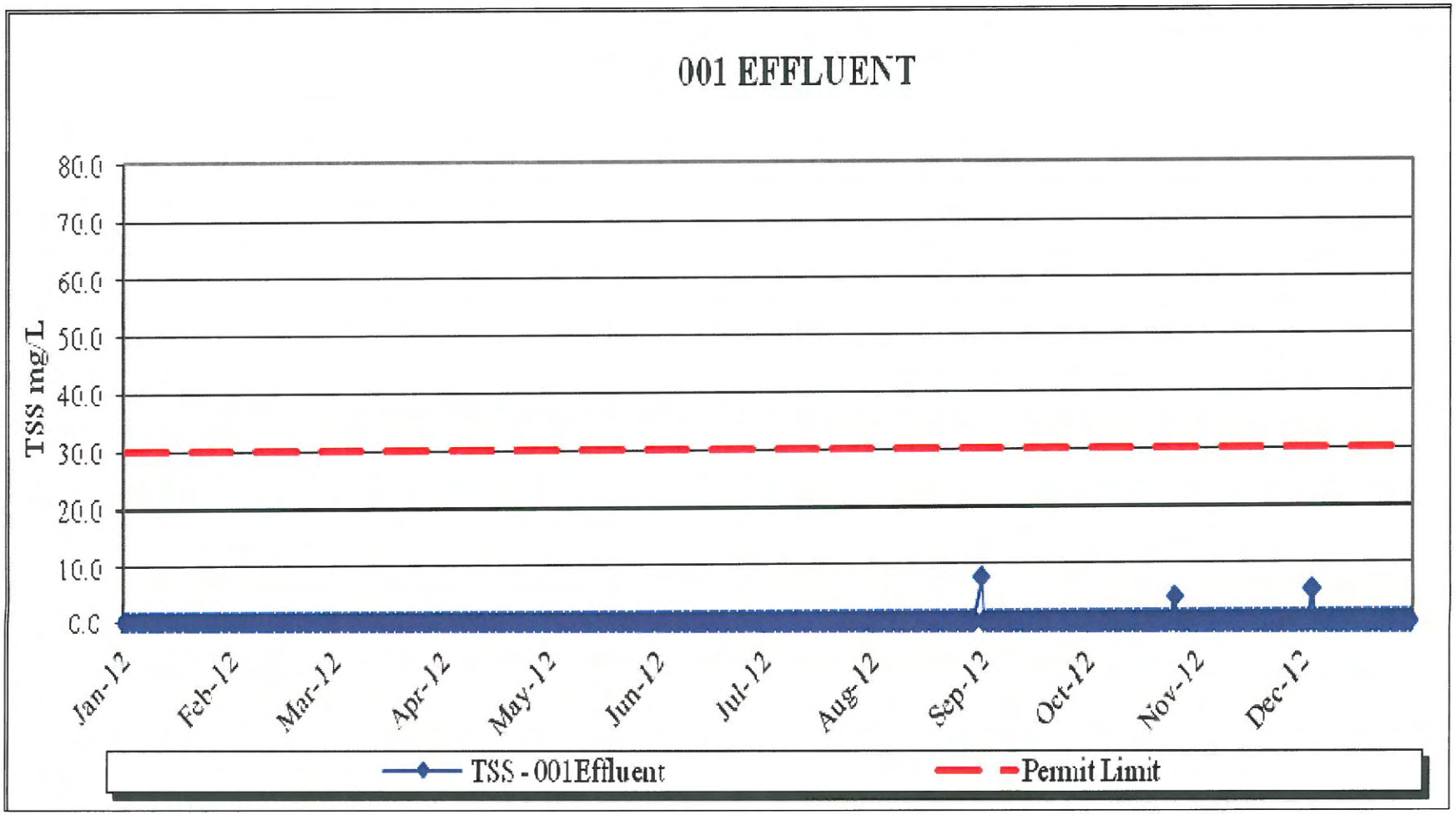

Figure 10d: Outfall 001 Effluent Monitoring Results 2012, Other Parameters

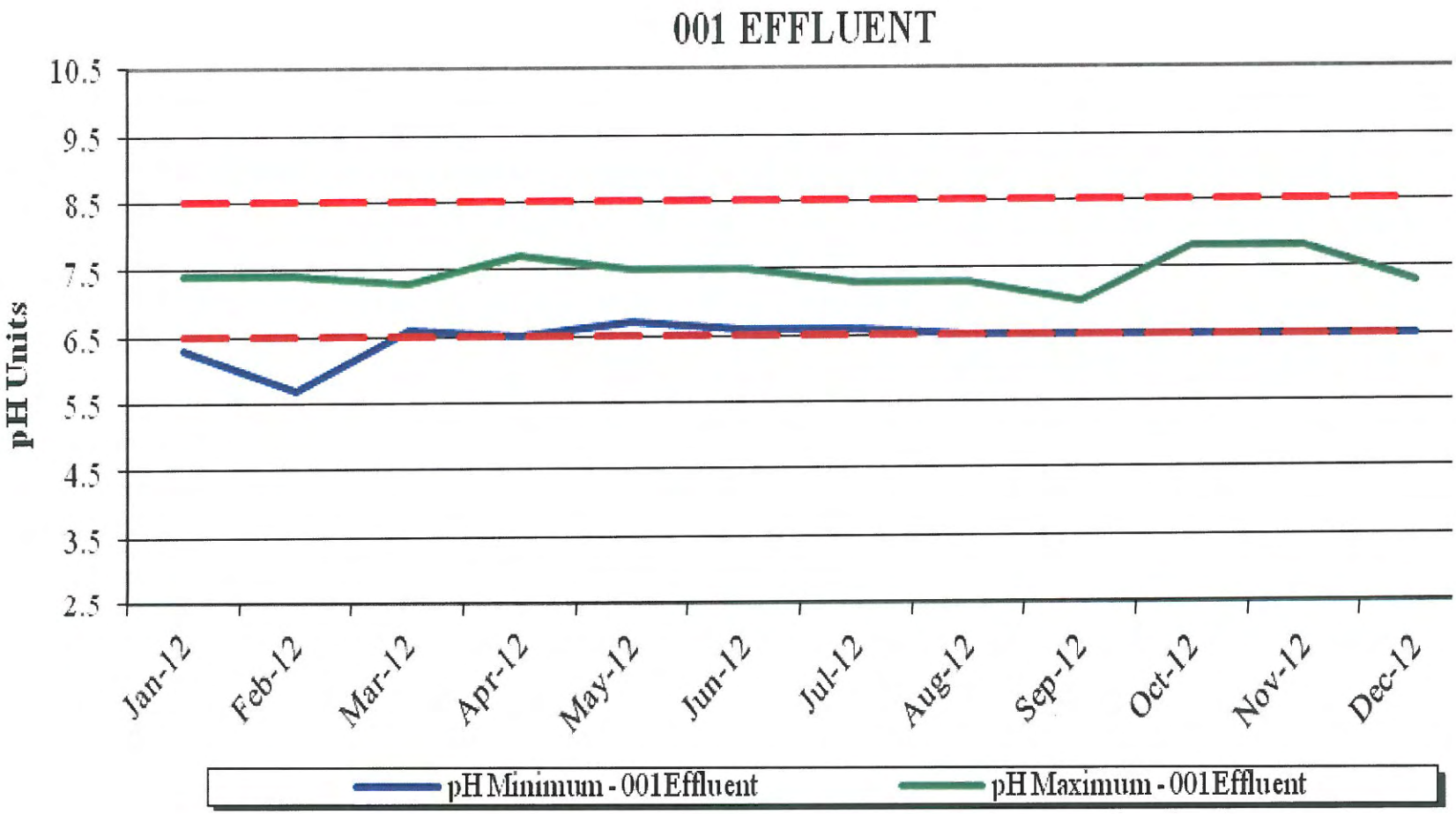

Figure 10d: Outfall 001 Effluent Monitoring Results 2012, Other Parameters

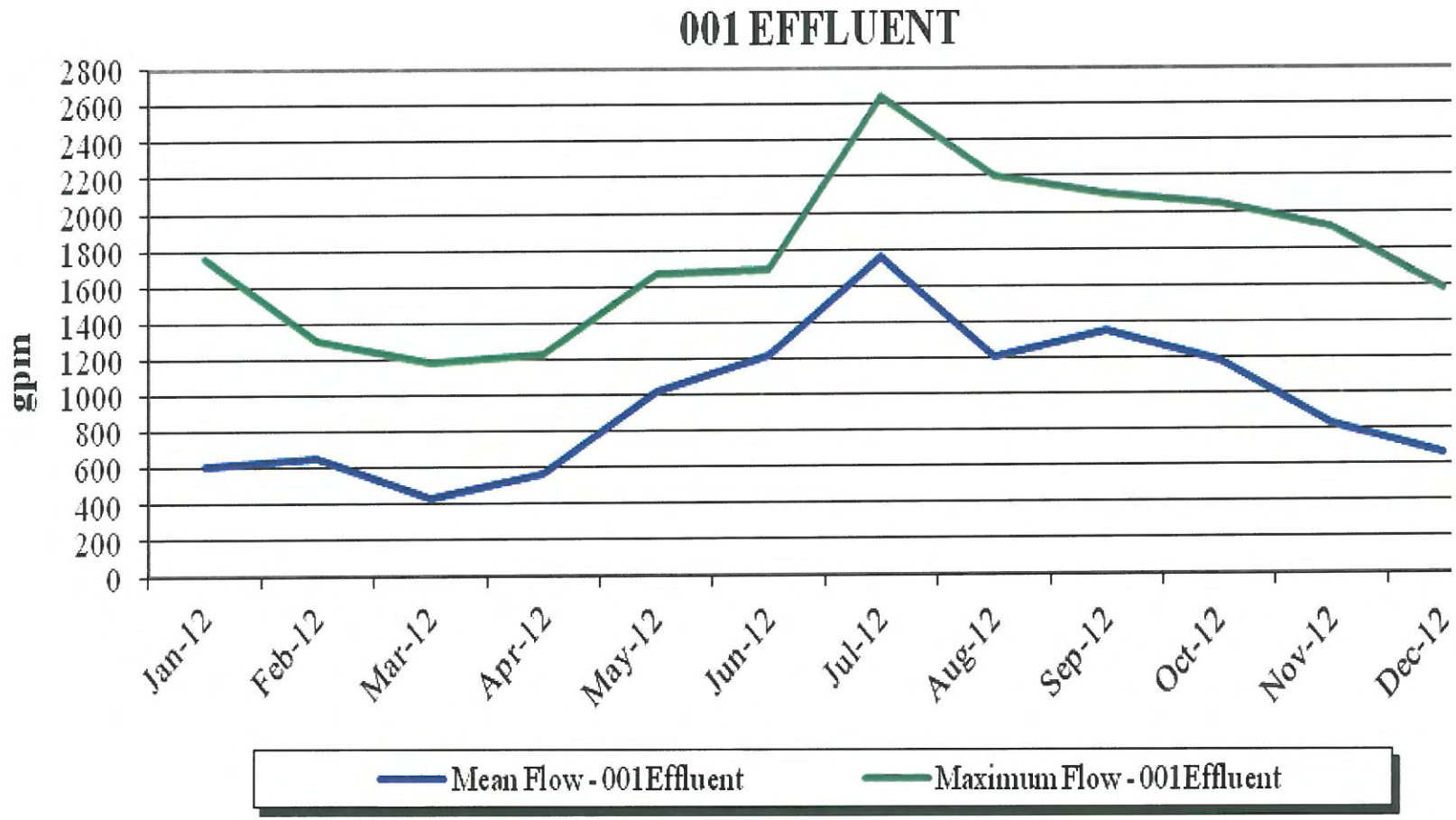

Figure 11a: Outfall 002 Effluent Monitoring Results 2012, Field Parameters

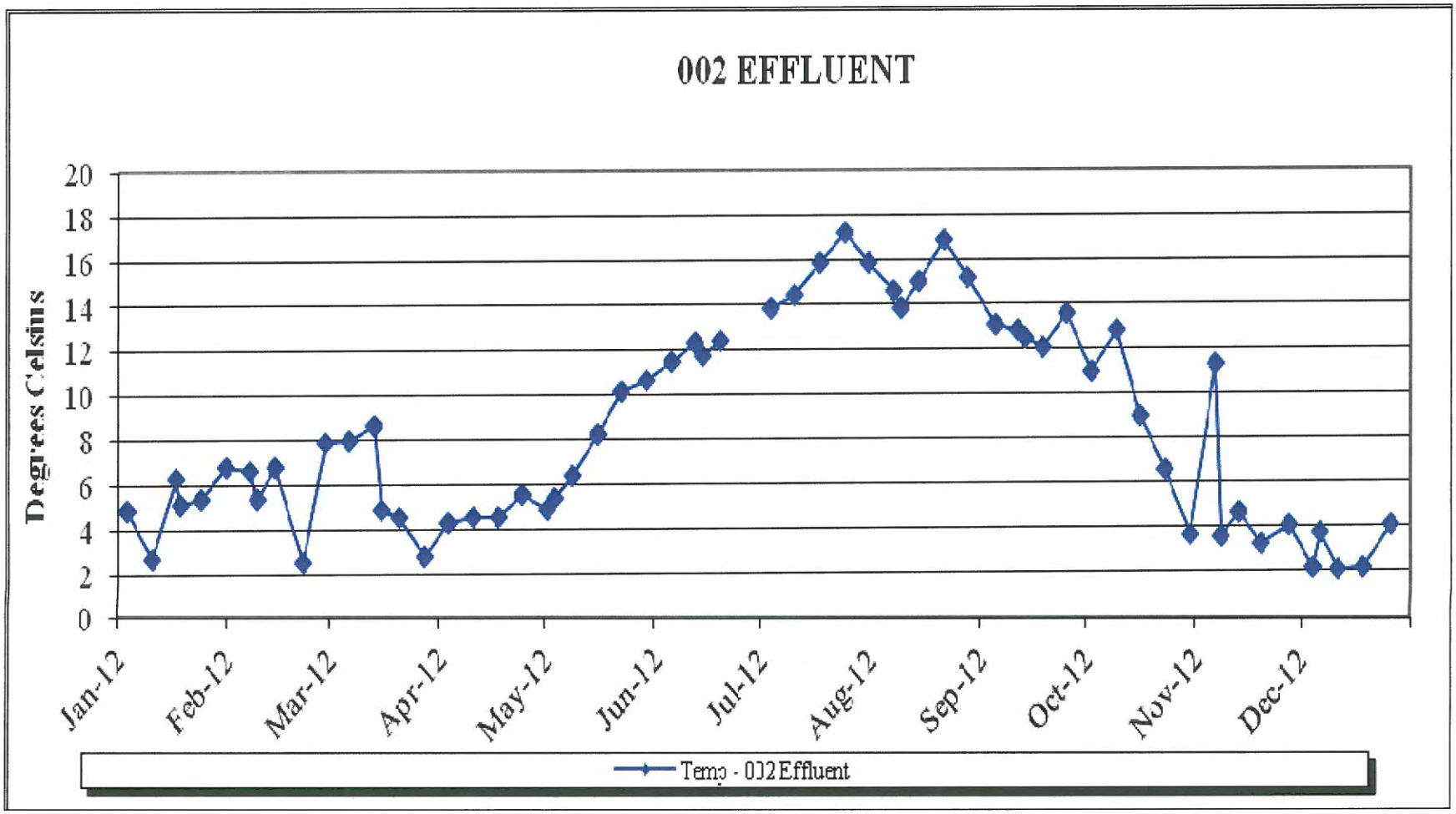

Figure 11b: Outfall 002 Effluent Monitoring Results 2012, Major Chemistry

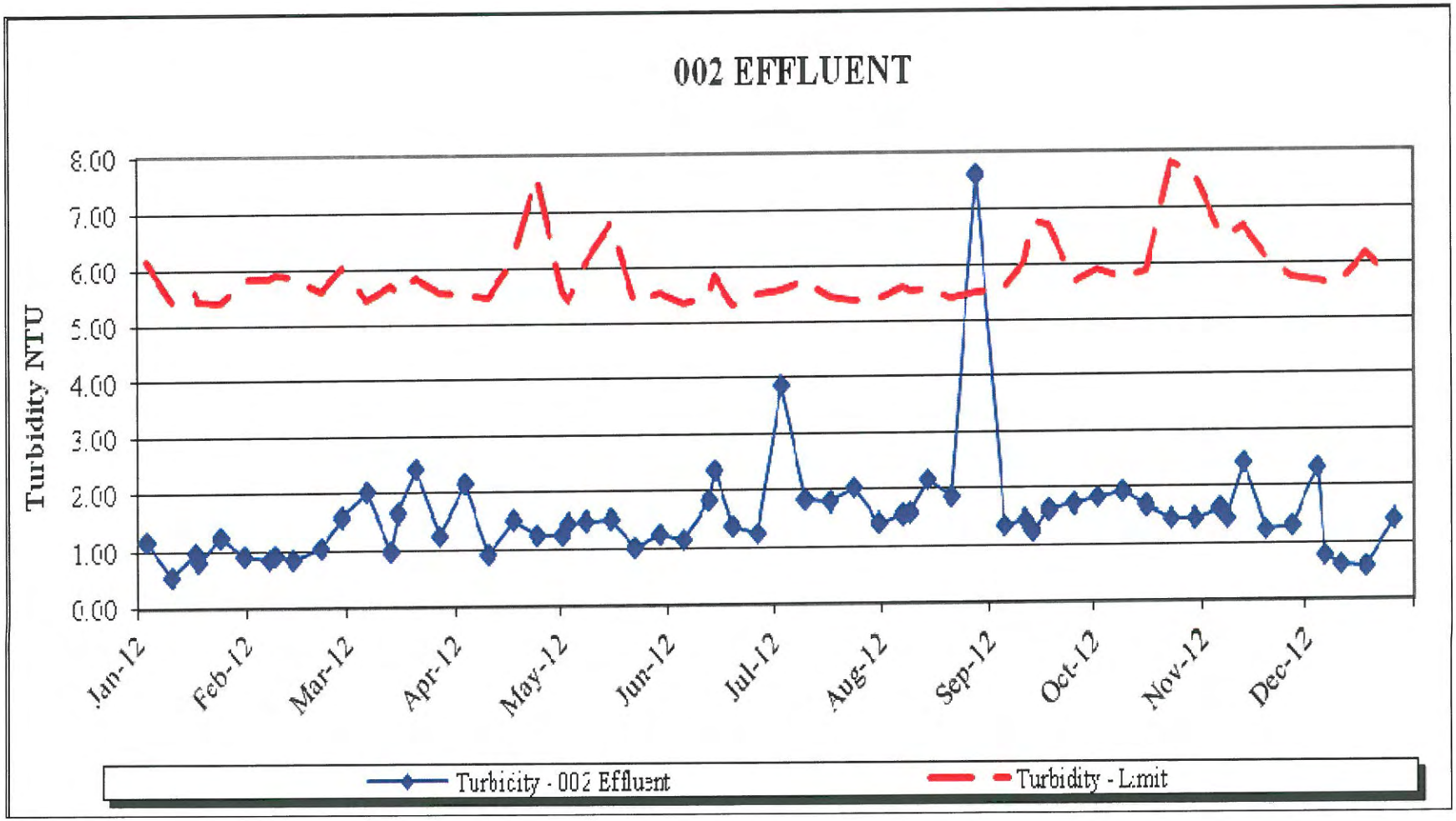

Figure 11b: Outfall 002 Effluent Monitoring Results 2012, Major Chemistry

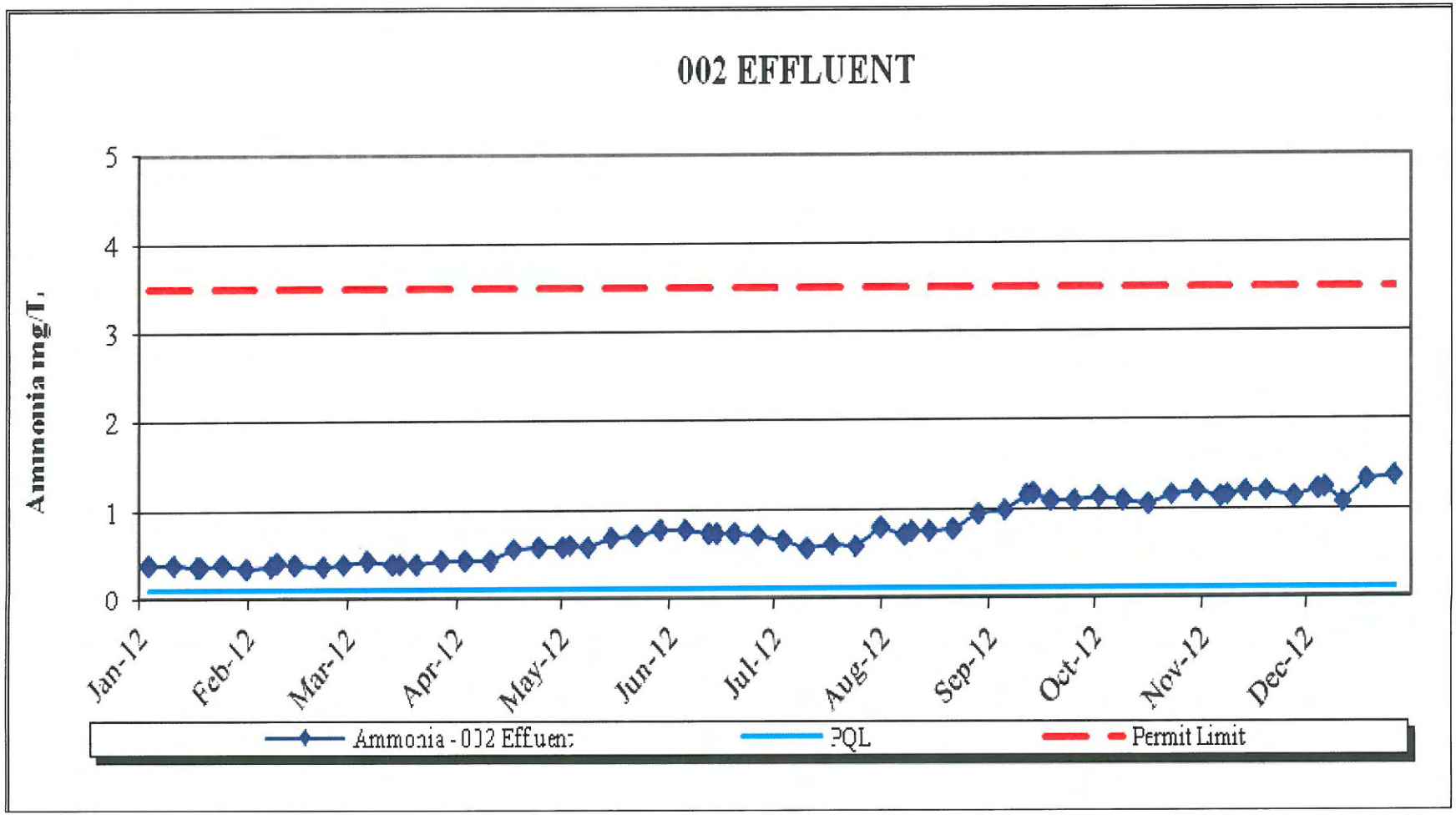

Figure 11b: Outfall 002 Effluent Monitoring Results 2012, Major Chemistry

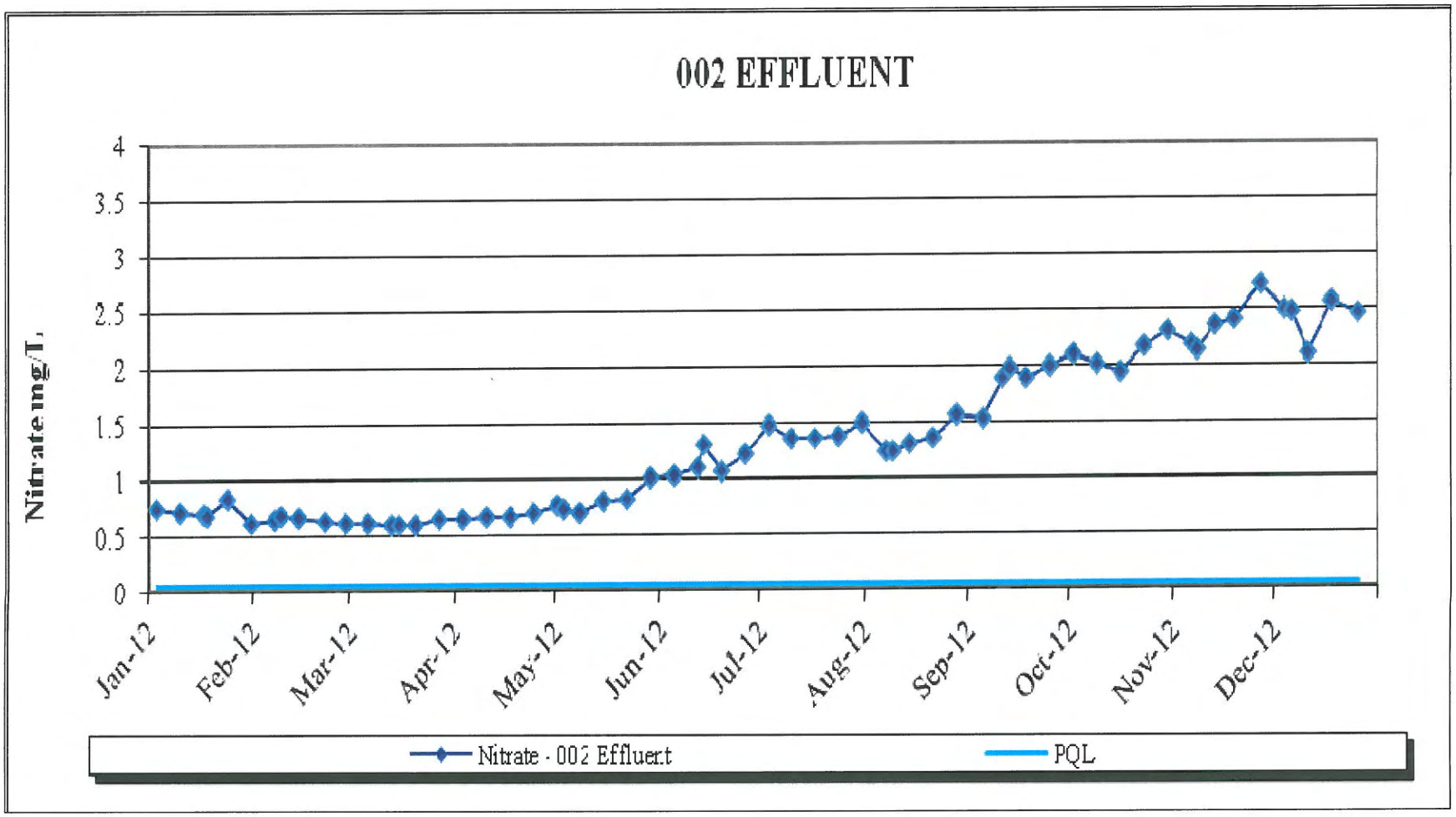

Figure 11b: Outfall 002 Effluent Monitoring Results 2012, Major Chemistry

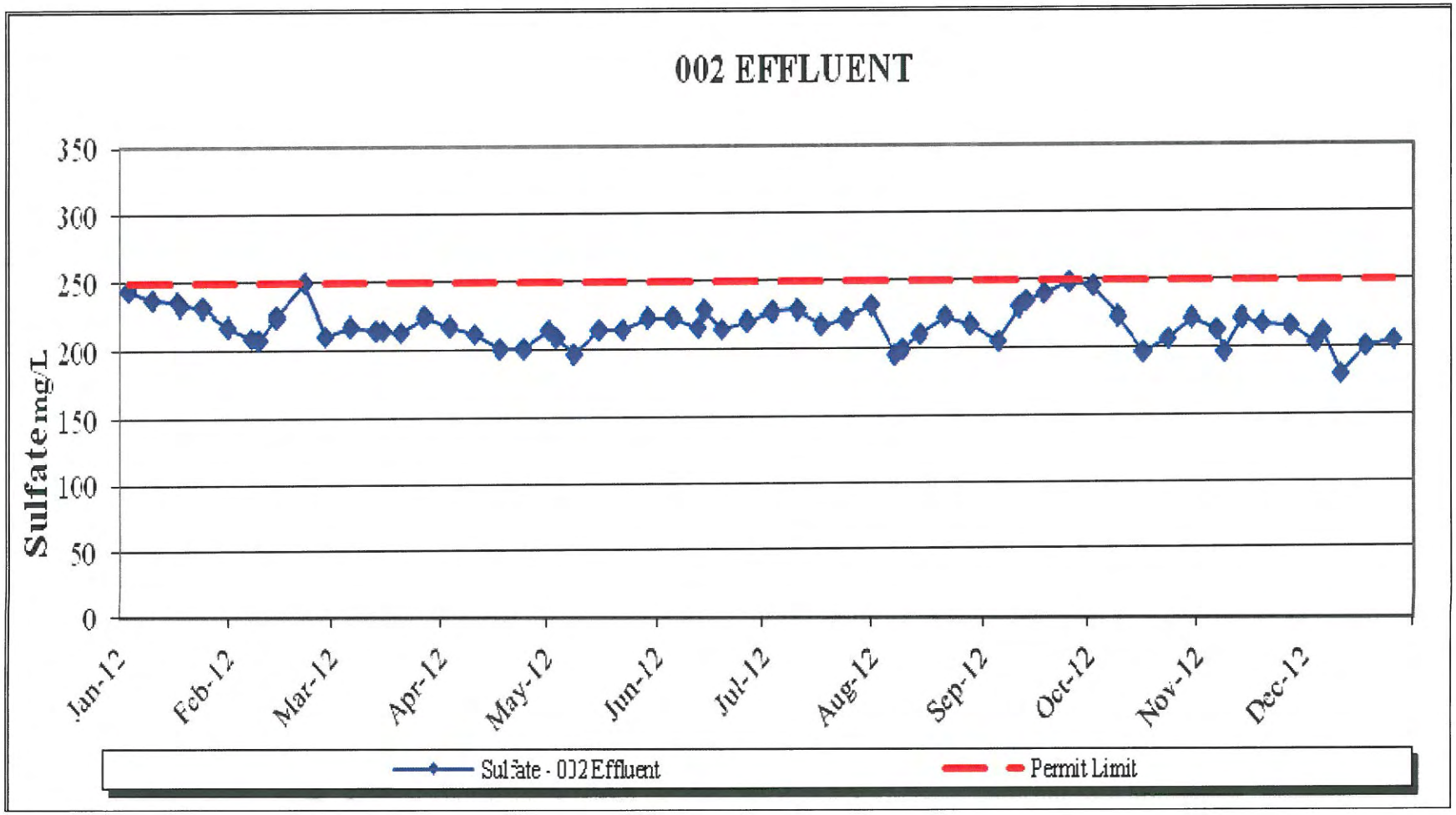

Figure 11b: Outfall 002 Effluent Monitoring Results 2012, Major Chemistry

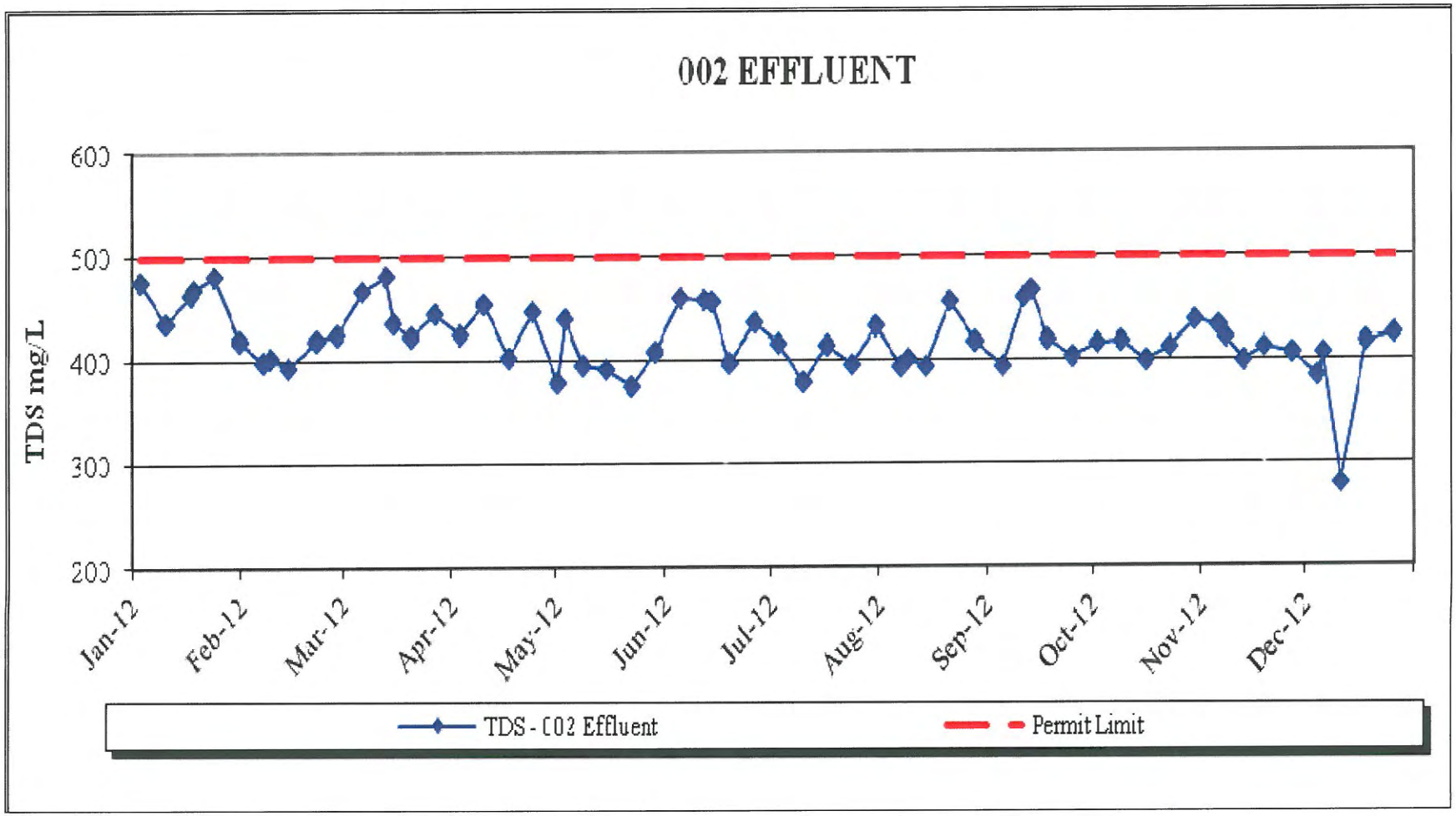

Figure 11b: Outfall 002 Effluent Monitoring Results 2012, Major Chemistry

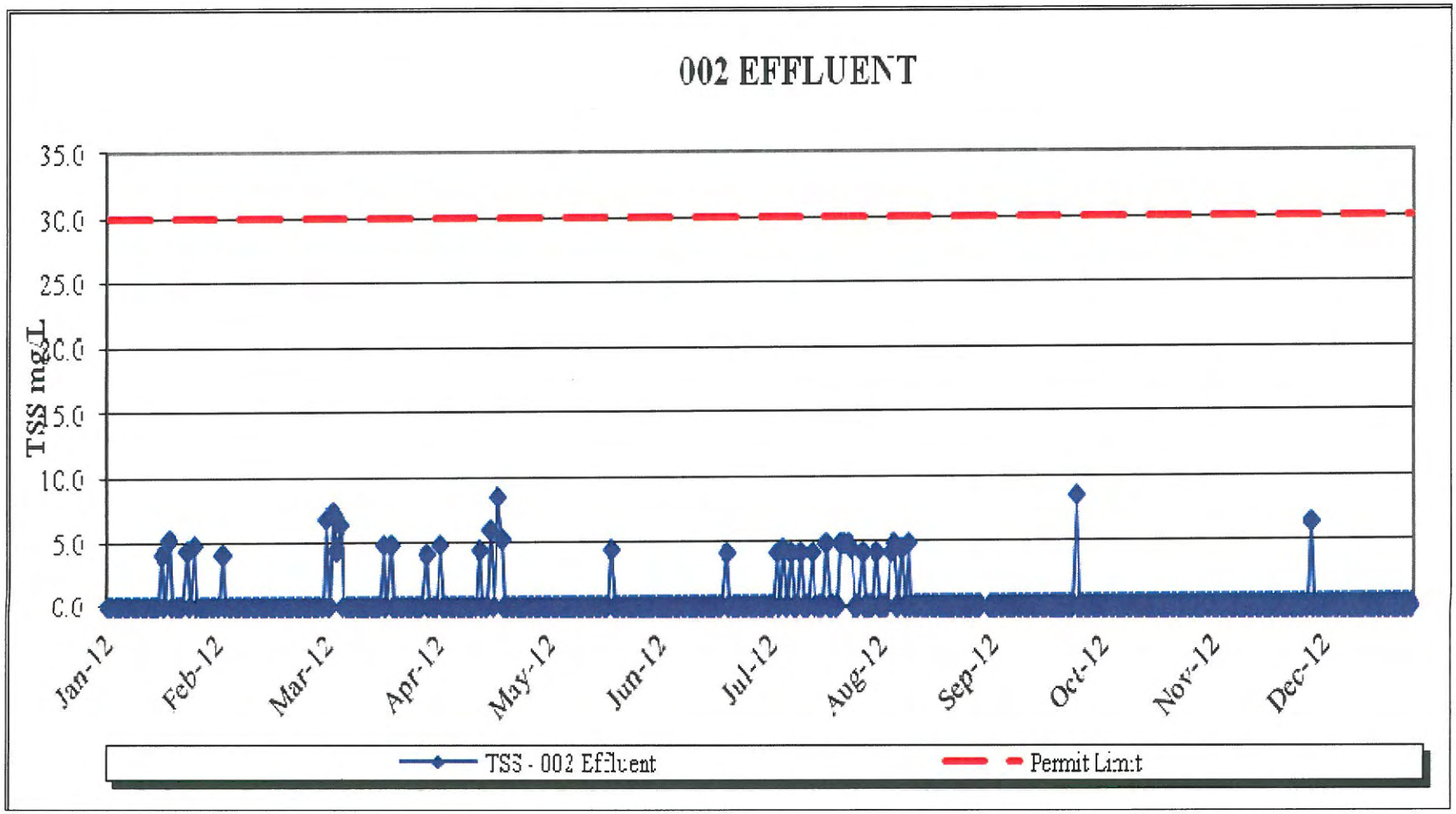

Figure 11c: Outfall 002 Effluent Monitoring Results 2012, Trace Chemistry

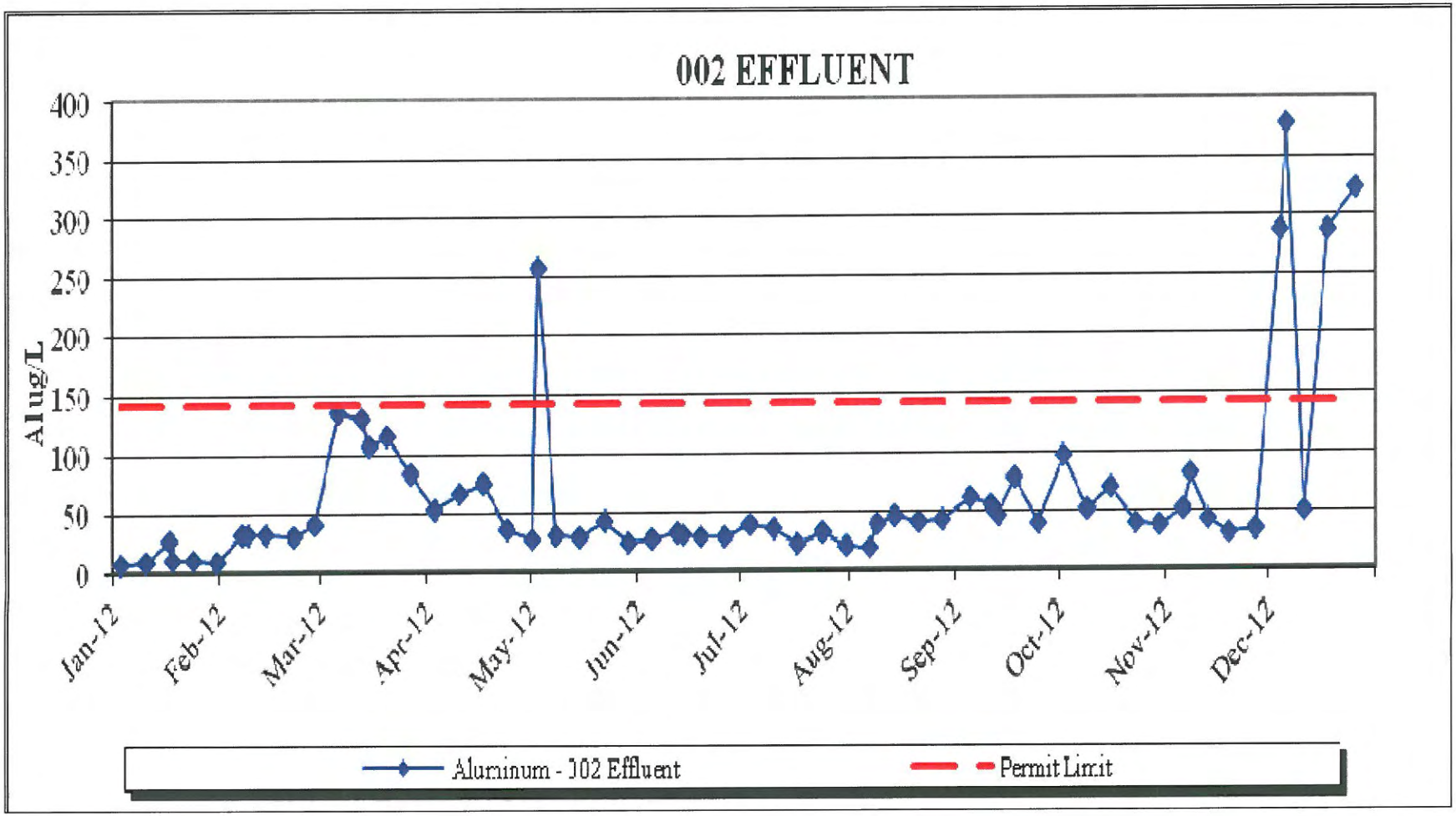

Figure 11c: Outfall 002 Effluent Monitoring Results 2012, Trace Chemistry

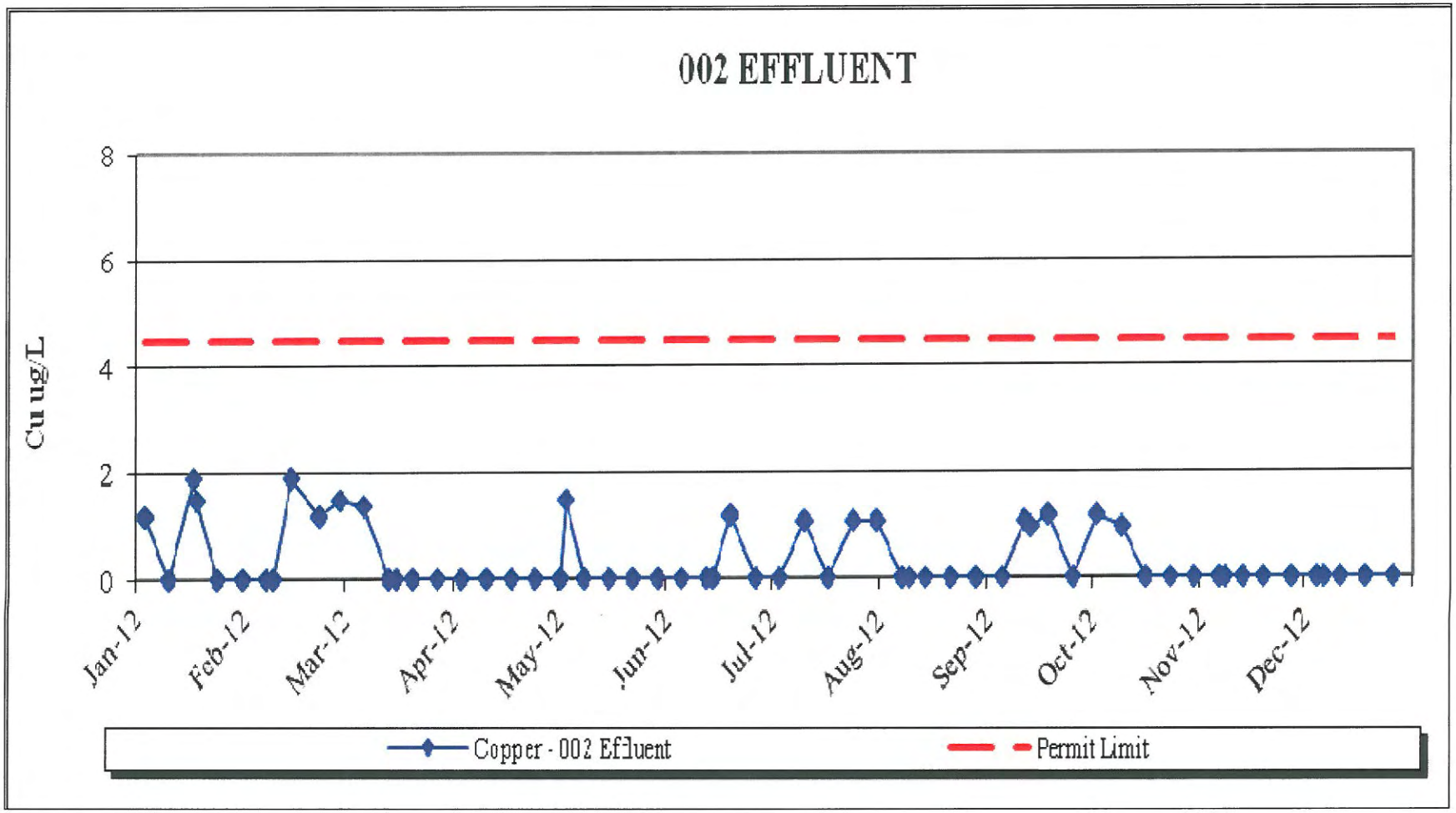

Figure 11c: Outfall 002 Effluent Monitoring Results 2012, Trace Chemistry

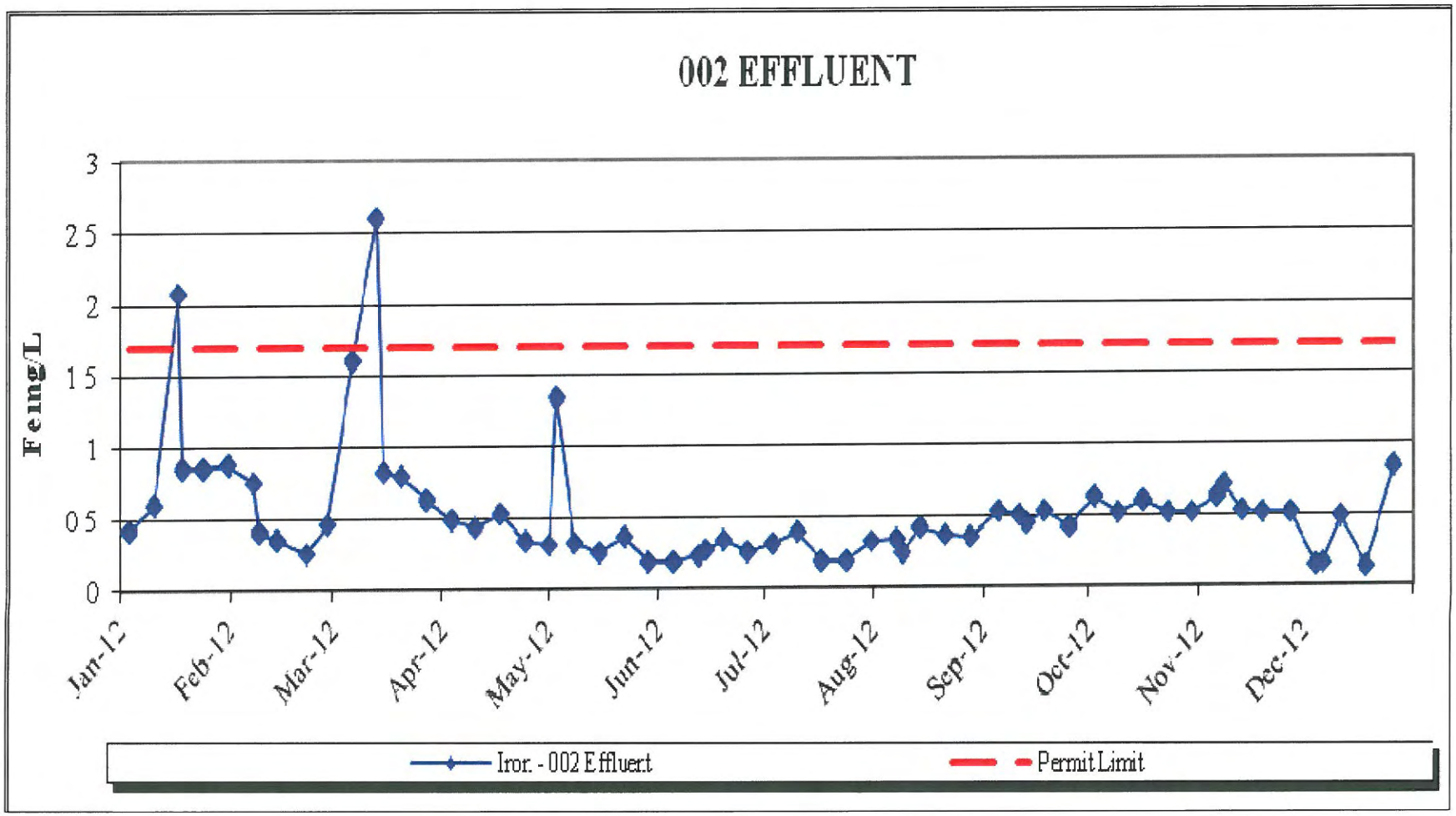

Figure 11c: Outfall 002 Effluent Monitoring Results 2012, Trace Chemistry

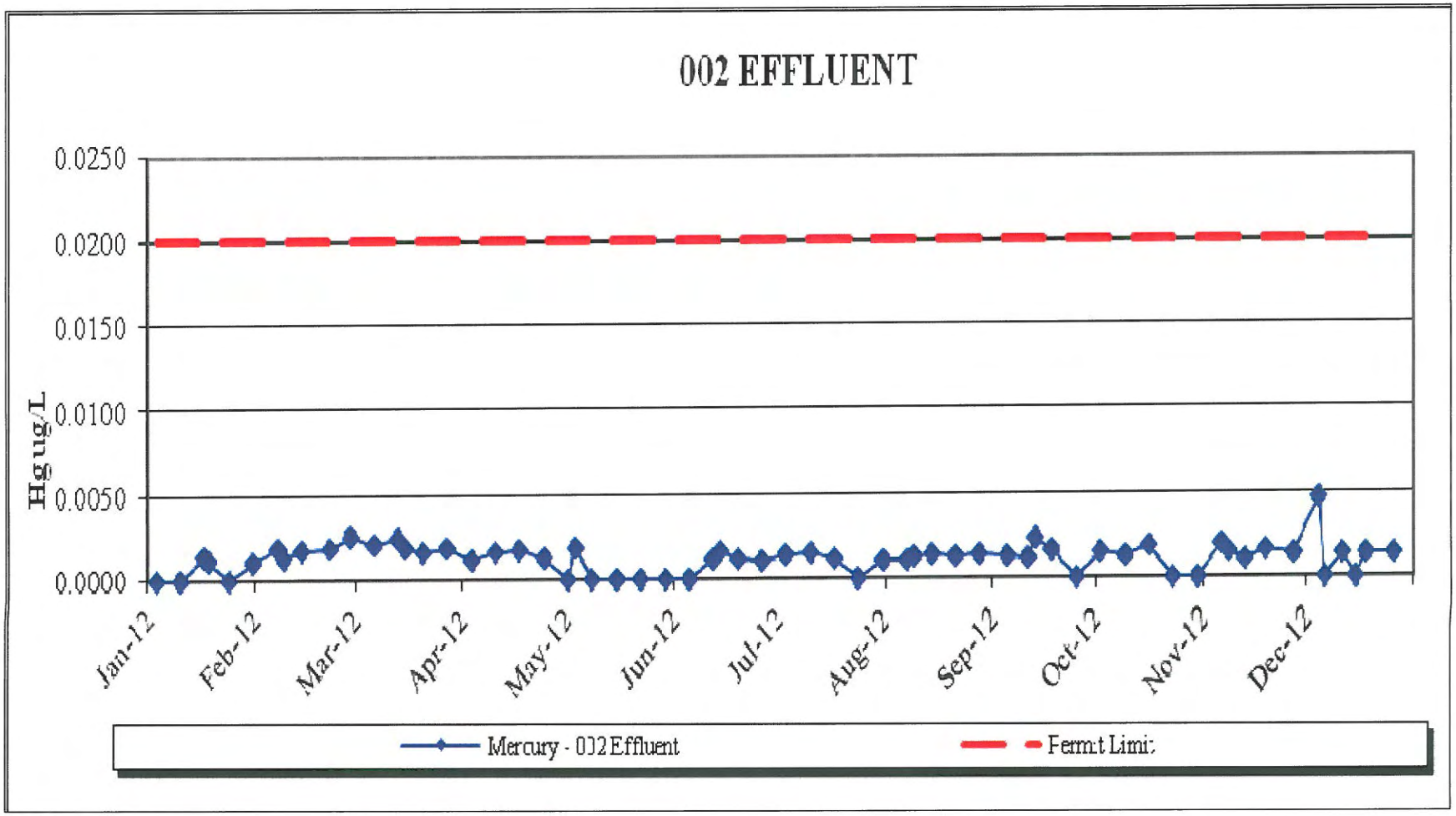

Figure 11c: Outfall 002 Effluent Monitoring Results 2012, Trace Chemistry

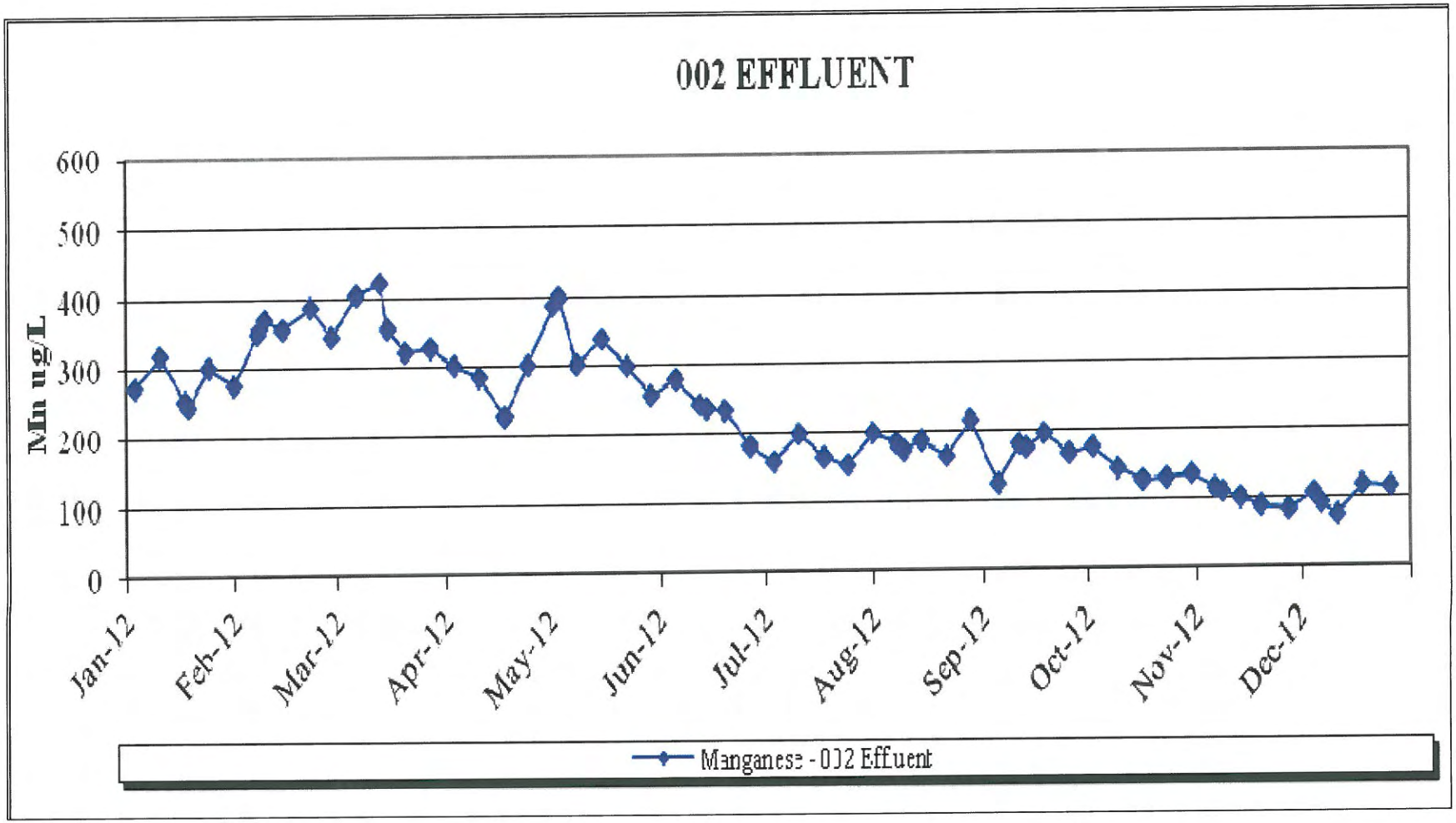

Figure 11c: Outfall 002 Effluent Monitoring Results 2012, Trace Chemistry

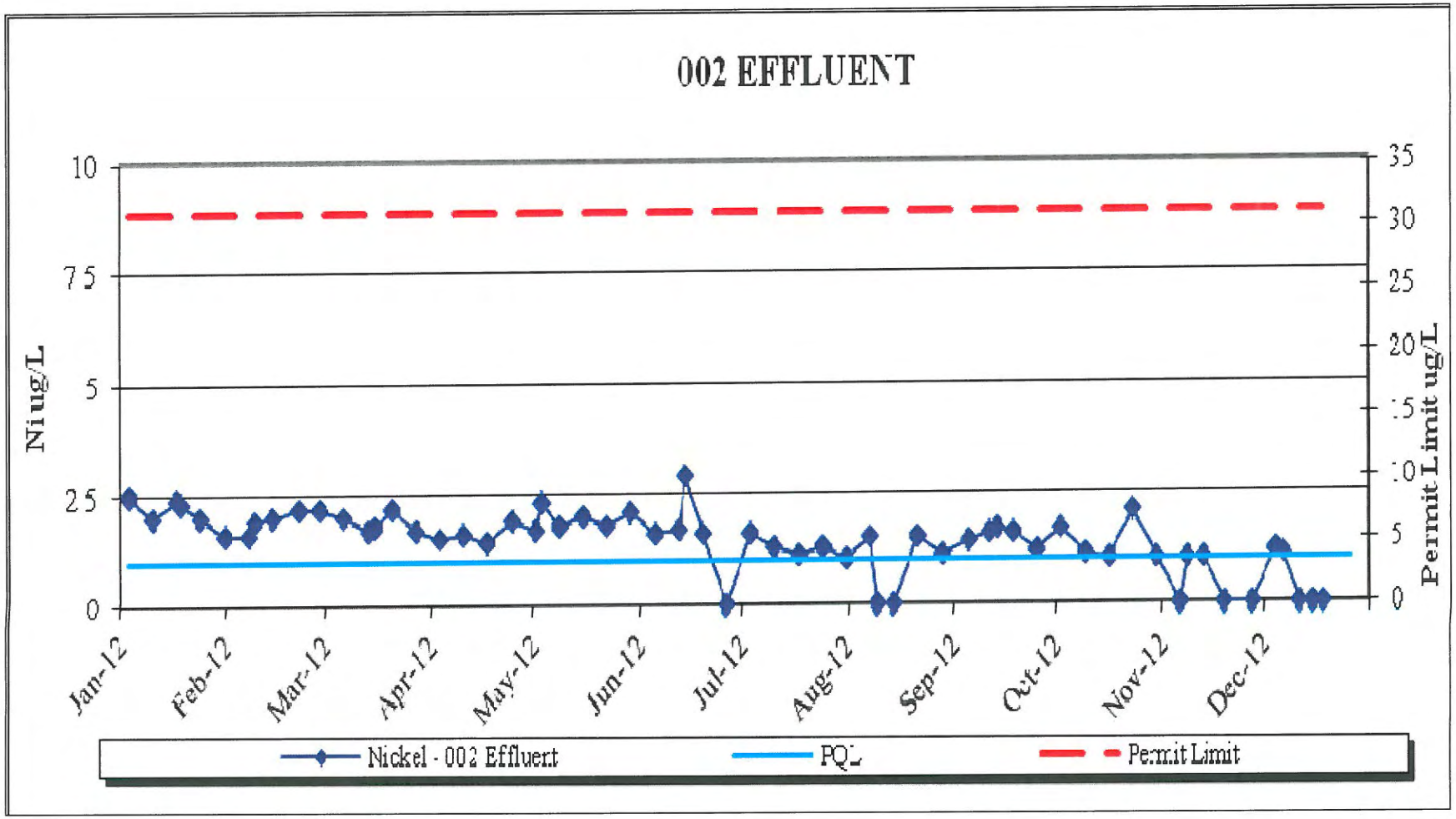
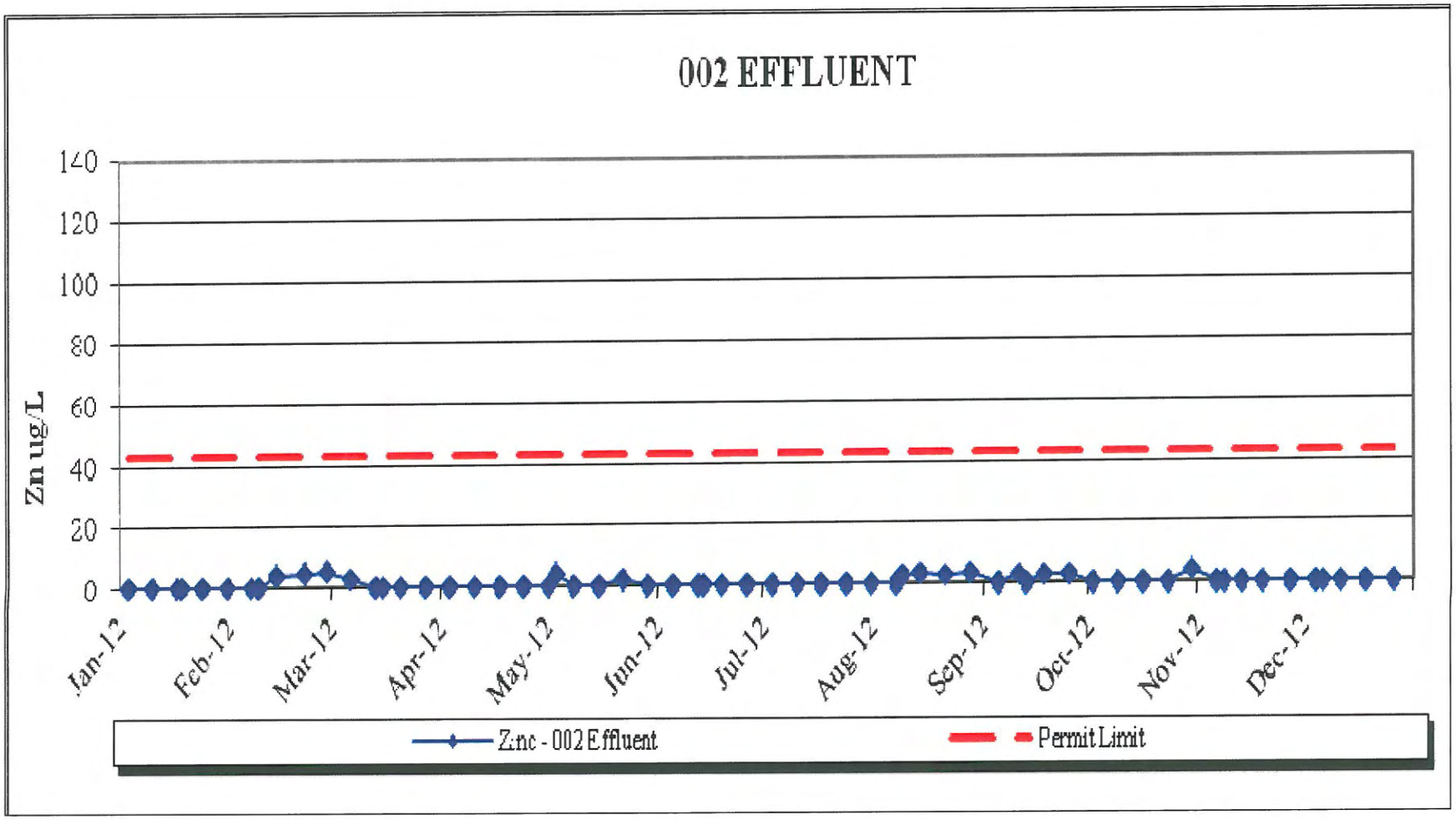
Figure 11c: Outfall 002 Effluent Monitoring Results 2012, Trace Chemistry