MY COMPUTER\ L: \ DER \ EDOCS \ SITE-SPECIFIC

\REGION 6 \COUNTY Oneida \TOWN Rome \NAME Rome LF

\PROGRAM CODE 633012 \ Document ImageVideo Nonfoil 5m

DOCUMENT TYPE circle • PROGRAM circle • SITE CODE[OU] • DOCUMENT DATE YYYY-MM-DD • DESCRIPTION • EXT circle

agreement
application
brief
consent
email
factsheet
image
isr
letter
memo
nov
prap
report
rod
siteplan
spcc
stip
var
video
workplan

hw
v
cbs
mosf
sp

633012 • 2006-03- • Tannery Rd LF 2005 Annual • pdf jpg mpeg

DELAWARE ENGINEERING, P.C.
28 Madison Avenue Extension
Albany, New York 12203
Phone: (518) 452-1290 • Fax: (518) 452-1335

LETTER OF TRANSMITTAL

DATE 3/2/2006	JOB NO.
ATTENTION	
RE: **City of Rome, Tannery Road Landfill**	
2005 Annual Report	

TO **Sue Lasdin**

WE ARE SENDING YOU :

[x] Attached [ ] Prints [ ] Under separate cover via _____ the following items:

[ ] Shop drawings [ ] Change Order [ ] Plans [ ] Samples [ ] Specifications

[ ] Copy of Letter [ ] Report [ ] Other _____

COPIES	DATE	NO.	DESCRIPTION
1			Tannery Road Landfill 2005 Annual Report

THESE ARE TRANSMITTED as checked below:

[ ] For approval [ ] Approved as submitted [ ] Resubmit _____ copies for approval

[x] For your use [ ] Approved as noted [ ] Submit _____ copies for distribution

[ ] As requested [ ] Returned for corrections [ ] Return _____ corrected prints

[ ] For review and comment [ ] _____

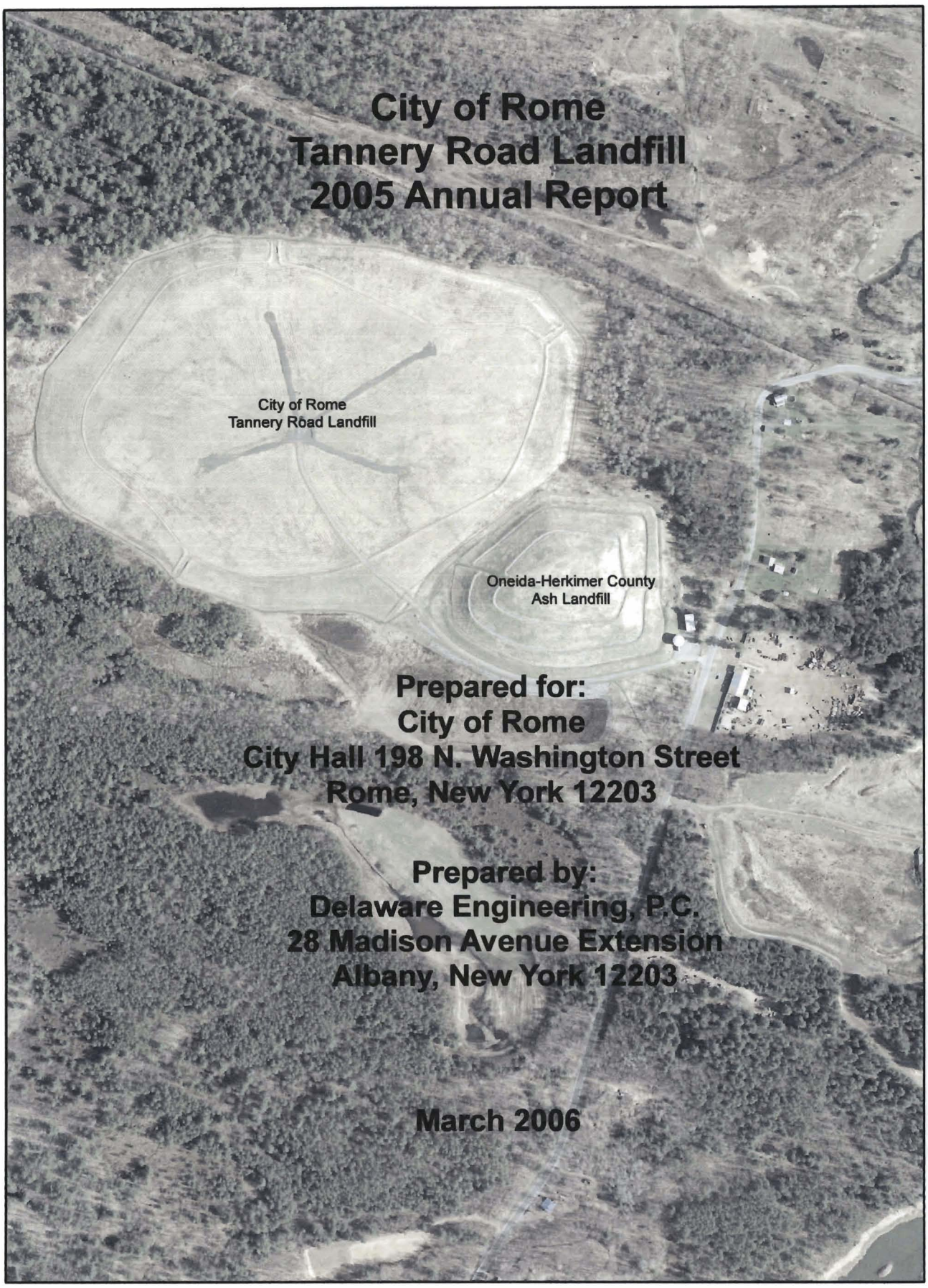
[ ] For Bids Due _____ 19 _____ [ ] Prints Returned After Loan to Us

REMARKS: _____

COPY TO: _____

SIGNED: Ed Fabrizio

City of Rome
Tannery Road Landfill
2005 Annual Report



Prepared for:
City of Rome
City Hall 198 N. Washington Street
Rome, New York 12203

Prepared by:
Delaware Engineering, P.C.
28 Madison Avenue Extension
Albany, New York 12203

March 2006

TABLE OF CONTENTS

List of Appendices

List of Figures

1.0 INTRODUCTION

This document presents the 2005 annual report for the post closure operations, including maintenance and monitoring activities for the closed City of Rome Landfill located on Tannery Road in the City of Rome, Oneida County, New York. Final closure of the landfill was completed in September 1997 and in January 1999 the New York State Department of Environmental Conservation (NYSDEC) approved the closure certification report.

The post closure maintenance and monitoring activities were performed pursuant to the Operation, Maintenance and Monitoring Plan (Revised October 19, 1999) that was approved by the NYSDEC. This annual report covers the period from February 2005 through January 2006.

Pursuant to the approved Operation, Maintenance and Monitoring Plan (O&M), this annual report provides the following information:

- The results of all ground water and leachate quality analytical data.
- The amount of ground water/leachate collected from the recovery wells.
- Water level monitoring and ground water contour maps for March, June, September and December 2005.
- Monthly Inspection Data.

2.0 GROUND WATER AND LEACHTE ANALYTICAL DATA

During 2005, ground water samples were collected in March, June, September and December from monitoring wells MW-1S, MW-3S, MW-4S, MW-5S, MW-7D and groundwater/leachate wells LMW-10 and LMW-12. The March, June and December samples were analyzed for the NYSDEC Part 360 Routine parameters. The samples collected in December 2005 were analyzed for the Part 360 Baseline parameters.

Analytical results have been previously submitted to the NYSDEC in the quarterly monitoring reports. Tables summarizing the analytical data for each monitoring well from March 1999 to present are provided in Appendix A. Concentrations that exceeded the New York State ground water standard are presented in a bold font.

The ground water analytical data from 2005 demonstrate that ground water in the vicinity of monitoring wells MW-2D, MW-3S, MW-4S and MW-7D continue to exhibit elevated concentrations of landfill related constituents. Ground water from monitoring wells MW-2D, MW-3S, MW-4S and MW-7D continue to consistently exhibit ammonia concentrations above the ground water standard and/or upgradient MW-9S concentrations. Potassium concentrations in ground water in the vicinity of these wells are higher than the upgradient MW-9S concentration as are the MW-7D iron and chloride concentrations. Ground water from monitoring well MW-7D continues to exhibit benzene and total xylenes above the ground water standard.

Graphs of parameter concentration over time (trend graphs) for several leachate indicator parameters (alkalinity, ammonia, chloride, iron, potassium, sodium, TDS) for each monitoring well are provided in Appendix C. The trend graphs indicate that MW-3S ground water alkalinity, chloride, iron, potassium, sodium and TDS concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current concentrations. Data indicate that implementation of the procedures stipulated in the Record of Decision have resulted in an improvement in the ground water quality in the vicinity of monitoring well MW-3S.

3.0 GROUND WATER ELEVATION DATA

Consistent with the O&M plan, ground water elevation data were measured monthly from monitoring wells MW-1S, MW-2S, MW-3S, MW-4S, MW-5S, MW-7S, MW-9S, piezometer PZ-1 and leachate wells LMW-10, LMW-11 and LMW-12. A summary of the 2005 ground water elevation data is provided in Table 1. Ground water contour maps for March, June, September and December 2005 have been provided in the quarterly ground water monitoring reports and are also provided in this report. Graphs depicting ground water elevations over time for each monitoring well are provided in Appendix C.

Monitoring well MW-9S has been considered upgradient of the landfill. However, historical ground water elevation data indicate that there are periods when the ground water level elevation in MW-9S are lower than the water level elevation in landfill leachate wells LMW-10 and LMW-12 and lower than the ground water elevation in monitoring well MW-3. Monitoring well MW-9S is located at a greater distance in an upgradient direction from the landfill than any other monitoring well, and would be expected to exhibit less of a landfill related impact on ground water quality, if any, than any other landfill monitoring well. Therefore, for the purpose of comparing ground water analytical results, ground water data from monitoring well MW-9S has been considered representative of background conditions.

The monthly ground water elevation data for 2005 indicates that for the greater part of 2005, ground water elevations in monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S were consistently higher than the LMW-10, LMW-11 and LMW-12 leachate monitoring well elevations, indicating an inward gradient at these locations. During month with low monthly precipitation when ground water levels normally drop, the ground water elevations in monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S (MW-2S, MW-4S, MW-5S; June through September: MW-3S, MW-9S June through August) were lower than the LMW-10, LMW-11 and LMW-12 ground water elevations, indicating an outward gradient.

The ground water elevation graph for the leachate wells indicate that the water level elevations in the wells have decreased from pre-closure elevations and show an overall decreasing trend in the water level elevation in the landfill. A linear trend line has been plotted on each graph.

The trend line for the ground water monitoring wells outside the landfill show that ground water elevations outside the landfill have not significantly changed, indicating that the overall decreasing trend in leachate well elevations is not related to a decrease in precipitation. The data indicate that the four leachate recovery wells have reduced the volume of leachate in the landfill

and reduced the overall head difference between the landfill and the monitoring wells located outside the slurry/sheet pile wall.

4.0 SITE INSPECTIONS

4.1 Weekly Site Inspections

Weekly landfill inspections were performed by City of Rome personnel in accordance with the procedures detailed in the O&M manual. The weekly inspections included evaluation of the ground water/leachate pumping operation and general site security. As noted in the 2004 annual report, in October 2004, City of Rome personnel repaired one of the breaches in the diversion berm located west of the north stormwater swale, repaired the erosion outside the landfill fence at the end of the southern stormwater swale and repaired the erosion on the southeast side of the landfill. The erosion at the end of the southern stormwater swale was repaired using medium to heavy riprap and subsequent inspections conducted throughout 2005 indicated that the erosion problem in this area has been adequately resolved. Erosion along the fence at the southeast end of the landfill continues to be a concern.

On September 28, 2005 and October 28, 2005, City of Rome personnel provided oversight of a video inspection of leachate recovery wells RW-4 and RW-1, respectively. As discussed in Section 5, these wells were non-functional during at least part of 2005. The video inspection revealed that the wells had collapsed and pinched the pump discharge tubing prohibiting discharge of leachate from the recovery well. Continual shifting of the landfill mass has previously affected site monitoring wells and RW-4. Recovery wells RW-1 and RW-4 will be replaced in the spring of 2006. The City of Rome has contracted Atlantic Testing and Drilling (ATD) to install the replacement recovery wells. ATD in conjunction with Delaware Engineering are evaluating alternative recovery well installation and construction options that could be used to minimize future damage to the recovery wells.

4.2 Monthly Inspections

Delaware Engineering performed monthly landfill inspections. The inspections included general review of landfill cap conditions, general site conditions, evaluation and recording of data for the ground water/leachate pumping system, collection of ground water levels and operability of the landfill flares and passive gas vents. In March, June, September and December, ground water samples were collected and submitted for analysis as discussed in Section 2.0. The annual gas vent inspection and hydrogen sulfide measurements were conducted in August 2005. Copies of the completed inspection forms are provided in Appendix D.

Erosion along the fence at the southeast end of the landfill continues to be a concern. In the spring of 2006 it is recommended that in the spring of 2006, the soil be replaced, an erosion control mat (North American Green P550 or Curlex HVHD or equivalent) be installed in the area and the area seeded.

5.0 GROUND WATER / LEACHATE PUMPING SYSTEM

For each recovery well, readings from the flow totalizers in the meter pit were recorded during the monthly inspections. Leachate flows for each recovery well for the period from January 20,

2005 to January 17, 2006 are presented below. A summary of the monthly leachate pumping volumes is provided in Table 2.

RW-1	-28,200 gallons
RW-2	522,300 gallons
RW-3	381,400 gallons
RW-4	622,600 gallons
Total Gallons	1,497,900 gallons

A summary of the total gallons of leachate that have been pumped from the landfill since 1998 is provided in the following table.

YEAR	RW-1	RW-2	RW-3	RW-4	TOTAL
1998 (To 12/18/98)	998,300	1,403,300	366,300	328,900	3,096,800
1999 (12/18/98 to 12/20/99	822,193	1,334,300	318,500	141,000	2,615,993
2000 (12/20/99 to1/12/01	724,800	1,351,300	223,200	0	2,299,300
2001 (1/12/01 to 1/16/02)	596,400	1,179,900	297,500	0	2,073,800
2002 (1/16/02 to 1/9/03)	515,900	1,025,600	414,400	299,300	2,255,200
2003 (1/9/03 to 1/29/04)	487,500	1,040,800	632,900	1,497,400	3,658,600
2004 (1/29/04 to 1/20/05)	428,200	1,016,100	384,100	1,004,500	2,832,900
2005 (1/20/05 to (1/17/06)	-28,000	522,300	381,400	622,600	1,497,900
Total	4,545,293	8,873,600	3,018,300	3,893,700	20,330,493

During 2005 recovery well RW-1 was non functional. A video inspection of the well in October 2005 revealed that the well casing had collapsed prohibiting the discharge of leachate from the pump. At some point between August and September 2005, leachate recovery from well RW-4 was interrupted. A video inspection of leachate recovery well RW-4 in September 2005 revealed that the well has collapsed prohibiting the discharge of leachate from the well. New leachate recovery wells will be installed at the RW-1 and RW-4 locations in the spring of 2006.

6.0 RECOMMENDATIONS

As discussed in Section 3.0, ground water from monitoring wells MW-2D, MW-3S, MW-4S and MW-7S have continue to exhibit ammonia concentrations that exceed both the NYSDEC ground water standards and upgradient MW-9S concentrations. Ground water quality adjacent to the landfill has been adequately characterized. The landfill has been capped and leachate is actively pumped from the waste mass via the on-site recovery wells. Ground water quality is not expected to significantly change on a quarterly basis. Therefore, semi-annual collection and

analysis of ground water from the on-site monitoring wells would provide adequate ground water monitoring

The City of Rome requests that NYSDEC approve a reduction in ground water monitoring to semi-annual (April and October). On an alternating basis, samples collected during one of the semi-annual events would be analyzed for the Part 360 baseline parameters and the samples from the other monitoring event would be analyzed for the Part 360 routine parameters. Ground water elevation data would continue to be obtained on a monthly basis.

TABLES

Table 1
Water Level Elevation Data, Comparison to LMW-10 and LMW-12
City of Rome Tannery Road Landfill

		DEPTH TO WATER (FT.)												
WELL	**MEASURING POINT ELEVATION (FT**	**1/20/2005**	**2/22/2005**	**3/22/2005**	**4/28/2005**	**5/26/2005**	**6/28/2005**	**7/21/2005**	**8/25/2005**	**9/27/2005**	**10/19/2005**	**11/8/2005**	**12/6/2005**	**1/17/2006**
MW-1S	449.59	5.08	5.18	5.19	4.66	5.79	7.27	7.97	8.73	8.3	6.95	5.91	4.83	4.71
MW-2S	459.44	6.88	7.28	7.47	6.3	7.36	9.5	9.9	10.46	9.71	7.2	7.41	6.47	6.31
MW-3S	456.4	3.85	NA	3.47	3.54	4.22	5.32	5.98	6.56	5.26	3.61	3.8	3.56	Frozen
MW-4S	456.19	3.86	3.75	3.69	3.76	4.16	5.51	6.47	7.51	6.67	4.73	4.27	3.9	3.87
MW-5S	457.15	4.68	4.69	4.47	4.39	5.29	6.84	7.73	8.71	8.58	5.81	5.06	4.37	4.46
MW-7S	452.25	7.69	8.21	8.45	7.36	7.98	9.76	10.83	11.86	9.25	11.17	10.12	8.45	7.77
MW-9S	456.38	3.85	3.72	3.71	3.72	4.23	5.53	6.43	6.99	5.64	4.09	4.04	3.9	3.94
MW-10	486.3	35.05	35.03	34.98	34.76	34.71	35.05	35.23	35.71	35.57	35.22	35.25	35.21	35.2
MW-11	502.4	52.15	51.88	51.79	51.56	51.39	51.74	51.92	52.26	52.18	52.07	52.3	52.19	52
MW-12	483.11	32.61	32.61	32.61	32.25	32.27	32.54	32.82	33.27	33.24	33.21	33	32.57	32.23
PZ-1	454.37	6.46	6.79	6.61	5.7	6.29	8.98	9.69	10.55	9.14	8.81	7.41	6.04	5.8
MW-7D	451.79	7.78	8.53	8.78	7.21	8.25	9.94	10.79	11.78	9.77	11.14	10.25		7.91

	WATER LEVEL ELEVATION (FT.)											
WELL	**1/20/2005**	**2/22/2005**	**3/22/2005**	**4/28/2005**	**5/26/2005**	**6/28/2005**	**7/21/2005**	**8/25/2005**	**9/27/2005**	**10/19/2005**	**11/8/2005**	**12/6/2005**	**1/17/2006**
MW-1S	444.51	444.41	444.4	444.93	443.8	442.32	441.62	440.86	441.29	442.64	443.68	444.76	444.88
MW-2S	452.56	452.16	451.97	453.14	452.08	449.94	449.54	448.98	449.73	452.24	452.03	452.97	453.13
MW-3S	452.55	NA	452.93	452.86	452.18	451.08	450.42	449.84	451.14	452.79	452.6	452.84	NA
MW-4S	452.33	452.44	452.5	452.43	452.03	450.68	449.72	448.68	449.52	451.46	451.92	452.29	452.32
MW-5S	452.47	452.46	452.68	452.76	451.86	450.31	449.42	448.44	448.57	451.34	452.09	452.78	452.69
MW-7S	444.56	444.04	443.8	444.89	444.27	442.49	441.42	440.39	443	441.08	442.13	443.8	444.48
MW-9S	452.53	452.66	452.67	452.66	452.15	450.85	449.95	449.39	450.74	452.29	452.34	452.48	452.44
MW-10	451.25	451.27	451.32	451.54	451.59	451.25	451.07	450.59	450.73	451.08	451.05	451.09	451.1
MW-11	450.25	450.52	450.61	450.84	451.01	450.66	450.48	450.14	450.22	450.33	450.1	450.21	450.4
MW-12	450.5	450.5	450.5	450.86	450.84	450.57	450.29	449.84	449.87	449.9	450.11	450.54	450.88
PZ-1	447.91	447.58	447.76	448.67	448.08	445.39	444.68	443.82	445.23	445.56	446.96	448.33	448.57
MW-7D	444.01	443.26	443.01	444.58	443.54	441.85	441	440.01	442.02	440.65	441.54		443.88

	WATER LEVEL ELEVATION DIFFERENCE (FT.) RELATIVE TO MW-12 [2]											
WELL	**1/20/2005**	**2/22/05**	**3/22/2005**	**4/28/2005**	**5/26/2005**	**6/28/2005**	**7/21/2005**	**8/25/2005**	**9/27/2005**	**10/19/2005**	**11/8/2005**	**12/6/2005**	**1/17/2006**
MW-1S	5.99	6.09	6.1	5.93	7.04	8.25	8.67	8.98	8.58	7.26	6.43	5.78	6
MW-2S	-2.06	-1.66	-1.47	-2.28	-1.24	0.63	0.75	0.86	0.14	-2.34	-1.92	-2.43	-2.25
MW-3S	-2.05	NA	-2.43	-2	-1.34	-0.51	-0.13	0	-1.27	-2.89	-2.49	-2.3	NA
MW-4S	-1.83	-1.94	-2	-1.57	-1.19	-0.11	0.57	1.16	0.35	-1.56	-1.81	-1.75	-1.44
MW-5S	-1.97	-1.96	-2.18	-1.9	-1.02	0.26	0.87	1.4	1.3	-1.44	-1.98	-2.24	-1.81
MW-7S	5.94	6.46	6.7	5.97	6.57	8.08	8.87	9.45	6.87	8.82	7.98	6.74	6.4
MW-9S	-2.03	-2.16	-2.17	-1.8	-1.31	-0.28	0.34	0.45	-0.87	-2.39	-2.23	-1.94	-1.56
MW-10	-0.75	-0.77	-0.82	-0.68	-0.75	-0.68	-0.78	-0.75	-0.86	-1.18	-0.94	-0.55	-0.22
MW-11	0.25	-0.02	-0.11	0.02	-0.17	-0.09	-0.19	-0.3	-0.35	-0.43	0.01	0.33	0.48
MW-12	0	0	0	0	0	0	0	0	0	0	0	0	0
PZ-1	2.59	2.92	2.74	2.19	2.76	5.18	5.61	6.02	4.64	4.34	3.15	2.21	2.31
MW-7D	6.49	7.24	7.49	6.28	7.3	8.72	9.29	9.83	7.85	9.25	8.57		7

	WATER LEVEL ELEVATION DIFFERENCE (FT.) RELATIVE TO MW-10 [2]											
WELL	**1/20/2005**	**2/22/2005**	**3/22/2005**	**4/28/2005**	**5/26/2005**	**6/28/2005**	**7/21/2005**	**8/25/2005**	**9/27/2005**	**10/19/2005**	**11/8/2005**	**12/6/2005**	**1/17/2006**
MW-1S	6.74	6.86	6.92	6.61	7.79	8.93	9.45	9.73	9.44	8.44	7.37	6.33	6.22
MW-2S	-1.31	-0.89	-0.65	-1.6	-0.49	1.31	1.53	1.61	1	-1.16	-0.98	-1.88	-2.03
MW-3S	-1.30	NA	-1.61	-1.32	-0.59	0.17	0.65	0.75	-0.41	-1.71	-1.55	-1.75	NA
MW-4S	-1.08	-1.17	-1.18	-0.89	-0.44	0.57	1.35	1.91	1.21	-0.38	-0.87	-1.2	-1.22
MW-5S	-1.22	-1.19	-1.36	-1.22	-0.27	0.94	1.65	2.15	2.16	-0.26	-1.04	-1.69	-1.59
MW-7S	6.69	7.23	7.52	6.65	7.32	8.76	9.65	10.2	7.73	10	8.92	7.29	6.62
MW-9S	-1.28	-1.39	-1.35	-1.12	-0.56	0.4	1.12	1.2	-0.01	-1.21	-1.29	-1.39	-1.34
PZ-1	3.34	3.69	3.56	2.87	3.51	5.86	6.39	6.77	5.5	5.52	4.09	2.76	2.53
MW-7D	7.24	8.01	8.31	6.96	8.05	9.4	10.07	10.58	8.71	10.43	9.51		7.22

Notes:
1) A negative number indicates an inward gradient.

2) NA indicates monitoring well was not accessible due to frozen conditions or excessive snow drifts

Table 2
Operational Data Summary
Tannery Road Landfill
Rome, New York

Pump Station at Tannery Road
Hour Meters

	1/20/2005	2/22/2005	3/22/2005	4/28/2005	5/26/2005	6/28/2005	7/21/2005	8/25/2005	9/27/2005	10/19/2005	11/8/2005	12/6/2005	1/17/2006	1/20/2005 - 1/17/2006
Pump #1	49,993	50,391	50,672	51,187	51,534	51,867	52,058	52,277	52,415	52,521	52,680	52,686	53,371	3,378
Pump #2	41,273	41,620	41,867	42,318	42,621	42,911	43,078	43,268	43,383	43,472	43,876	44,821	45,738	4,465

Totalizers in Meter Pit

	1/20/2005	2/22/2005	3/22/2005	4/28/2005	5/26/2005	6/28/2005	7/21/2005	8/25/2005	9/27/2005	10/19/2005	11/8/2005	12/6/2005	1/17/2006	Total Flow (Gallons) 1/20/2005 - 1/17/2006
RW-1	4,568,000	4,562,900	4,543,100	4,539,600	4,539,600	4,539,600	4,539,600	4,539,600	4,539,600	4,639,600	4,539,600	4,539,600	4,539,600	-28,400
RW-2	8,351,300	8,364,300	8,364,300	8,364,300	8,364,300	8,364,300	8,364,300	8,364,300	8,364,300	8,364,300	8,451,500	8,579,800	8,873,600	522,300
RW-3	2,636,900	2,684,100	2,722,300	2,763,800	2,809,000	2,846,500	2,862,200	2,871,900	2,871,900	2,882,700	2,900,600	2,947,600	3,018,300	381,400
RW-4	3,271,100	3,325,400	3,375,400	3,501,200	3,605,000	3,649,200	3,746,300	3,893,700	3,893,700	3,893,700	3,893,700	3,893,700	3,893,700	622,600
Total														1,497,900

Hour Meters

	1/20/2005	2/22/2005	3/22/2005	4/28/2005	5/26/2005	6/28/2005	7/21/2005	8/25/2005	9/27/2005	10/19/2005	11/8/2005	12/6/2005	1/17/2006	Total Hours Operated 1/20/2005 - 1/17/2006
RW-1	155,611	163,510	170,234	178,885	185,596	193,510	196,862	196,862	196,863	196,865	196,865	196,865	196,865	41,254
RW-2	148,676	156,575	163,299	171,950	178,661	186,575	192,297	200,442	203,350	203,357	205,936	211,663	221,754	73,078
RW-3	379,365	386,843	392,630	401,280	407,991	415,904	421,627	429,772	432,685	433,256	433,475	438,321	448,412	69,047
RW-4	229,337	237,236	243,960	252,611	259,322	267,235	272,957	281,102	284,014	284,015	284,015	284,015	284,015	54,678

FIGURES

APPENDIX A

ANALYTICAL DATA SUMMARY TABLES

03/23/04	06/22/04	09/28/04	12/16/04	03/22/05	06/28/05	09/27/05	12/06/05	NYSDEC Groud Water Standard
24	35	44	73	51	71	130	40	NS
5.22	**5.11**	**5.3**	**6.2**	6.66	**6.2**	6.8	7.4	6.5 - 8.5
4.2	11.5	15	7	4.3		12	6	NS
113	**73**	**29**	**140**	**124**	**120**	**5**	**68**	5
<0.030	0.059	0.14	<0.03	0.09	<0.03	1.3	<0.03	2
<4.0	<4	<4	<4	<4.0	<4.0	<4.0	<4	NS
<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	0.14	<0.1	2
18	27	7.9	9.7	22	27	30	**15**	NS
3.4	3.3	2.5	2.7	2.1	2.7	4.1	<1.0	250
		180					**160**	15
0.16	0.17	0.14	<0.1	<0.1	0.12	0.18	<0.1	10
7.4	**8.2**	**7.1**	6.6	7.3	6.8	6.4	6.6	250
<1.000	6	8	4	4	3	48	1	NS
		0.01					<0.01	0.2
32	20	52	14	14	50	**88**	36	500
7.8	3.7	5.4	<7	<7.0	7	7	6.3	NS
0.53	0.69	0.28	0.2	0.32	0.66	0.66	0.27	NS
4.1	8.6	3	3.2	5.5	8.3	11	3.4	NS
<0.002	<0.002	<0.002	<0.002	<0.010	<0.002	<0.002	<0.002	0.001
<0.5		<0.01					<0.5	1
<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
1.5	1.5	2.2	0.73	<1.0	2.8	15	1.7	NS
2.4	**2.3**	**1.1**	0.16	**4.2**	**5.9**	**13**	**3.2**	0.3*
<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.025
<1.0	<1	<1	0.25	<1.0	<1.0	2.6	<1	35 (GV)
0.049	0.1	0.061	0.014	0.049	0.1	**0.54**	0.046	0.3*
<1.0	<1	<1	0.27	<1.0	<1.0	2.9	<1	NS
1.1	1.2	1.2	0.74	<1.0	<1.0	2.5	1	20
2.1							2.8	NS
<0.01							<0.01	0.003
<0.01							<0.01	0.025
<0.2							<0.1	1
<0.01							<0.01	0.003 (GV)
<0.01							<0.01	0.05
<0.01							<0.01	0.05
<0.01							<0.01	NS
<0.01							<0.01	0.2
<0.0002							0.00042	0.0007
<0.01							<0.01	0.1
<0.01							<0.01	0.01
<0.01							<0.01	0.05
<0.01							**0.02**	0.0005 (GV)
<0.01							<0.01	NS
0.022							0.027	2
<1							<1	5
<1							<1	5
<1							<1	5
<1							<1	1
<1							<1	5
<1							<1	5
<1							<1	0.04
<1							<1	0.04
<1							<1	5
<1							<1	3
<1							<1	0.6
<1							<1	1
								3
							<5	5
<1							<1	3
<10							<5	50 (GV)
<10							<5	50 (GV)
<10							<5	NS
<10							<10	50 (GV)
<5							<20	5
<1							<1	1
<1							<1	5
<1							<1	50 (GV)
<1							<1	50 (GV)
<1							<1	5
<1							<1	60 (GV)

City of Rome
Tannery Road Landfill
Monitoring Well MW-1S
Ground Water Analtyical Data

Date	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/2003	03/23/04	06/22/04	09/28/04	12/16/04	03/22/05	06/28/05	09/27/05	12/06/05	NYSDEC Ground Water Standard
Field Parameter																													
Conductivity (µmhos/cm)	31	103	398	89	39	39	31	23	23	34	62	37	75	67	190	58	376	21	180	20	24	35	44	73	51	71	130	40	NS
pH (s.u.)	8.64	**5.97**	**6.37**	7	**5.85**	7.88	**6.45**	**5.27**	**6.18**	**4.95**	**5.89**	**6.23**	7.7	6.5	7.42		7.5	**4.9**	**6.24**	6.5	**5.22**	**5.11**	**5.3**	**6.2**	6.66	**6.2**	6.8	7.4	6.5 - 8.5
Temperature (deg C)	3.2	13.3	15.2	5.9	4.2	13	15.3		3.9	14.7	14.8	6.7	6	12.5	13.7	5.3	7.2	13	13.6	6	4.2	11.5	15	7	4.3		12	6	NS
Turbidity (NTU)	**785**	**925**	**560**	**140**	**222**	**161**	**527**	**195**	**316**	**186**	**88**	**90**	**145**	**68**	**126**	**8**	**65**	**556**	**52**	**50**	**113**	**73**	**29**	**140**	**124**	**120**	**5**	**68**	5
Part 360 Leachate Indicator Parameters																													
Ammonia-Nitrogen (mg/L)	<0.5	<0.5	**2**	<0.3	<0.3	<0.030	<0.030	<0.030	0.073	<0.030	0.089	<0.030	<0.030	<0.030	1.1	<0.030	0.14	<0.03	0.38	<0.03	<0.030	0.059	0.14	<0.03	0.09	<0.03	1.3	<0.03	2
Biochemical Oxygen Demand (BOD5) (mg/L)	8	<4.0	<2.0	2	<2.0	30	<2.0	<4.0		<4.0	<4.0	<4.0	<4.0	4.6	12	<4.0	8.6	<4	<4.0	<4	<4.0	<4	<4	<4	<4.0	<4.0	<4.0	<4	NS
Bromide (mg/L)	<0.2	<2.0	<2.0	<2.0	<2.0	**2.5**	<0.010	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.12	<0.100	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	0.14	<0.1	2
Chemical Oxygen Demand (mg/L)	52	100	25	14	12	6.7	96	19	36	26	34	14	24	45	66	9.9	<1.0	33	25	35	18	27	7.9	9.7	22	27	30	15	NS
Chloride (mg/L)	<1.0	31	28	3.7	2.3	**450**	3.3	2.5	2.9	2.4	3.8	2.5	2.7	2.7	6.4	2.6	36	3.8	8.2	2.5	3.4	3.3	2.5	2.7	2.1	2.7	4.1	<1.0	250
Color (Pt-Co)		46					**30**					**50**	**20**					8					**180**					**160**	15
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	0.4	0.3	0.18	0.1	<0.100	0.15	0.15	0.16	<0.100	0.15	<0.100	0.13	0.14	<0.1	0.15	<0.1	<0.1	0.16	0.17	0.14	<0.1	<0.1	0.12	0.18	<0.1	10
Sulfate (mg/L)	5	10	94	9.8	7.7	4.7	9.7	6.9	6.7	6.8	17	6.2	7	6	13	6.2	<1.0	7.9	15	6.9	7.4	8.2	7.1	6.6	7.3	6.8	6.4	6.6	250
Total Alkalinity (mg/L)	<10.0	37	84	7.8	9	1.9	15	1.2	1.4	2	12	1.9	<1.0	4	64	4	170	4	37	<1	<1.000	6	8	4	4	3	48	1	NS
Total Cyanide (mg/L)		<0.010					<0.010					<0.010	<0.010					<0.01					0.01					<0.01	0.2
Total Dissolved Solids (mg/L)	140	140	260	39	30	**1,900**	26	<4.0	14	56	190	<4.0	170	26	120	42	280	30	120	34	32	20	52	14	14	50	88	36	500
Total Hardness (mg/L)	19	120	136	14	23	8	16	7.7	10	8.6	20	9.8	6.6	7.3	60	7.6	210	12	58	<7	7.8	3.7	5.4	<7	<7.0	7	7	6.3	NS
Total Kjeldahl Nitrogen (mg/L)	<0.5	2.4	1.3	<0.3	0.6	0.3	1.3	0.39	0.62	0.62	0.6	0.23	0.13	0.42	1.7	0.25	<0.1	0.27	0.58	0.34	0.53	0.69	0.28	0.2	0.32	0.66	0.66	0.27	NS
Total Organic Carbon (mg/L)	14	34	7	7.8	15.3	4.4	29	5.5	16	11	13	11.3	8.3	14	26	10	5.5	5.6	10	14	4.1	8.6	3	3.2	5.5	8.3	11	3.4	NS
Total Phenols (mg/L)	<0.005	<0.005	<0.001	**0.004**	**0.001**	<0.002	**0.007**	**0.003**	<0.002	<0.002	<0.002	<0.002	<0.002	**0.012**	**0.003**	<0.002	**0.0046**	<0.002	<0.002	**0.0034**	<0.002	<0.002	<0.002	<0.002	<0.010	<0.002	<0.002	<0.002	0.001
Part 360 Routine Metals																													
Boron (mg/L)		<0.100				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5		<0.01					<0.5	1
Cadmium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	3.26	29.1	43.2	4.2	6.7	1.5	3.1	1.4	1.9	1.7	5.7	2.2	1	1.3	18	1.4	62	3.4	18	<1	1.5	1.5	2.2	0.73	<1.0	2.8	15	1.7	NS
Iron (mg/L)	**16.3**	**30.5**	**33.1**	**3.1**	**4.3**	**1.9**	**17**	**6.3**	**8.8**	**5.6**	**7.8**	**3.2**	**4.5**	**4.7**	**50**	**7.2**	**2**	**2.8**	**8.1**	**2.7**	**2.4**	**2.3**	**1.1**	0.16	**4.2**	**5.9**	**13**	**3.2**	0.3*
Lead (mg/L)	0.012	**0.029**	0.01	<0.005	<0.005	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	<1.0	<0.010	<0.010	0.02	<0.010	<0.01	<0.01	0.012	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.025
Magnesium (mg/L)	2.7	11.2	6.8	0.94	1.5	<1.0	2	1	1.3	1	1.5	<1.0	<1.0	<1.0	3.9	<1.0	14	<1.0	3.3	<1	<1.0	<1	<1	0.25	<1.0	<1.0	2.6	<1	35 (GV)
Manganese (mg/L)	0.257	**0.759**	**1.2**	0.17	0.12	0.04	0.23	0.075	0.11	0.093	0.19	0.07	0.11	0.069	0.74	0.045	0.23	0.06	**0.45**	0.031	0.049	0.1	0.061	0.014	0.049	0.1	**0.54**	0.046	0.3*
Potassium (mg/L)	1.99	5.39	2.9	0.7	3.3	<1.0	1.2	<1.0	1.1	<1.0	1.2	<1.0	<1.0	<1.0	3.1	<1.0	1.2	<1.0	2.7	<1	<1.0	<1	<1	0.27	<1.0	<1.0	2.9	<1	NS
Sodium (mg/L)	1.2	12.2	9.9	1.8	8.8	1.6	1.2	<1.0	1.2	<1.0	7.5	1.2	2.8	<1.0	4.9	<1.0	12	1.7	12	<1	1.1	1.2	1.2	0.74	<1.0	<1.0	2.5	1	20
Part 360 Additional Baseline Metals																													
Aluminum (mg/L)	32		25			5	8.9			3				2.1										2.8				NS	
Antimony (mg/L)	<0.015		**0.012**			<0.010	<0.010			<0.01				<0.01										<0.01				0.003	
Arsenic (mg/L)	0.018		<0.010			<0.010	<0.010			0.013				<0.01										<0.01				0.025	
Barium (mg/L)	0.431		<0.2			<0.2	<0.2			<0.2				<0.2										<0.1				1	
Beryllium (mg/L)	<0.003		<0.010			<0.010	<0.010			<0.01				<0.01										<0.01				0.003 (GV)	
Chromium (mg/L)	0.047		0.01			<0.010	<0.010			<0.01				<0.01										<0.01				0.05	
Chromium, Hexavalent (mg/L)	<0.010		<0.010			<0.010	<0.010			<0.01				<0.01										<0.01				0.05	
Cobalt (mg/L)	<0.020		<0.010			<0.010	<0.010			<0.01				<0.01										<0.01				NS	
Copper (mg/L)	0.041		0.022			<0.010	<0.010			0.012				<0.01										<0.01				0.2	
Mercury (mg/L)	<0.0002		0.00053			<0.0002	0.000300			<0.0002				<0.0002										0.00042				0.0007	
Nickel (mg/L)	0.039		0.012			<0.010	<0.010			<0.01				<0.01										<0.01				0.1	
Selenium (mg/L)	<0.005		<0.010			<0.010	<0.010			<0.01				<0.01										<0.01				0.01	
Silver (mg/L)	<0.010		<0.010			<0.010	<0.010			<0.01				<0.01										<0.01				0.05	
Thallium (mg/L)	<0.010		<0.010			<0.010	<0.010			<0.01				<0.01										**0.02**				0.0005 (GV)	
Vanadium (mg/L)	0.031		0.012			<0.010	<0.010			<0.01				<0.01										<0.01				NS	
Zinc (mg/L)	0.149		0.1			0.04	0.033			0.094				0.022										0.027				2	
Part 360 Volatile Organics																													
1,1,1,2-Tetrachloroethane (µg/L)	<5.0		<5.0			<5.0	<5.0			<5				<1										<1				5	
1,1,1-Trichloroethane (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				5	
1,1,2,2-Tetrachloroethane (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				5	
1,1,2-Trichloroethane (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				1	
1,1-Dichloroethane (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				5	
1,1-Dichloroethene (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				5	
1,2,3-Trichloropropane (µg/L)						<5.0	<5.0			<5				<1										<1				0.04	
1,2-Dibromo-3-chloropropane (µg/L)	<10.0		<5.0			<5.0	<5.0			<5				<1										<1				0.04	
1,2-Dibromoethane (EDB) (µg/L)	<5.0		<5.0			<5.0	<5.0			<5				<1										<1				5	
1,2-Dichlorobenzene (µg/L)	<5.0		<5.0			<5.0	<5.0			<5				<1										<1				3	
1,2-Dichloroethane (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				0.6	
1,2-Dichloropropane (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				1	
1,3-Dichlorobenzene (µg/L)	<5.0		<5.0			<5.0	<5.0																					3	
trans-1,4-Dichloro-2-butene (µg/L)	<10.0		<5.0			<10.0	<10.0																					5	
1,4-Dichlorobenzene (µg/L)	<5.0		<10.0			<10.0	<10.0			<5				<1										<1				3	
2-Butanone (MEK) (µg/L)	<10.0		<10.0			<10.0	<10.0		<10	<10				<10										<5				50 (GV)	
2-Hexanone (µg/L)	<10.0		<10.0			<10.0	<10.0		<10	<10				<10										<5				50 (GV)	
4-Methyl 2-pentanone (µg/L)	<10.0		<10.0			<20.0	<20.0		<10	<10				<10										<5				NS	
Acetone (µg/L)	<10.0		<20.0			<5.0	<5.0		11	<10				<10										<10				50 (GV)	
Acrylonitrile (µg/L)	<100		<5.0			<5.0	<5.0			<20				<5										<20				5	
Benzene (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				1	
Bromochloromethane (µg/L)	<5.0		<5.0			<5.0	<5.0			<5				<1										<1				5	
Bromodichloromethane (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				50 (GV)	
Bromoform (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				50 (GV)	
Bromomethane (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				5	
Carbon disulfide (µg/L)	<5.0		<5.0			<5.0	<5.0		<5	<5				<1										<1				60 (GV)	

City of Rome
Tannery Road Landfill
Monitoring Well MW-1S
Ground Water Analtyical Data

Date	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/2003	03/23/04	06/22/04	09/28/04	12/16/04	03/22/05	06/28/05	09/27/05	12/06/05	NYSDEC Ground Water Standard
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	5
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	50 (GV)
Dibromomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<5					<1					<1	5
Ethyl benzene (µg/L)		<5.0					<10.0					<10.0	<10.0				<5	<5					<1					<1	5
Iodomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<10					<10					<5	5
Methylene Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<10	<10					<10					<5	5
Styrene (µg/L)							<5					<5	<5				<5	<5					<1					<1	5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	5
trans-1,3-Dichloropropene (µg/L)		<5.0					<50.0					<50.0	<10.0				<5	<5					<1					<1	0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50					<50	<10					<10					<10					<5	5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	5
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20					<5					<5	NS
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	2
Xylenes (Total) (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
1,2-Dichloroethene - Total																	<5												5

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	3/12/2003	6/22/2004	9/28/2004	12/16/2004	3/22/2005	6/28/2005	9/27/2005	12/6/2005	NYSDEC Ground Water Standard
Field Parameters									
Conductivity (µmhos/cm)	381	270	253	300	235	288	245	270	NS
pH (s.u.)	6.7	6.73	6.98	6.8	7.62	6.96	7.45	6.7	6.5 - 8.5
Temperature (deg C)	6.3	12	13.7	8	7.6		11.5	9	NS
Turbidity (NTU)	**202**	**138**	**125**	**150**	**39**	**100**	**30**	**38**	5
Part 360 Leachate Indicator Parameters									
Ammonia-Nitrogen (mg/L)	**11**	**7.5**	**2.5**	1.6	**6.1**	**4.6**	**6.5**	**5.3**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	<10.0	7.3	7.5	4.7	<4.0	<4.0	4.5	<4	NS
Bromide (mg/L)	<0.1	<0.1	0.12	<0.1	<0.1	0.14	0.14	<0.1	2
Chemical Oxygen Demand (mg/L)	10	43	32	26	29	27	26	13	NS
Chloride (mg/L)	4.4	4.5	3.8	3.3	4	3.3	4.2	3.9	250
Color (Pt-Co)			**650**					**100**	15
Nitrate-Nitrogen (mg/L)	0.16	0.15	0.17	1.6	0.15	0.16	0.28	<0.1	10
Sulfate (mg/L)	77	38	33	22	30	24	31	32	250
Total Alkalinity (mg/L)	100	92	74	66	88	80	80	84	NS
Total Cyanide (mg/L)			<0.01					<0.01	0.2
Total Dissolved Solids (mg/L)	300	140	160	120	160	140	170	210	500
Total Hardness (mg/L)	130	100	90	69	89	73	80	93	NS
Total Kjeldahl Nitrogen (mg/L)	13	8.4	5	1.9	7.2	4.4	6.5	3.3	NS
Total Organic Carbon (mg/L)	13	9.1	8	7.9	7.6	2.3	10	8	NS
Total Phenols (mg/L)	<0.002	<0.002	<0.002	<0.002	<0.01	**0.0032**	<0.002	**0.0035**	0.001
Part 360 Routine Metals									
Boron (mg/L)			0.089					<0.5	1
Cadmium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	44	34	29	23	30	24	26	32	NS
Iron (mg/L)	**21**	**12**	**11**	**3.1**	**13**	**7.4**	**8.8**	**11**	0.3*
Lead (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	0.022	0.018	<0.01	0.025
Magnesium (mg/L)	6.3	4.1	3.9	3	3.6	3.2	3.8	3.3	35 (GV)
Manganese (mg/L)	**1.5**	**1**	**1.1**	**0.97**	**0.96**	**0.87**	**0.93**	**0.89**	0.3*
Potassium (mg/L)	21	13	17	12	12	11	12	11	NS
Sodium (mg/L)	5.7	2.4	3	2.7	1.4	2.2	2.2	2.6	20
Part 360 Additional Baseline Metals									
Aluminum (mg/L)			0.37					0.26	NS
Antimony (mg/L)			<0.01					<0.01	0.003
Arsenic (mg/L)			0.011					<0.01	0.025
Barium (mg/L)			0.23					0.23	1
Beryllium (mg/L)			<0.01					<0.01	0.003 (GV)
Chromium (mg/L)			<0.01					<0.01	0.05
Chromium, Hexavalent (mg/L)			<0.01					<0.01	0.05
Cobalt (mg/L)			<0.01					<0.01	NS
Copper (mg/L)			<0.01					<0.01	0.2
Mercury (mg/L)			<0.0002					<0.0002	0.0007
Nickel (mg/L)			<0.01					<0.01	0.1
Selenium (mg/L)			<0.01					<0.01	0.01
Silver (mg/L)			<0.01					<0.01	0.05
Thallium (mg/L)			<0.01					<0.01	0.0005 (GV)
Vanadium (mg/L)			0.012					<0.01	NS
Zinc (mg/L)			0.017					<0.01	2
Part 360 Volatile Organics									
1,1,1,2-Tetrachloroethane (µg/L)	<5		<1					<1	5
1,1,1-Trichloroethane (µg/L)	<5		<1					<1	5
1,1,2,2-Tetrachloroethane (µg/L)	<5		<1					<1	5
1,1,2-Trichloroethane (µg/L)	<5		<1					<1	1

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	3/12/2003	6/22/2004	9/28/2004	12/16/2004	3/22/2005	6/28/2005	9/27/2005	12/6/2005	NYSDEC Ground Water Standard
1,1-Dichloroethane (µg/L)	<5		<1					<1	5
1,1-Dichloroethene (µg/L)	<5		<1					<1	5
1,2,3-Trichloropropane (µg/L)	<5		<1					<1	0.04
1,2-Dibromo-3-chloropropane (µg/L)	<5		<1					<1	0.04
1,2-Dibromoethane (EDB) (µg/L)	<5		<1					<1	5
1,2-Dichlorobenzene (µg/L)	<5		<1					<1	3
1,2-Dichloroethane (µg/L)	<5		<1					<1	0.6
1,2-Dichloropropane (µg/L)	<5		<1					<1	1
1,3-Dichlorobenzene (µg/L)	<5		<1						3
1,4-Dichloro-2-butene (µg/L)	<5		<1					<5	5
1,4-Dichlorobenzene (µg/L)	<5		<1					<1	3
2-Butanone (MEK) (µg/L)	<10		<10					<5	50 (GV)
2-Hexanone (µg/L)	<10		<10					<5	50 (GV)
4-Methyl 2-pentanone (µg/L)	<10		<10					<5	NS
Acetone (µg/L)	<10		<10					<10	50 (GV)
Acrylonitrile (µg/L)	<5		<5					<20	5
Benzene (µg/L)	<5		<1					<1	1
Bromochloromethane (µg/L)	<5		<1					<1	5
Bromodichloromethane (µg/L)	<5		<1					<1	50 (GV)
Bromoform (µg/L)	<5		<1					<1	50 (GV)
Bromomethane (µg/L)	<5		<1					<1	5
Carbon disulfide (µg/L)	<5		<1					<1	60 (GV)
Carbon tetrachloride (µg/L)	<5		<1					<1	5
Chlorobenzene (µg/L)	<5		<1					<1	5
Chloroethane (µg/L)	<5		<1					<1	5
Chloroform (µg/L)	<5		<1					<1	7
Chloromethane (µg/L)	<5		<1					<1	5
cis-1,2-Dichloroethene (µg/L)	<5		<1					<1	5
cis-1,3-Dichloropropene (µg/L)	<5		<1					<1	0.4**
Dibromochloromethane (µg/L)	<5		<1					<1	50 (GV)
Dibromomethane (µg/L)	<5		<1					<1	5
Ethyl benzene (µg/L)	<5		<1					<1	5
Iodomethane (µg/L)	<5		<10					<5	5
Methylene Chloride (µg/L)	<10		<10					<5	5
Styrene (µg/L)	<5		<1					<1	5
Tetrachloroethene (µg/L)	<5		<1					<1	5
Toluene (µg/L)	<5		<1					<1	5
trans-1,2-Dichloroethene (µg/L)	<5		<1					<1	5
trans-1,3-Dichloropropene (µg/L)	<5		<1					<1	0.4**
trans-1,4-Dichloro-2-butene (µg/L)	<5		<10					<5	5
Trichloroethene (µg/L)	<5		<1					<1	5
Trichlorofluoromethane (µg/L)	<5		<1					<1	5
Vinyl Acetate (µg/L)	<5		<5					<5	NS
Vinyl Chloride (µg/L)	<5		<1					<1	2
Xylenes (Total) (µg/L)	<5		<1					<1	5
1,2-Dichloroethene - Total	<5								5

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03
Field Parameters																		
Conductivity (µmhos/cm)	4,440	3,980	3,690	3,270	3,800	3,650	3,370	3,390	3,130	2,870	2,150	2,680	2,390	1,600	1,250	1,490	Frozen	1,140
pH (s.u.)	6.58	6.82	6.74	**6.36**	6.65	6.92	6.63	6.59	**6.42**	**6.3**	6.68	6.71	6.46	6.83	8.2		Frozen	6.83
Temperature (deg C)	6.4	141	15.6	7.1	5.5	11.3	15.1	6.4	5	14	12.5	7.6	6.2	11.1	15.2	6.6	Frozen	12.1
Turbidity (NTU)	**88**	**482**	**357**	**167**	**77**	**78**	**132**	**49**	**35**	**31**	**56**	**42**	**32**		**14**	0	Frozen	**109**
Leachate Indicator Parameters																		
Ammonia-Nitrogen (mg/L)		**75**	**89**	**84**	**120**	**120**	**160**	**130**	**130**	**110**	**95**	**130**	**120**	**82**	**53**	**78**	Frozen	**78**
Biochemical Oxygen Demand (BOD5) (mg/L)	18	35	28	28	34	16	31	30		24	16	12	11	<10	35	<10	Frozen	14
Bromide (mg/L)	0.9	<2	<2	**4**	**3.8**	0.12	**3**	1.6	1.2	1.1	0.5	0.79	0.52	0.15	0.11	0.14	Frozen	<0.1
Chemical Oxygen Demand (mg/L)	930	320	<1	310	420	430	550	410	350	180	410	230	220	150	110	110	Frozen	93
Chloride (mg/L)	**560**	**560**	**430**	**320**	**350**	13	**370**	**400**	220	210	110	150	130	42	24	25	Frozen	5.7
Color (Pt-Co)		**290**					**1,200**					**750**	**900**				Frozen	**500**
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	0.28	<0.1	<0.1	<0.1	0.15	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	Frozen	0.15
Sulfate (mg/L)	<5	6	110	16	48	32	2.3	5.8	33	32	66	79	94	63	120	110	Frozen	94
Total Alkalinity (mg/L)	1,800	1,500	550	600	1,400	1,300	1,100	1,100	1,200	1,200	930	860	840	660	480	550	Frozen	410
Total Cyanide		<0.01					<0.01					<0.01	<0.01				Frozen	<0.01
Total Dissolved Solids (mg/L)	**2,600**	**2,200**	**2,280**	**1,710**	**1,930**	**250**	**2,100**	**1,600**	**1,500**	**1,500**	**1,100**	**1,200**	**1,100**	**680**	**610**	**580**	Frozen	430
Total Hardness (mg/L)	770	750	644	504	478	430	470	410	320	360	290	260	200	170	190	150	Frozen	120
Total Kjeldahl Nitrogen (mg/L)	85	85	99	89	120	170	160	130	150	130	100	120	140	76	61	32	Frozen	86
Total Organic Carbon (mg/L)	200	170	247	123	36	200	150	130	120	130	84	90	86	60	47	43	Frozen	22
Total Phenols (mg/L)	**0.009**	<0.005	**0.006**	**0.008**	**0.005**	**0.0038**	**0.0052**	**0.0031**	**0.0025**	**0.0032**	**0.0022**	**0.0034**	<0.002	**0.011**	**0.0038**	<0.002		<0.002
Part 360 Routine Metals																		
Boron (mg/L)		**2.2**				**2.5**	**2.4**			**1.2**	**1.3**	**1.6**	**1.4**	**1.1**	**1**		Frozen	<0.5
Cadmium (mg/L)		0.0084	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Frozen	<0.01
Calcium (mg/L)	216	212	171	134	123	110	120	110	87	99	82	73	52	49	56	46	Frozen	39
Iron (mg/L)	**64.4**	**66.6**	**55.8**	**40.8**	**45.6**	**48**	**48**	**34**	**34**	**34**	**26**	**30**	**24**	**15**	**29**	**14**	Frozen	**12**
Lead (mg/L)	<0.003	0.0123	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Frozen	<0.01
Magnesium (mg/L)	**55.7**	**54.7**	**52.6**	**41**	**41.5**	**37**	**39**	33	25	28	20	20	15	11	11	9.1	Frozen	6.9
Manganese (mg/L)	**1.96**	**1.87**	**1.6**	**1.4**	**1.3**	**1.3**	**1.5**	**1.2**	**1.1**	**1.2**	**0.95**	**0.91**	**0.74**	**0.6**	**0.63**	**0.5**	Frozen	**0.43**
Potassium (mg/L)	202	191	210	160	160	210	230	210	170	170	140	150	140	110	79	97	Frozen	93
Sodium (mg/L)	**960**	**417**	**310**	**310**	**300**	**320**	**510**	**370**	**320**	**370**	**220**	**250**	**210**	**92**	**54**	**76**	Frozen	16
Part 360 Baseline Metals																		
Aluminum (mg/L)		4.04					1.8					1	0.91					1.3
Antimony (mg/L)		<0.015					0.043					<0.01	<0.01					<0.01
Arsenic (mg/L)		<0.01					0.01					<0.01	<0.01					0.011
Barium (mg/L)		**1.25**					**1.3**					0.61	0.5					0.27
Beryllium (mg/L)		<0.003					0.01					<0.01	<0.01					<0.01
Chromium (mg/L)		0.0222					0.025					0.015	0.018					0.011
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.5					<0.01
Cobalt (mg/L)		<0.02					0.013					<0.01	<0.01					<0.01
Copper (mg/L)		0.0163					<0.01					<0.01	<0.01					<0.01
Mercury (mg/L)		<0.0002					<0.0002					0.007	<0.0002					<0.0002
Nickel (mg/L)		<0.03					0.033					0.019	0.027					<0.01
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01
Thallium (mg/L)		0.0139					<0.01					<0.01	<0.01					<0.01
Vanadium (mg/L)		0.0457					0.075					0.042	0.051					0.027
Zinc (mg/L)		0.107					0.062					0.025	0.021					0.091
Volatile Organics																		
1,1,1,2-Tetrachloroethane (µg/L)							<5					<5	<5				Frozen	<5
1,1,1-Trichloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5
1,1,2,2-Tetrachloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5
1,1,2-Trichloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5
1,1-Dichloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5
1,1-Dichloroethene (µg/L)		<5					<5					<5	<5				Frozen	<5
1,2,3-Trichloropropane (µg/L)							<5					<5	<5				Frozen	<5
1,2-Dibromo-3-chloropropane (µg/L)		<10					<5					<5	<5				Frozen	<5
1,2-Dibromoethane (EDB) (µg/L)		<5					<5					<5	<5				Frozen	<5
1,2-Dichlorobenzene (µg/L)		<5					<5					<5	<5				Frozen	<5

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03
1,2-Dichloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5
1,2-Dichloropropane (µg/L)		<5					<5					<5	<5				Frozen	<5
1,3-Dichlorobenzene (µg/L)		<5																
trans-1,4-Dichloro-2-butene (µg/L)		<10																
1,4-Dichlorobenzene (µg/L)		<5					<5					<5	<5				Frozen	<5
2-Butanone (MEK) (µg/L)		<10					<10					<10	<10				Frozen	<10
2-Hexanone (µg/L)		<10					<10					<10	<10				Frozen	<10
4-Methyl 2-pentanone (µg/L)		<10					<10					<10	<10				Frozen	<10
Acetone (µg/L)		21					<10					<10	<10				Frozen	<10
Acrylonitrile (µg/L)		<<100					<20					<20	<20				Frozen	<20
Benzene (µg/L)		<5					<5					<5	<5				Frozen	<5
Bromochloromethane (µg/L)		<5					<5					<5	<5				Frozen	<5
Bromodichloromethane (µg/L)		<5										<5	<5				Frozen	<5
Bromoform (µg/L)		<5					<5					<5	<5				Frozen	<5
Bromomethane (µg/L)		<5					<5					<5	<5				Frozen	<5
Carbon disulfide (µg/L)		6					<5					<5	<5				Frozen	<5
Carbon tetrachloride (µg/L)		<5					<5					<5	<5				Frozen	<5
Chlorobenzene (µg/L)		<5					<5					<5	<5				Frozen	<5
Chloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5
Chloroform (µg/L)		<5					<5					<5	<5				Frozen	<5
Chloromethane (µg/L)		<5					<5					<5	<5				Frozen	<5
cis-1,2-Dichloroethene (µg/L)		<5					<5					<5	<5				Frozen	<5
cis-1,3-Dichloropropene (µg/L)		<5					<5					<5	<5				Frozen	<5
Dibromochloromethane (µg/L)		<5					<5					<5	<5				Frozen	<5
Dibromomethane (µg/L)		<5					<5					<5	<5				Frozen	<5
Ethyl benzene (µg/L)		<5					<5					<5	<5				Frozen	<5
Iodomethane (µg/L)		<5					<20					<20	<10				Frozen	<10
Methylene Chloride (µg/L)		<5					<10					<10	<10				Frozen	<10
Styrene (µg/L)							<5					<5	<5				Frozen	<5
Tetrachloroethene (µg/L)		<5					<5					<5	<5				Frozen	<5
Toluene (µg/L)		<5					<5					<5	<5				Frozen	<5
trans-1,2-Dichloroethene (µg/L)		<5					<5					<5	<5				Frozen	<5
trans-1,3-Dichloropropene (µg/L)		<5					<5					<5	<5				Frozen	<5
trans-1,4-Dichloro-2-butene (µg/L)							<50					<50	<10				Frozen	<10
Trichloroethene (µg/L)		<5					<5					<5	<5				Frozen	<5
Trichlorofluoromethane (µg/L)		<5					<5					<5	<5				Frozen	<5
Vinyl Acetate (µg/L)		<50					<20					<20	<20				Frozen	<20
Vinyl Chloride (µg/L)		<5					<5					<5	<5				Frozen	<5
Xylenes (Total) (µg/L)		<5					<5					<5	<5				Frozen	<5

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	09/17/03	12/16/03	03/23/04	06/22/04	09/28/04	12/16/04	03/22/05	06/28/05	09/27/05	12/06/05	NYSDEC Ground Water Standards
Field Parameters											
Conductivity (µmhos/cm)	1,150	1,000	Frozen	815	841	2,400	623	2,331	726	630	NS
pH (s.u.)	6.98	7.1	Frozen	6.6	6.57	6.7	6.97	6.75	6.95	**6.2**	6.5 - 8.5
Temperature (deg C)	15	7	Frozen	11.7	14	7	5.5		12.5	8	NS
Turbidity (NTU)	**60**	**70**	Frozen	**11**	**86**	**95**	**71**	**93**	**25**	**88**	5
Leachate Indicator Parameters											
Ammonia-Nitrogen (mg/L)	**72**	**75**	Frozen	**53**	**56**	**52**	**45**	**50**	**39**	**36**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	<4.0	17	Frozen	12	16	<10	<4.0	24	5.1	<4	NS
Bromide (mg/L)	<0.1	<0.1	Frozen	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2
Chemical Oxygen Demand (mg/L)	96	120	Frozen	83	84	110	72	70	61	40	NS
Chloride (mg/L)	10	4.4	Frozen	4.1	3.3	2.2	3.6	3.7	3.2	<1	250
Color (Pt-Co)	<0.1	0.17	Frozen		**750**					**340**	15
Nitrate-Nitrogen (mg/L)			Frozen	0.18	0.15	<0.1	0.16	0.29	<0.1	<0.1	10
Sulfate (mg/L)	49	52	Frozen	55	36	6.3	42	37	24	30	250
Total Alkalinity (mg/L)	450	370	Frozen	360	340	340	340	350	310	260	NS
Total Cyanide	490	350	Frozen		<0.01					<0.01	0.2
Total Dissolved Solids (mg/L)			Frozen	370	350	320	350	390	340	280	500
Total Hardness (mg/L)	190	100	Frozen	120	100	110	130	120	110	110	NS
Total Kjeldahl Nitrogen (mg/L)	63	64	Frozen	63	50	28	35	44	35	28	NS
Total Organic Carbon (mg/L)	35	43	Frozen	30	26	35	23	24	21	19	NS
Total Phenols (mg/L)	<0.002	**0.0053**		<0.002	<0.002	<0.002	<0.01	**0.0038**	**0.0021**	**0.0039**	0.001
Part 360 Routine Metals											
Boron (mg/L)	0.85	<0.5	Frozen		0.37					<0.5	1
Cadmium (mg/L)	<0.01	<0.01	Frozen	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	59	32	Frozen	37	29	30	36	31	32	29	NS
Iron (mg/L)	**14**	**29**	Frozen	**11**	**9.3**	**22**	**15**	**10**	**16**	**14**	0.3*
Lead (mg/L)	0.011	<0.01	Frozen	<0.01	<0.01	<0.01	<0.01	**0.044**	<0.01	<0.01	0.025
Magnesium (mg/L)	10	5.3	Frozen	7.3	6.8	7.5	9.5	9.3	8.2	8.5	35 (GV)
Manganese (mg/L)	**0.61**	**0.36**	Frozen	0.043	**0.38**	**0.39**	**0.47**	**0.4**	**0.43**	**0.45**	0.3*
Potassium (mg/L)	94	79	Frozen	110	110	66	70	74	66	60	NS
Sodium (mg/L)	**27**	10	Frozen	9.3	6.1	6.5	6.7	5.2	5.1	2.6	20
Part 360 Baseline Metals											
Aluminum (mg/L)					0.44					2.5	NS
Antimony (mg/L)					<0.01					<0.01	0.003
Arsenic (mg/L)					0.012					0.019	0.025
Barium (mg/L)					<0.2					0.16	1
Beryllium (mg/L)					<0.01					<0.01	0.003 (GV)
Chromium (mg/L)					<0.01					<0.01	0.05
Chromium, Hexavalent (mg/L)					<0.01					<0.01	0.05
Cobalt (mg/L)					<0.01					<0.01	NS
Copper (mg/L)					<0.01					<0.01	0.2
Mercury (mg/L)					<0.0002					<0.0002	0.0007
Nickel (mg/L)					0.011					<0.01	0.1
Selenium (mg/L)					<0.01					<0.01	0.01
Silver (mg/L)					<0.01					<0.01	0.05
Thallium (mg/L)					<0.01					<0.01	0.0005 (GV)
Vanadium (mg/L)					0.018					0.014	NS
Zinc (mg/L)					0.02					0.018	2
Volatile Organics											
1,1,1,2-Tetrachloroethane (µg/L)					<1					<1	5
1,1,1-Trichloroethane (µg/L)					<1					<1	5
1,1,2,2-Tetrachloroethane (µg/L)					<1					<1	5
1,1,2-Trichloroethane (µg/L)					<1					<1	1
1,1-Dichloroethane (µg/L)					<1					<1	5
1,1-Dichloroethene (µg/L)					<1					<1	5
1,2,3-Trichloropropane (µg/L)					<1					<1	0.04
1,2-Dibromo-3-chloropropane (µg/L)					<1					<1	0.04
1,2-Dibromoethane (EDB) (µg/L)					<1					<1	5
1,2-Dichlorobenzene (µg/L)					<1					<1	3

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	09/17/03	12/16/03	03/23/04	06/22/04	09/28/04	12/16/04	03/22/05	06/28/05	09/27/05	12/06/05	NYSDEC
1,2-Dichloroethane (µg/L)					<1					<1	0.6
1,2-Dichloropropane (µg/L)					<1					<1	1
1,3-Dichlorobenzene (µg/L)											3
trans-1,4-Dichloro-2-butene (µg/L)										<5	5
1,4-Dichlorobenzene (µg/L)					<1					<1	3
2-Butanone (MEK) (µg/L)					<10					<5	50 (GV)
2-Hexanone (µg/L)					<10					<5	50 (GV)
4-Methyl 2-pentanone (µg/L)					<10					<5	NS
Acetone (µg/L)					<10					<10	50 (GV)
Acrylonitrile (µg/L)					<5					<20	5
Benzene (µg/L)					<1					<1	1
Bromochloromethane (µg/L)					<1					<1	5
Bromodichloromethane (µg/L)					<1					<1	50 (GV)
Bromoform (µg/L)					<1					<1	50 (GV)
Bromomethane (µg/L)					<1					<1	5
Carbon disulfide (µg/L)					<1					<1	60 (GV)
Carbon tetrachloride (µg/L)					<1					<1	5
Chlorobenzene (µg/L)					<1					<1	5
Chloroethane (µg/L)					<1					<1	5
Chloroform (µg/L)					<1					<1	7
Chloromethane (µg/L)					<1					<1	5
cis-1,2-Dichloroethene (µg/L)					<1					<1	5
cis-1,3-Dichloropropene (µg/L)					<1					<1	0.4**
Dibromochloromethane (µg/L)					<1					<1	50 (GV)
Dibromomethane (µg/L)					<1					<1	5
Ethyl benzene (µg/L)					<1					<1	5
Iodomethane (µg/L)					<10					<5	5
Methylene Chloride (µg/L)					<10					<5	5
Styrene (µg/L)					<1					<1	5
Tetrachloroethene (µg/L)					<1					<1	5
Toluene (µg/L)					<1					<1	5
trans-1,2-Dichloroethene (µg/L)					<1					<1	5
trans-1,3-Dichloropropene (µg/L)					<1					<1	0.4**
trans-1,4-Dichloro-2-butene (µg/L)					<10					<5	5
Trichloroethene (µg/L)					<1					<1	5
Trichlorofluoromethane (µg/L)					<1					<1	5
Vinyl Acetate (µg/L)					<5					<5	NS
Vinyl Chloride (µg/L)					<1					<1	2
Xylenes (Total) (µg/L)					<1					<1	5
											5

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05
Field Parameter																										
Conductivity (µmhos/cm)	672	1,590	2,010	444	338	334	429	374	204	247	555	177	125	161	807	163	137	123	685	207	164	203	224	450	93	437
pH (s.u.)	7.05	**6.43**	**6.23**	7.11	**6.18**	**6.36**	**6.14**	**6.04**	**5.81**	**5.7**	**6.07**	**6.07**	**5.96**	**6.05**	8.3		**5.7**	**5.96**	**6.14**	**5.5**	**5.64**	**5.2**	**5.75**	**6.1**	**6.36**	**6.16**
Temperature (deg C)	5.7	15.8	15	7.1	6.3	11	14.3	6.8	5.3	15.6	12.7	7.7	5.9	11.5	13.5	6.8	5.5	14.4	15.3	6	4.9	12.3	14.8	7	4.7	
Turbidity (NTU)	**137**	**77**	**87**	**86**	**40**	**79**	**58**	**33**	**29**	**24**	**19**	**18**	**17**		**91**	0	**25**	**147**	**116**	**6**	**10**	**341**	**46**	**70**	0	**66**
Part 360 Leachate Indicator Parameters																										
Ammonia-Nitrogen (mg/L)	**26**	**<0.5**	**90**	**15**	**14**	**15**	**24**	**18**	**7.4**	**9.8**	**32**	**3.1**	**1.7**	**3.5**	**39**	**2.3**	**2.6**	1.7	**35**	**4.2**	**3.8**	**5.9**	**3.6**	0.84	0.64	**11**
Biochemical Oxygen Demand (BOD5) (mg/L)	62	6	34	24	23	<2.0	14	<20.0		12	25	<10.0	<10.0	<10.0	49	<10.0	6.6	4.7	15	<4	<4.0	4.3	<4	<4	<4.0	<10
Bromide (mg/L)	<0.2	<0.2	<2.0	<2.0	<2.0	<0.1	<0.1	<0.1	<0.1	0.12	0.24	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.10	0.12
Chemical Oxygen Demand (mg/L)	540	44	22	110	120	110	160	140	110	98	160	88	62	84	230	44	54	75	220	87	74	98	120	130	93	170
Chloride (mg/L)	50	3	200	23	100	2.7	21	16	7.1	8.7	43	5.6	4.5	5.3	99	4.6	5.3	3.8	98	4.8	2.5	8.4	7.4	3.2	3.7	12
Color (Pt-Co)		140					**250**					**300**	**250**					**175**					**550**			
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	0.6	0.3	0.15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.25	0.13	<0.1	0.15	<0.1	<0.1	<0.1	<0.1	0.14	0.12
Sulfate (mg/L)	24	32	11	56	52	28	40	35	11	17	49	27	17	15	20	39	24	14	25	31	3.2	26	20	8	4.8	26
Total Alkalinity (mg/L)	200	120	660	110	99	99	140	100	57	91	170	23	27	48	280	20	24	34	200	30	41	54	60	32	40	76
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01			
Total Dissolved Solids (mg/L)	320	**5,100**	**810**	330	240	160	340	250	170	200	300	180	160	150	**530**	130	150	140	**560**	80	130	190	190	130	100	220
Total Hardness (mg/L)	42	110	94	49	36	41	46	44	31	40	56	42	34	36	77	42	35	35	130	37	36	43	37	34	36	43
Total Kjeldahl Nitrogen (mg/L)	26	0.8	70	4.6	12	23	24	20	8.2	12	34	4.6	2.1	4.9	47	2.4	2.8	2	35	4.3	3.1	5.9	6.4	1.3	1.2	15
Total Organic Carbon (mg/L)	71	21	47.8	35.5	39.3	45	56	62	42	43	61	33	30	41	84	21	24	27	78	32	29	38	40	48	28	44
Total Phenols (mg/L)	**0.056**	<0.005	**0.008**	**0.012**	**0.003**	**0.0023**	**0.0028**	**0.0028**	<0.002	**0.003**	**0.0024**	<0.002	**0.0022**	**0.0093**	**0.0056**	**0.0022**	<0.002	<0.002	**0.0045**	**0.0036**	<0.002	<0.002	**0.0079**	<0.002	<0.01	<0.002
Part 360 Routine Metals																										
Boron (mg/L)		<0.1				0.53	0.71			<0.5	0.65	<0.5	<0.5	<0.5	**1.1**			<0.01	**1.4**	<0.5	<0.5		0.28			
Cadmium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	11.2	29.8	24.4	12.6	9.1	10	12	11	7.7	9.6	14	10	8.5	8.8	20	10	8.7	8.7	34	9.1	8.8	11	9.3	8.5	8.6	11
Iron (mg/L)	**5.2**	**32.8**	**10.3**	**5.3**	**4.4**	**3.9**	**5.5**	**6.5**	**4.9**	**6.6**	**6.9**	**6.6**	**5.2**	**5.2**	**21**	**4.8**	**4.2**	**3.9**	**9.4**	**3.4**	**4**	**4.1**	**4.3**	**6.4**	**5.1**	**5**
Lead (mg/L)	<0.003	0.0085	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.012
Magnesium (mg/L)	3.35	8.28	8.1	4.3	3.2	3.7	4.1	4.2	3	3.9	4.9	4	3.2	3.3	6.3	3.8	3.2	3.1	10	3.5	3.5	3.8	3.3	3.1	3.5	3.8
Manganese (mg/L)	**0.335**	**4.11**	**0.62**	**0.41**	**0.31**	**0.33**	**0.35**	**0.38**	**0.3**	**0.37**	**0.48**	**0.38**	**0.32**	**0.32**	**0.55**	0.27	0.24	0.22	**0.88**	0.2	0.24	**0.3**	0.25	0.23	0.25	0.28
Potassium (mg/L)	28.6	4.86	57	34.2	24.1	33	31	35	16	24	33	14	9.7	11	42	13	10	10	48	12	12	16	17	5.1	4.5	14
Sodium (mg/L)	**35.8**	3.43	**150**	**27.9**	18.1	21	**32**	18	7.4	13	46	5.7	5.2	4	81	4.6	4.7	3.1	**100**	4	4.5	9.3	8.2	1.3	0.74	9.4
Part 360 Additional Basiline Metals																										
Aluminum (mg/L)		2.77					1.8					1.1	1.2					1.4					1.4			
Antimony (mg/L)		<0.015					<0.01					<0.01	<0.01					<0.01					<0.01			
Arsenic (mg/L)		**0.027**					<0.01					<0.01	<0.01					0.011					<0.01			
Barium (mg/L)		0.0855					<0.2					<0.2	<0.2					<0.2					<0.2			
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01			
Chromium (mg/L)		0.0097					<0.01					<0.01	<0.01					<0.01					<0.01			
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01			
Cobalt (mg/L)		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01			
Copper (mg/L)		0.0258					<0.01					<0.01	<0.01					<0.01					<0.01			
Mercury (mg/L)		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002					<0.0002			
Nickel (mg/L)		<0.03					0.021					<0.01	<0.01					<0.01					<0.01			
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01			
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01			
Thallium (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01			
Vanadium (mg/L)		<0.3					0.011					<0.01	<0.01					<0.01					<0.01			
Zinc (mg/L)		0.0508					0.032					0.012	0.024					0.049					0.019			
Part 360 Volatile Organics																										
1,1,1,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1			
1,1,1-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	9/27/05	12/6/05	NYSDEC Ground Water Standard
Field Parameter			
Conductivity (µmhos/cm)	1,200	160	NS
pH (s.u.)	**6.35**	**6**	6.5 - 8.5
Temperature (deg C)	12.5	8	NS
Turbidity (NTU)	**25**	0	5
Part 360 Leachate Indicator Parameters			
Ammonia-Nitrogen (mg/L)	**41**	**3**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	20	<4	NS
Bromide (mg/L)	0.54	<0.1	2
Chemical Oxygen Demand (mg/L)	350	46	NS
Chloride (mg/L)	110	4.2	250
Color (Pt-Co)		**70**	15
Nitrate-Nitrogen (mg/L)	<0.1	<0.1	10
Sulfate (mg/L)	14	35	250
Total Alkalinity (mg/L)	320	24	NS
Total Cyanide (mg/L)		<0.01	0.2
Total Dissolved Solids (mg/L)	**610**	130	500
Total Hardness (mg/L)	83	44	NS
Total Kjeldahl Nitrogen (mg/L)	37	31	NS
Total Organic Carbon (mg/L)	100	24	NS
Total Phenols (mg/L)	<0.002	<0.002	0.001
Part 360 Routine Metals			
Boron (mg/L)		<0.5	1
Cadmium (mg/L)	<0.01	<0.01	0.005
Calcium (mg/L)	23	12	NS
Iron (mg/L)	**6.9**	**3.6**	0.3*
Lead (mg/L)	<0.01	<0.01	0.025
Magnesium (mg/L)	5.8	3.6	35 (GV)
Manganese (mg/L)	**0.7**	0.24	0.3*
Potassium (mg/L)	60	8.9	NS
Sodium (mg/L)	**110**	3.1	20
Part 360 Additional Basiline Metals			
Aluminum (mg/L)		0.75	NS
Antimony (mg/L)		<0.01	0.003
Arsenic (mg/L)		<0.01	0.025
Barium (mg/L)		<0.1	1
Beryllium (mg/L)		<0.01	0.003 (GV)
Chromium (mg/L)		<0.01	0.05
Chromium, Hexavalent (mg/L)		<0.01	0.05
Cobalt (mg/L)		<0.01	NS
Copper (mg/L)		<0.01	0.2
Mercury (mg/L)		<0.0002	0.0007
Nickel (mg/L)		<0.01	0.1
Selenium (mg/L)		**0.017**	0.01
Silver (mg/L)		<0.01	0.05
Thallium (mg/L)		<0.01	0.0005 (GV)
Vanadium (mg/L)		<0.01	NS
Zinc (mg/L)		0.016	2
Part 360 Volatile Organics			
1,1,1,2-Tetrachloroethane (µg/L)		<1	5
1,1,1-Trichloroethane (µg/L)		<1	5
1,1,2,2-Tetrachloroethane (µg/L)		<1	5
1,1,2-Trichloroethane (µg/L)		<1	1

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	9/27/05	12/6/05	NYSDEC Ground Water Standard
1,1-Dichloroethane (µg/L)		<1	5
1,1-Dichloroethene (µg/L)		<1	5
1,2,3-Trichloropropane (µg/L)		<1	0.04
1,2-Dibromo-3-chloropropane (µg/L)		<1	0.04
1,2-Dibromoethane (EDB) (µg/L)		<1	5
1,2-Dichlorobenzene (µg/L)		<1	3
1,2-Dichloroethane (µg/L)		<1	0.6
1,2-Dichloropropane (µg/L)		<1	1
1,3-Dichlorobenzene (µg/L)			<5
trans-1,4-Dichloro-2-butene (µg/L)		<5	<5
1,4-Dichlorobenzene (µg/L)		<1	3
2-Butanone (MEK) (µg/L)		<5	50 (GV)
2-Hexanone (µg/L)		<5	50 (GV)
4-Methyl 2-pentanone (µg/L)		<5	NS
Acetone (µg/L)		<10	50 (GV)
Acrylonitrile (µg/L)		<20	5
Benzene (µg/L)		<1	1
Bromochloromethane (µg/L)		<1	5
Bromodichloromethane (µg/L)		<1	50 (GV)
Bromoform (µg/L)		<1	50 (GV)
Bromomethane (µg/L)		<1	5
Carbon disulfide (µg/L)		<1	60 (GV)
Carbon tetrachloride (µg/L)		<1	5
Chlorobenzene (µg/L)		<1	5
Chloroethane (µg/L)		<1	5
Chloroform (µg/L)		<1	7
Chloromethane (µg/L)		<1	5
cis-1,2-Dichloroethene (µg/L)		<1	5
cis-1,3-Dichloropropene (µg/L)		<1	0.4**
Dibromochloromethane (µg/L)		<1	50 (GV)
Dibromomethane (µg/L)		<1	5
Ethyl benzene (µg/L)		<1	5
Iodomethane (µg/L)		<5	5
Methylene Chloride (µg/L)		<5	5
Styrene (µg/L)		<1	5
Tetrachloroethene (µg/L)		<1	5
Toluene (µg/L)		<1	5
trans-1,2-Dichloroethene (µg/L)		<1	5
trans-1,3-Dichloropropene (µg/L)		<1	0.4**
trans-1,4-Dichloro-2-butene (µg/L)		<5	5
Trichloroethene (µg/L)		<1	5
Trichlorofluoromethane (µg/L)		<1	5
Vinyl Acetate (µg/L)		<5	NS
Vinyl Chloride (µg/L)		<1	2
Xylenes (Total) (µg/L)		<1	5
1,2-Dichloroethene - Total			5

City of Rome
Tannery Road Landfill
MW-5S
Ground Water Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04
Field Parameter																					
Conductivity (µmhos/cm)	869	340	308	195	540	230	167	219	456	163	433	227	232	223	112	252	227	208	102	230	306
pH (s.u.)	7.56	6.75	**6.48**	7.3	**6.46**	6.75	6.85	6.67	**6.26**	6.5	6.75	6.84	6.57	6.85	**5.67**		6.5	6.77	6.85	6.9	**6.15**
Temperature (deg C)	5.2	16.2	13.1	7	6.5	10.9	12.8	6.6	6	14.6	11.6	7.7	4.8	10.1	13.2	6.9	5.5	13.1	14.3	7	5.4
Turbidity (NTU)	**64**	**533**	**204**	**162**	**74**	**55**	**198**	**46**	**35**	**42**	**68**	**36**	**47**		**837**	0	**27**	**334**	**202**	**140**	**41**
Part 360 Leachate Indicator Parameters																					
Ammonia-Nitrogen (mg/L)	1.5	<0.5	<0.3	<0.3	<0.3	0.11	0.11	0.34	1.3	0.34	1.4	0.43	0.82	0.26	0.09	0.57	0.65	0.71	0.058	0.4	0.83
Biochemical Oxygen Demand (BOD5) (mg/L)	11	11	2	2	62	20	<2.0	<4.0		<4.0	4.7	<4.0	<4.0	<4.0	9.5	<4.0	<4.0	<4	<4.0	<4	<4.0
Bromide (mg/L)	<0.2	<0.2	<2.0	<2.0	<2.0	1.3	<0.1	<0.1	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	71	45	32	20	36	24	32	26	37	5.2	43	23	31	18	62	20	16	69	22	32	25
Chloride (mg/L)	14	3	2.4	3.2	5.9	94	2.9	2.3	5	2.9	6	3.2	3.1	2.9	2.6	2.8	4.1	4	3.2	4.3	4.2
Color (Pt-Co)		**110**					**30**					**75**	**150**					**125**			
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	0.8	0.6	0.16	0.1	<0.1	<0.1	0.22	<0.1	<0.1	<0.1	<0.1	0.19	<0.1	<0.1	0.15	0.12	0.18	<0.1
Sulfate (mg/L)	37	40	28	31	51	16	44	60	42	34	53	36	23	18	21	23	21	22	16	14	21
Total Alkalinity (mg/L)	470	170	300	58	260	120	52	47	200	50	190	68	82	80	40	110	97	86	32	100	110
Total Cyanide (mg/L)		<0.01										<0.01	<0.01					<0.01			
Total Dissolved Solids (mg/L)	430	130	230	150	360	730	140	150	300	120	240	200	78	110	180	170	160	170	92	160	180
Total Hardness (mg/L)	320	130	148	81	228	120	96	110	200	78	230	110	110	93	110	120	130	120	66	110	130
Total Kjeldahl Nitrogen (mg/L)	3.1	1.1	0.9	0.4	<0.3	0.61	0.69	0.8	1.8	0.67	1.6	0.62	0.89	0.39	1.4	0.63	0.66	0.79	0.37	0.59	1.3
Total Organic Carbon (mg/L)	22	15	15.1	17.1	16.8	9.7	9.1	8.5	13	7.2	13	9.6	11	6.5	22	8.1	8.1	10	5.7	10	8.9
Total Phenols (mg/L)	<0.005	<0.005	<0.001	**0.003**	**0.001**	**0.0024**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0097**	**0.0033**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Part 360 Routine Metals																					
Boron (mg/L)		<0.1				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5
Cadmium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	97.8	35	43	23.3	69.9	35	27	31	64	23	72	35	35	30	27	41	42	39	20	35	42
Iron (mg/L)	**31.4**	**20.8**	**14.2**	**9.3**	**24.8**	**7.6**	**11**	**8**	**15**	**10**	**15**	**6.1**	**12**	**8.2**	**97**	**11**	**10**	**11**	**13**	**30**	9
Lead (mg/L)	<0.003	0.0056	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	18.6	10.2	9.8	5.5	13	7.9	6.7	7.3	10	5.1	12	6	5.3	4.2	9.5	5	5.3	4.8	4	4.9	5.7
Manganese (mg/L)	**12.2**	**4.16**	**6.5**	**2.6**	**8.5**	**2.8**	**1.4**	**1.8**	**2.6**	**0.37**	**2.5**	**1.4**	**1.6**	**1.4**	**3.6**	**1.4**	**0.92**	**0.65**	**0.48**	**1**	**0.67**
Potassium (mg/L)	8.94	4.89	3.4	3.8	6.6	5	4.7	5.1	8.8	24	9.4	5.6	4.4	4.2	5.1	5	4.7	4.6	3.3	4.7	5.1
Sodium (mg/L)	12.1	3.34	11	3.1	5.3	1.9	1.3	<1.0	3.8	13	4.8	1.4	1.6	1	<1.0	1.4	1.5	2.2	<1	2.1	4.4
Part 360 Additional Baseline Metals																					
Aluminum (mg/L)		3.2					2					0.41	0.54					0.73			
Antimony (mg/L)		<0.015					**0.022**					<0.01	<0.01					<0.01			
Arsenic (mg/L)		0.0138					<0.01					<0.01	0.013					**0.031**			
Barium (mg/L)		0.0655					<0.2					<0.2	<0.2					<0.2			
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01					<0.01			
Chromium (mg/L)		0.0109					<0.01					<0.01	<0.01					<0.01			
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01			
Cobalt (mg/L)		<0.02					<0.01					<0.01	<0.01					<0.01			
Copper (mg/L)		0.0295					0.014					<0.01	<0.01					<0.01			
Mercury (mg/L)		<0.0002					**0.0027**					<0.0002	<0.0002					<0.0002			
Nickel (mg/L)		<0.03					<0.01					<0.01	<0.01					<0.01			
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01			
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01			
Thallium (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01			
Vanadium (mg/L)		<0.3					<0.01					<0.01	<0.01					<0.01			
Zinc (mg/L)		0.0827					0.058					0.013	0.032					0.041			
Part 360 Volatile Organics																					
1,1,1,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5			
1,1,1-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0					<5			
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0					<5			
1,2-Dibromoethane (EDB) (µg/L)		<5.0					<5.0					<5.0	<5.0					<5			
1,2-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5			

City of Rome
Tannery Road Landfill
MW-5S
Ground Water Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
1,3-Dichlorobenzene (µg/L)		<5.0																			
trans-1,4-Dichloro-2-butene (µg/L)		<10.0																			
1,4-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5			
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10			
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10			
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10			
Acetone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10			
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0					<20			
Benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5			
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				<5	<5			
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Carbon disulfide (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5			
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5			
Ethyl benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<10			
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				<10	<10			
Styrene (µg/L)							<5.0					<5.0	<5.0				<5	<5			
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5			
trans-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0					<10			
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5			
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20			
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
Xylenes (Total) (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5			
1,2-Dichloroethene - Total																	<5				

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-5S
Ground Water Analytical Data

Parameter	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	NYSDEC Ground Water Standard
Field Parameter								
Conductivity (µmhos/cm)	112	118	276	182	227	178	550	NS
pH (s.u.)	**6.1**	**6.44**	6.6	7.18	6.66	6.9	**5.9**	6.5 - 8.5
Temperature (deg C)	11.3	14.1	8	5.7		12.5	9	NS
Turbidity (NTU)	**150**	**108**	**154**	**8**	**149**	**119**	**38**	5
Part 360 Leachate Indicator Parameters								
Ammonia-Nitrogen (mg/L)	<0.03	<0.03	<0.03	0.15	<0.03	<0.03	0.82	2
Biochemical Oxygen Demand (BOD5) (mg/L)	<4	<4	<4	<4.0	<4.0	<4.0	7.6	NS
Bromide (mg/L)	<0.1	<0.1	<0.1	<0.1	0.24	<0.1	<0.1	2
Chemical Oxygen Demand (mg/L)	25	15	14	18	16	15	23	NS
Chloride (mg/L)	2.9	2.6	2.5	3	2.6	3.1	3.2	250
Color (Pt-Co)		**450**					**130**	15
Nitrate-Nitrogen (mg/L)	0.19	0.2	0.19	0.14	0.13	0.23	<0.1	10
Sulfate (mg/L)	11	9.6	8.3	7.3	9	7.6	12	250
Total Alkalinity (mg/L)	48	38	88	140	24	64	230	NS
Total Cyanide (mg/L)		<0.01					<0.01	0.2
Total Dissolved Solids (mg/L)	80	66	90	170	52	90	290	500
Total Hardness (mg/L)	54	52	94	130	31	84	230	NS
Total Kjeldahl Nitrogen (mg/L)	0.41	0.2	0.14	0.32	0.66	0.39	1.1	NS
Total Organic Carbon (mg/L)	4.5	3.6	5.4	5.6	5.1	5.4	9.7	NS
Total Phenols (mg/L)	<0.002	**0.0039**	<0.002	<0.01	**0.0037**	<0.002	**0.0035**	0.001
Part 360 Routine Metals								
Boron (mg/L)		0.014					<0.5	1
Cadmium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	17	16	24	40	9.3	24	71	NS
Iron (mg/L)	**6.3**	**4.7**	**22**	**15**	**7.6**	**24**	**19**	0.3*
Lead (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.025
Magnesium (mg/L)	2.8	2.9	4.2	8.1	1.9	5.7	12	35 (GV)
Manganese (mg/L)	**0.32**	**0.34**	**0.63**	**1.3**	0.063	**0.82**	**1.6**	0.3*
Potassium (mg/L)	2.4	2.4	2.7	3.3	1.5	3.2	5.4	NS
Sodium (mg/L)	<1	<1	1.2	<1.0	<1.0	1.1	2	20
Part 360 Additional Baseline Metals								
Aluminum (mg/L)		0.44					0.14	NS
Antimony (mg/L)		<0.01					<0.01	0.003
Arsenic (mg/L)		0.013					<0.02	0.025
Barium (mg/L)		<0.2					0.14	1
Beryllium (mg/L)		<0.01					<0.01	0.003 (GV)
Chromium (mg/L)		<0.01					<0.01	0.05
Chromium, Hexavalent (mg/L)		<0.01					<0.01	0.05
Cobalt (mg/L)		<0.01					<0.01	NS
Copper (mg/L)		<0.01					<0.01	0.2
Mercury (mg/L)		<0.0002					<0.0002	0.0007
Nickel (mg/L)		<0.01					<0.01	0.1
Selenium (mg/L)		<0.01					<0.01	0.01
Silver (mg/L)		<0.01					<0.01	0.05
Thallium (mg/L)		<0.01					<0.01	0.0005 (GV)
Vanadium (mg/L)		<0.01					<0.01	NS
Zinc (mg/L)		0.017					<0.01	2
Part 360 Volatile Organics								
1,1,1,2-Tetrachloroethane (µg/L)		<1					<1	5
1,1,1-Trichloroethane (µg/L)		<1					<1	5
1,1,2,2-Tetrachloroethane (µg/L)		<1					<1	5
1,1,2-Trichloroethane (µg/L)		<1					<1	1
1,1-Dichloroethane (µg/L)		<1					<1	5
1,1-Dichloroethene (µg/L)		<1					<1	5
1,2,3-Trichloropropane (µg/L)		<1					<1	0.04
1,2-Dibromo-3-chloropropane (µg/L)		<1					<1	0.04
1,2-Dibromoethane (EDB) (µg/L)		<1					<1	5
1,2-Dichlorobenzene (µg/L)		<1					<1	3

City of Rome
Tannery Road Landfill
MW-5S
Ground Water Analytical Data

Parameter	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	NYSDEC Ground Water Standard
1,2-Dichloroethane (µg/L)		<1					<1	0.6
1,2-Dichloropropane (µg/L)		<1					<1	1
1,3-Dichlorobenzene (µg/L)								3
trans-1,4-Dichloro-2-butene (µg/L)							<5	5
1,4-Dichlorobenzene (µg/L)		<1					<1	3
2-Butanone (MEK) (µg/L)		<10					<5	50 (GV)
2-Hexanone (µg/L)		<10					<5	50 (GV)
4-Methyl 2-pentanone (µg/L)		<10					<5	NS
Acetone (µg/L)		<10					<10	50 (GV)
Acrylonitrile (µg/L)		<5					<20	5
Benzene (µg/L)		<1					<1	1
Bromochloromethane (µg/L)		<1					<1	5
Bromodichloromethane (µg/L)		<1					<1	50 (GV)
Bromoform (µg/L)		<1					<1	50 (GV)
Bromomethane (µg/L)		<1					<1	5
Carbon disulfide (µg/L)		<1					<1	60 (GV)
Carbon tetrachloride (µg/L)		<1					<1	5
Chlorobenzene (µg/L)		<1					<1	5
Chloroethane (µg/L)		<1					<1	5
Chloroform (µg/L)		<1					<1	7
Chloromethane (µg/L)		<1					<1	5
cis-1,2-Dichloroethene (µg/L)		<1					<1	5
cis-1,3-Dichloropropene (µg/L)		<1					<1	0.4**
Dibromochloromethane (µg/L)		<1					<1	50 (GV)
Dibromomethane (µg/L)		<1					<1	5
Ethyl benzene (µg/L)		<1					<1	5
Iodomethane (µg/L)		<10					<5	5
Methylene Chloride (µg/L)		<10					<5	5
Styrene (µg/L)		<1					<1	5
Tetrachloroethene (µg/L)		<1					<1	5
Toluene (µg/L)		<1					<1	5
trans-1,2-Dichloroethene (µg/L)		<1					<1	5
trans-1,3-Dichloropropene (µg/L)		<1					<1	0.4**
trans-1,4-Dichloro-2-butene (µg/L)		<10					<5	5
Trichloroethene (µg/L)		<1					<1	5
Trichlorofluoromethane (µg/L)		<1					<1	5
Vinyl Acetate (µg/L)		<5					<5	NS
Vinyl Chloride (µg/L)		<1					<1	2
Xylenes (Total) (µg/L)		<1					<1	5
1,2-Dichloroethene - Total								5

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analtyical Data

Parameter	Mar-99	Jun-99	Sep-99	Dec-99	Mar-00	Jun-00	Sep-00	Dec-00	Mar-01	Jun-01	Sep-01	Dec-01	Mar-02	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	NYSDEC Ground Water Standard
Field Parameters																													
Conductivity (µmhos/cm)	1,330	1,120	1,620	1,300	1,320	1,710	1,220	1,270	1,350	1,200	1,090	1,290	1,440	1,430	503	1,110	1,150	775	1,080	370	1,030	807	817	1150	785	1,131	434	730	NS
pH (s.u.)	6.64	6.53	**6.4**	7.92	6.5	6.88	**6.41**	**6.46**	**6.2**	**5.96**	**6.39**	**6.31**	**5.96**	**6.25**	**5.4**		**6.3**	**6.42**	**6.48**	6.9	**6.23**	**5.7**	**6**	**6.4**	**6.25**	**6.4**	7.05	**6.1**	6.5 - 8.5
Temperature (deg C)	8.1	14.5	13.2	8.1	8.4	13.3	11.5	9	8.9	12.7	11.2	10.1	9	11.6	11.6	9.5	5.5	12.1	11.7	9	9.5	12.3	12.6	9	8.7		10.8	9	NS
Turbidity (NTU)	**160**	**42**	**94**	**247**	**128**	**83**	**98**	**62**	**97**	**112**	**152**	**53**	**29**		**345**	**61**	**69**	**999**	**128**	**30**	59	**150**	**165**	**200**	**70**	**151**	**104**	**98**	5
Part 360 Leachate Indicator Parameters																													
Ammonia-Nitrogen (mg/L)	**47**	**25**	**47**	**36**	**33**	**58**	**41**	**37**	**46**	**40**	**47**	**39**	**43**	**46**	**22**	**34**	**39**	**40**	**38**	**8.4**	**30**	**29**	**25**	**8.5**	**26**	**11**	**17**	**22**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	19	17	17	11	11	4.4	10	<20.0		13	14	<20.0	<20.0	<10.0	9.3	<20.0	<10.0	12	7.1	<10	<10.0	<10	7.2	<4	6.2	<10	13	<4	NS
Bromide (mg/L)	<0.2	<0.2	<2.0	<2.0	<2.0	<0.1	1.1	1	0.93	0.74	0.75	0.64	0.8	1	0.21	0.11	0.85	0.89	0.88	<0.1	0.83	0.68	0.5	<0.1	0.4	0.22	0.15	<0.1	2
Chemical Oxygen Demand (mg/L)	570	140	14	110	120	150	140	120	140	120	120	120	130	130	150	100	120	150	120	76	110	550	130	59	109	76	83	93	NS
Chloride (mg/L)	81	70	88	84	68	3.3	65	59	74	62	46	56	76	72	21	7	55	57	54	8.8	56	44	27	5.5	36	7.6	15	24	250
Color (Pt-Co)		**280**					**750**					**850**	**750**					**600**					**675**					**350**	15
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	1.5	4.9	0.16	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	0.16	<0.1	0.23	<0.1	<0.1	<0.1	<0.1	0.72	0.23	<0.1	<0.1	0.49	0.16	0.18	0.19	<0.1	10
Sulfate (mg/L)	<5.0	35	12	28	34	9.3	41	44	35	47	45	52	58	61	47	8.6	54	57	49	28	39	37	23	14	15	7.5	5.9	5	250
Total Alkalinity (mg/L)	670	370	710	470	450	680	460	440	430	470	430	390	460	470	160	360	390	410	340	120	320	330	290	150	320	140	230	300	NS
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01	0.2
Total Dissolved Solids (mg/L)	**540**	**540**	**710**	**660**	**610**	**400**	**590**	**600**	**670**	**570**	480	**650**	**720**	**650**	420	**520**	**580**	**640**	**580**	240	**510**	440	420	240	460	280	280	360	500
Total Hardness (mg/L)	300	260	350	310	244	390	320	270	280	270	260	250	270	280	140	240	270	270	310	97	230	220	200	90	180	140	150	200	NS
Total Kjeldahl Nitrogen (mg/L)	44	36	36	24	26	680	50	51	52	43	50	39	50	44	26	36	41	41	25	6.4	35	24	18	8.5	21	11	13	19	NS
Total Organic Carbon (mg/L)	55	48	45.9	38.5	38.1	60	48	55	49	44	43	47	50	46	50	41	42	27	43	28	39	39	34	23	38	26	25	38	NS
Total Phenols (mg/L)	**0.01**	<0.005	**0.01**	**0.014**	**0.006**	**0.0055**	**0.004**	**0.004**	**0.0026**	**0.0034**	**0.0039**	**0.0042**	**0.0027**	**0.012**	**0.0044**	**0.003**	**0.0032**	**0.003**	**0.0024**	NA	**0.004**	<0.002	**0.0021**	<0.002	<0.01	**0.0047**	**0.0041**	**0.0044**	0.001
Part 360 Routine Metals																													
Boron (mg/L)		0.7				**1.7**	**1.2**			<0.5	0.83	<0.5	0.99	0.83	<0.5			**1.1**	1.2	<0.5	0.95		0.8					0.55	1
Cadmium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	62.9	61.1	74.9	64.2	56.4	87	77	66	70	66	64	65	71	71	35	63	69	80	76	24	57	54	49	21	45	32	33	51	NS
Iron (mg/L)	**41.1**	**39.2**	**40.8**	**37.7**	**33.2**	**53**	**45**	**38**	**41**	**42**	**39**	**40**	**40**	**40**	**35**	**34**	**41**	**47**	**45**	**27**	**34**	**31**	**29**	**11**	**27**	**26**	**24**	**27**	0.3*
Lead (mg/L)	0.0071	0.0041	0.006	0.014	0.006	<0.01	<0.01	<0.01	<0.01	0.013	0.014	<0.01	<0.01	<0.01	**0.035**	0.014	<0.01	<0.01	0.018	<0.01	0.012	0.015	<0.01	0.012	<0.01	**0.032**	**0.028**	<0.01	0.025
Magnesium (mg/L)	33.6	25.9	**39.5**	**36.5**	25.1	**41**	32	25	25	25	25	22	24	25	14	20	25	29	28	9.1	22	20	18	9	17	14	16	17	35 (GV)
Manganese (mg/L)	**0.837**	**0.84**	**0.82**	**0.89**	**0.87**	**0.96**	**0.85**	**0.73**	**0.8**	**0.76**	**0.76**	**0.7**	**0.73**	**0.71**	**0.67**	**0.65**	**0.72**	**0.82**	**0.85**	**0.83**	**0.68**	**0.68**	**0.64**	**0.38**	**0.55**	**0.61**	**0.59**	**0.62**	0.3*
Potassium (mg/L)	54.8	40.9	48	50.5	38.4	60	46	66	43	39	41	37	40	43	23	40	39	47	39	20	37	42	40	14	28	19	20	26	NS
Sodium (mg/L)	**46.1**	**39.6**	**60**	**55.5**	**50.5**	**83**	**64**	**48**	**54**	**56**	**59**	**50**	**53**	**57**	15	**37**	**52**	**58**	**47**	9.9	**44**	**36**	**31**	7.7	**33**	7.4	19	**25**	20
Part 360 Additional Baseline Metals																													
Aluminum (mg/L)		0.439					1					1.2	0.83					2.3					1.1					1.4	NS
Antimony (mg/L)		<0.015					**0.034**					<0.01	<0.01					<0.01					<0.01					<0.01	0.003
Arsenic (mg/L)		<0.01					0.011					<0.01	<0.01					**0.026**					0.011					0.024	0.025
Barium (mg/L)		0.217					<0.2					0.43	0.49					0.61					0.23					0.22	1
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01	0.003 (GV)
Chromium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01	0.05
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01	0.05
Cobalt (mg/L)		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01	NS
Copper (mg/L)		<0.01					<0.01					0.022	<0.01					<0.01					<0.01					<0.01	0.2
Mercury (mg/L)		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002					<0.0002					<0.0002	0.0007
Nickel (mg/L)		<0.03					<0.01					<0.01	<0.01					<0.01					0.046					<0.01	0.1
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01	0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01	0.05
Thallium (mg/L)		**0.0105**					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01	0.0005 (GV)
Vanadium (mg/L)		<0.3					0.013					0.013	0.01					0.018					0.016					0.029	NS
Zinc (mg/L)		0.056					0.067					0.036	0.034					0.097					0.041					0.029	2
Part 360 Volatile Organics																													
1,1,1,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	5
1,1,1-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0					<5					<1					<1	0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0					<5					<1					<1	0.04
1,2-Dibromoethane (EDB) (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	5
1,2-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	1

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analtyical Data

Parameter	Mar-99	Jun-99	Sep-99	Dec-99	Mar-00	Jun-00	Sep-00	Dec-00	Mar-01	Jun-01	Sep-01	Dec-01	Mar-02	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	NYSDEC Ground Water Standard
1,3-Dichlorobenzene (µg/L)		<5.0																											3
trans-1,4-Dichloro-2-butene (µg/L)		<10.0																										<5	5
1,4-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	3
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10					<5	50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10					<5	50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10					<5	NS
Acetone (µg/L)		<10.0					<10.0					<10.0	<10.0				10	<10					<10					<10	50 (GV)
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0					<20					<5					<20	5
Benzene (µg/L)		<5.0					**14**					**17**	**24**				**15**	**16**					**4.3**					**6.3**	1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	5
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				<5	<5					<1					<1	50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Carbon disulfide (µg/L)		<18.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Chlorobenzene (µg/L)		**23**					**8.4**					**5.8**	**5.3**				<5	<5					4.4					4.1	5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	5
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	50 (GV)
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	5
Ethyl benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<10					<10					<5	5
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				<10	<10					<10					<5	5
Styrene (µg/L)							<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	5
trans-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0					<10					<10					<5	5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	5
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1					<1	5
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20					<5					<5	NS
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1	2
Xylenes (Total) (µg/L)		2					**16**					**130**	**180**				**160**	**97**					<1					**110**	5
1,2-Dichloroethene - Total																	<5												5

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0					<5					<1			
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0					<5					<1			
1,2-Dibromoethane (EDB) (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1			
1,2-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1			
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
1,3-Dichlorobenzene (µg/L)		<5.0																								
trans-1,4-Dichloro-2-butene (µg/L)		<10.0																								
1,4-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1			
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10			
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10			
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10			
Acetone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10			
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0					<20					<5			
Benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1			
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				<5	<5					<1			
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Carbon disulfide (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1			
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1			
Ethyl benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<10					<10			
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				<10	<10					<10			
Styrene (µg/L)							<5.0					<5.0	<5.0				<5	<5					<1			
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1			
trans-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0					<10					<10			
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1			
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20					<5			
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
Xylenes (Total) (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1			
1,2-Dichloroethene - Total																	<5									

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	NYSDEC Ground Water Standard
Field Parameters																	
Conductivity (µmhos/cm)	4,940	4,970	5,440	3,780	4,050	4,810	5,600	4,300	4,810	5,990	3,480	4,743	5,320	4,787	4,570	3,600	NS
pH (s.u.)	**6.48**	6.63	7		6.6	6.5	6.78	**6.4**	6.59	**6.14**	**6.22**	6.5	7.03	6.57	6.99	**6.3**	6.5 - 8.5
Temperature (deg C)	12.8	15.2	17.2	10.4	7.6	19.7	15.8	9	12.8	16	16.8	10	13		15.5	12	NS
Turbidity (NTU)	**356**	**183**	**585**	**164**	**207**	**383**	**47**	**430**	**189**	**10**	**73**	**189**	**246**	**236**	**100**	**68**	5
Part 360 Leachate Indicator Parameters																	
Ammonia-Nitrogen (mg/L)	**200**	**260**	**270**	**200**	**280**	**280**	**270**	**230**	**380**	**350**	**160**	**260**	**290**	**300**	**300**	**230**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	38	24	46	34	30	20	36	43	28	32	31	41	<4.0	31	36	24	NS
Bromide (mg/L)	**2.6**	**3**	**3.9**	1.9	**2.1**	**3.2**	**3.8**	**2.3**	**3.7**	**4.2**	**2.5**	**3.3**	**4.2**	**2.7**	**3**	**2.2**	2
Chemical Oxygen Demand (mg/L)	420	250	3,200	270	340	490	640	270	300	470	290	490	670	440	430	240	NS
Chloride (mg/L)	**440**	**430**	**610**	**380**	200	**450**	**550**	**260**	**450**	**600**	**280**	**410**	**560**	**410**	**470**	**340**	250
Color (Pt-Co)	**1,400**					**600**					**950**					**500**	15
Nitrate-Nitrogen (mg/L)	<0.1	0.16	0.17	<0.1	<0.1	0.15	0.76	0.54	<0.1	<0.1	0.2	0.28	0.27	0.19	<0.1	<0.1	10
Sulfate (mg/L)	2.9	2.2	3.6	2.2	2.3	2.5	<1	2.3	3.6	1.4	2.1	2	1.8	2.3	60	<1	250
Total Alkalinity (mg/L)	1,700	1,900	2,200	1,500	1,600	1,800	2,000	1,500	2,000	2,100	1,900	1,900	2,400	2,500	1,200	1,900	NS
Total Cyanide (mg/L)	<0.01					<0.01					<0.01					<0.01	0.2
Total Dissolved Solids (mg/L)	**1,900**	**2,100**	**2,500**	**1,500**	**1,400**	**2,200**	**2,500**	**1,200**	**2,200**	**2,400**	**1,700**	**1,900**	**2,700**	**2,000**	**2,100**	**1,800**	500
Total Hardness (mg/L)	580	580	690	480	550	750	790	430	700	590	480	520	660	670	450	600	NS
Total Kjeldahl Nitrogen (mg/L)	290	220	320	220	280	300	330	350	330	380	260	220	310	270	260	210	NS
Total Organic Carbon (mg/L)	160	150	230	99	120	120	230	110	180	240	75	160	230	200	120	13	NS
Total Phenols (mg/L)	**0.016**	**0.02**	**0.015**	**0.026**	<0.002	**0.015**	**0.013**	**0.017**	**0.017**	**0.021**	**0.02**	**0.016**	<0.01	<0.002	**0.0022**	<0.002	0.001
Part 360 Routine Metals																	
Boron (mg/L)	**2.5**	**2.7**	**3.7**			**3.4**	**4.4**	**1.6**	**3.8**		**1.7**					**2.3**	1
Cadmium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	120	120	140	100	110	150	150	91	120	110	110	97	110	120	91	120	NS
Iron (mg/L)	**62**	**60**	**70**	**48**	**58**	**61**	**68**	**52**	**38**	**47**	**49**	**35**	**45**	**35**	**45**	**34**	0.3*
Lead (mg/L)	**0.049**	**0.031**	**0.04**	0.022	**0.041**	<0.01	0.014	0.022	**0.028**	<0.01	<0.01	<0.01	0.017	<0.01	**0.26**	0.014	0.025
Magnesium (mg/L)	**68**	**67**	**83**	**53**	**65**	**94**	**100**	**50**	**96**	**75**	**53**	**67**	**92**	**92**	**54**	**74**	35 (GV)
Manganese (mg/L)	**1.3**	**1.5**	**2.4**	**1.6**	**1.5**	**1.7**	**2.7**	**1.3**	**0.74**	**1.5**	**1.6**	**0.85**	**1**	**0.62**	**1.4**	**0.76**	0.3*
Potassium (mg/L)	190	200	340	180	230	230	410	220	350	330	320	380	330	320	280	250	NS
Sodium (mg/L)	**430**	**460**	**600**	**250**	**270**	**420**	**630**	**250**	**500**		**230**	**470**	**580**	**410**	**270**	**380**	20
Part 360 Additional Baseline Metals																	
Aluminum (mg/L)	2.4					0.9					0.28					0.96	NS
Antimony (mg/L)	<0.01					<0.01					**0.012**					<0.01	0.003
Arsenic (mg/L)	0.02					**0.038**					0.022					**0.03**	0.025
Barium (mg/L)	<0.2					0.32					0.25					0.47	1
Beryllium (mg/L)	<0.01					<0.01					<0.01					<0.01	0.003 (GV)
Chromium (mg/L)	0.031					0.019					<0.01					0.017	0.05
Chromium, Hexavalent (mg/L)	<0.01					<0.01					<0.01					0.013	0.05
Cobalt (mg/L)	0.012					0.017					<0.01					0.012	NS
Copper (mg/L)	0.052					0.013					<0.01					0.018	0.2
Mercury (mg/L)	0.0002					<0.0002					<0.0002					<0.0002	0.0007
Nickel (mg/L)	0.062					0.049					0.024					0.029	0.1
Selenium (mg/L)	<0.01					<0.01					<0.01					<0.01	0.01
Silver (mg/L)	<0.01					<0.01					<0.01					<0.01	0.05
Thallium (mg/L)	<0.01					<0.01					<0.01					<0.01	0.0005 (GV)
Vanadium (mg/L)	<0.01					0.012					0.013					0.013	NS
Zinc (mg/L)	0.16					0.11					0.099					0.052	2
Part 360 Volatile Organics																	
1,1,1,2-Tetrachloroethane (µg/L)	<5.0					<5					<1					<5	5
1,1,1-Trichloroethane (µg/L)	<5.0				<5	<5					<1					<5	5
1,1,2,2-Tetrachloroethane (µg/L)	<5.0				<5	<5					<1					<5	5
1,1,2-Trichloroethane (µg/L)	<5.0				<5	<5					<1					<5	1
1,1-Dichloroethane (µg/L)	<5.0				<5	<5					<1					<5	5

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	NYSDEC Ground Water Standard
1,1-Dichloroethene (µg/L)	<5.0				<5	<5					<1					<5	5
1,2,3-Trichloropropane (µg/L)	<5.0					<5					<1					<5	0.04
1,2-Dibromo-3-chloropropane (µg/L)	<5.0					<5					<1					<5	0.04
1,2-Dibromoethane (EDB) (µg/L)	<5.0					<5					<1					<5	5
1,2-Dichlorobenzene (µg/L)	<5.0					<5					<1					<5	3
1,2-Dichloroethane (µg/L)	<5.0				<5	<5					<1					<5	0.6
1,2-Dichloropropane (µg/L)	<5.0				<5	<5					<1					<5	1
1,4-Dichlorobenzene (µg/L)	<5.0					<5					**3.7**					<5	3
2-Butanone (MEK) (µg/L)	<10.0				<10	<10					<10					<20	50 (GV)
2-Hexanone (µg/L)	<10.0				<10	<10					<10					<20	50 (GV)
4-Methyl 2-pentanone (µg/L)	<10.0					<10					<10					<20	NS
Acetone (µg/L)	18				28	13					<10					<50	50 (GV)
Acrylonitrile (µg/L)	<20.0					<20					<5					<100	5
Benzene (µg/L)	**5.5**				**5.7**	<5					**5**					**6.2**	1
Bromochloromethane (µg/L)	<5.0					<5					<1					<5	5
Bromodichloromethane (µg/L)	<5.0				<5	<5					<1					<5	50 (GV)
Bromoform (µg/L)	<5.0				<5	<5					<1					<5	50 (GV)
Bromomethane (µg/L)	<5.0				<5	<5					<1					<5	5
Carbon disulfide (µg/L)	<5.0				<5	<5					<1					<5	60 (GV)
Carbon tetrachloride (µg/L)	<5.0				<5	<5					<1					<5	5
Chlorobenzene (µg/L)	<5.0				<5	<5					4.1					**5.3**	5
Chloroethane (µg/L)	**33**				**33**	**22**					**22**					**24**	5
Chloroform (µg/L)	<5.0				<5	<5					<1					<5	7
Chloromethane (µg/L)	<5.0				<5	<5					<1					<5	5
cis-1,2-Dichloroethene (µg/L)	<5.0					<5					<1					<5	5
cis-1,3-Dichloropropene (µg/L)	<5.0				<5	<5					<1					<5	0.4**
Dibromochloromethane (µg/L)	<5.0				<5	<5					<1					<5	50 (GV)
Dibromomethane (µg/L)	<5.0					<5					<1					<5	5
Ethyl benzene (µg/L)	**29**				<5	<5					<1					<5	5
Iodomethane (µg/L)	<10.0					<10					<10					<20	5
Methylene Chloride (µg/L)	<10.0				<10	<10					<10					<20	5
Styrene (µg/L)	<5.0				<5	<5					<1					<5	5
Tetrachloroethene (µg/L)	<5.0				<5	<5					<1					<5	5
Toluene (µg/L)	<5.0				<5	<5					<1					<5	5
trans-1,2-Dichloroethene (µg/L)	<5.0					<5					<1					<5	5
trans-1,3-Dichloropropene (µg/L)	<5.0				<5	<5					<1					<5	0.4**
trans-1,4-Dichloro-2-butene (µg/L)	<10.0					<10					<10					<20	5
Trichloroethene (µg/L)	<5.0				<5	<5					<1					<5	5
Trichlorofluoromethane (µg/L)	<5.0					<5					<1					<5	5
Vinyl Acetate (µg/L)	<20.0					<20					<5					<20	NS
Vinyl Chloride (µg/L)	<5.0				<5	<5					<1					<5	2
Xylenes (Total) (µg/L)	**75**				**96**	**28**					**63**					**69**	5
1,2-Dichloroethene - Total					<5												5

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Leachate Well LMW-12
Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/2003	6/25/2003	9/17/2003	12/16/03
Field Parameters																				
Conductivity (µmhos/cm)	3,400	3,430	3,850	3,900	4,470	4,770	4,560	4,940	4,080	3,820	4,100	5,090	4,750	4,490	5,700	4,430	4,820	4,500	4,550	4,600
pH (s.u.)	**6.12**	6.74	6.69	6.7	6.64	7.01	6.54	6.5	6.56	6.54	6.75	6.65	**6.42**	6.66	7.1		6.7	6.64	6.79	7.1
Temperature (deg C)	12.2	17.8	15.3	12	10.9	16	14.8	9.4	11.7	18.4	14.1	11.9	12.2	14.5	17	10.3	7.5	18.2	15.4	10
Turbidity (NTU)	**228**	**368**	**678**	**650**	**351**	**153**	**268**	**180**	**150**	**432**	**315**	**125**	**53**	**25**	**350**	**243**	**111**	**253**	4	**150**
Part 360 Leachate Indicator Parameters																				
Ammonia-Nitrogen (mg/L)	**150**	**120**	**170**	**160**	**210**	**260**	**250**	**250**	**200**	**190**	**240**	**270**	**200**	**210**	**220**	**200**	**240**	**280**	**270**	**230**
Biochemical Oxygen Demand (BOD5) (mg/L)	17	34	16	16	34	37	30	29		5.5	40	25	<20.0	18	46	37	28	22	25	<20
Bromide (mg/L)	**2.1**	<0.2	<2.0	**5.1**	**4.47**	**4.8**	**5.4**	**5.7**	**4.2**	**3.9**	**3.9**	**4.3**	**4.4**	**4.5**	**4.8**	**4.8**	**5.2**	**4.4**	**5.2**	**4.8**
Chemical Oxygen Demand (mg/L)	170	370	<10.0	270	380	400	440	440	360	170	31	240	97	280	410	400	360	420	430	380
Chloride (mg/L)	**280**	**330**	**320**	**330**	**370**	**500**	**410**	**510**	**320**	**330**	**460**	**330**	**350**	**340**	**470**	**460**	**320**	**370**	**350**	**290**
Color (Pt-Co)		**580**					300					**750**	**1500**					**750**		
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	0.21	<0.1	0.15	0.17	0.26	0.16	<0.1	0.38	0.19	0.2	0.25	0.28	0.19	0.19	0.41
Sulfate (mg/L)	180	6	11	<5.0	53	1.9	1.5	1.4	2.3	2.8	3	<1.0	2.3	1.9	2.2	2.5	2.2	2.3	2.2	2.6
Total Alkalinity (mg/L)	1400	1600	280	1400	990	990	1800	1800	1300	1700	1800	1800	1600	1800	1800	1700	1,900	1,800	1,700	1,700
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01		
Total Dissolved Solids (mg/L)	**1500**	**1400**	**1630**	**1750**	**1830**	**2100**	**1900**	**2000**	**1800**	**1700**	**1700**	**2000**	**1700**	**1900**	**1900**	**1800**	**1,900**	**2,000**	**1,800**	**1,800**
Total Hardness (mg/L)	652	620	831	635	596	540	620	630	620	620	660	580	650	620	630	660	600	590	720	540
Total Kjeldahl Nitrogen (mg/L)	160	180	170	160	200	260	280	270	210	190	230	250	210	200	240	220	270	330	270	280
Total Organic Carbon (mg/L)	89	90	270	107	37.3	140	120	150	130	130	140	120	150	160	160	180	150	100	150	160
Total Phenols (mg/L)	**0.03**	**0.027**	**0.034**	**0.033**	**0.027**	**0.019**	<0.002	**0.02**	**0.02**	**0.024**	**0.021**	**0.02**	**0.019**	**0.024**	**0.021**	**0.017**	<0.002	**0.014**	**0.014**	**0.018**
Part 360 Metals																				
Boron (mg/L)		**2.7**				**3.4**	**3.4**			**2.3**	**2.8**	**3**	**3.1**	**3**		**3**		**3.2**	**4**	**3**
Cadmium (mg/L)	**0.0058**	**0.0061**	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	133	120	172	117	110	93	110	110	110	100	120	100	110	110	110	120	100	100	130	97
Iron (mg/L)	**57.2**	**54.9**	**58.4**	**57.1**	**51.6**	**52**	**59**	**59**	**58**	**56**	**65**	**54**	**55**	**50**	**57**	**54**	**52**	**50**	**67**	**47**
Lead (mg/L)	0.0096	0.0061	0.022	0.011	0.012	<0.01	<0.01	0.026	<0.01	<0.01	<0.01	0.018	<0.01	<0.01	<0.01	0.018	0.015	<0.01	0.018	0.011
Magnesium (mg/L)	**77.8**	**76.8**	**97.6**	**83.4**	**78**	**76**	**84**	**89**	**82**	**86**	**90**	**80**	**88**	**86**	**88**	**90**	**82**	**83**	**98**	**73**
Manganese (mg/L)	**0.447**	**0.356**	**0.73**	**0.39**	**0.39**	0.28	**0.36**	**0.37**	**0.35**	**0.35**	**0.45**	**0.4**	**0.4**	**0.36**	**0.45**	**0.46**	**0.35**	**0.36**	**0.47**	**0.35**
Potassium (mg/L)	167	190	190	160	180	260	260	300	190	210	200	220	210	220	220	210	250	320	280	260
Sodium (mg/L)	**246**	**285**	**310**	**240**	**280**	**350**	**340**	**480**	**340**	**450**	**400**	**280**	**440**	**430**	**410**	**430**	**340**	**360**	**490**	**300**
Part 360 Additional Baseline Metals																				
Aluminum (mg/L)		0.854					2.1					1.8	0.7					0.74		
Antimony (mg/L)		<0.015					**0.031**					<0.01	<0.01					0.01		
Arsenic (mg/L)		<0.01					<0.01					0.013	0.02					**0.041**		
Barium (mg/L)		0.351					0.4					0.4	0.35					0.46		
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01					<0.01		
Chromium (mg/L)		<0.005					0.019					0.012	<0.01					0.015		
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01		
Cobalt (mg/L)		<0.02					0.014					0.012	<0.01					0.012		
Copper (mg/L)		<0.01					0.014					<0.01	<0.01					<0.01		
Mercury (mg/L)		<0.0002					<0.0002					0.0003	0.005					<0.0002		
Nickel (mg/L)		<0.03					0.039					0.031	0.024					0.036		
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01		
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01		
Thallium (mg/L)		<0.01					<0.01					<0.1	<0.01					**0.014**		
Vanadium (mg/L)		<0.3					0.02					0.02	0.012					0.023		
Zinc (mg/L)		0.0388					0.13					0.071	0.022					0.046		
Part 360 Volatile Organics																				
1,1,1,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
1,1,1-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		

City of Rome
Tannery Road Landfill
Leachate Well LMW-12
Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/2003	6/25/2003	9/17/2003	12/16/03
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0					<5		
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0					<5		
1,2-Dibromoethane (EDB) (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
1,2-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,3-Dichlorobenzene (µg/L)		<5.0																		
1,4-Dichloro-2-butene (µg/L)		<10.0																		
1,4-Dichlorobenzene (µg/L)		1					<5.0					<5.0	<5.0					<5		
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10		
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10		
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10		
Acetone (µg/L)		<10.0					15					<10.0	16				11	13		
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0					<20		
Benzene (µg/L)		**10**					**43**					**33**	**35**				**40**	**34**		
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				<5	<5		
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Carbon disulfide (µg/L)		<68					<5.0					<5.0	<5.0				<5	<5		
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
Ethyl benzene (µg/L)		2					<5.0					<5.0	<5.0				<5	<5		
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<10		
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				<10	<10		
Styrene (µg/L)							<5.0					<5.0	<5.0				<5	<5		
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
trans-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0					<10		
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20		
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Xylenes (Total) (µg/L)		**15**					**41**					**26**	**17**				**11**	<5		
1,2-Dichloroethene - Total																	<5			

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Leachate Well LMW-12
Analytical Data

Parameter	3/23/2004	6/22/2004	9/28/2004	12/16/2004	3/22/2005	NYSDEC Ground Water Standard
Field Parameters						
Conductivity (µmhos/cm)	4970	4,480	4,620	4,450	3,690	NS
pH (s.u.)	6.57	6.68	**6.4**	6.7	6.88	6.5 - 8.5
Temperature (deg C)	11.3	15.5	15.5	10	11.5	NS
Turbidity (NTU)	**83**	**15**	**5**	**180**	**41**	5
Part 360 Leachate Indicator Parameters						
Ammonia-Nitrogen (mg/L)	**300**	**270**	**220**	**290**	**240**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	29	31	35	41	17	NS
Bromide (mg/L)	**5**	**5.1**	**4.8**	**4.8**	**4.4**	2
Chemical Oxygen Demand (mg/L)	720	130	420	480	430	NS
Chloride (mg/L)	**370**	**500**	**270**	**350**	**350**	250
Color (Pt-Co)			**1,400**			15
Nitrate-Nitrogen (mg/L)	0.55	0.24	0.2	0.67	0.24	10
Sulfate (mg/L)	2	1.4	2.3	2.4	1.6	250
Total Alkalinity (mg/L)	1800	1,900	1,700	1,700	1,800	NS
Total Cyanide (mg/L)			<0.01			0.2
Total Dissolved Solids (mg/L)	**1800**	**1,700**	**1,700**	**1,600**	**1,800**	500
Total Hardness (mg/L)	460	470	450	380	430	NS
Total Kjeldahl Nitrogen (mg/L)	270	270	230	260	220	NS
Total Organic Carbon (mg/L)	140	130	140	150	160	NS
Total Phenols (mg/L)	**0.022**	**0.022**	**0.019**	**0.017**	**0.013**	0.001
Part 360 Metals						
Boron (mg/L)	**3**		**2.8**			1
Cadmium (mg/L)	<0.010	<0.01	<0.01	<0.01	<0.010	0.005
Calcium (mg/L)	77	80	76	68	72	NS
Iron (mg/L)	**44**	**44**	**42**	**36**	**45**	0.3*
Lead (mg/L)	0.015	<0.01	<0.01	<0.01	<0.010	0.025
Magnesium (mg/L)	**64**	**66**	**63**	**51**	**62**	35 (GV)
Manganese (mg/L)	0.29	0.28	0.28	0.23	0.29	0.3*
Potassium (mg/L)	270	250	400	230	200	NS
Sodium (mg/L)	**330**	**320**	**320**	**360**	**350**	20
Part 360 Additional Baseline Metals						
Aluminum (mg/L)			0.45			NS
Antimony (mg/L)			**0.014**			0.003
Arsenic (mg/L)			**0.026**			0.025
Barium (mg/L)			0.22			1
Beryllium (mg/L)			<0.01			0.003 (GV)
Chromium (mg/L)			<0.01			0.05
Chromium, Hexavalent (mg/L)			<0.01			0.05
Cobalt (mg/L)			<0.01			NS
Copper (mg/L)			<0.01			0.2
Mercury (mg/L)			<0.0002			0.0007
Nickel (mg/L)			0.024			0.1
Selenium (mg/L)			<0.01			0.01
Silver (mg/L)			<0.01			0.05
Thallium (mg/L)			<0.01			0.0005 (GV)
Vanadium (mg/L)			0.026			NS
Zinc (mg/L)			0.026			2
Part 360 Volatile Organics						
1,1,1,2-Tetrachloroethane (µg/L)			<1			5
1,1,1-Trichloroethane (µg/L)			<1			5
1,1,2,2-Tetrachloroethane (µg/L)			<1			5

City of Rome
Tannery Road Landfill
Leachate Well LMW-12
Analytical Data

Parameter	3/23/2004	6/22/2004	9/28/2004	12/16/2004	3/22/2005	NYSDEC Ground Water Standard
1,1,2-Trichloroethane (µg/L)			<1			1
1,1-Dichloroethane (µg/L)			<1			5
1,1-Dichloroethene (µg/L)			<1			5
1,2,3-Trichloropropane (µg/L)			<1			0.04
1,2-Dibromo-3-chloropropane (µg/L)			<1			0.04
1,2-Dibromoethane (EDB) (µg/L)			<1			5
1,2-Dichlorobenzene (µg/L)			<1			3
1,2-Dichloroethane (µg/L)			<1			0.6
1,2-Dichloropropane (µg/L)			<1			1
1,3-Dichlorobenzene (µg/L)						3
1,4-Dichloro-2-butene (µg/L)						5
1,4-Dichlorobenzene (µg/L)			<1			3
2-Butanone (MEK) (µg/L)			<10			50 (GV)
2-Hexanone (µg/L)			<10			50 (GV)
4-Methyl 2-pentanone (µg/L)			<10			NS
Acetone (µg/L)			<10			50 (GV)
Acrylonitrile (µg/L)			<5			5
Benzene (µg/L)			**16**			1
Bromochloromethane (µg/L)			<1			5
Bromodichloromethane (µg/L)			<1			50 (GV)
Bromoform (µg/L)			<1			50 (GV)
Bromomethane (µg/L)			<1			5
Carbon disulfide (µg/L)			<1			60 (GV)
Carbon tetrachloride (µg/L)			<1			5
Chlorobenzene (µg/L)			1.6			5
Chloroethane (µg/L)			<1			5
Chloroform (µg/L)			<1			7
Chloromethane (µg/L)			<1			5
cis-1,2-Dichloroethene (µg/L)			<1			5
cis-1,3-Dichloropropene (µg/L)			<1			0.4**
Dibromochloromethane (µg/L)			<1			50 (GV)
Dibromomethane (µg/L)			<1			5
Ethyl benzene (µg/L)			<1			5
Iodomethane (µg/L)			<10			5
Methylene Chloride (µg/L)			<10			5
Styrene (µg/L)			<1			5
Tetrachloroethene (µg/L)			<1			5
Toluene (µg/L)			<1			5
trans-1,2-Dichloroethene (µg/L)			<1			5
trans-1,3-Dichloropropene (µg/L)			<1			0.4**
trans-1,4-Dichloro-2-butene (µg/L)			<10			5
Trichloroethene (µg/L)			<1			5
Trichlorofluoromethane (µg/L)			<1			5
Vinyl Acetate (µg/L)			<5			NS
Vinyl Chloride (µg/L)			<1			2
Xylenes (Total) (µg/L)			2			5
1,2-Dichloroethene - Total						

Notes

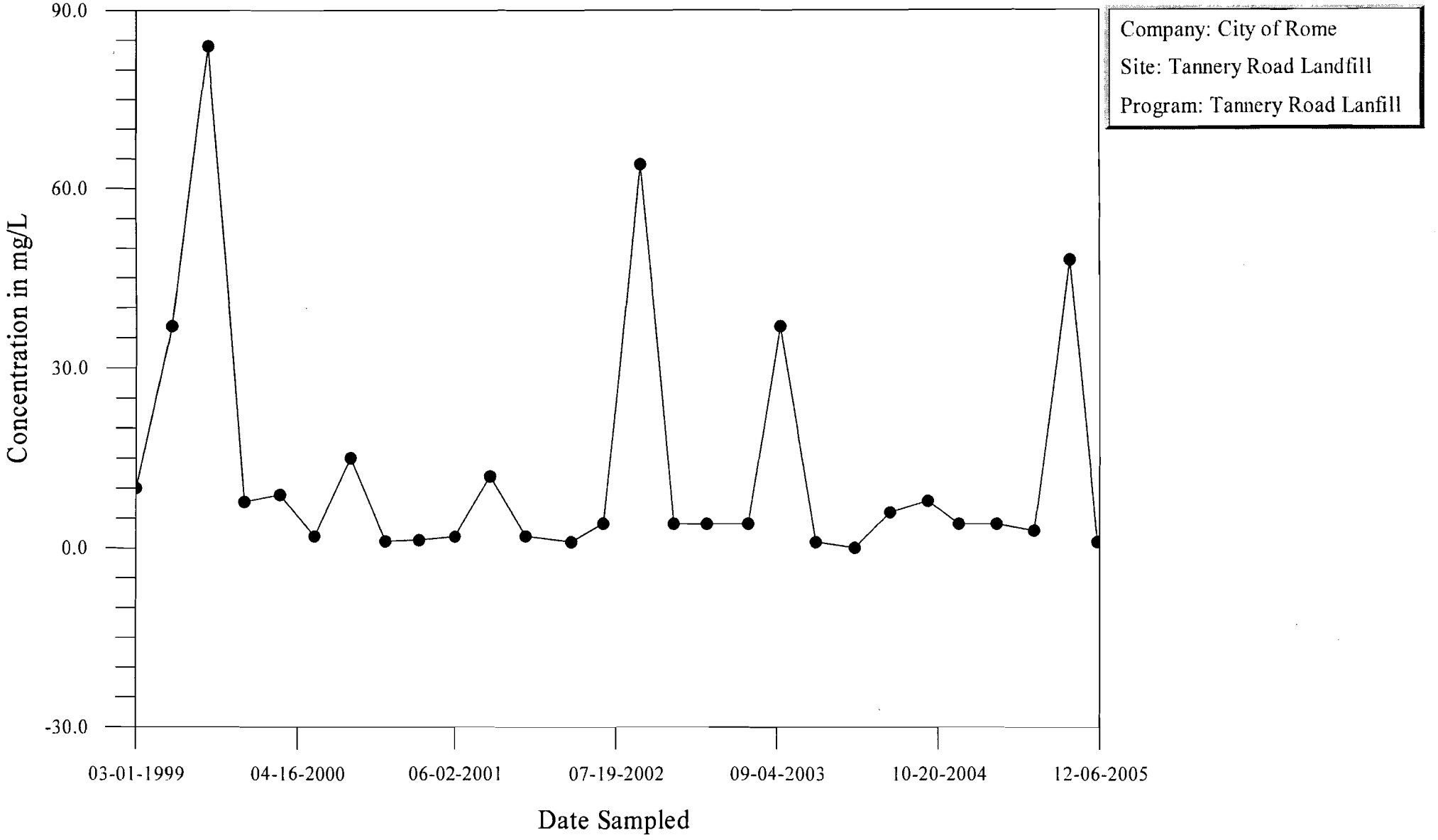
APPENDIX B

MONITORING WELL AND LEACHATE WELL

TIME SERIES CONCENTRATION GRAPHS

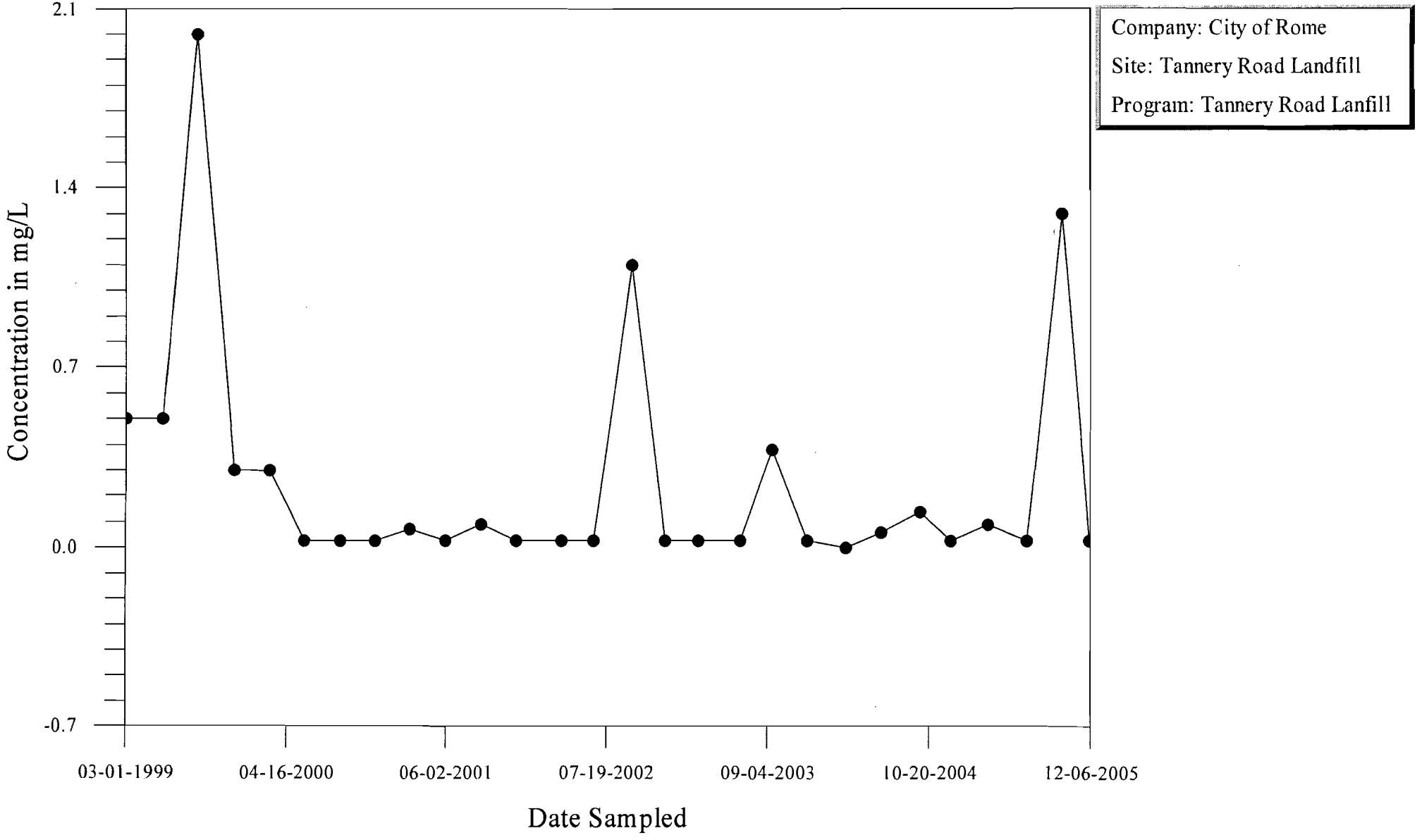
Time-Series Plot

Total Alkalinity, MW-1S



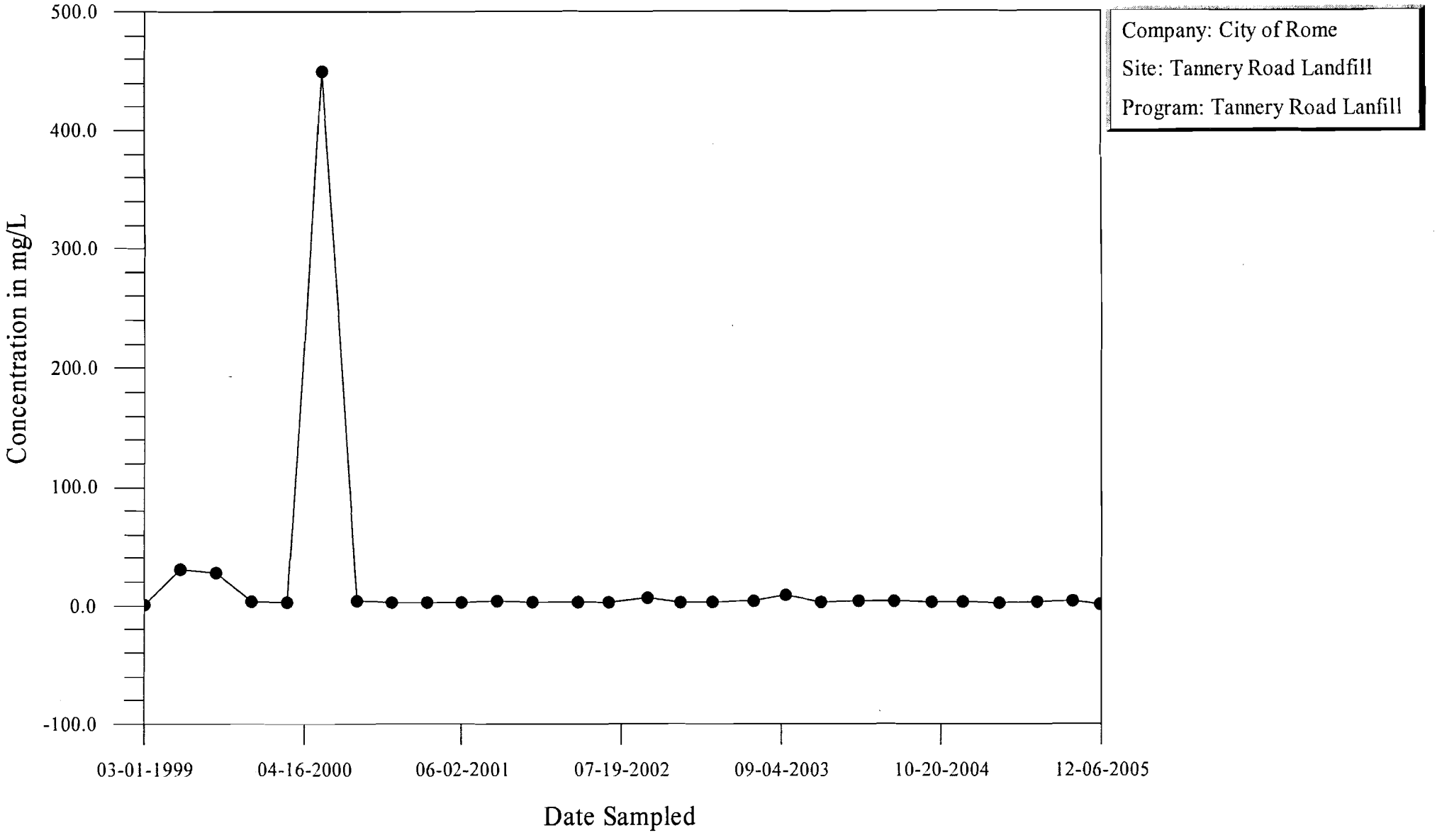
Time-Series Plot

Ammonia-Nitrogen, MW-1S



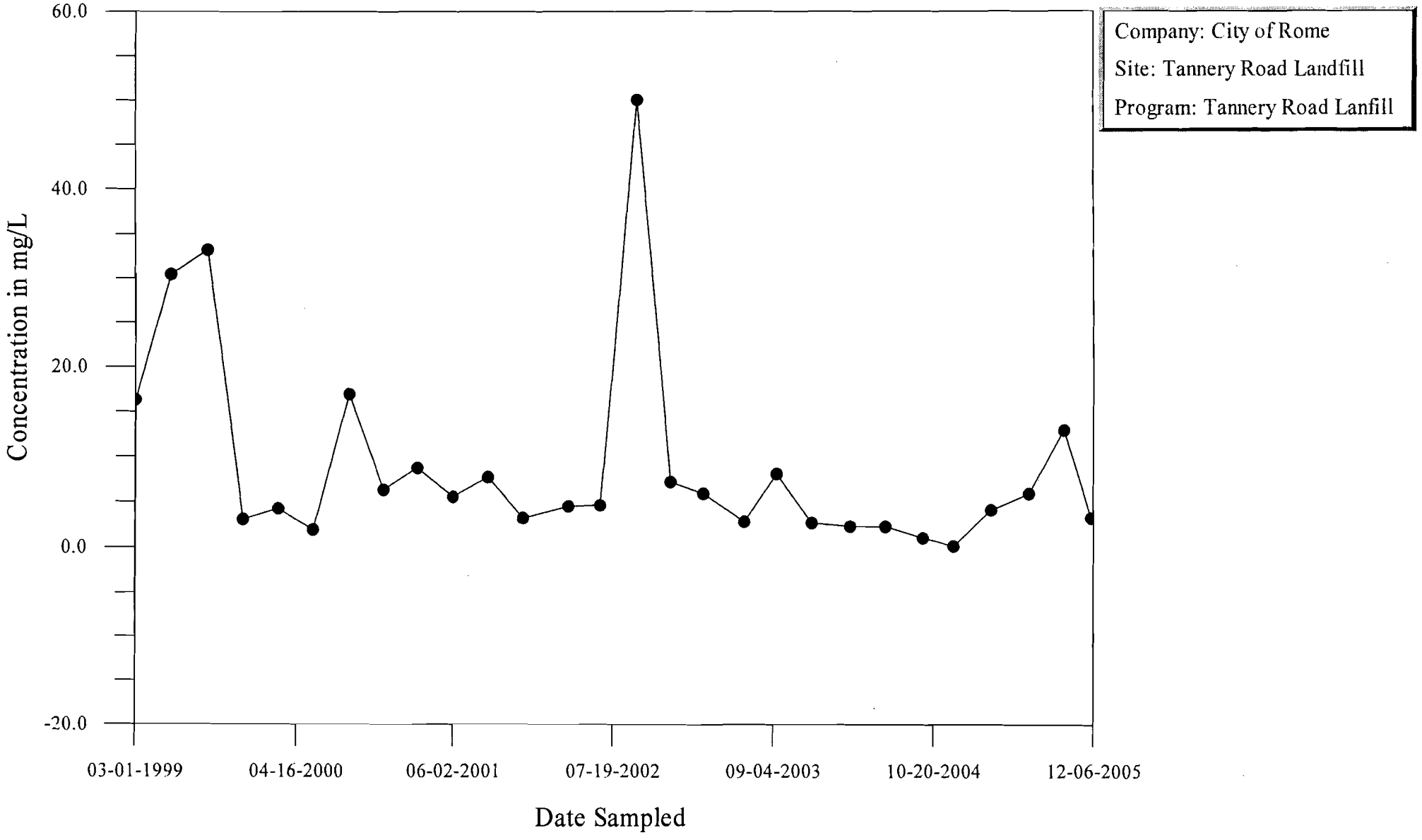
Time-Series Plot

Chloride, MW-1S



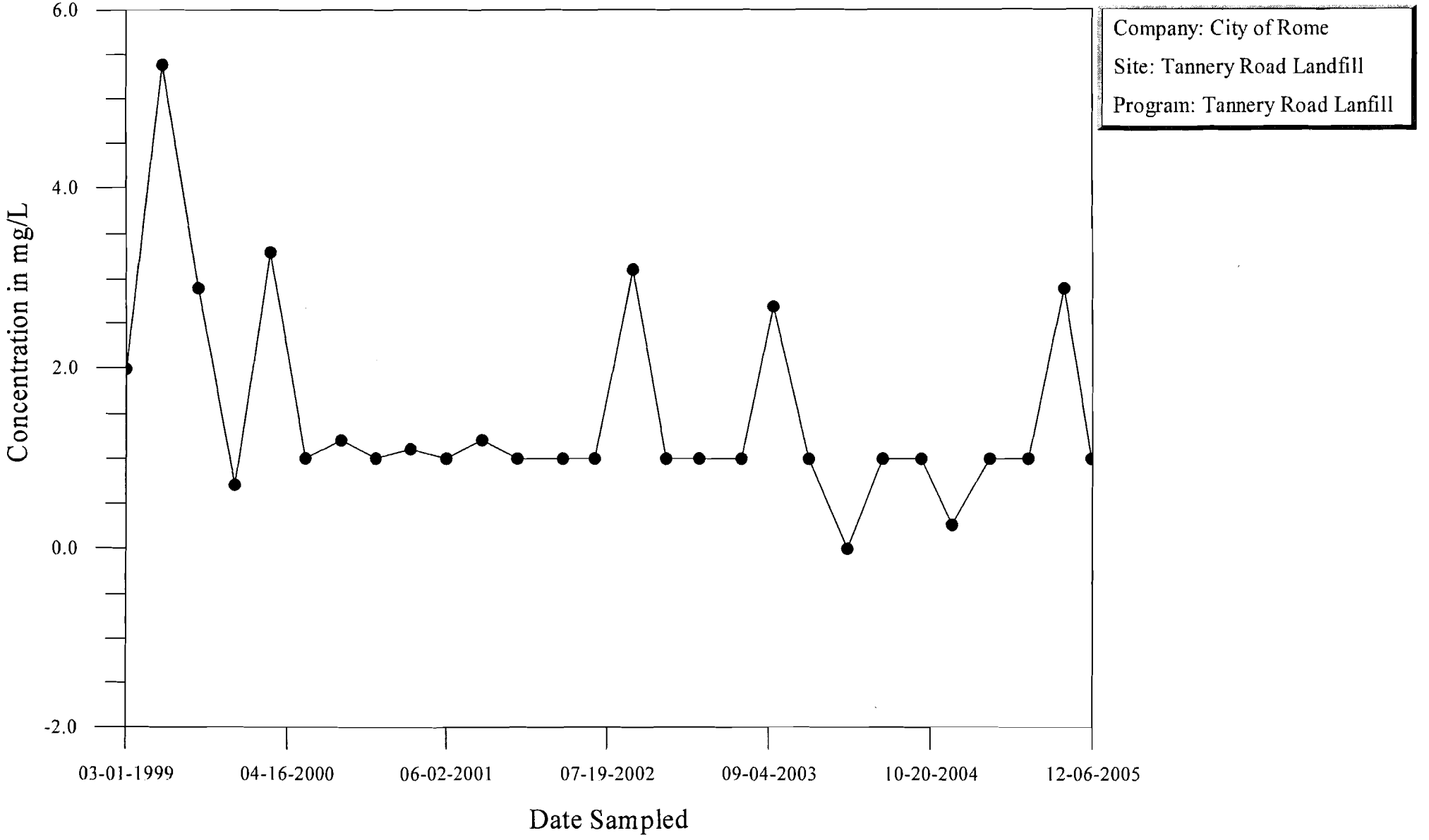
Time-Series Plot

Iron, MW-1S



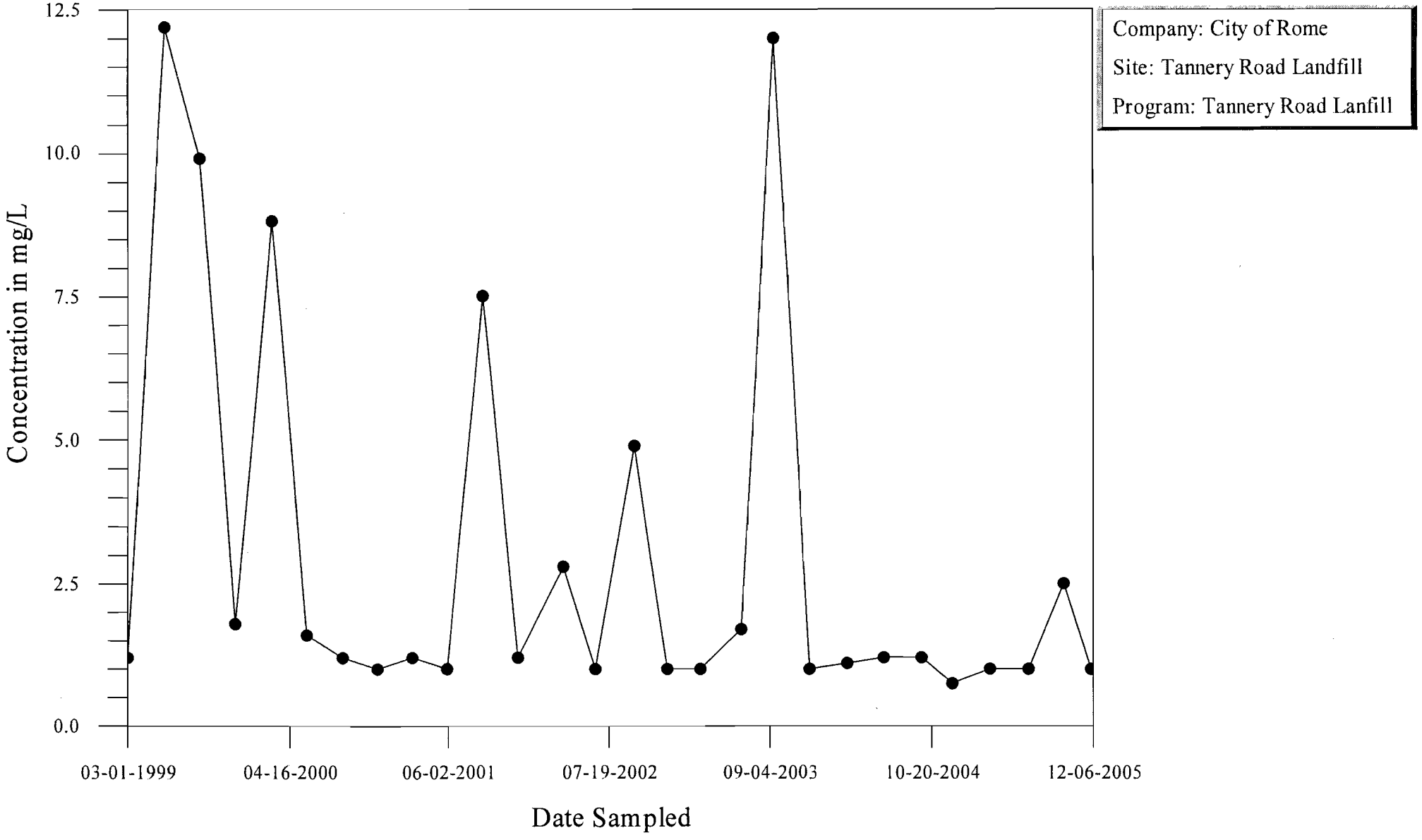
Time-Series Plot

Potassium, MW-1S



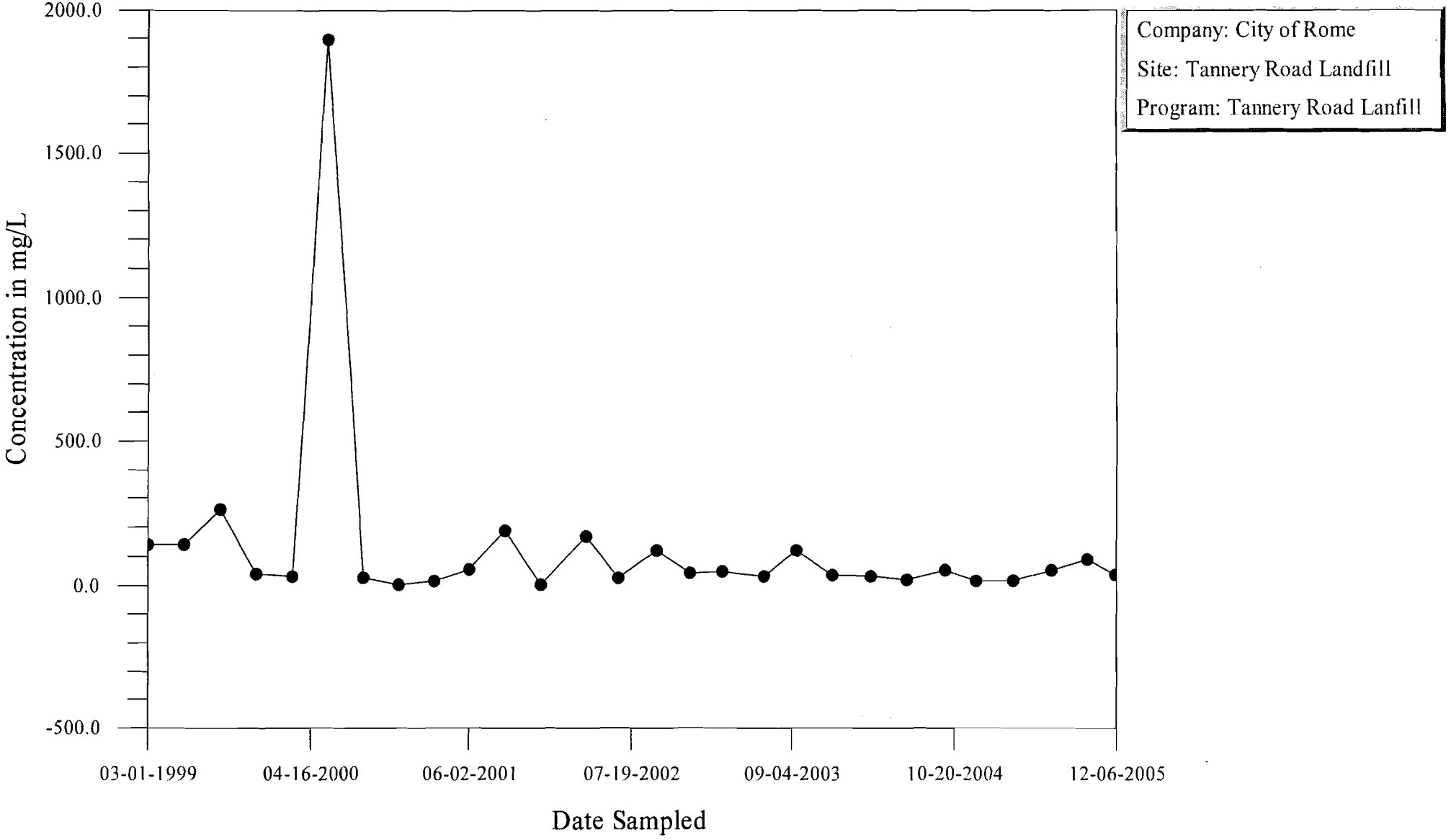
Time-Series Plot

Sodium, MW-1S



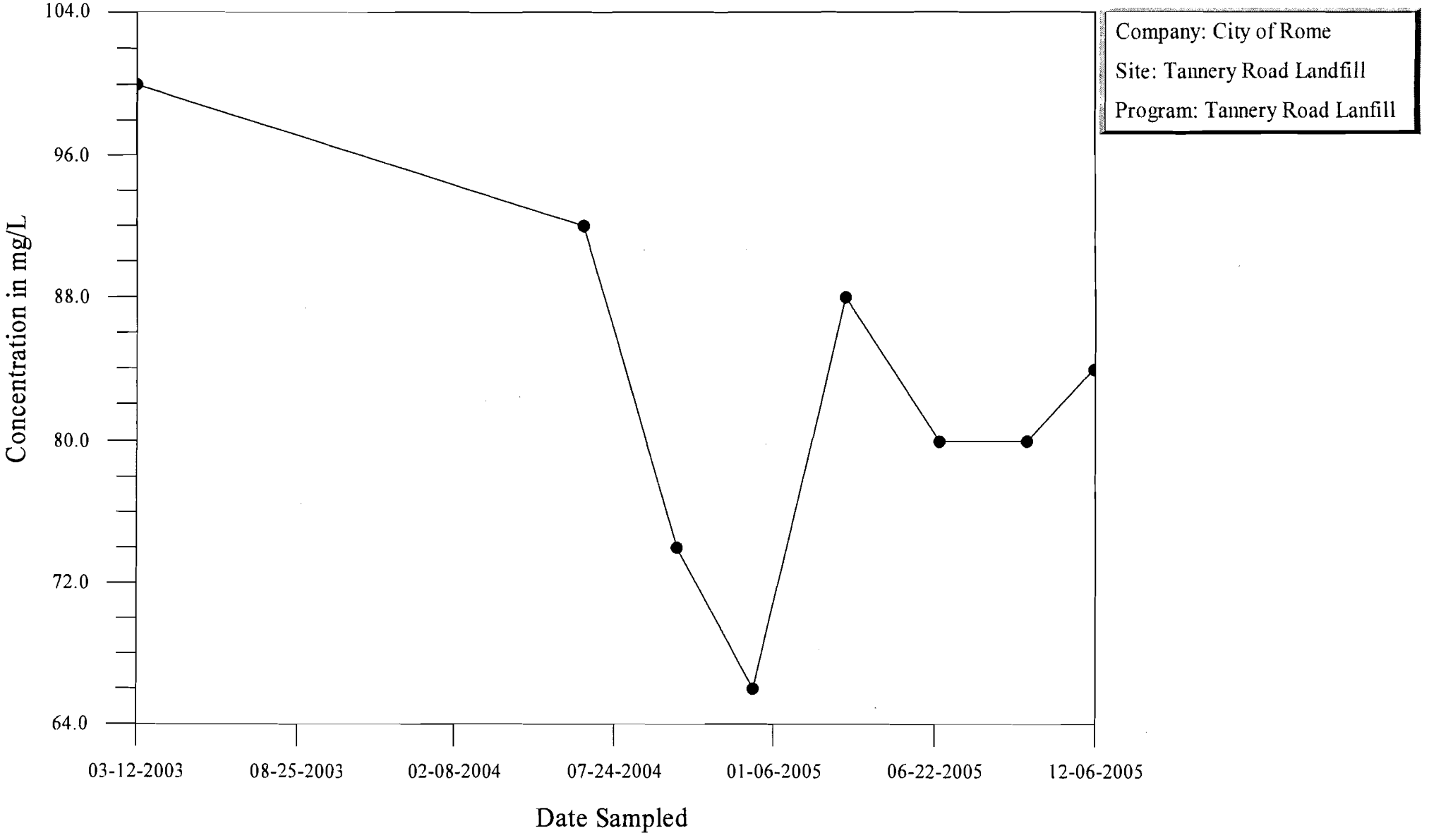
Time-Series Plot

Total Dissolved Solids, MW-1S



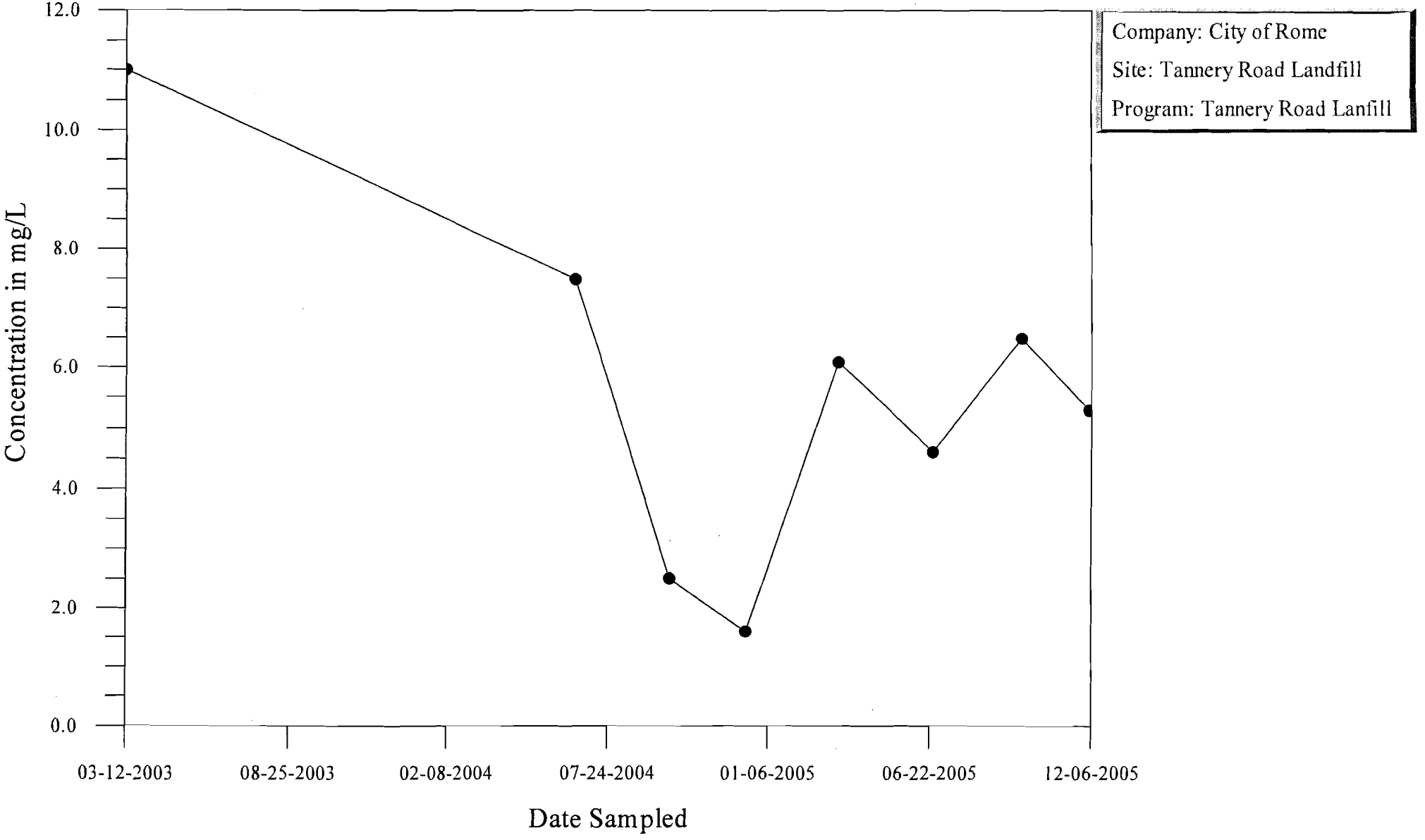
Time-Series Plot

Total Alkalinity, MW-2D



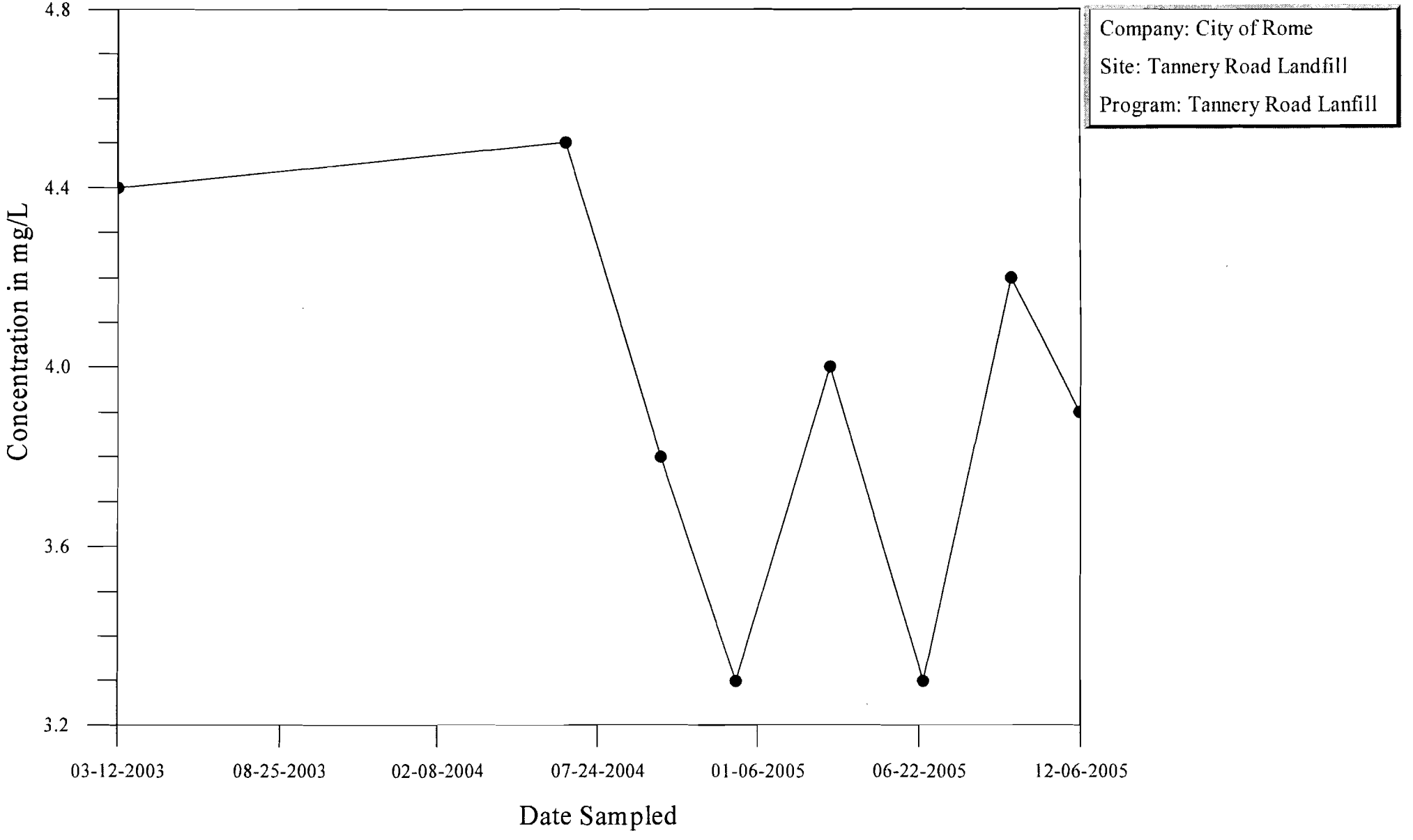
Time-Series Plot

Ammonia-Nitrogen, MW-2D



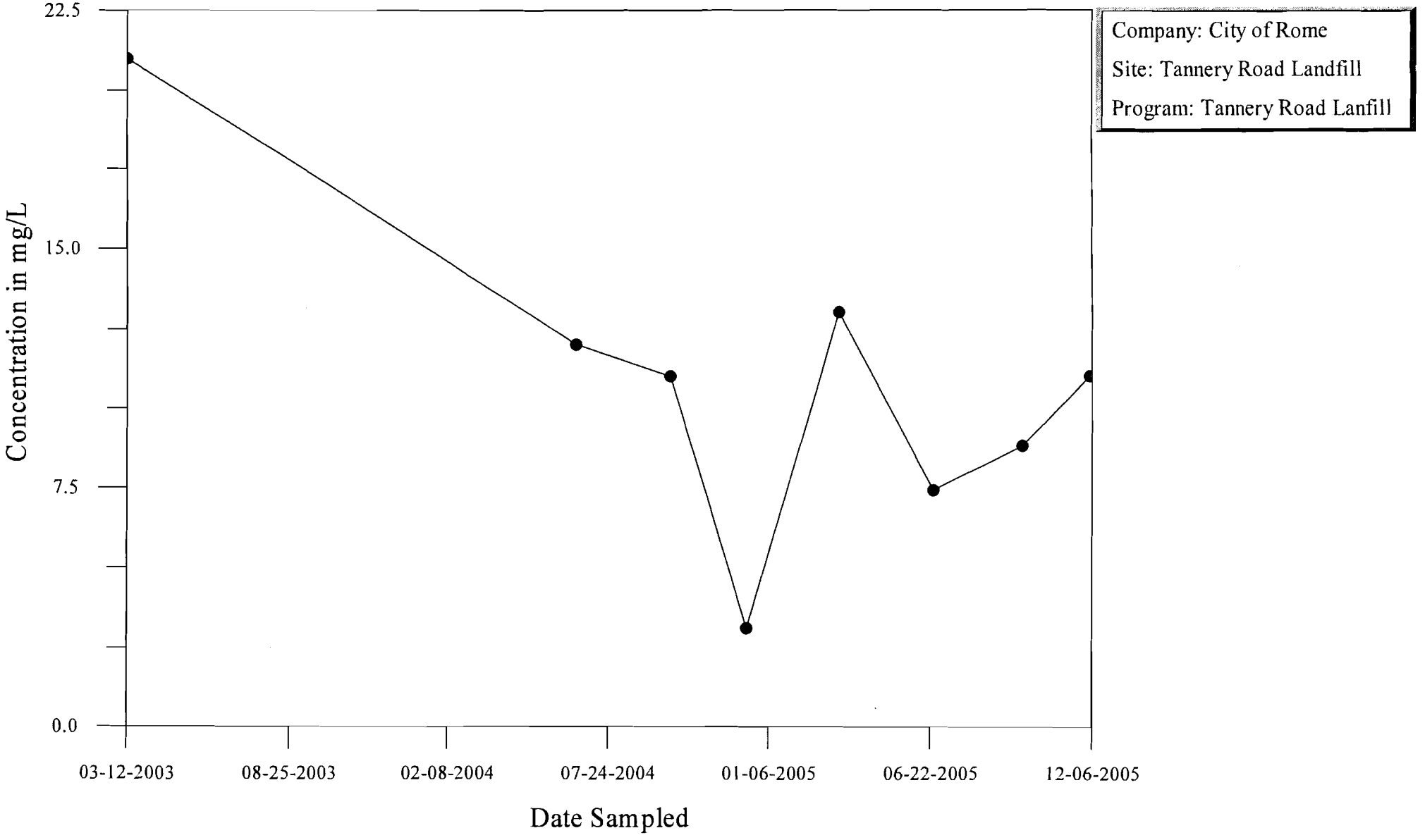
Time-Series Plot

Chloride, MW-2D



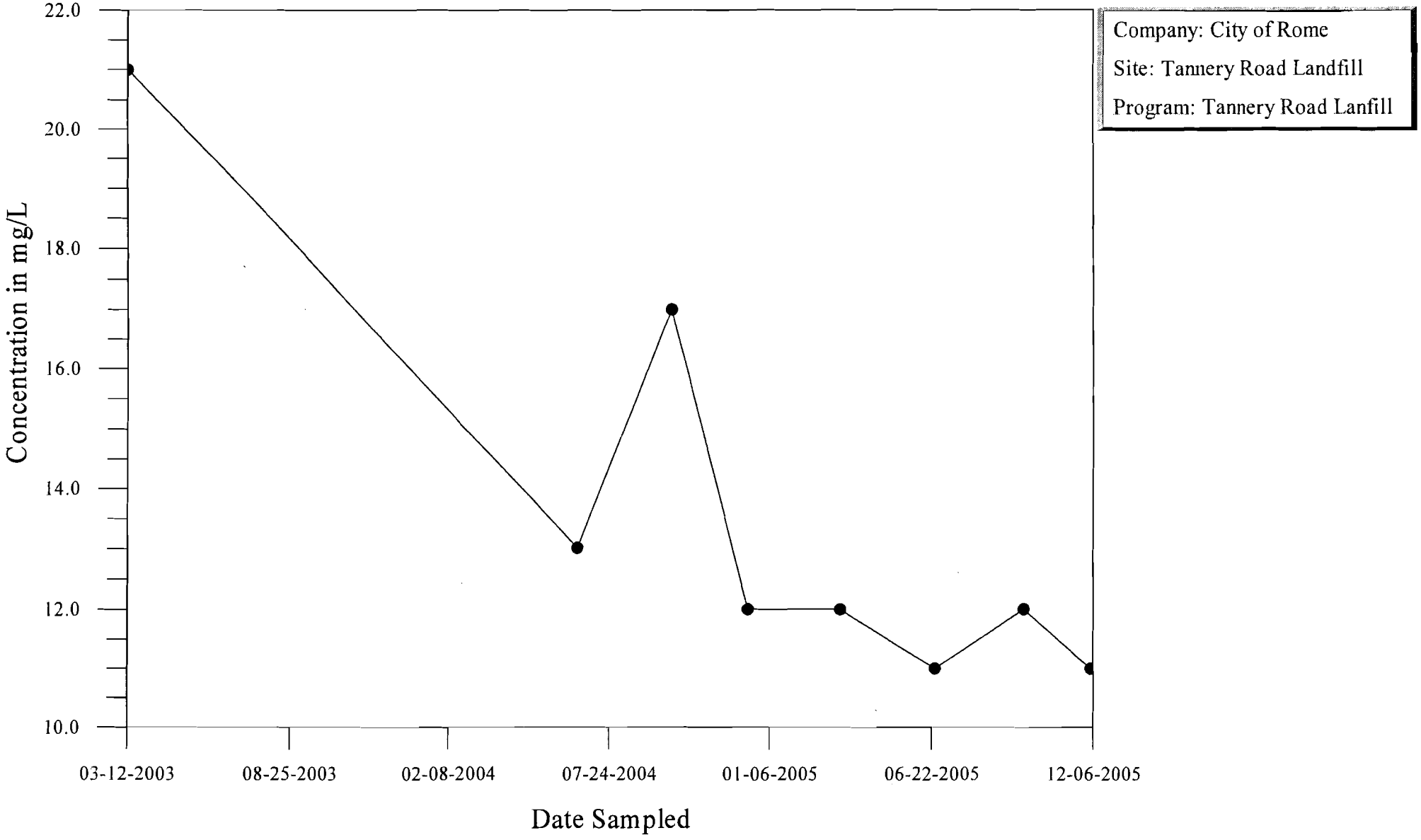
Time-Series Plot

Iron, MW-2D



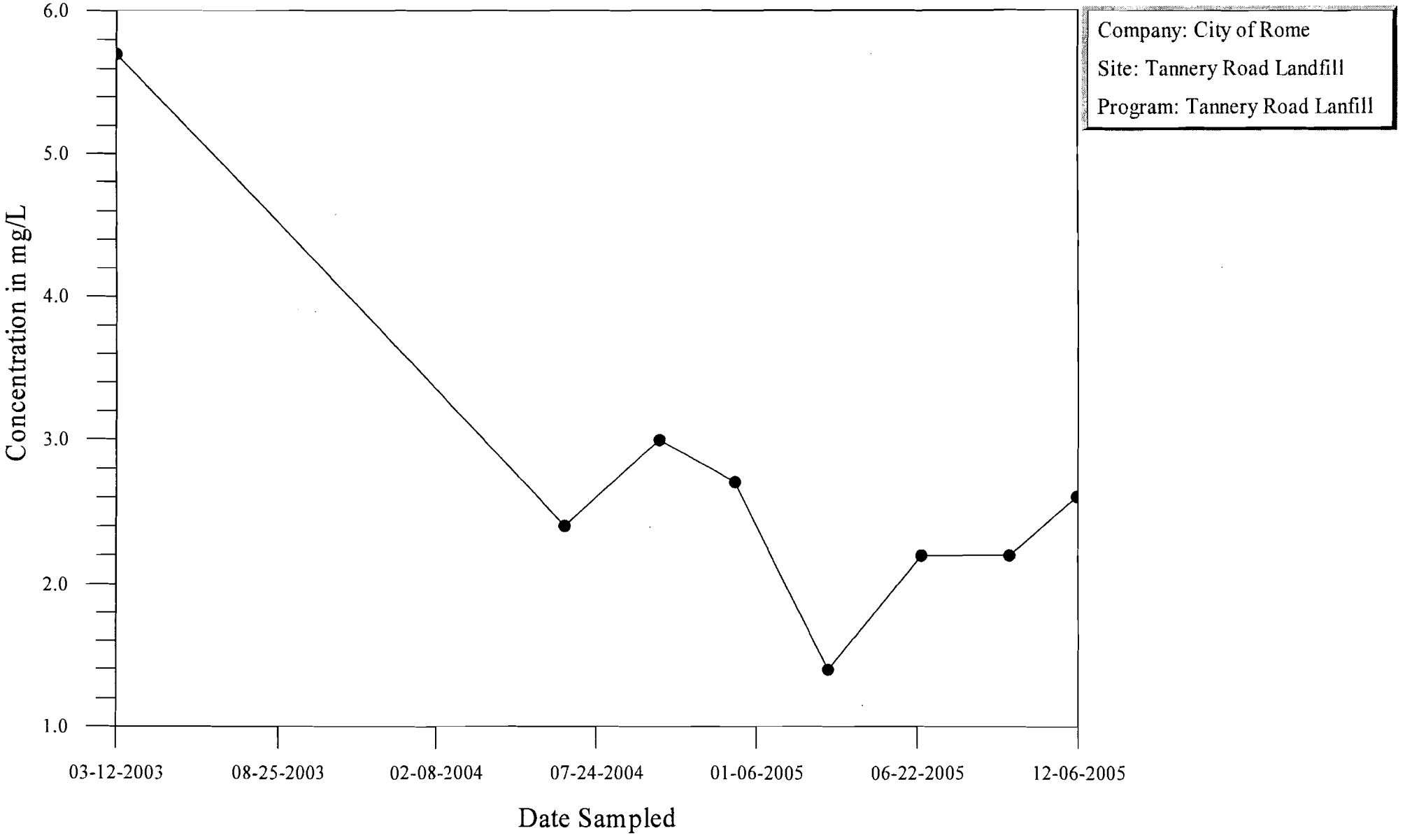
Time-Series Plot

Potassium, MW-2D



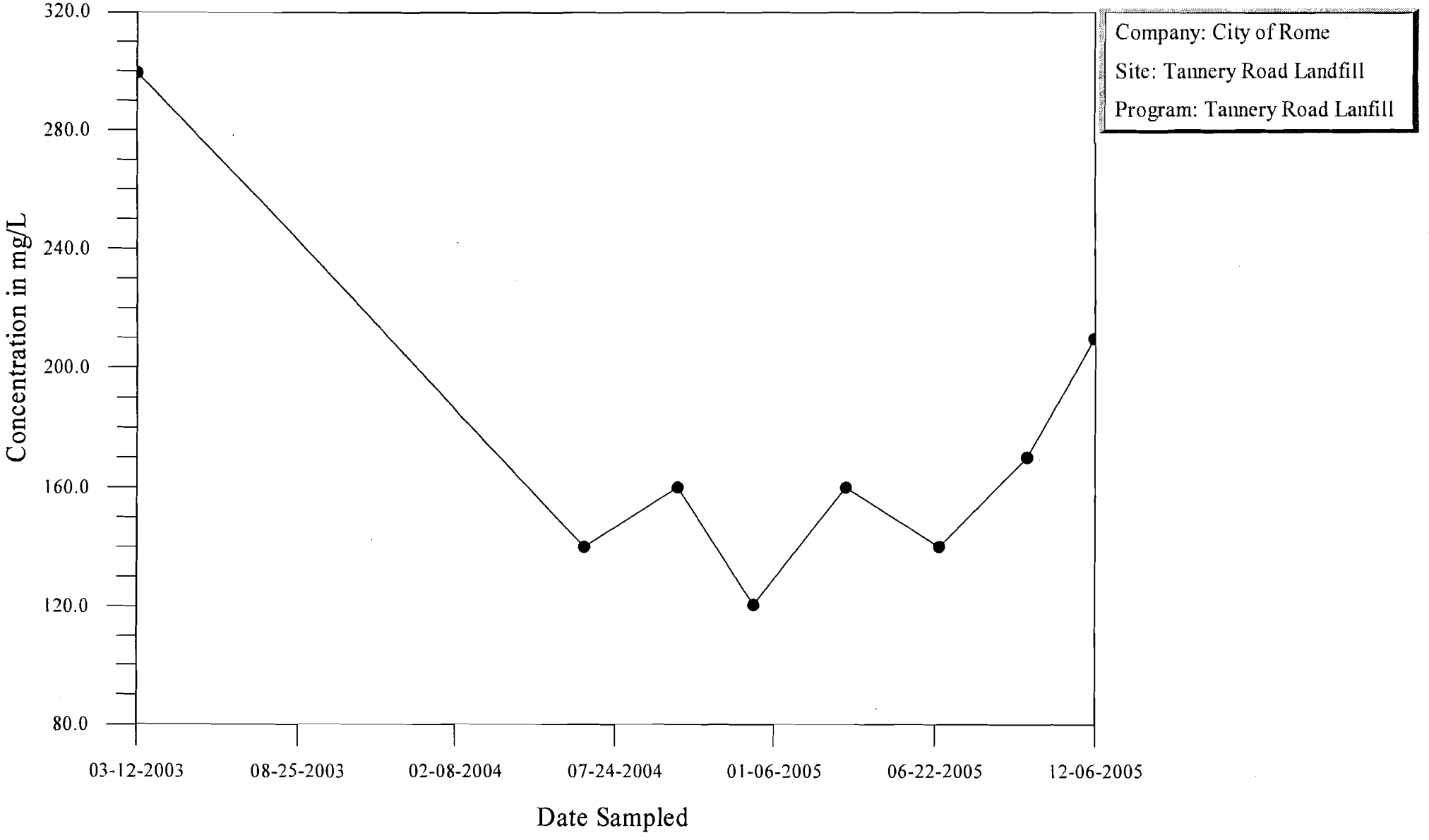
Time-Series Plot

Sodium, MW-2D



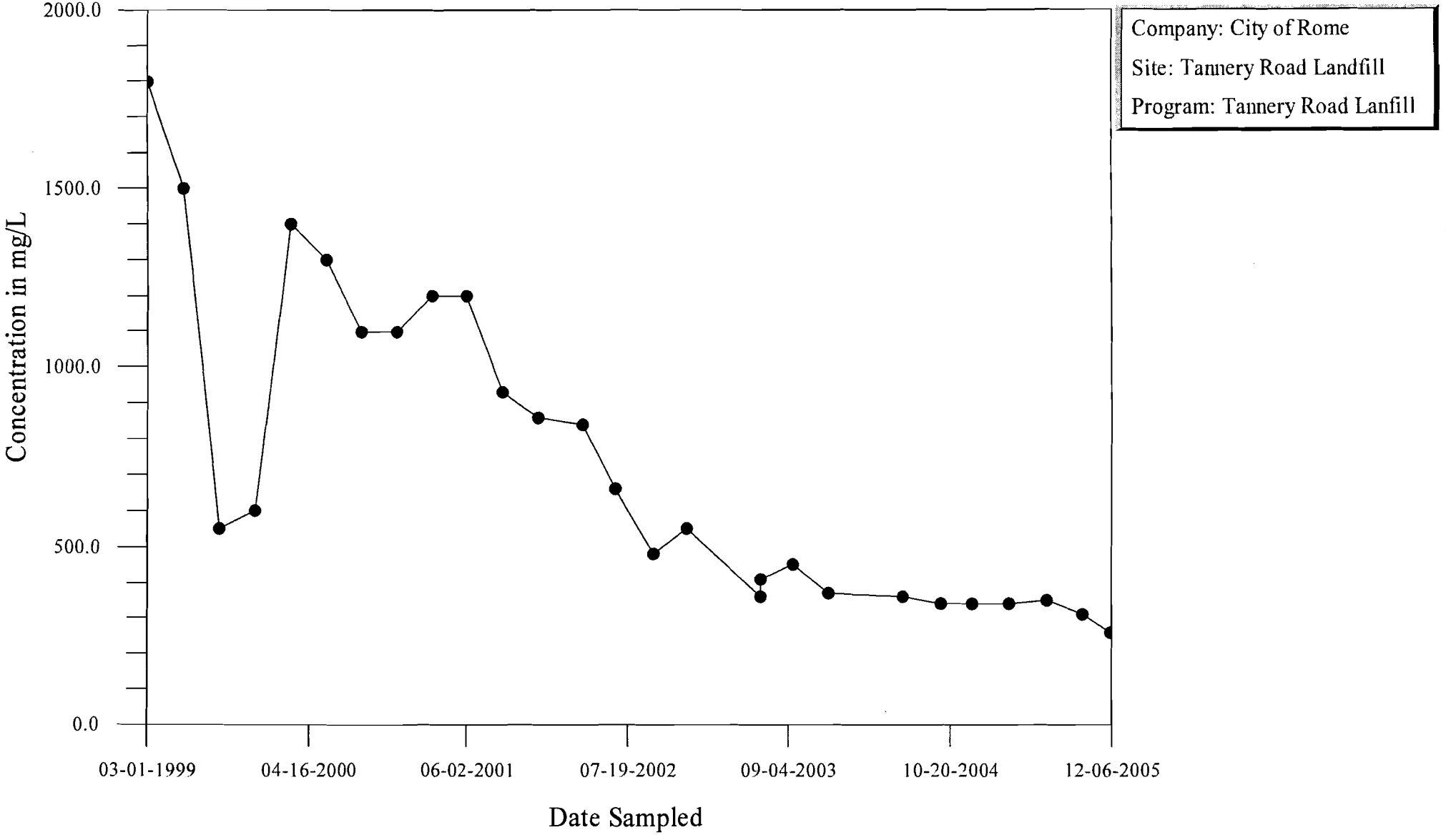
Time-Series Plot

Total Dissolved Solids, MW-2D



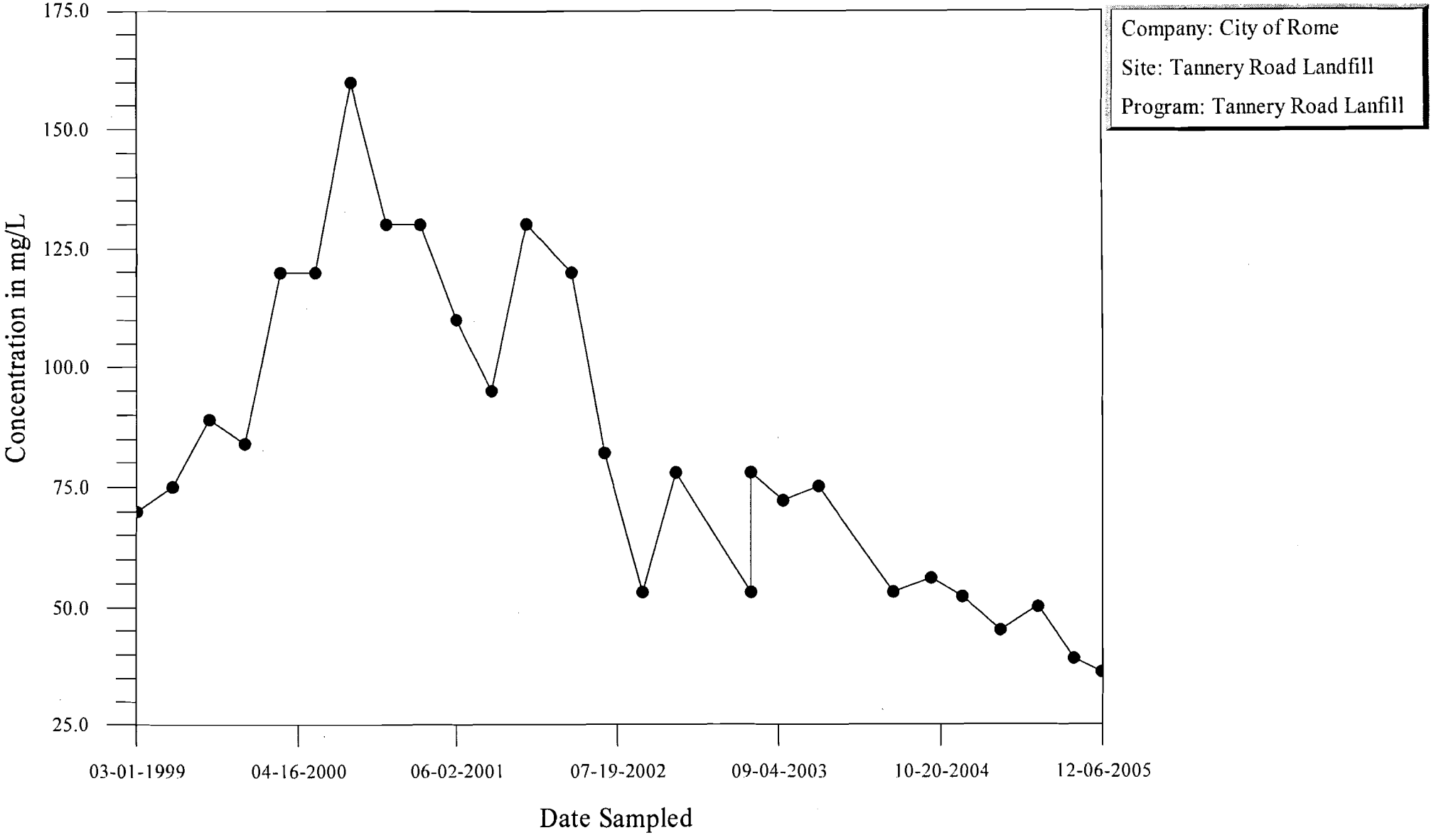
Time-Series Plot

Total Alkalinity, MW-3S



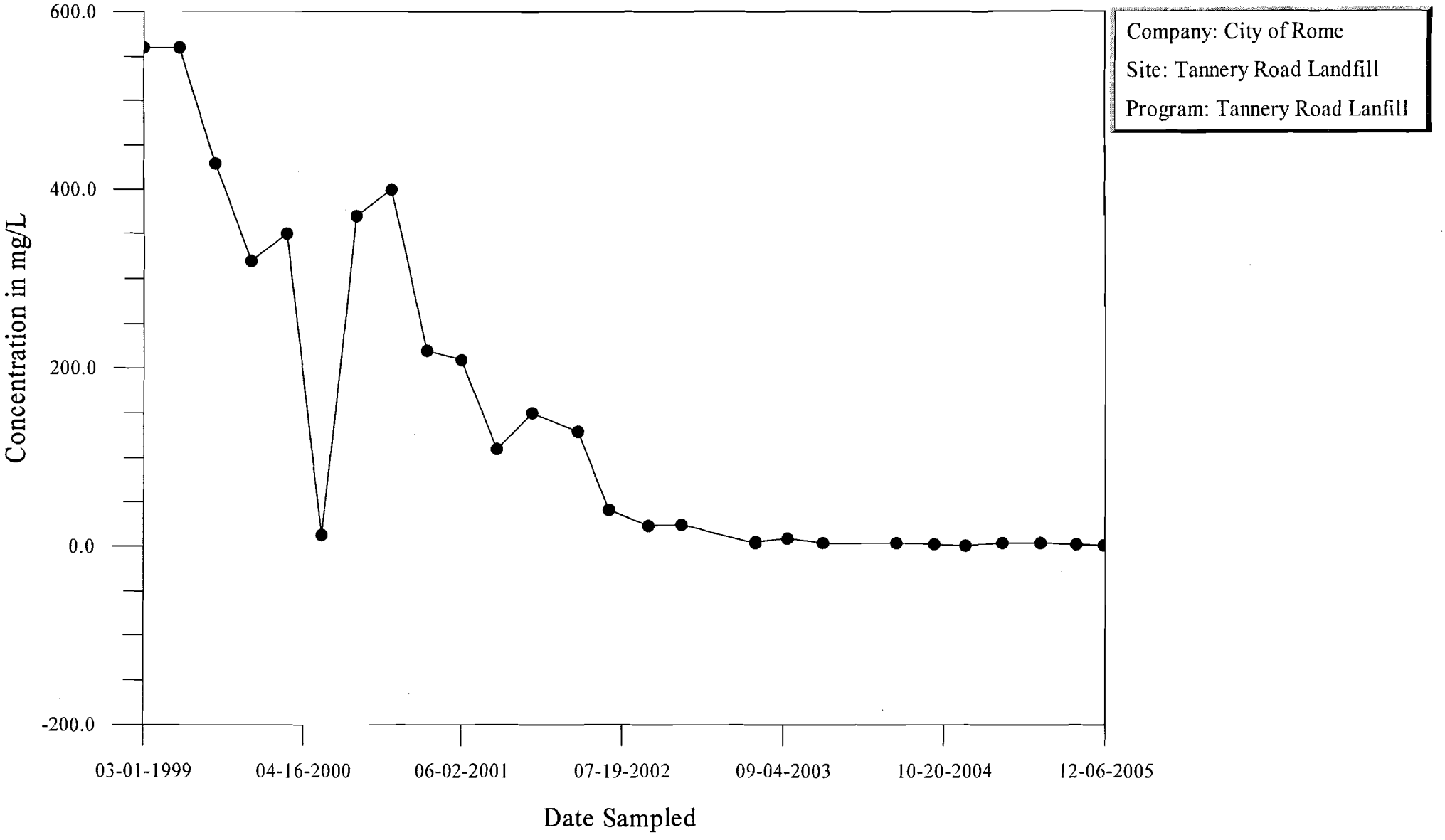
Time-Series Plot

Ammonia-Nitrogen, MW-3S



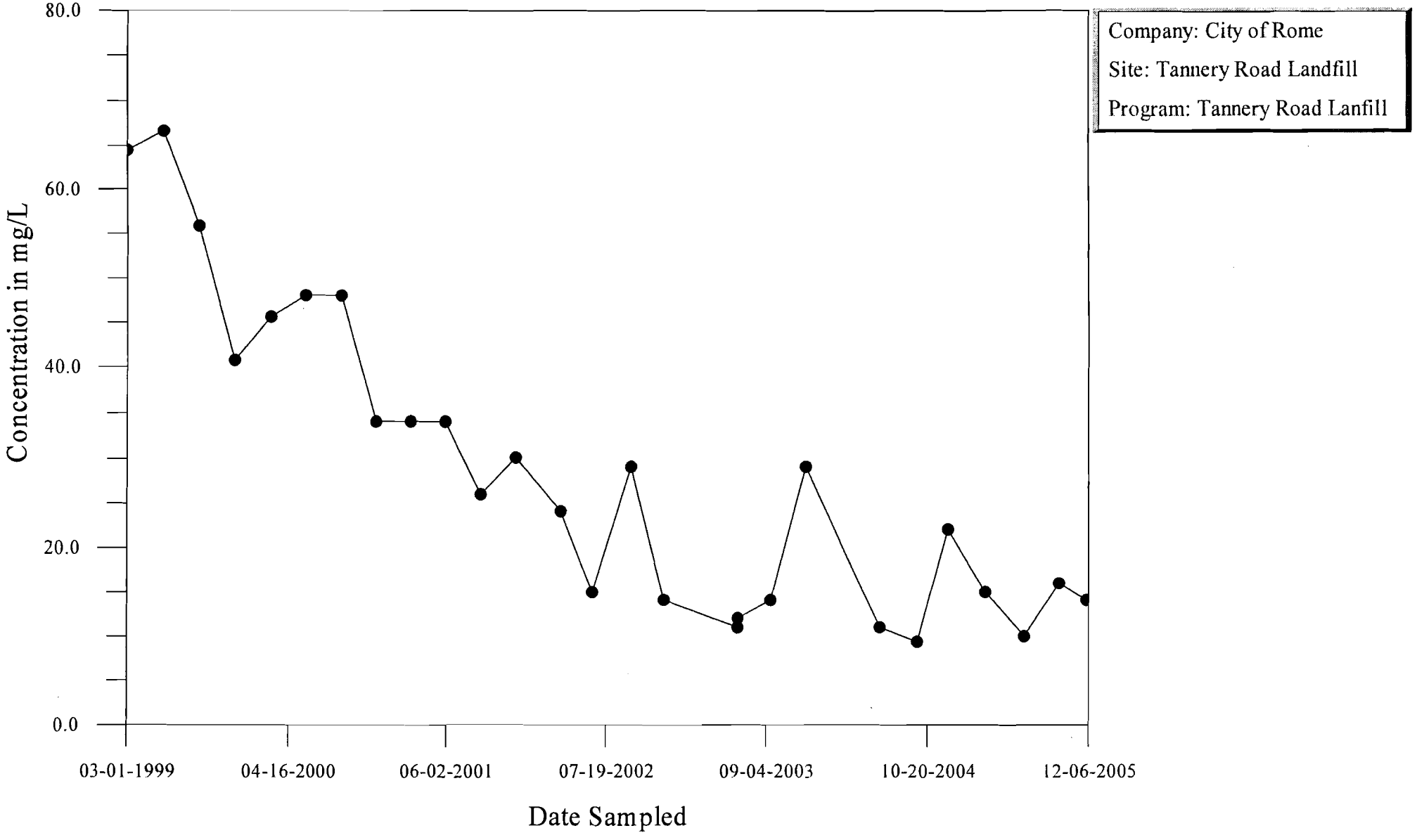
Time-Series Plot

Chloride, MW-3S



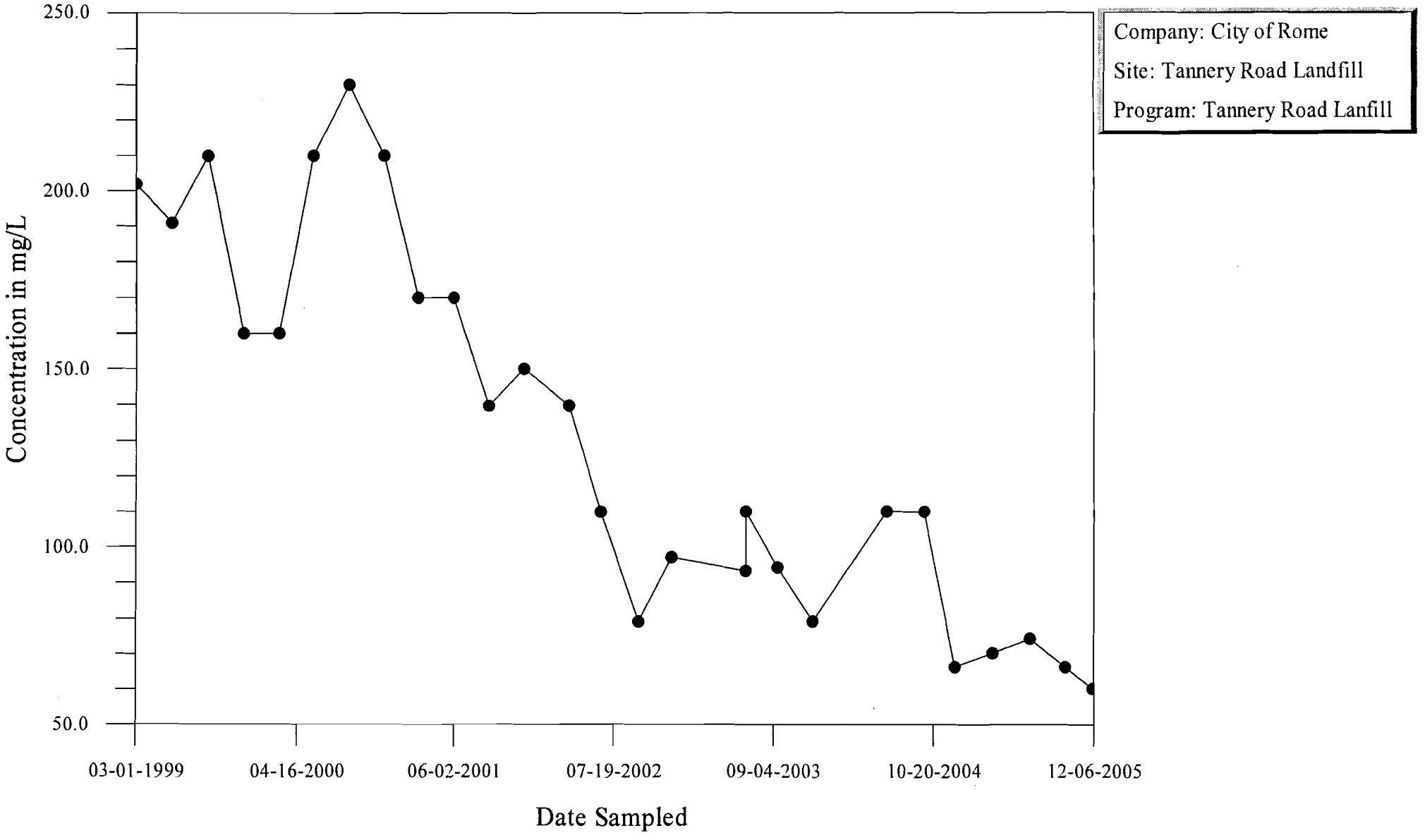
Time-Series Plot

Iron, MW-3S



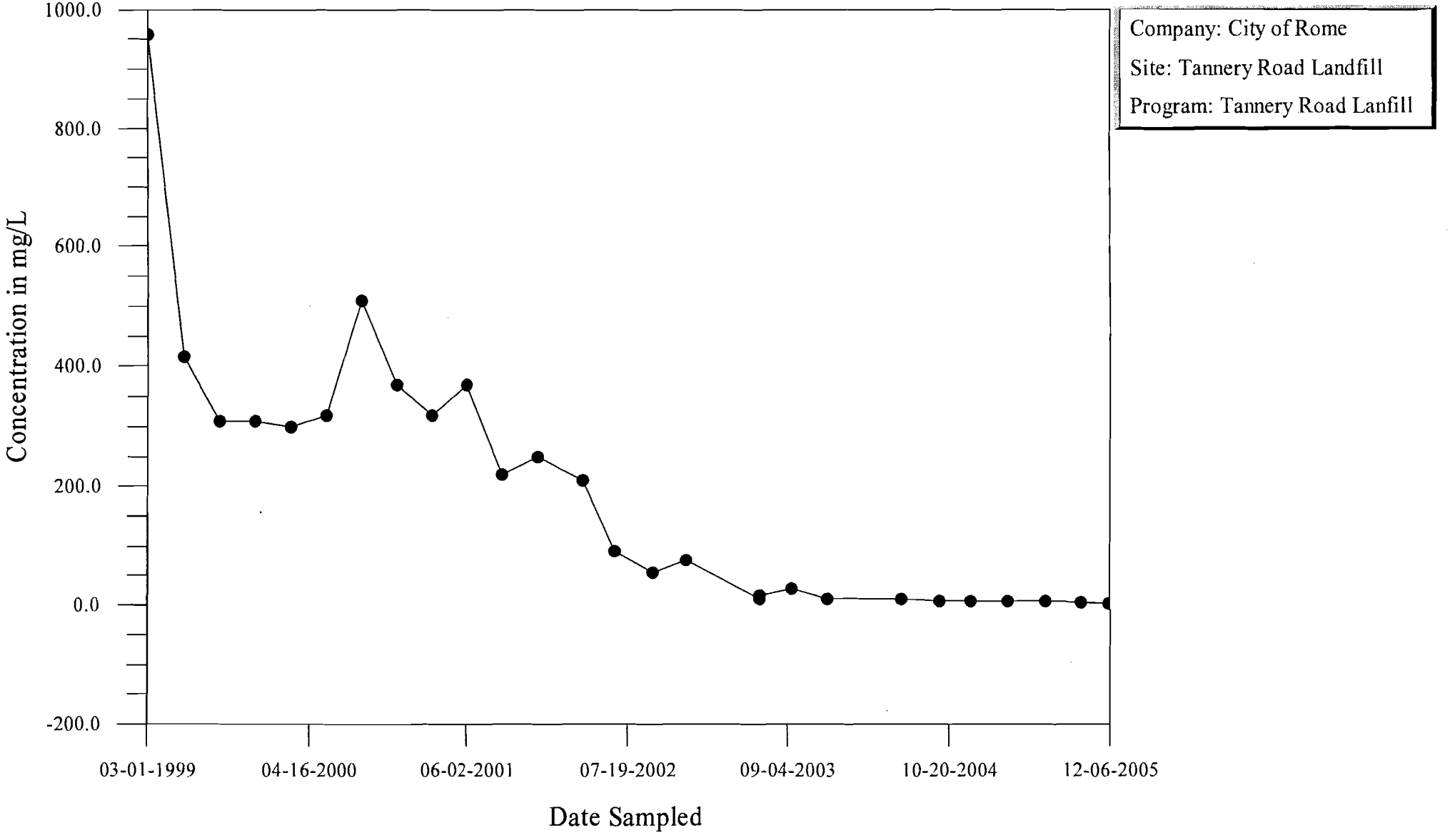
Time-Series Plot

Potassium, MW-3S



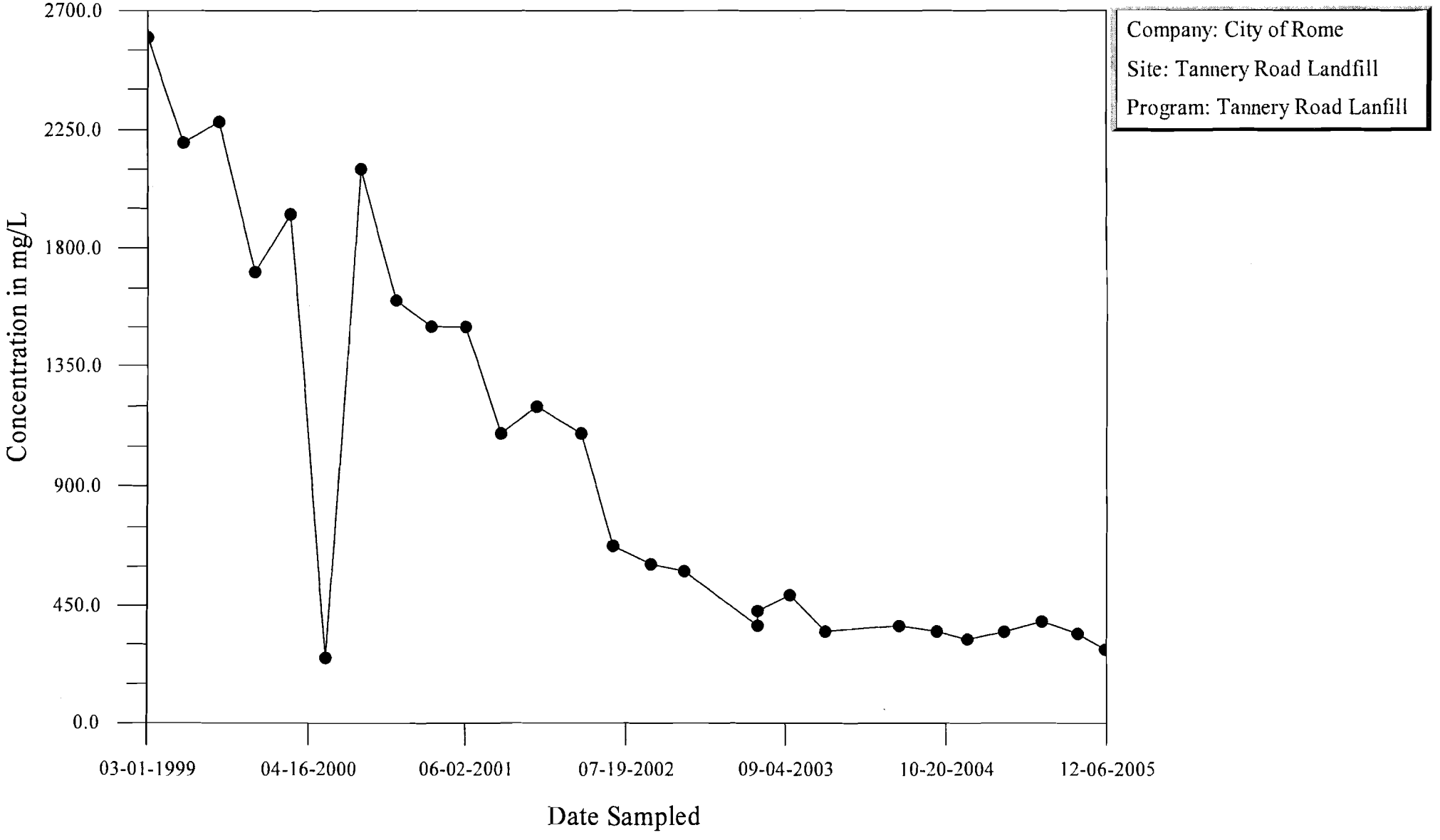
Time-Series Plot

Sodium, MW-3S



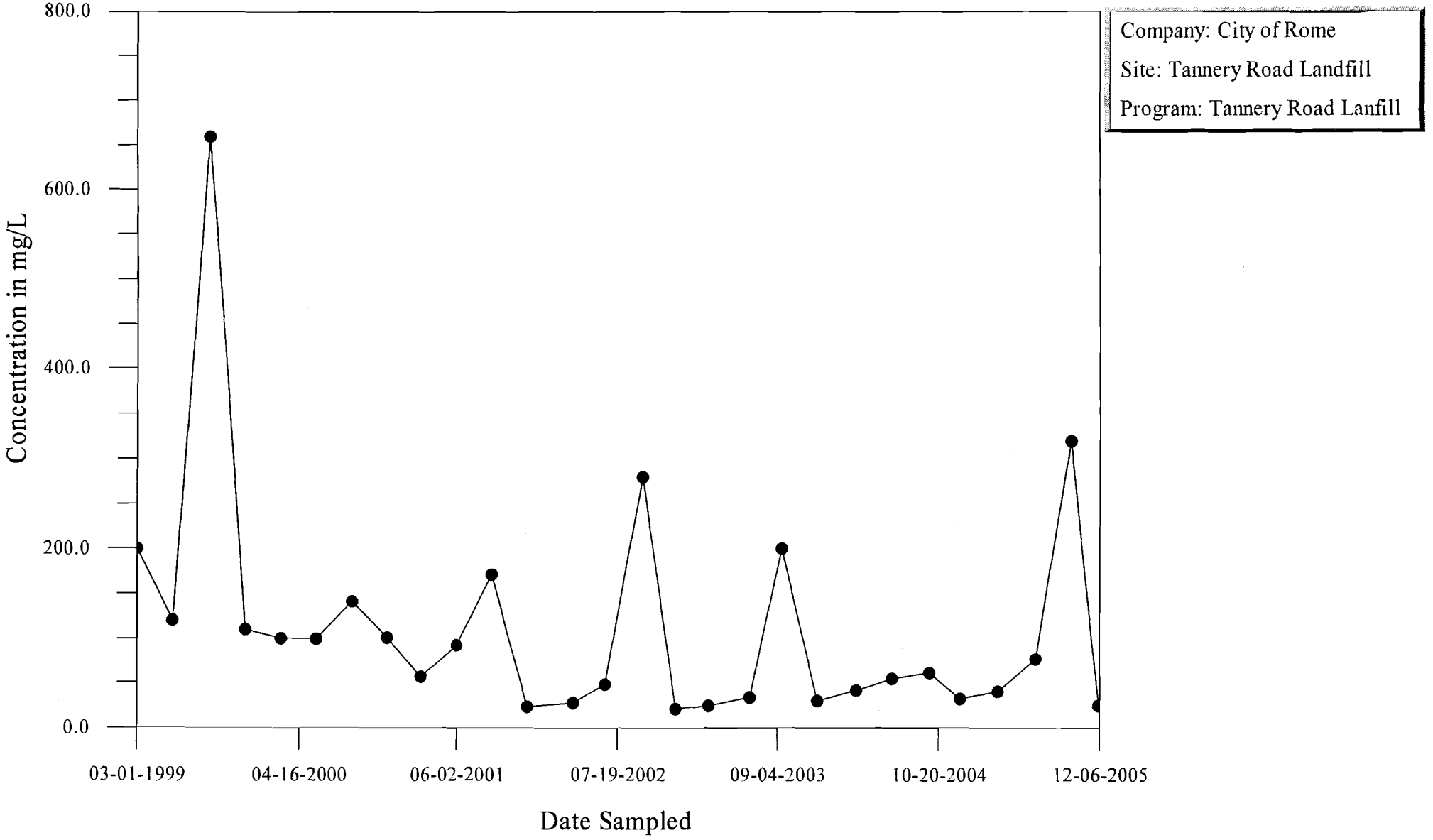
Time-Series Plot

Total Dissolved Solids, MW-3S



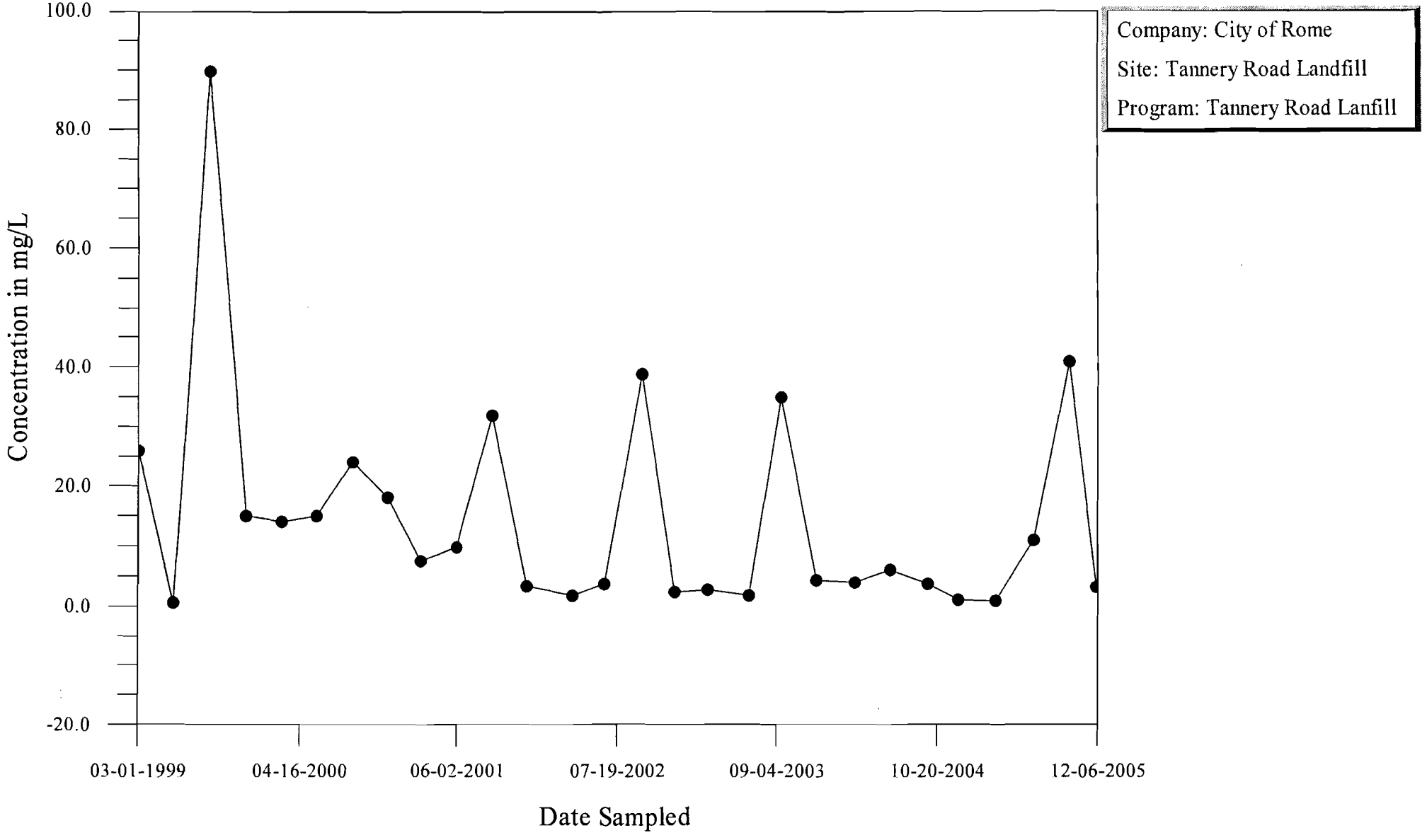
Time-Series Plot

Total Alkalinity, MW-4S



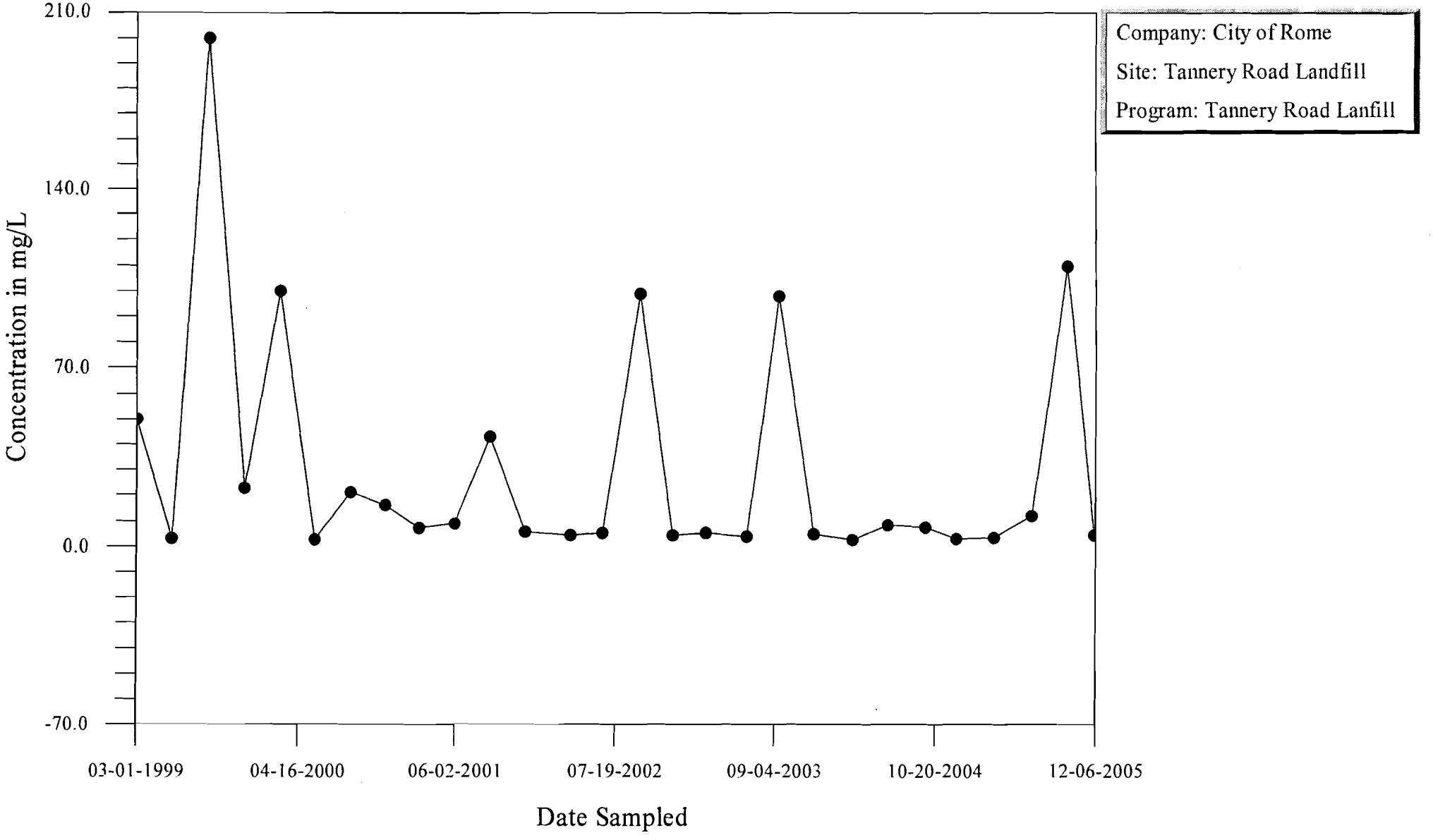
Time-Series Plot

Ammonia-Nitrogen, MW-4S



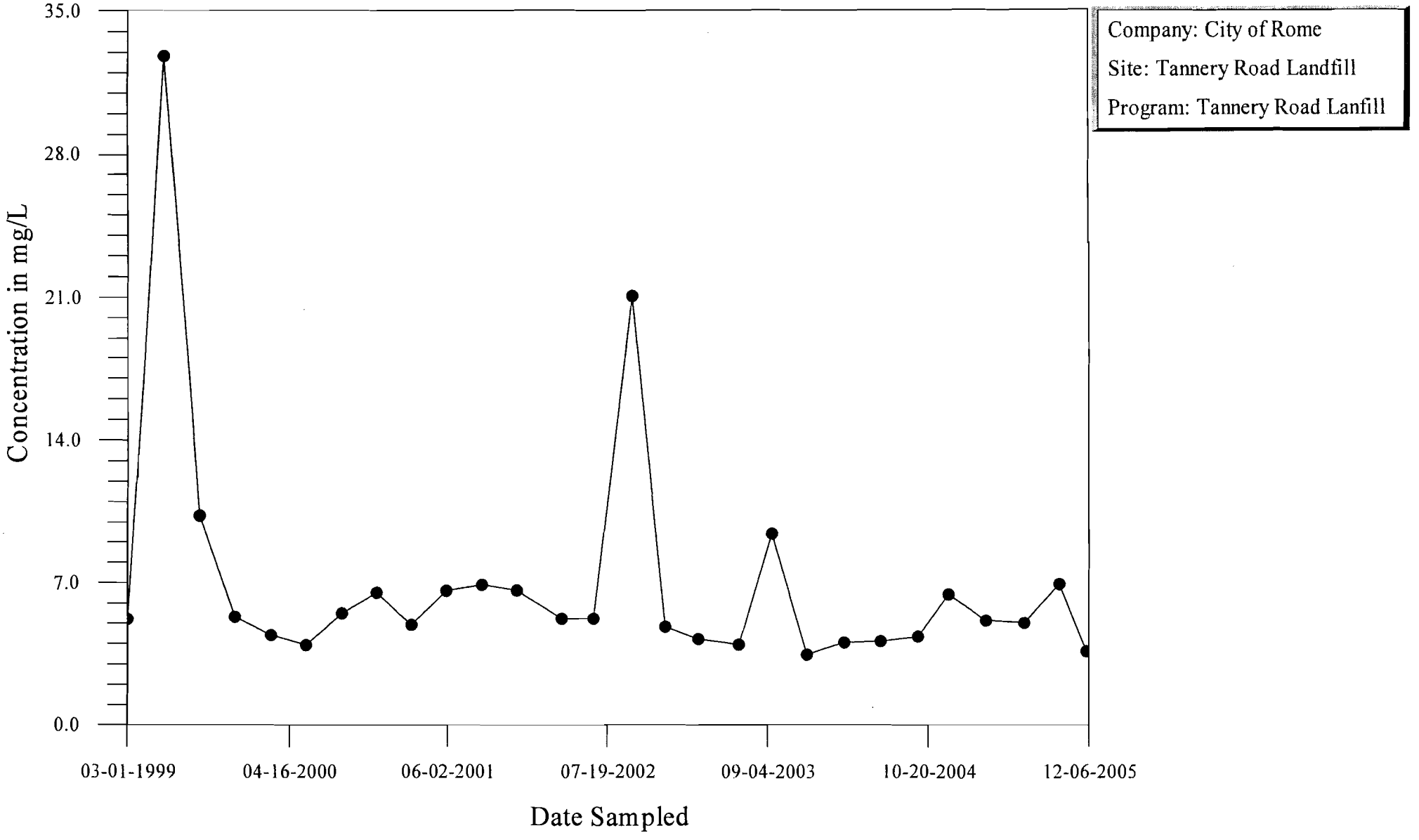
Time-Series Plot

Chloride, MW-4S



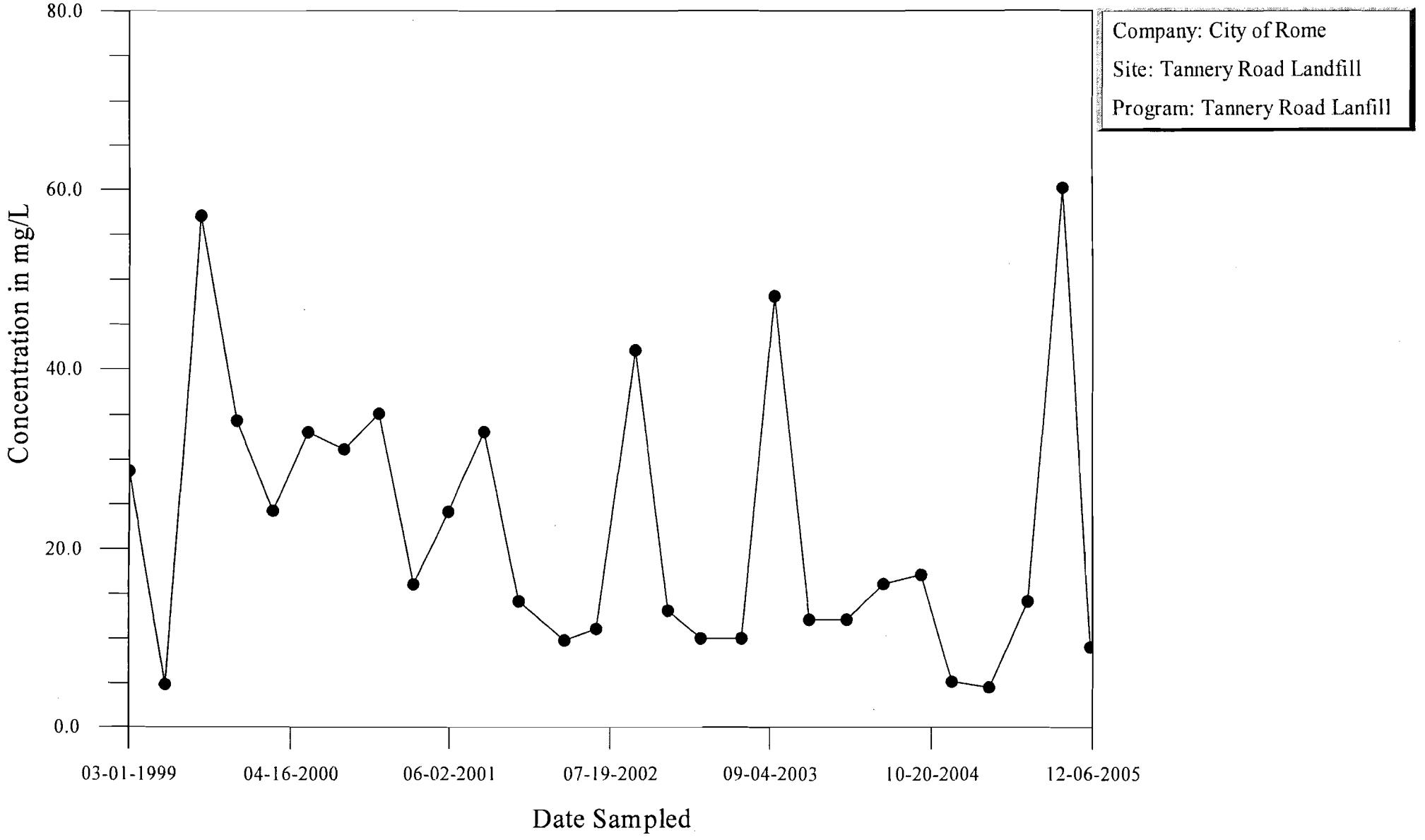
Time-Series Plot

Iron, MW-4S



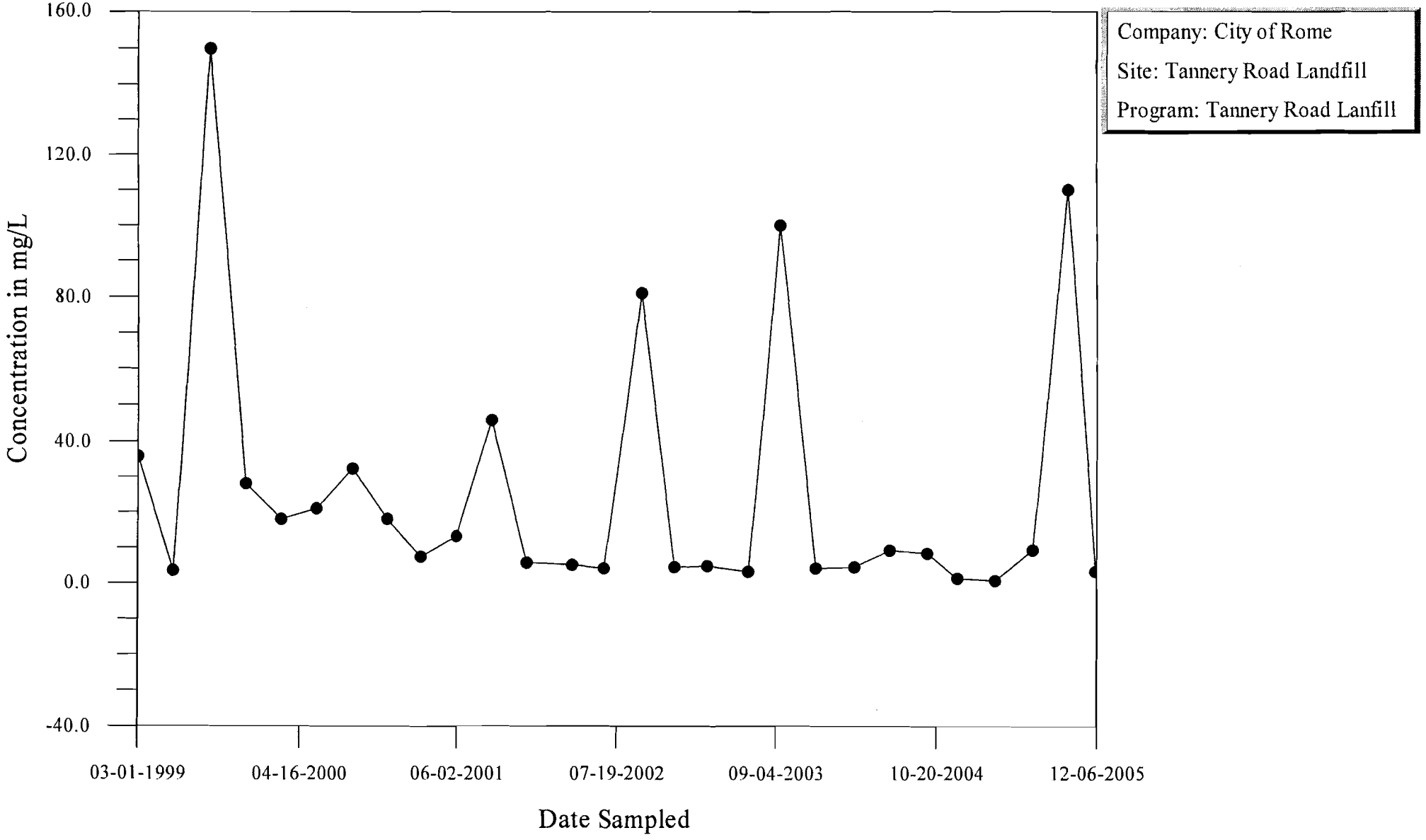
Time-Series Plot

Potassium, MW-4S



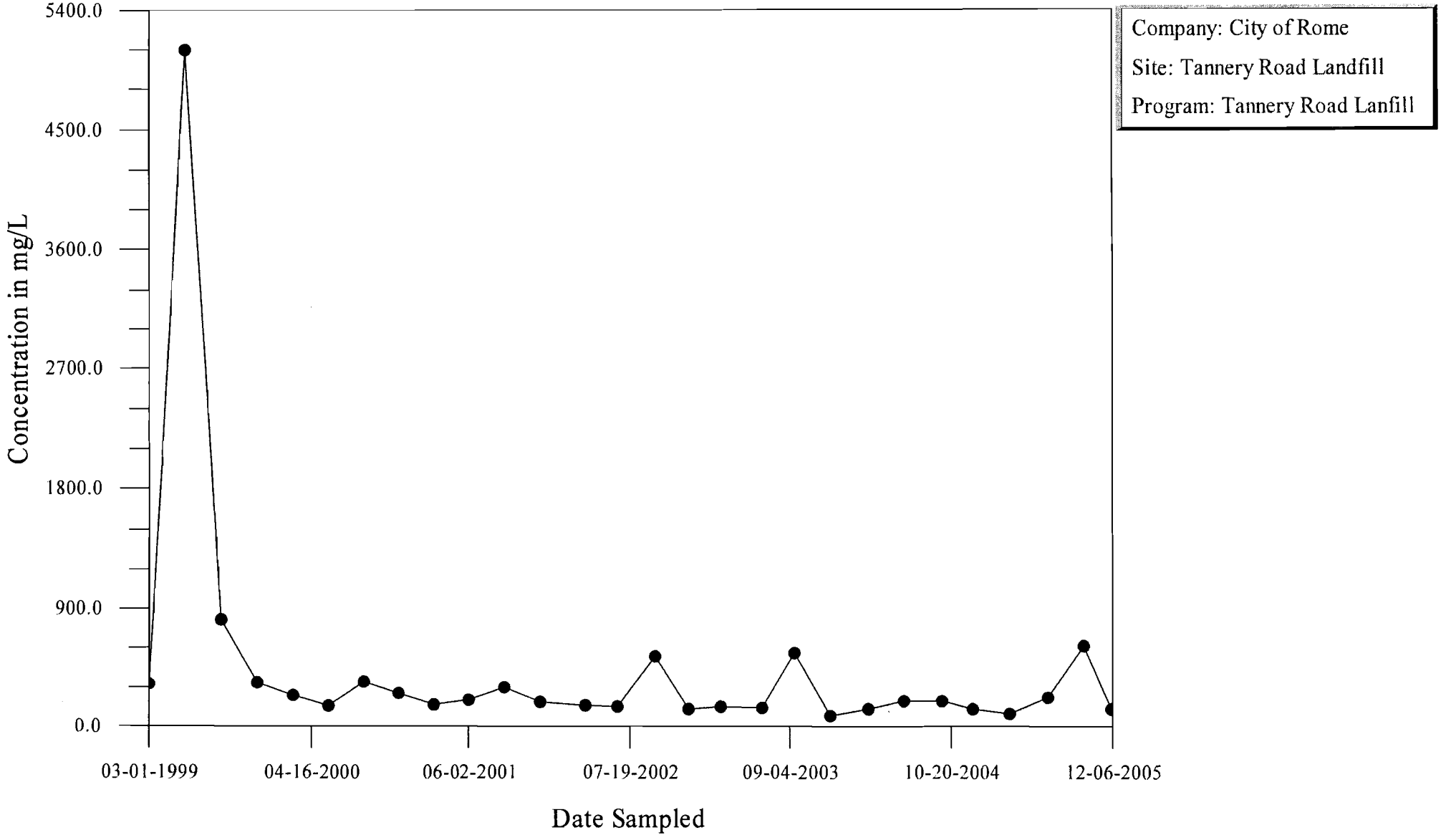
Time-Series Plot

Sodium, MW-4S



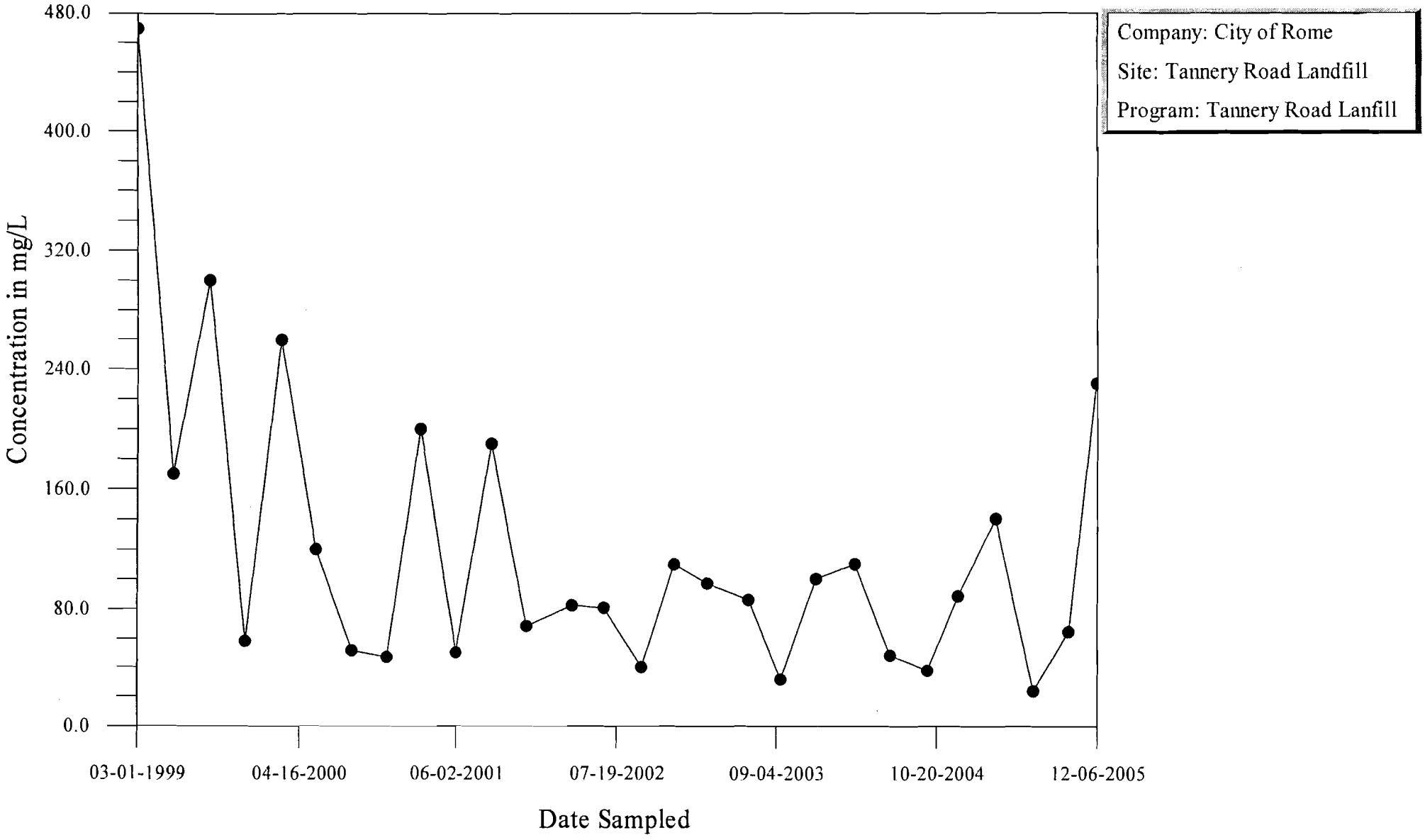
Time-Series Plot

Total Dissolved Solids, MW-4S



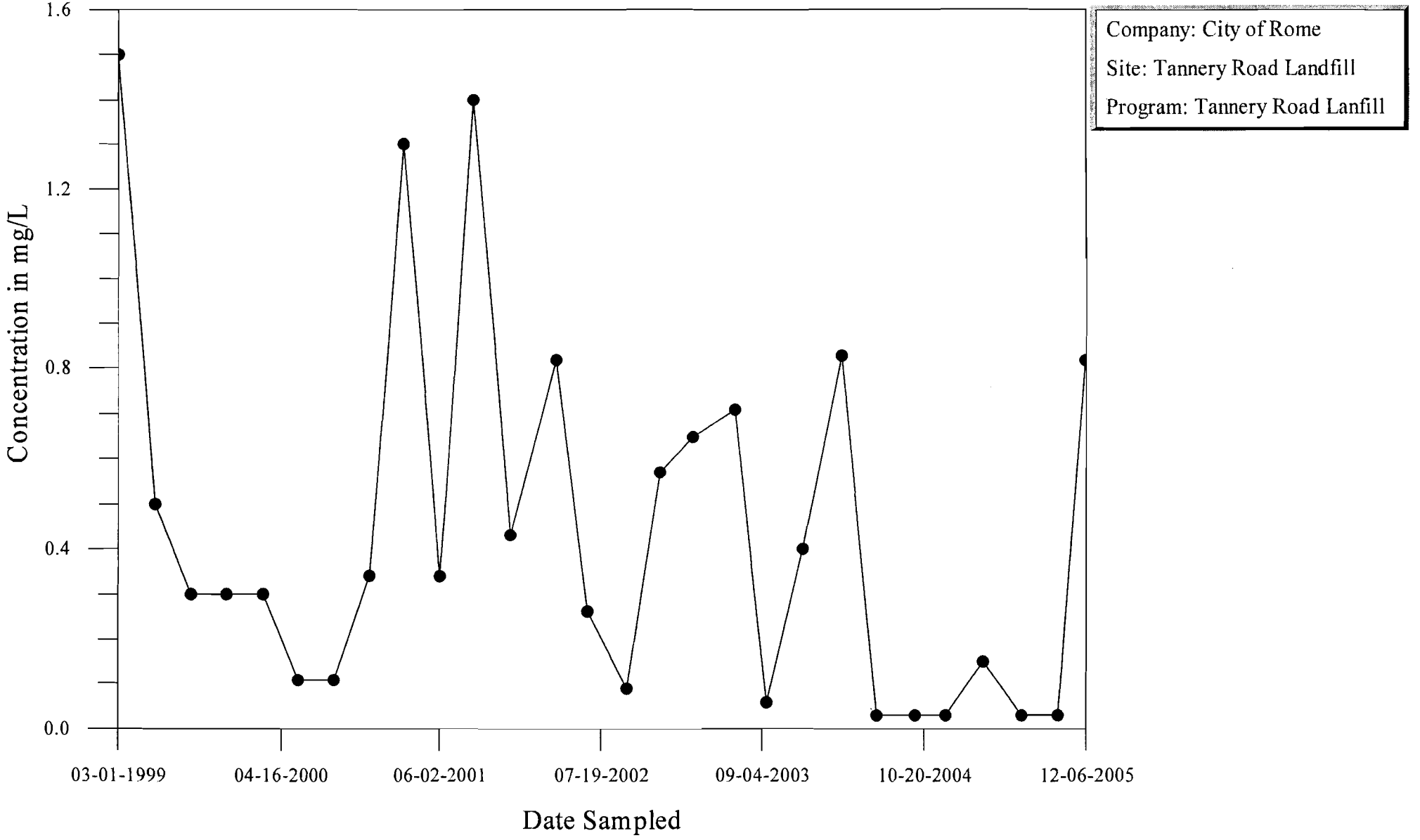
Time-Series Plot

Total Alkalinity, MW-5S



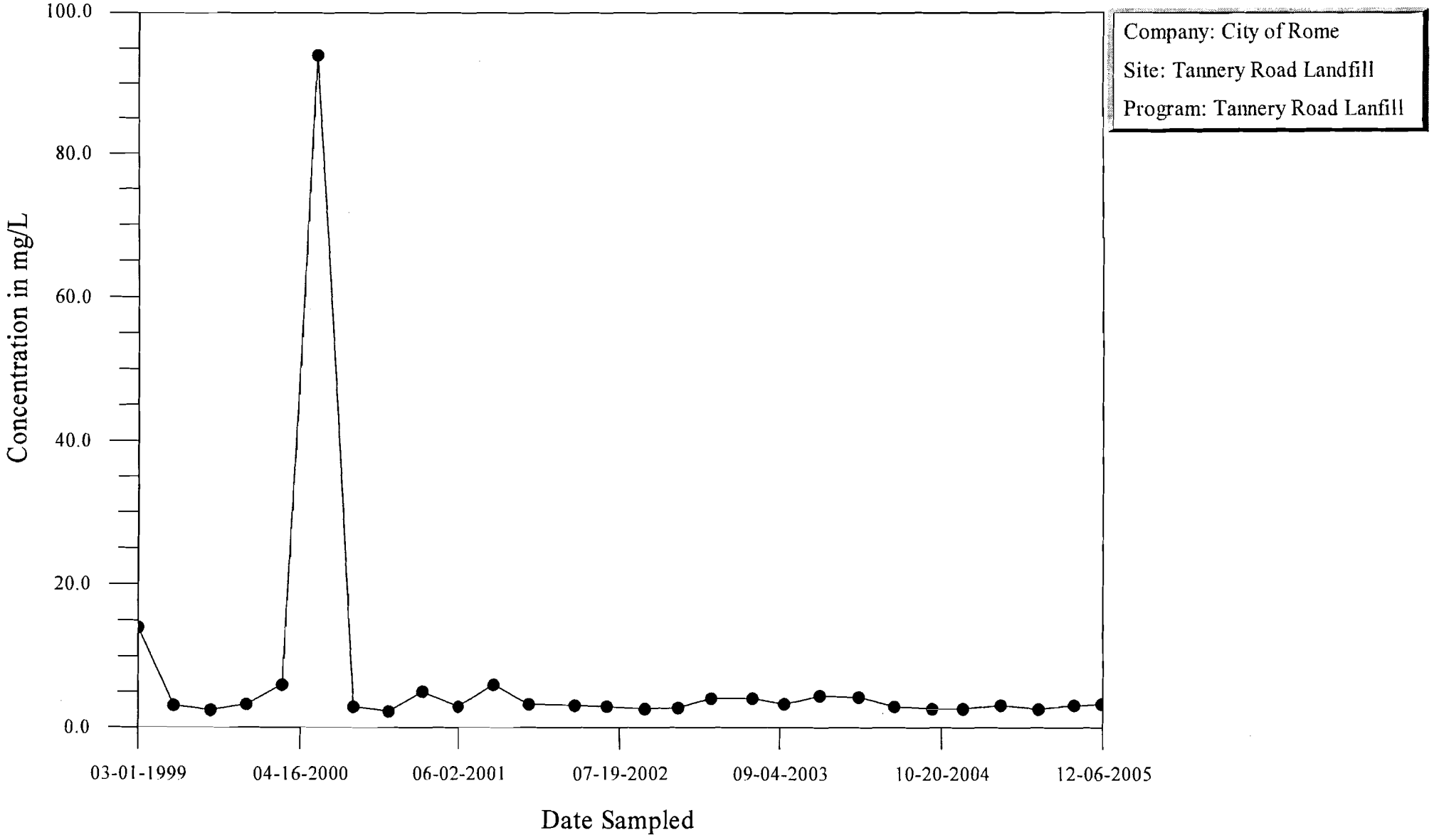
Time-Series Plot

Ammonia-Nitrogen, MW-5S



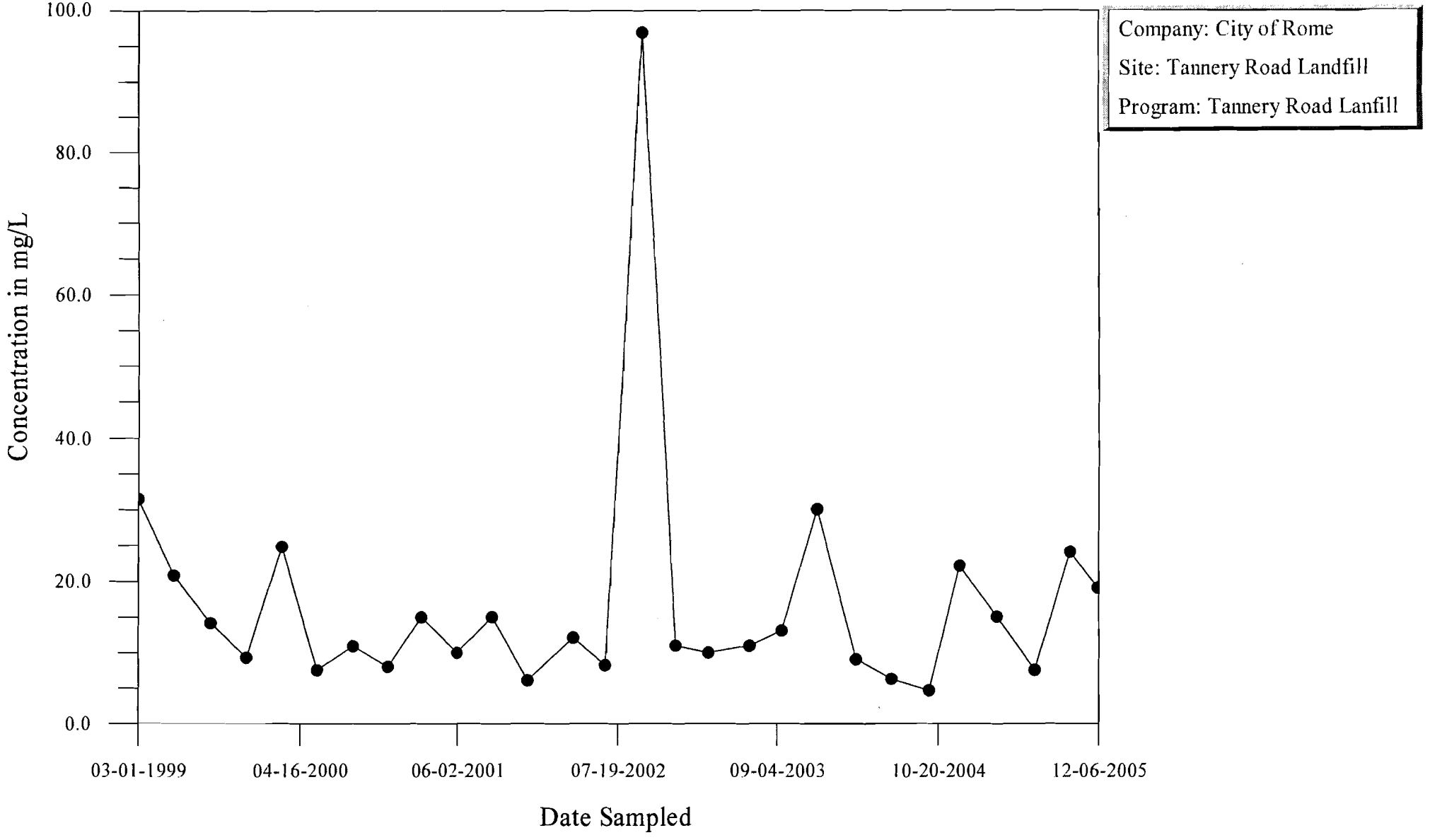
Time-Series Plot

Chloride, MW-5S



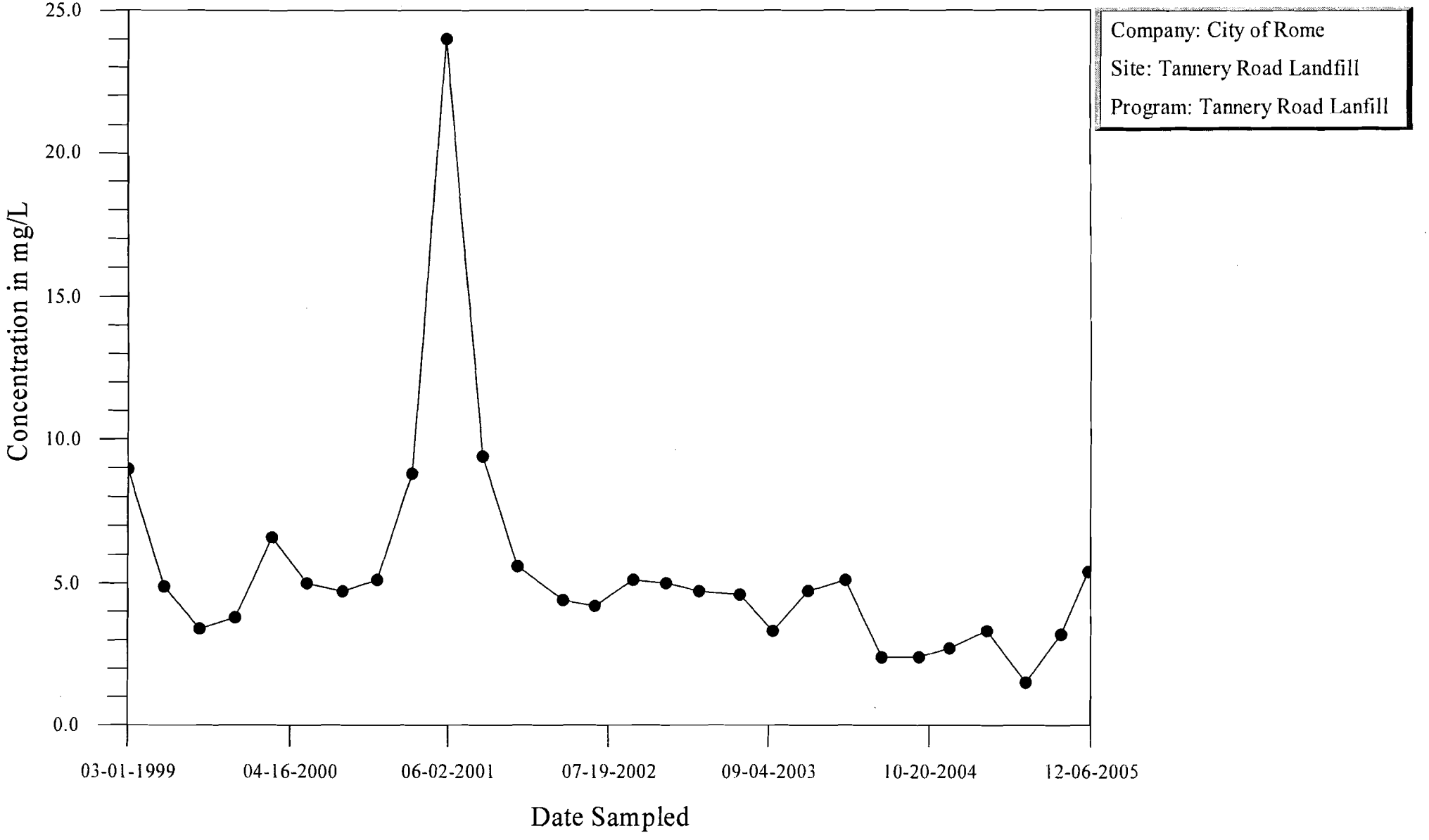
Time-Series Plot

Iron, MW-5S



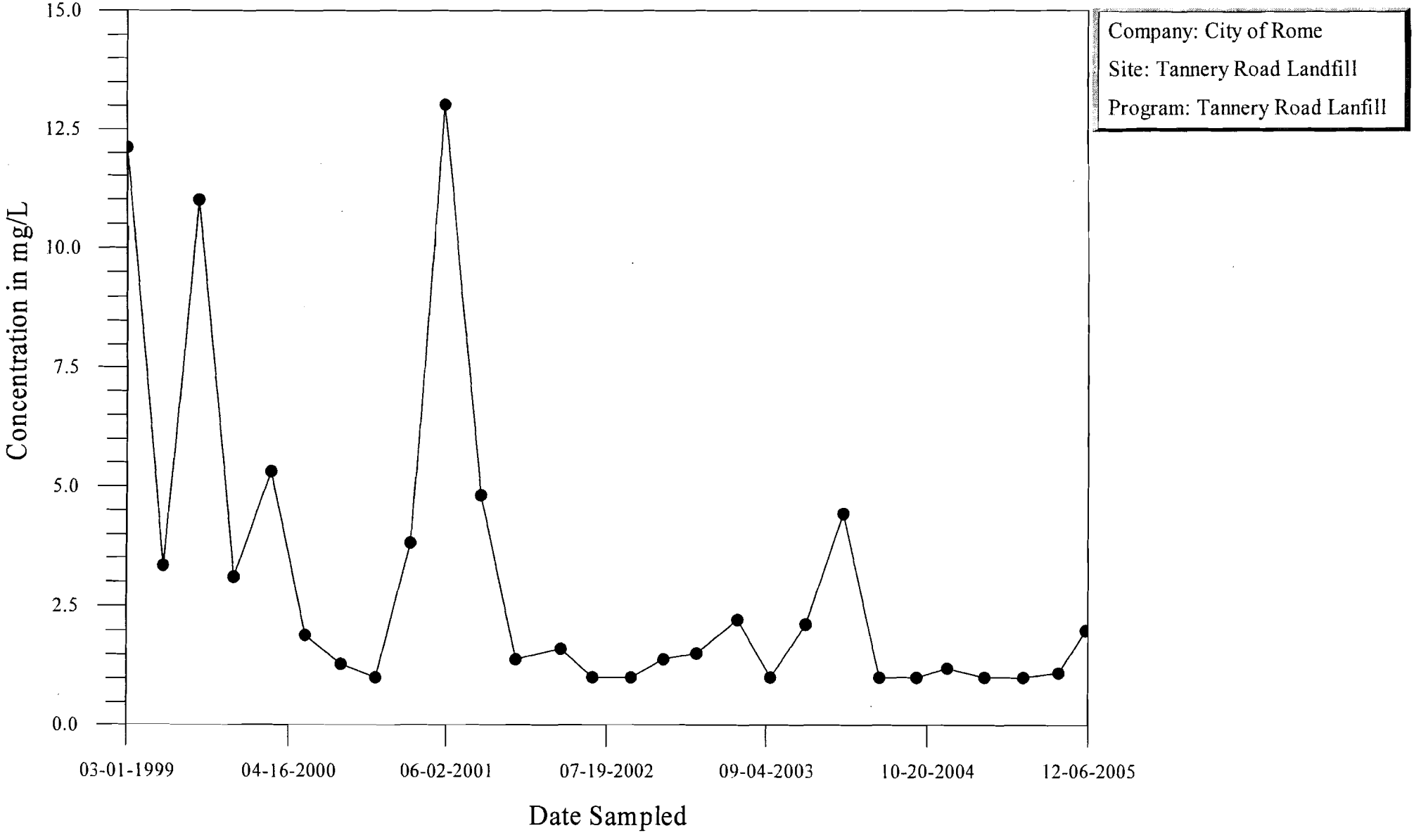
Time-Series Plot

Potassium, MW-5S



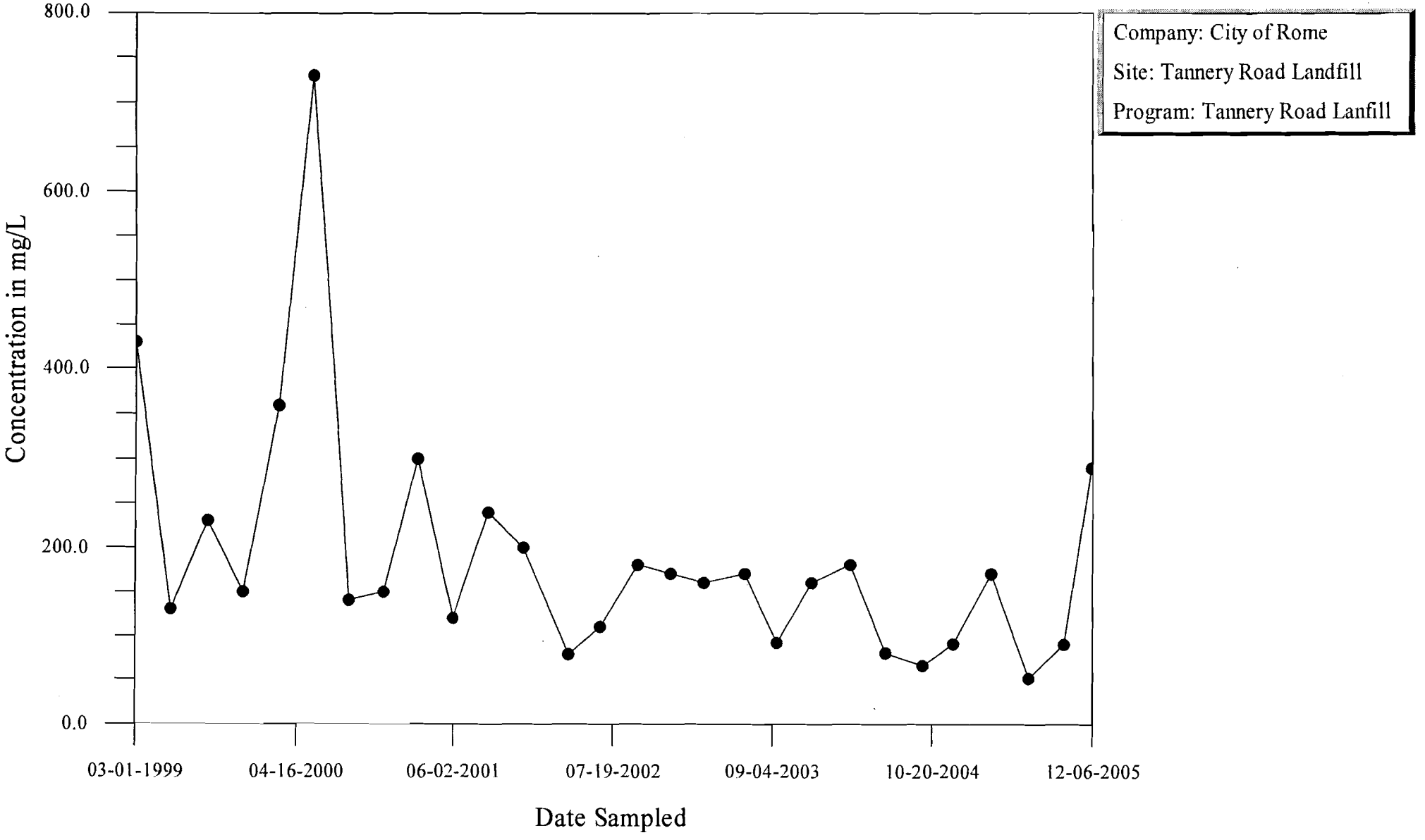
Time-Series Plot

Sodium, MW-5S



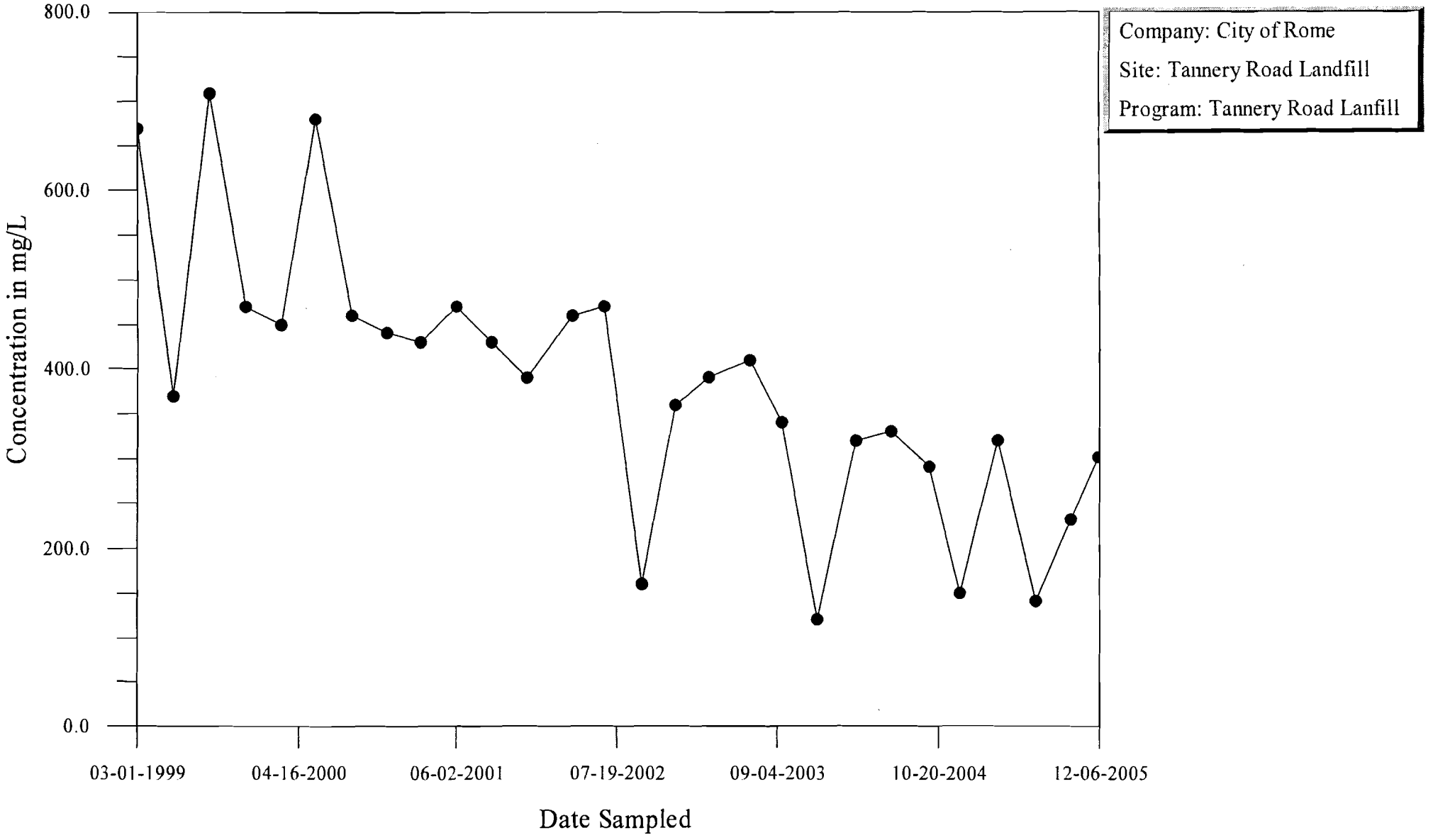
Time-Series Plot

Total Dissolved Solids, MW-5S



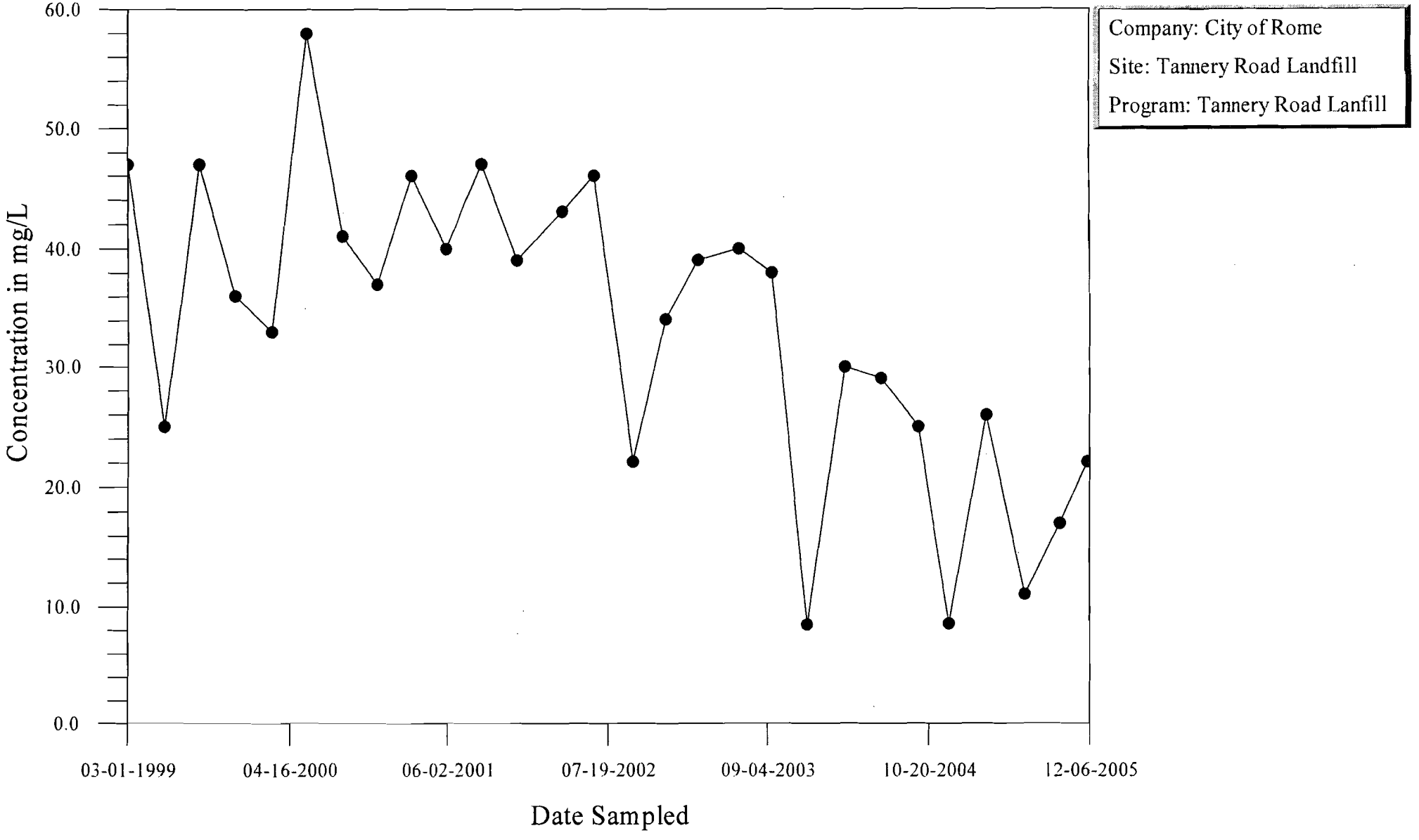
Time-Series Plot

Total Alkalinity, MW-7D



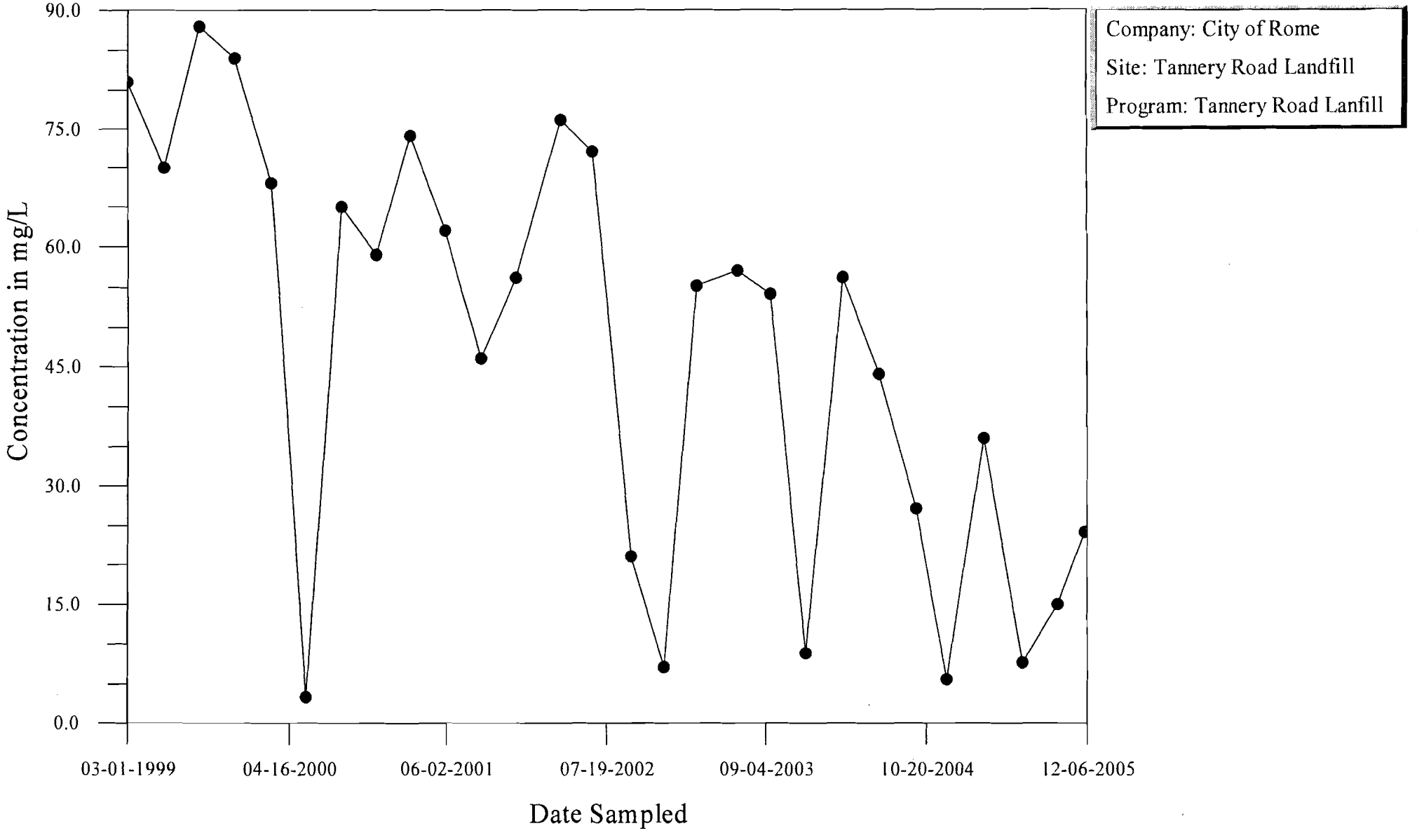
Time-Series Plot

Ammonia-Nitrogen, MW-7D



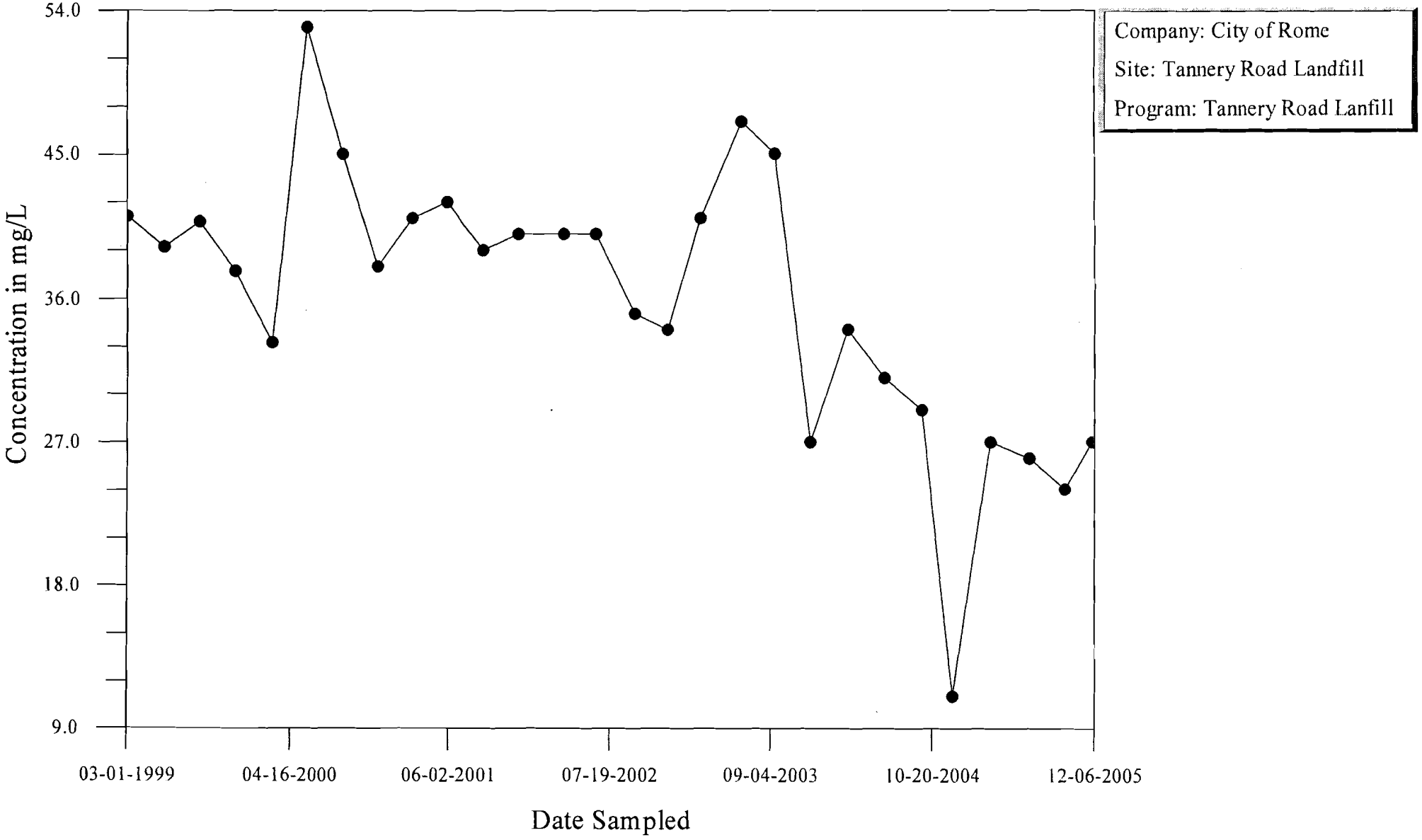
Time-Series Plot

Chloride, MW-7D



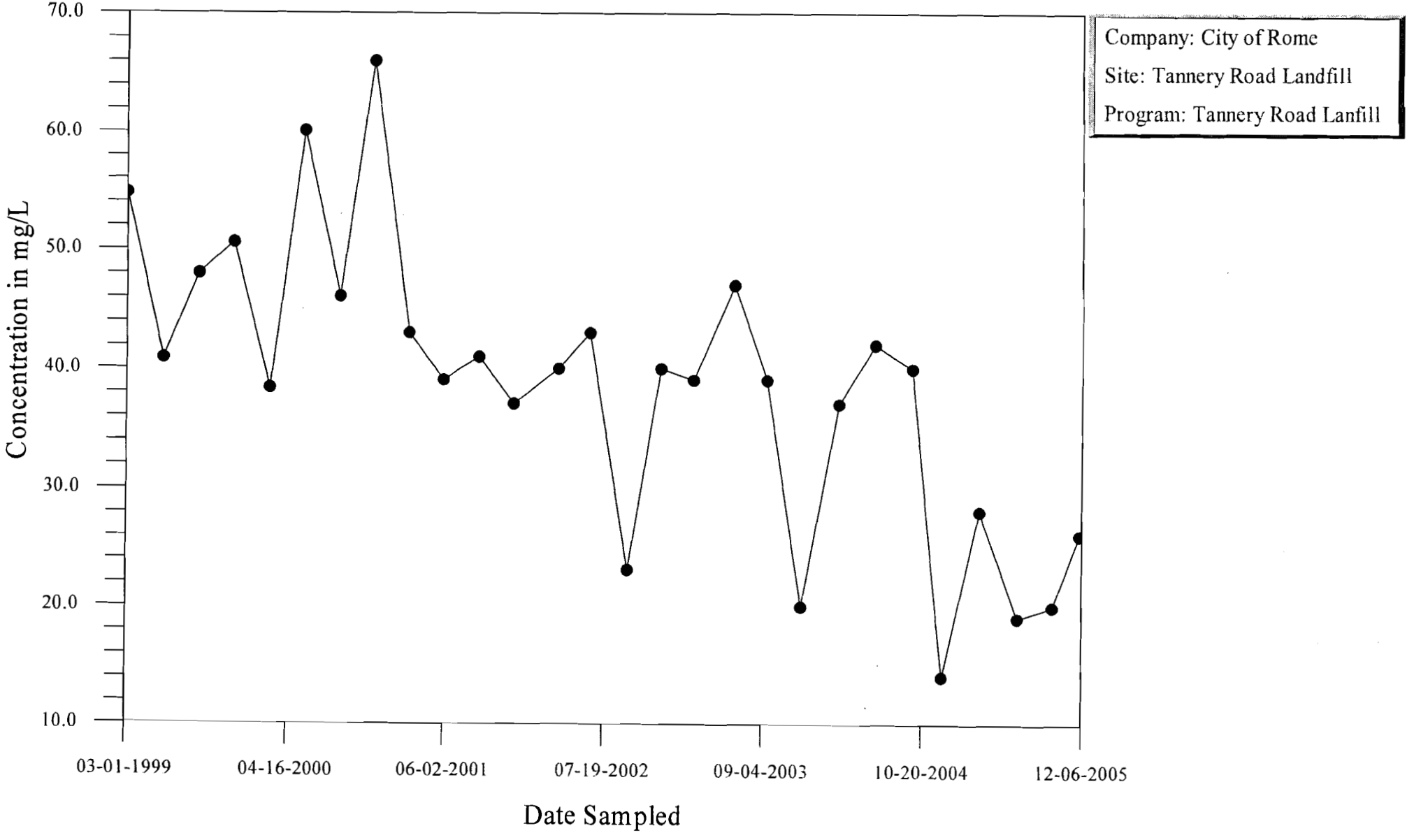
Time-Series Plot

Iron, MW-7D



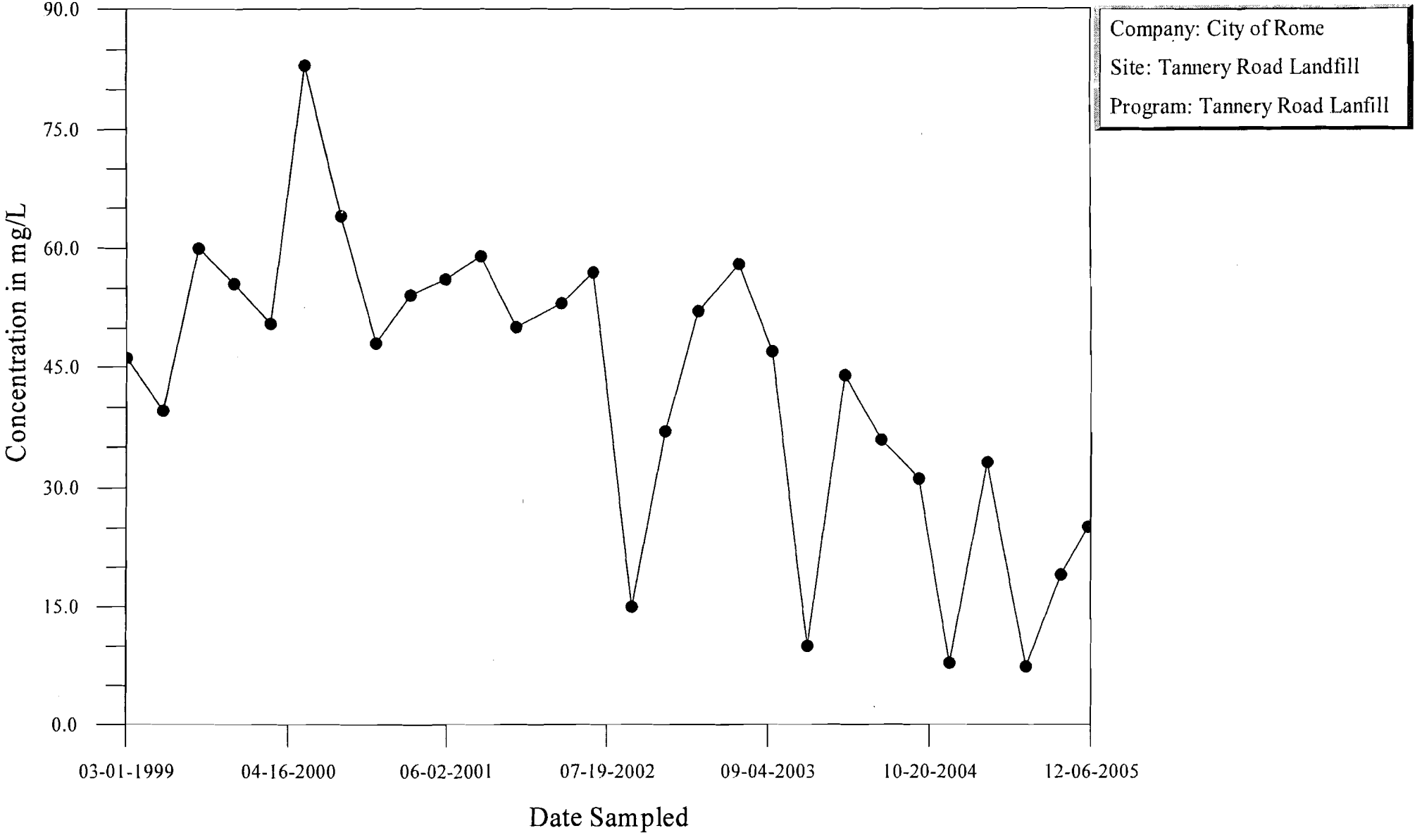
Time-Series Plot

Potassium, MW-7D



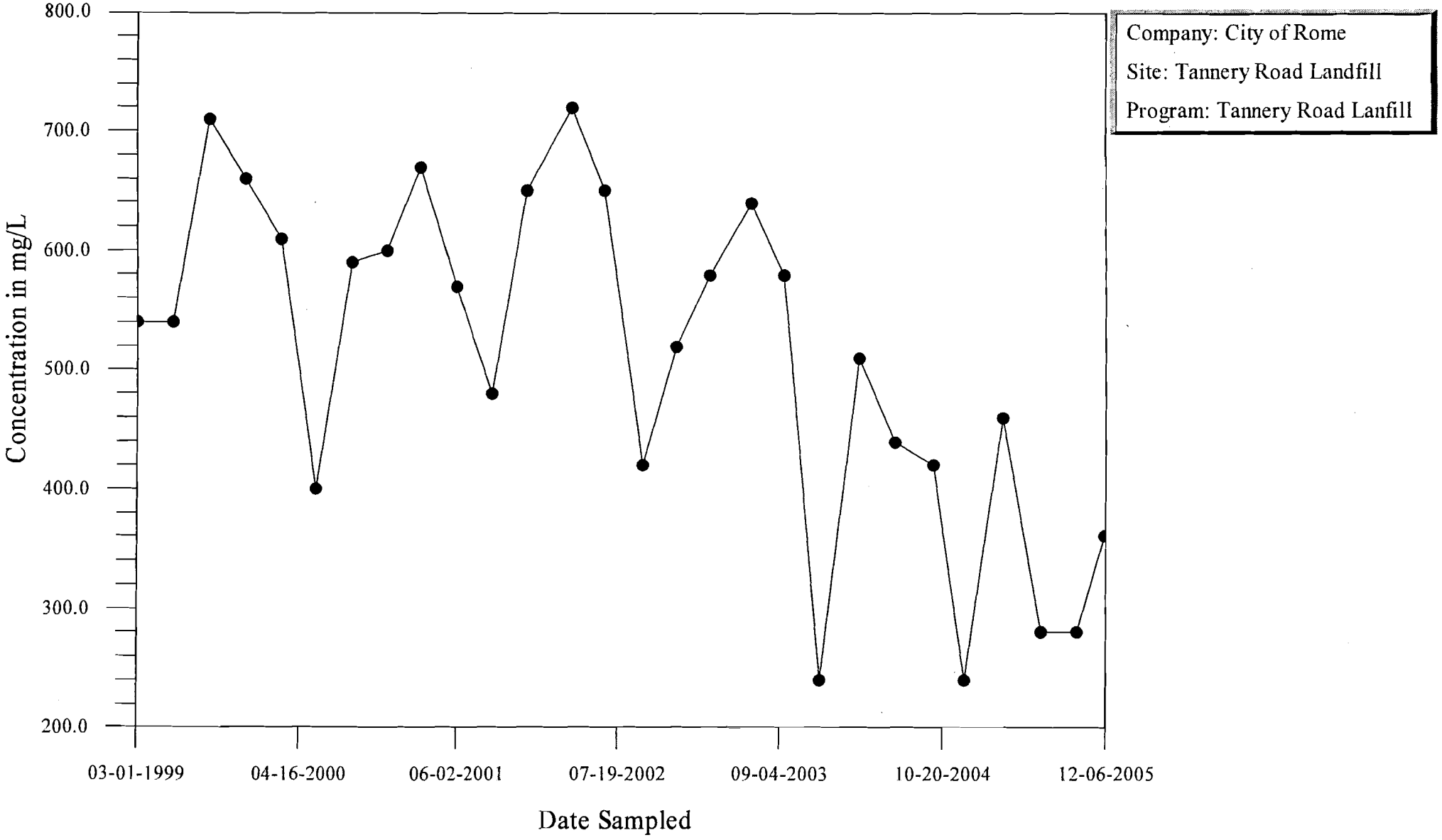
Time-Series Plot

Sodium, MW-7D



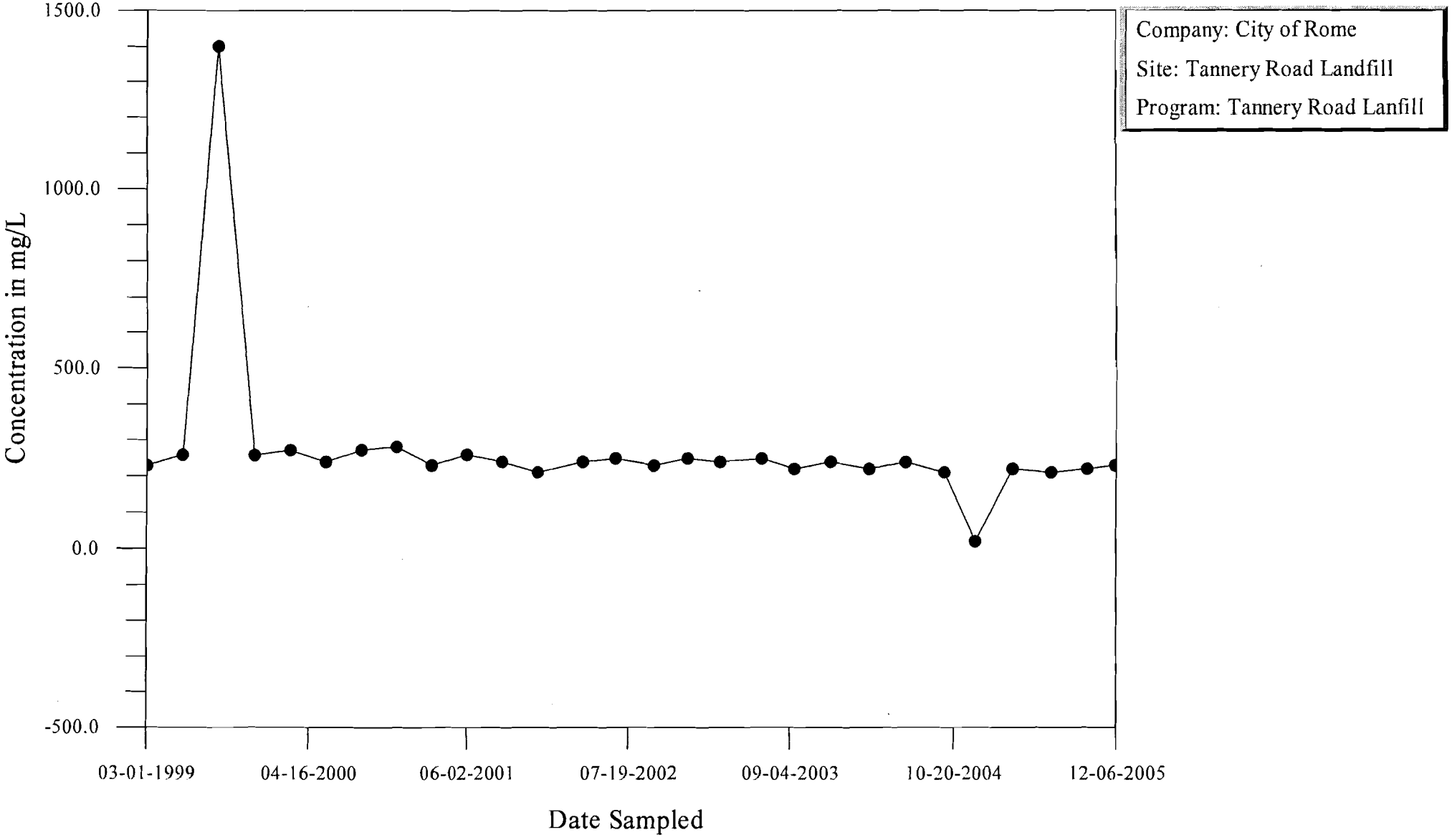
Time-Series Plot

Total Dissolved Solids, MW-7D



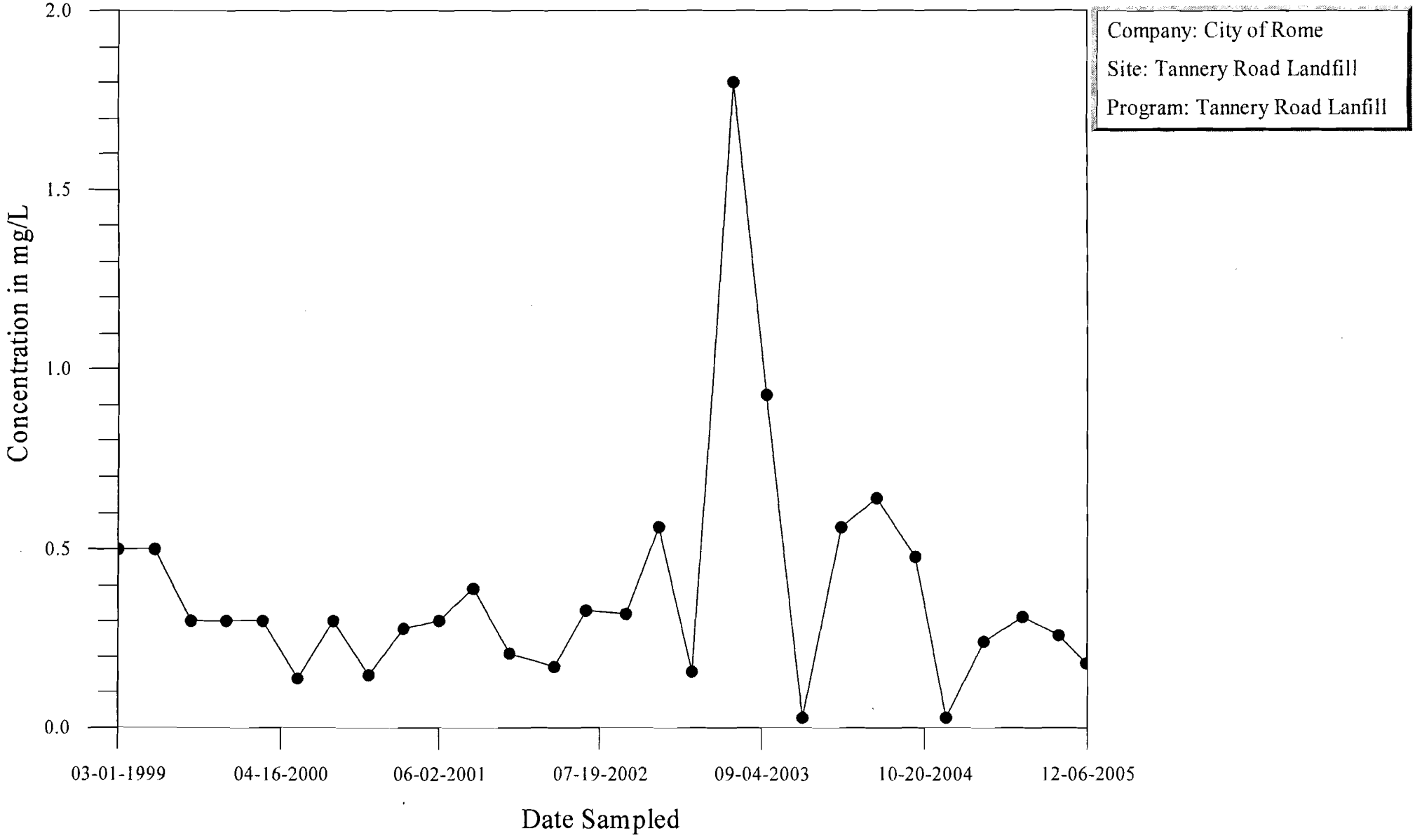
Time-Series Plot

Total Alkalinity, MW-9S



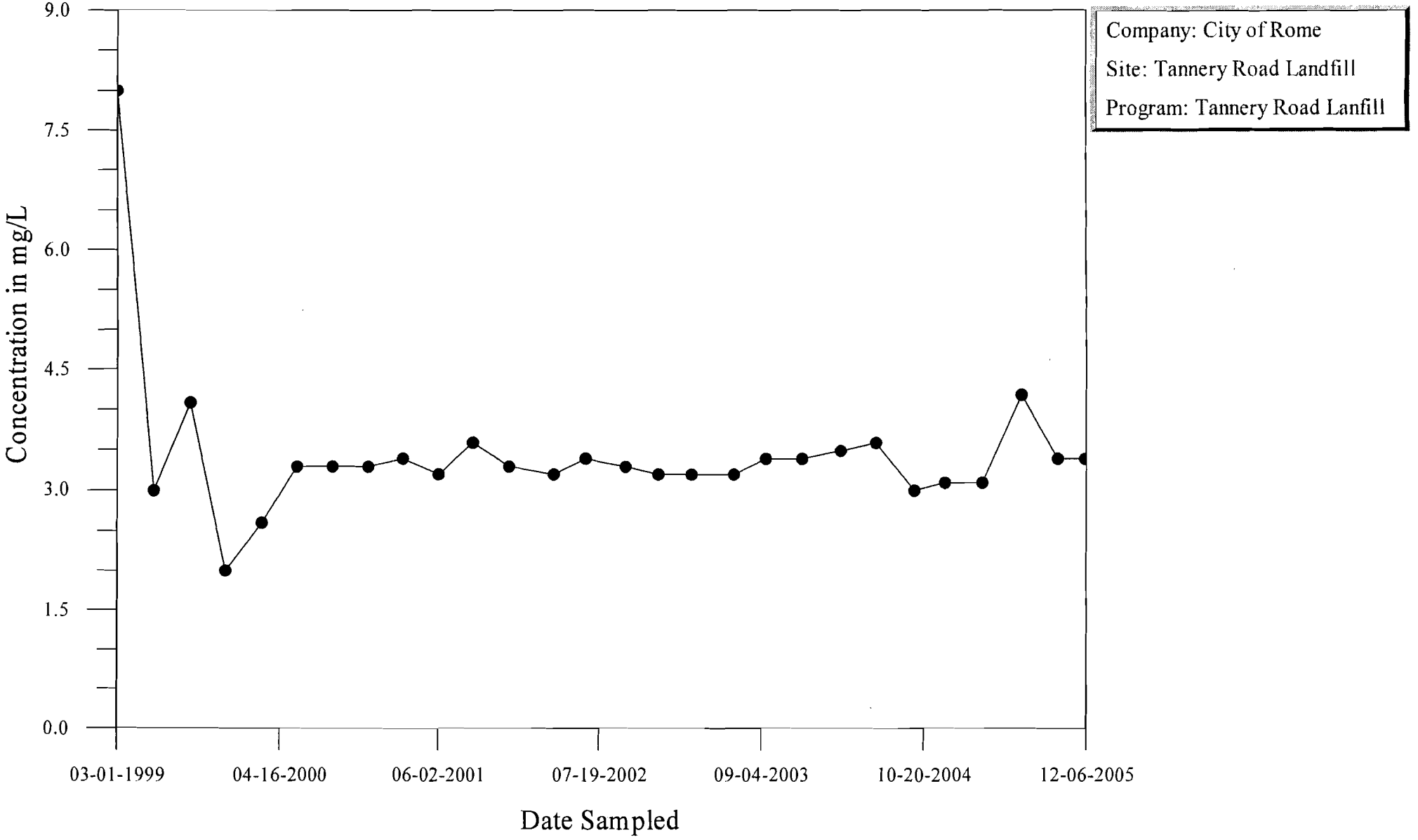
Time-Series Plot

Ammonia-Nitrogen, MW-9S



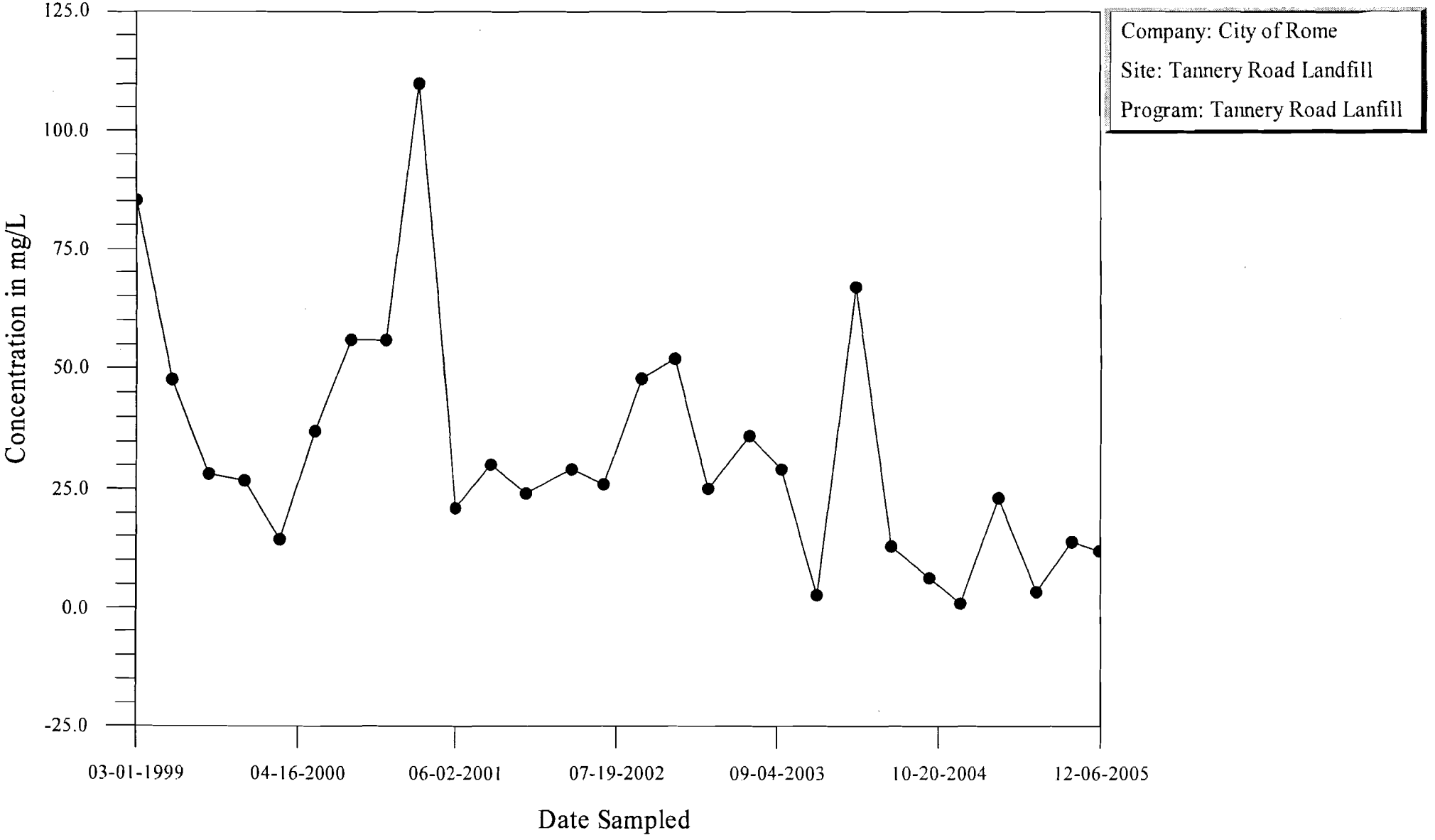
Time-Series Plot

Chloride, MW-9S



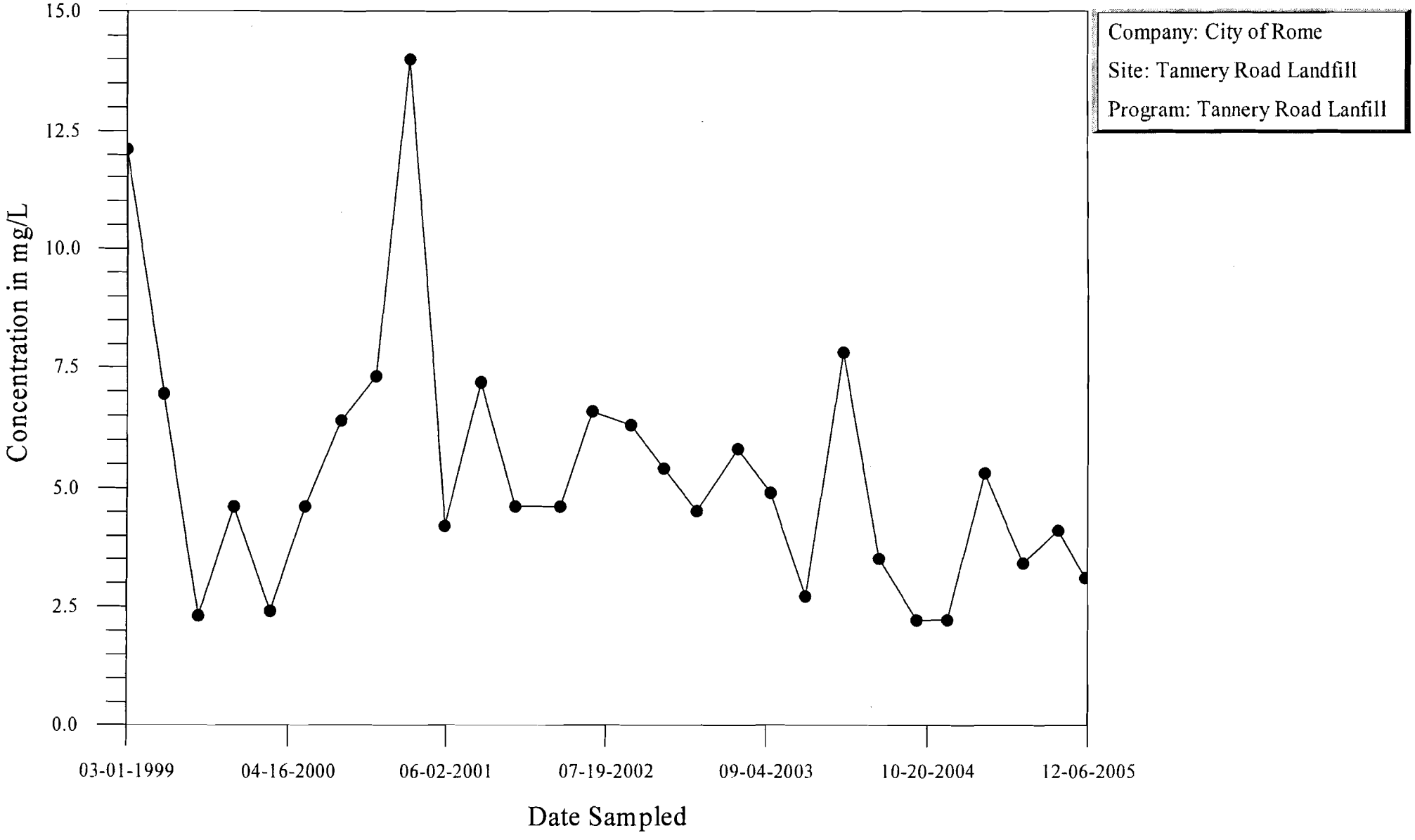
Time-Series Plot

Iron, MW-9S



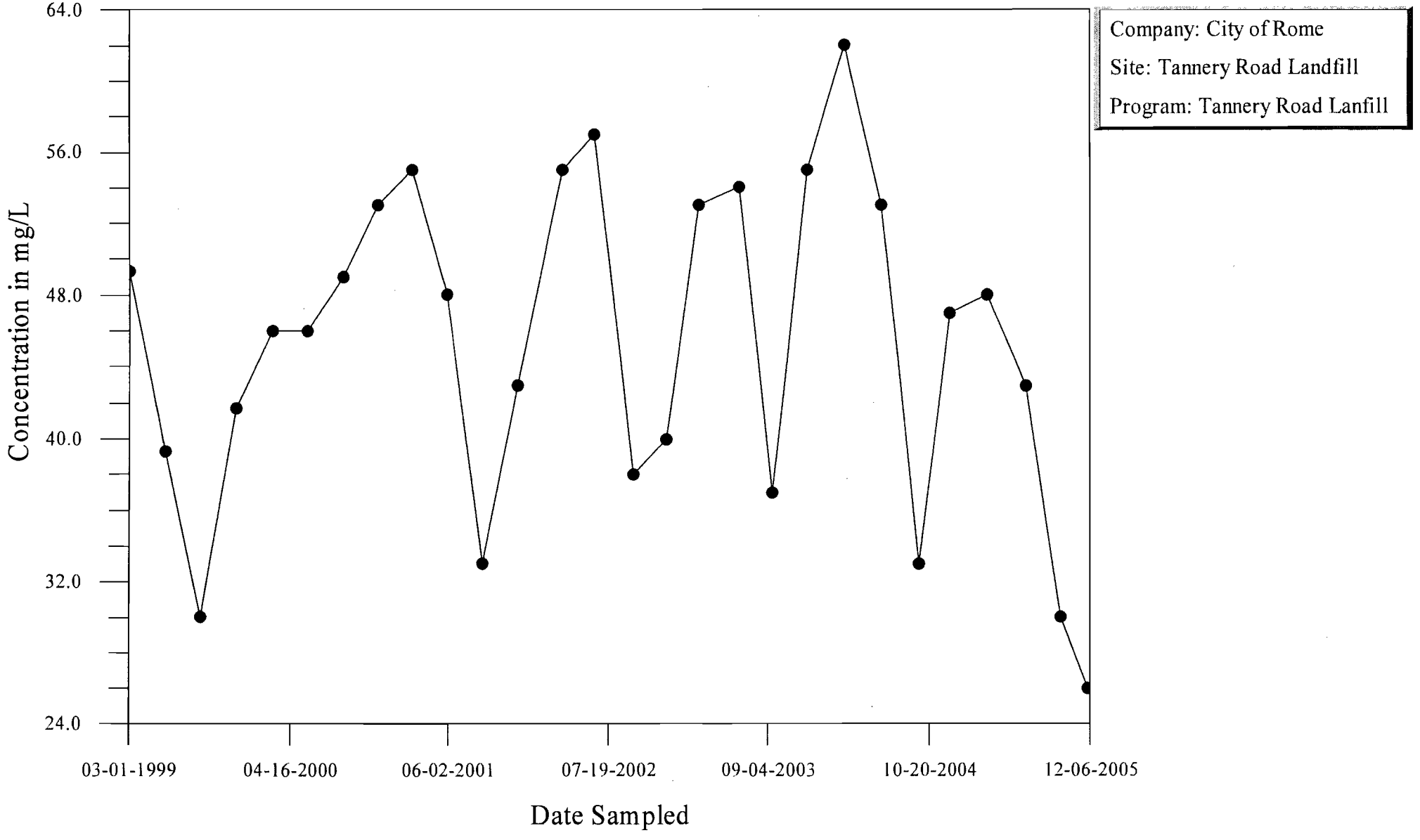
Time-Series Plot

Potassium, MW-9S



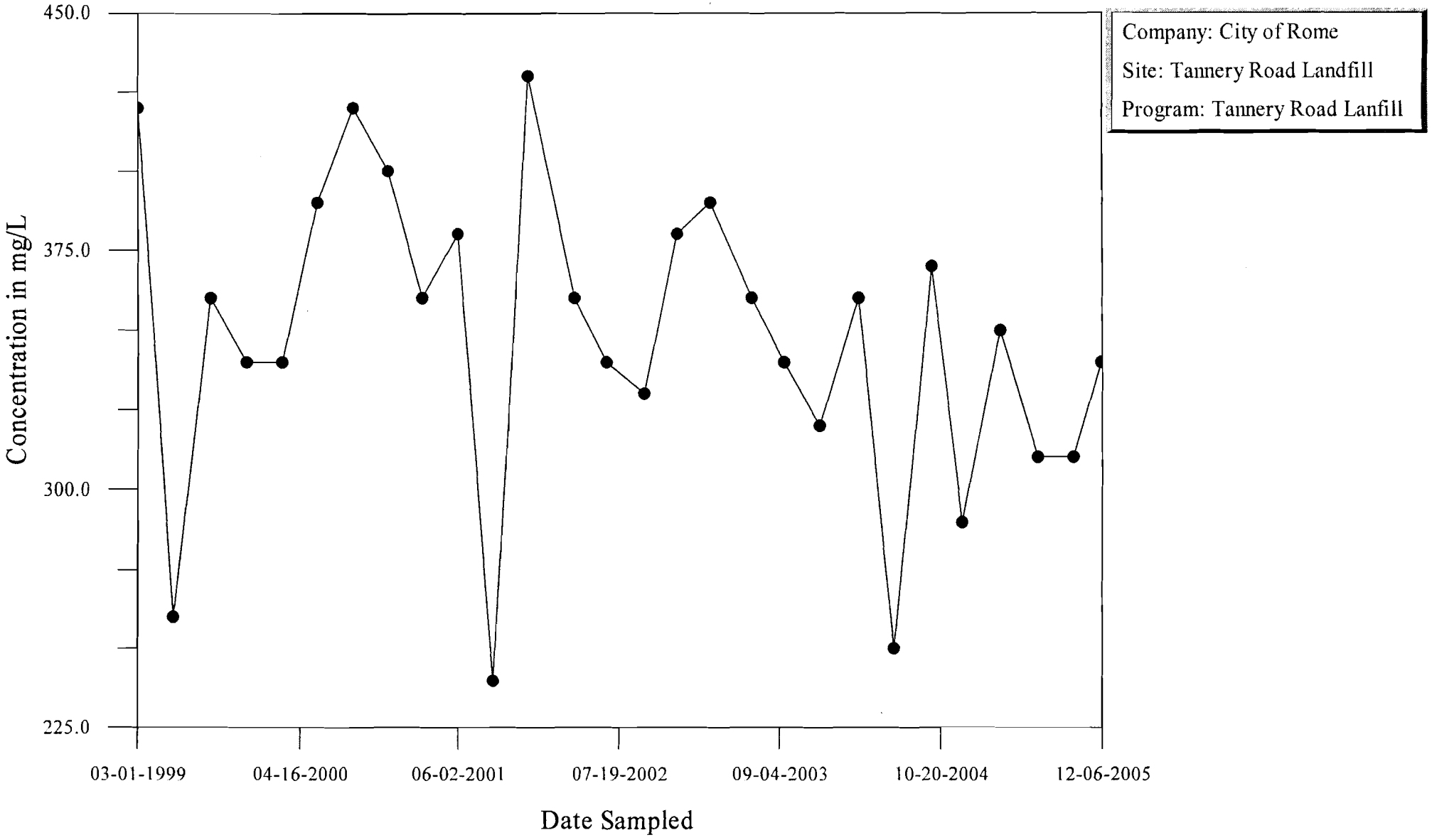
Time-Series Plot

Sodium, MW-9S



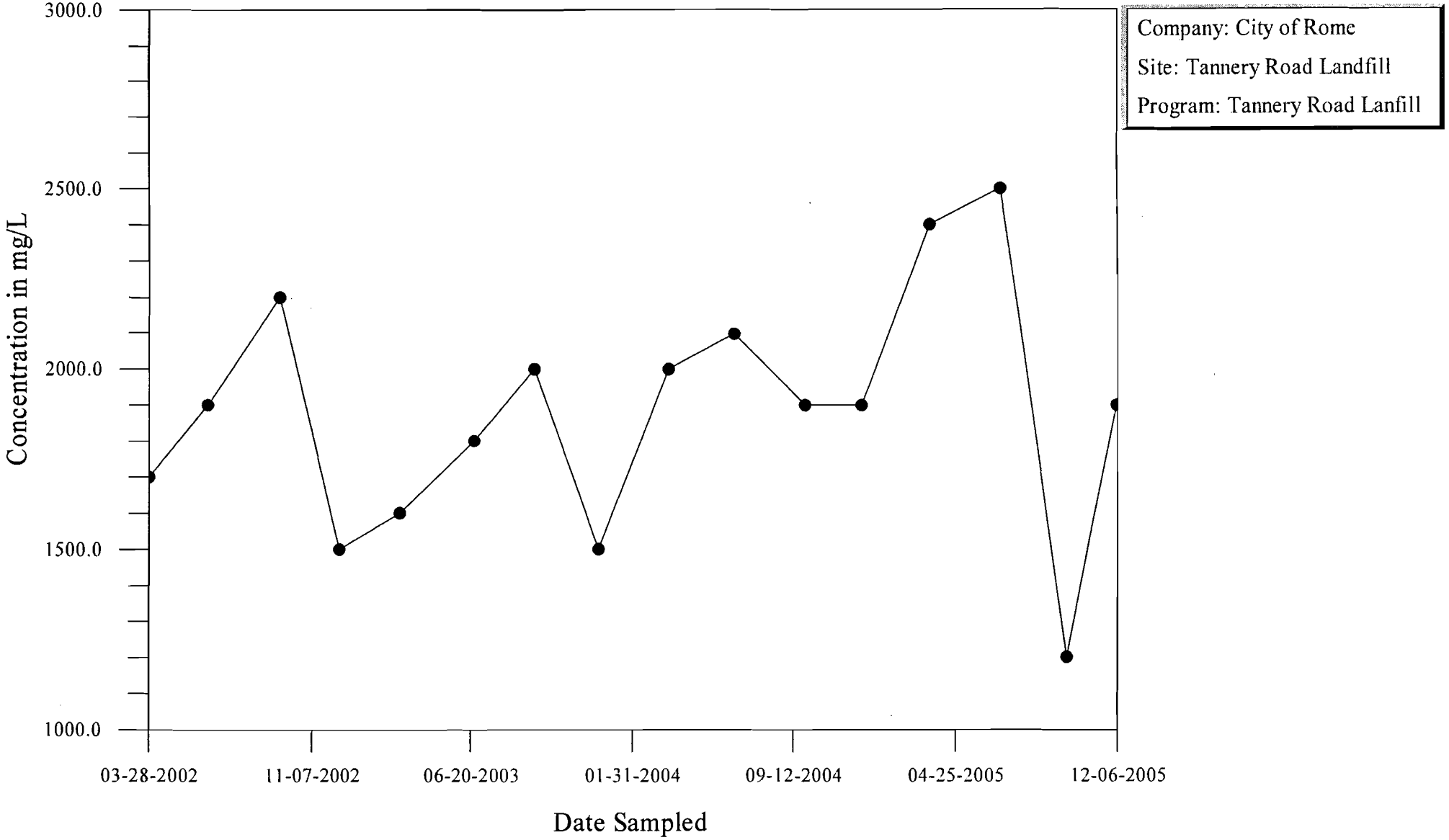
Time-Series Plot

Total Dissolved Solids, MW-9S



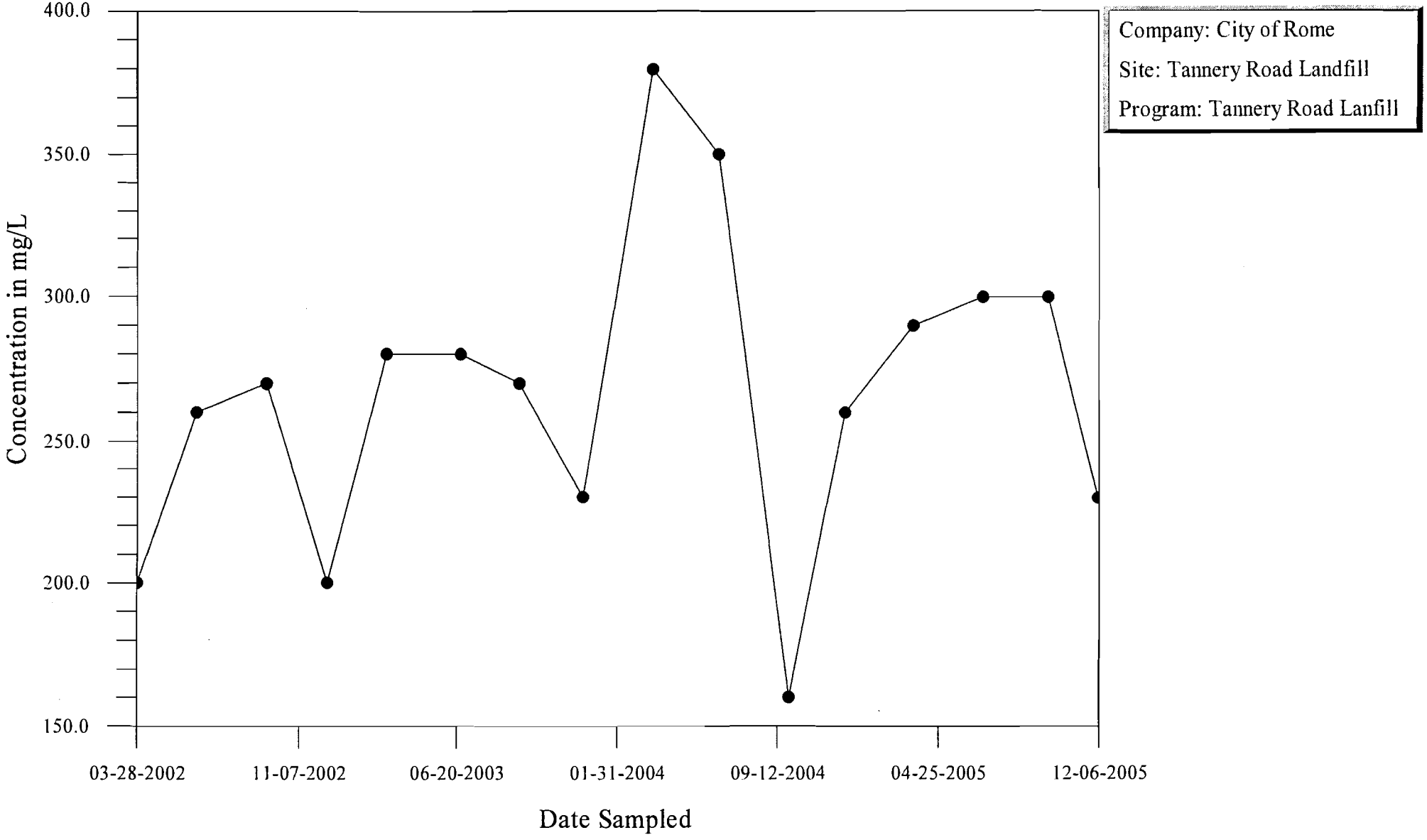
Time-Series Plot

Total Alkalinity, LMW-10



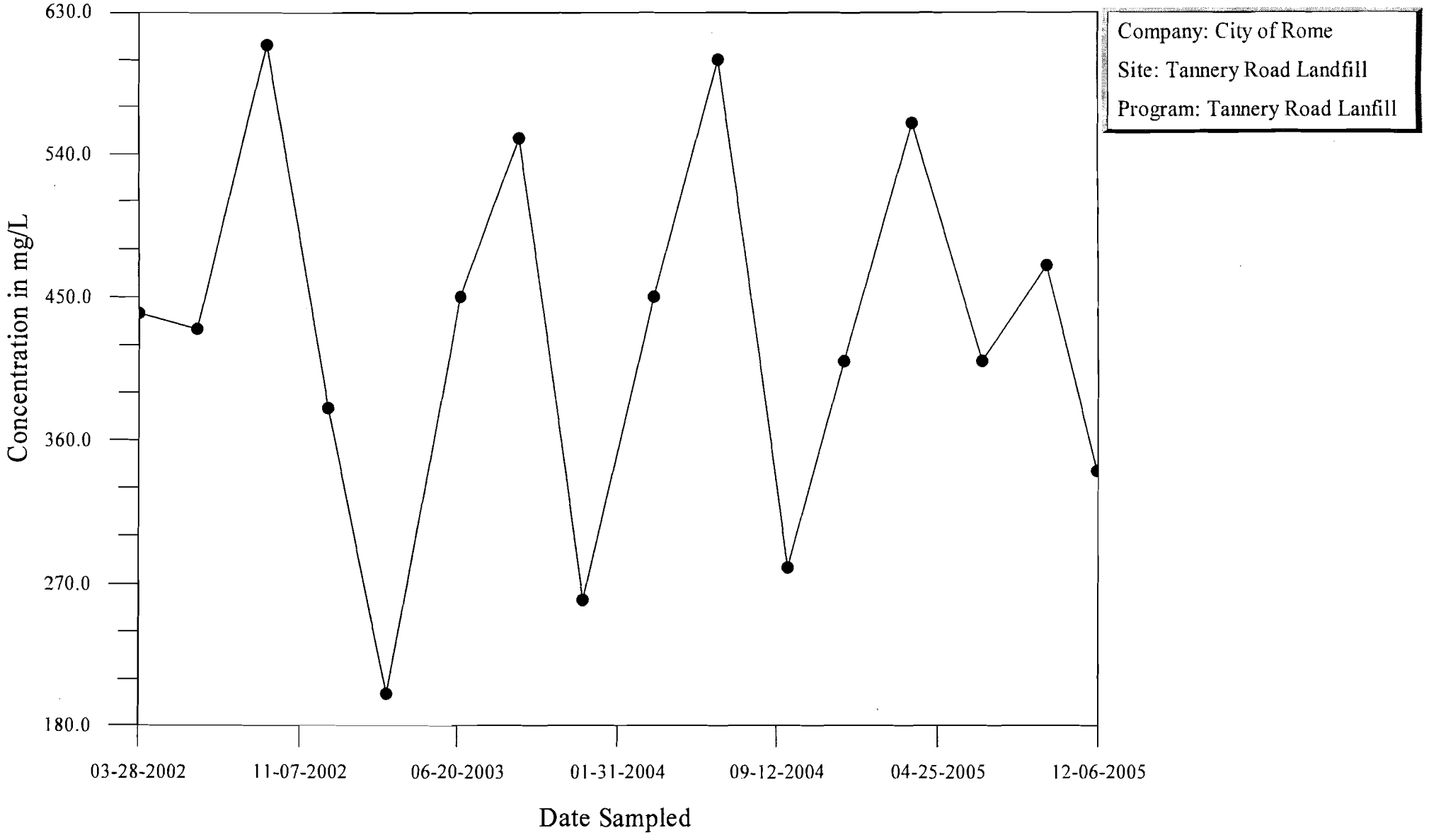
Time-Series Plot

Ammonia-Nitrogen, LMW-10



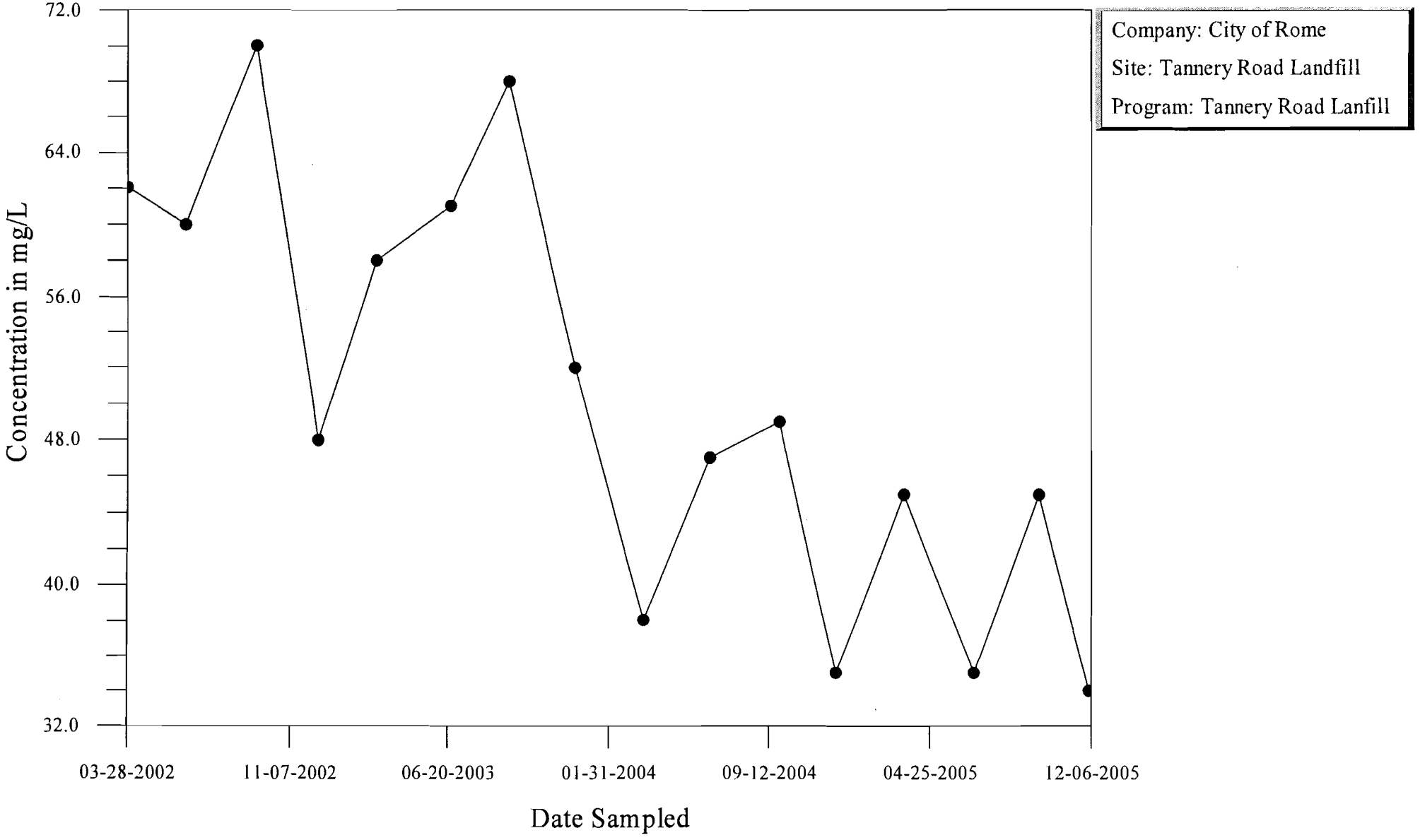
Time-Series Plot

Chloride, LMW-10



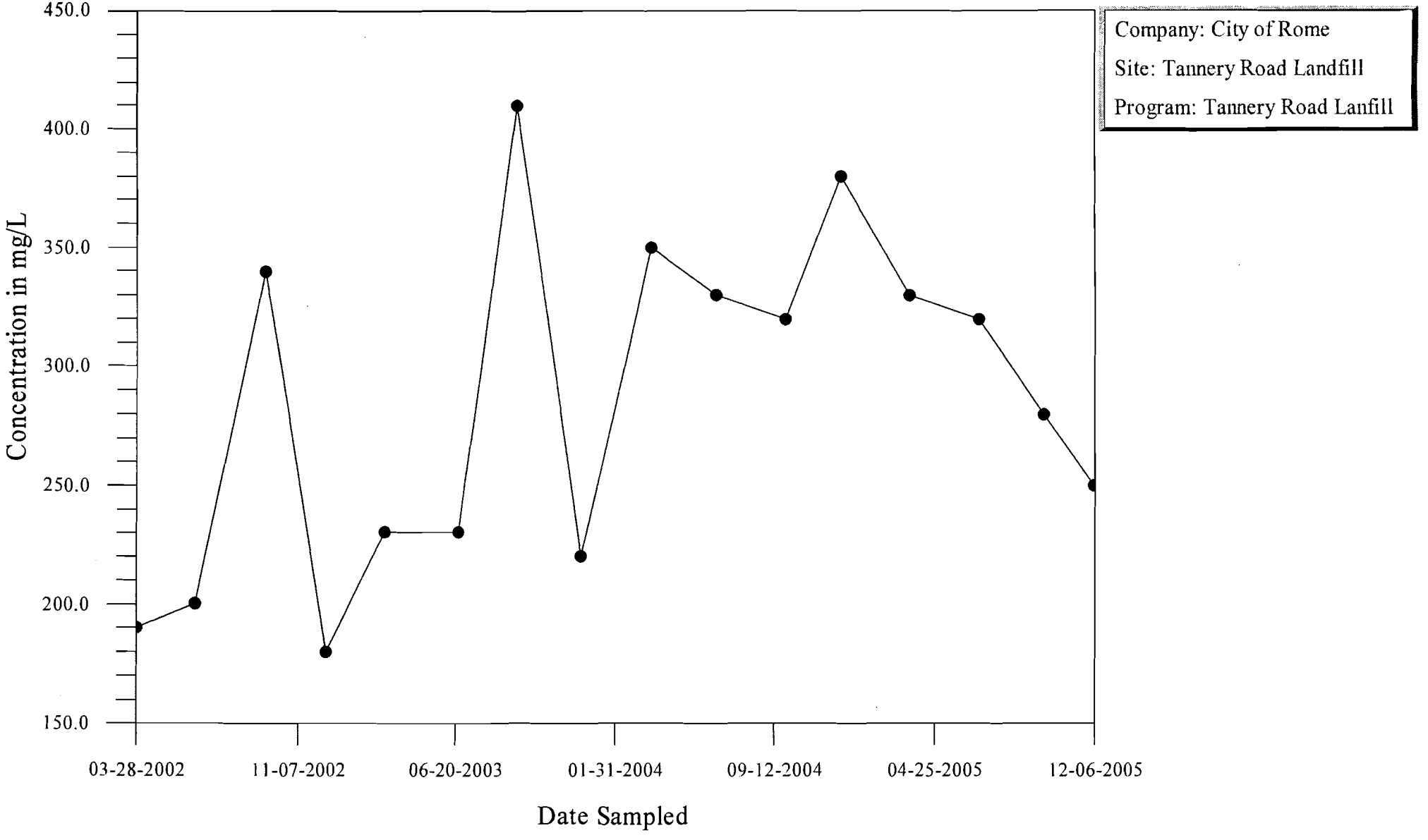
Time-Series Plot

Iron, LMW-10



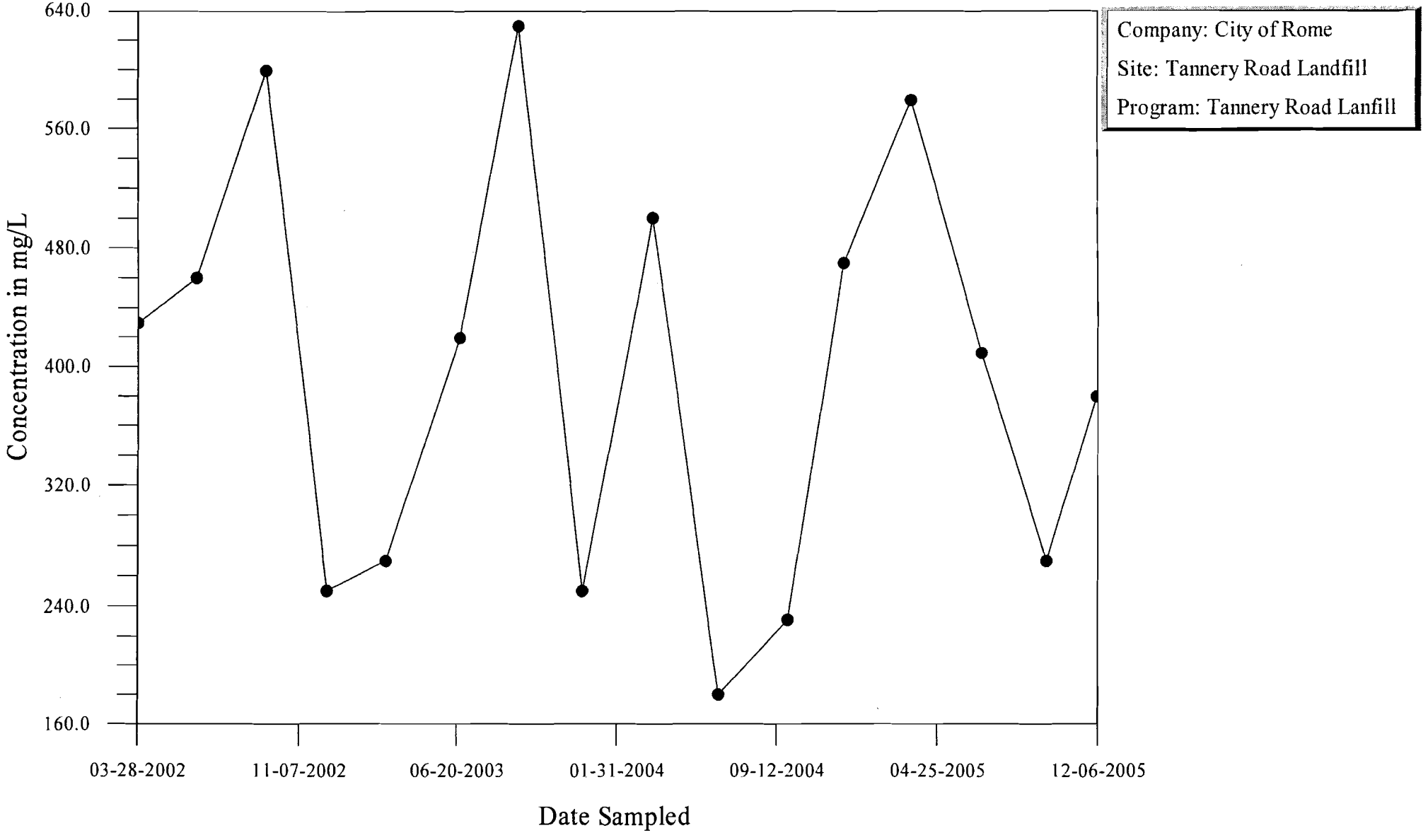
Time-Series Plot

Potassium, LMW-10



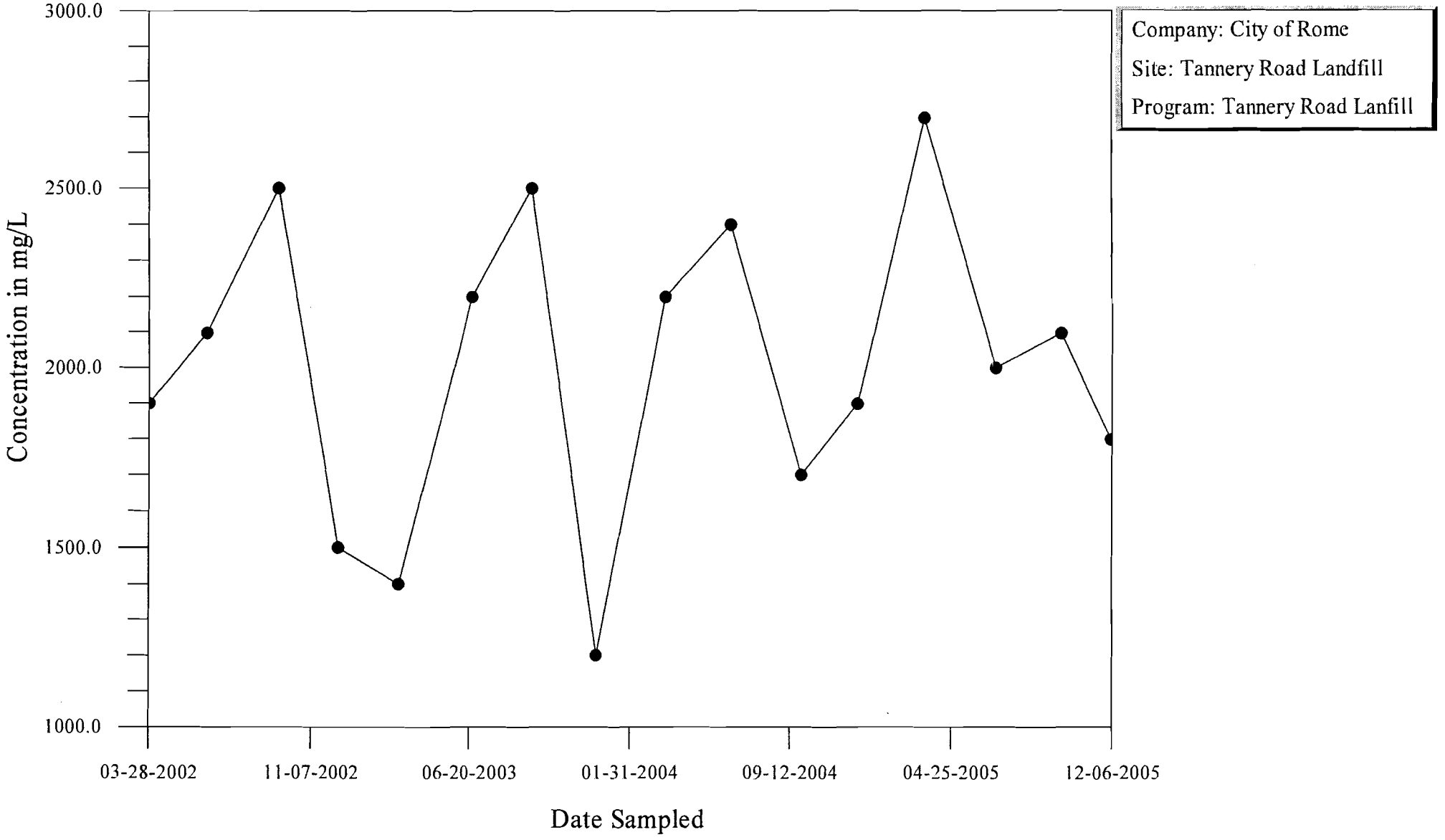
Time-Series Plot

Sodium, LMW-10



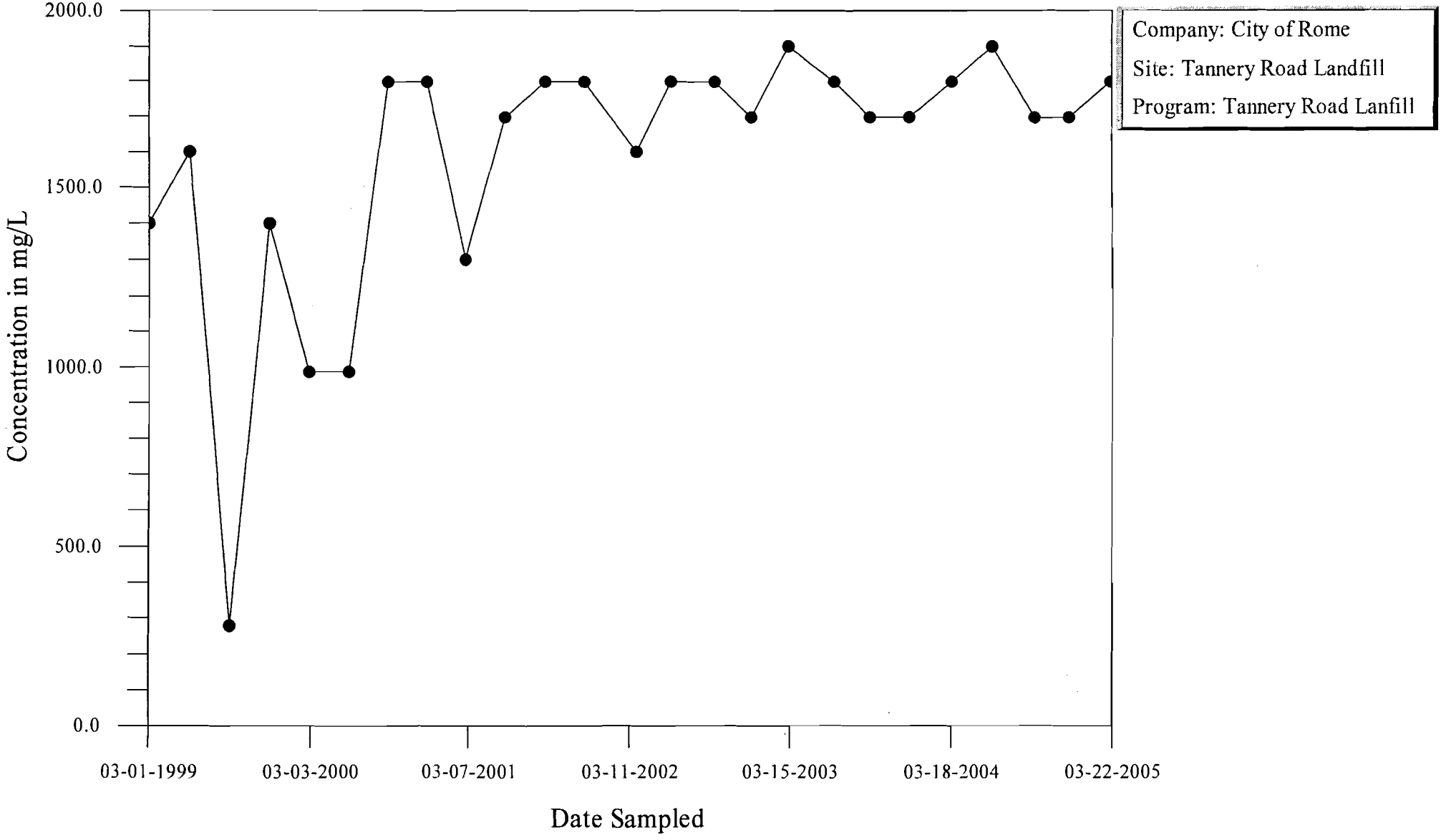
Time-Series Plot

Total Dissolved Solids, LMW-10



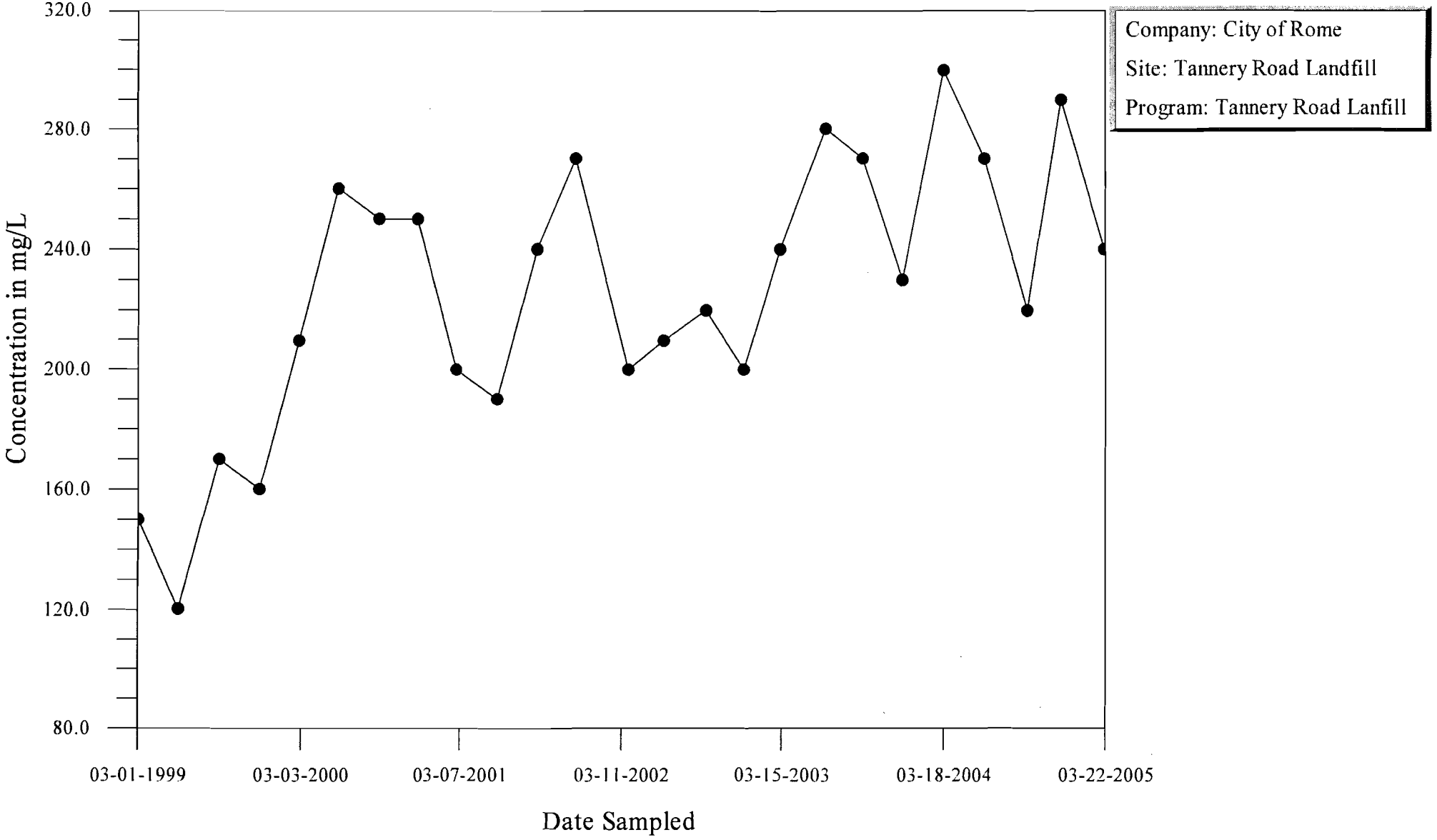
Time-Series Plot

Total Alkalinity, LMW-12



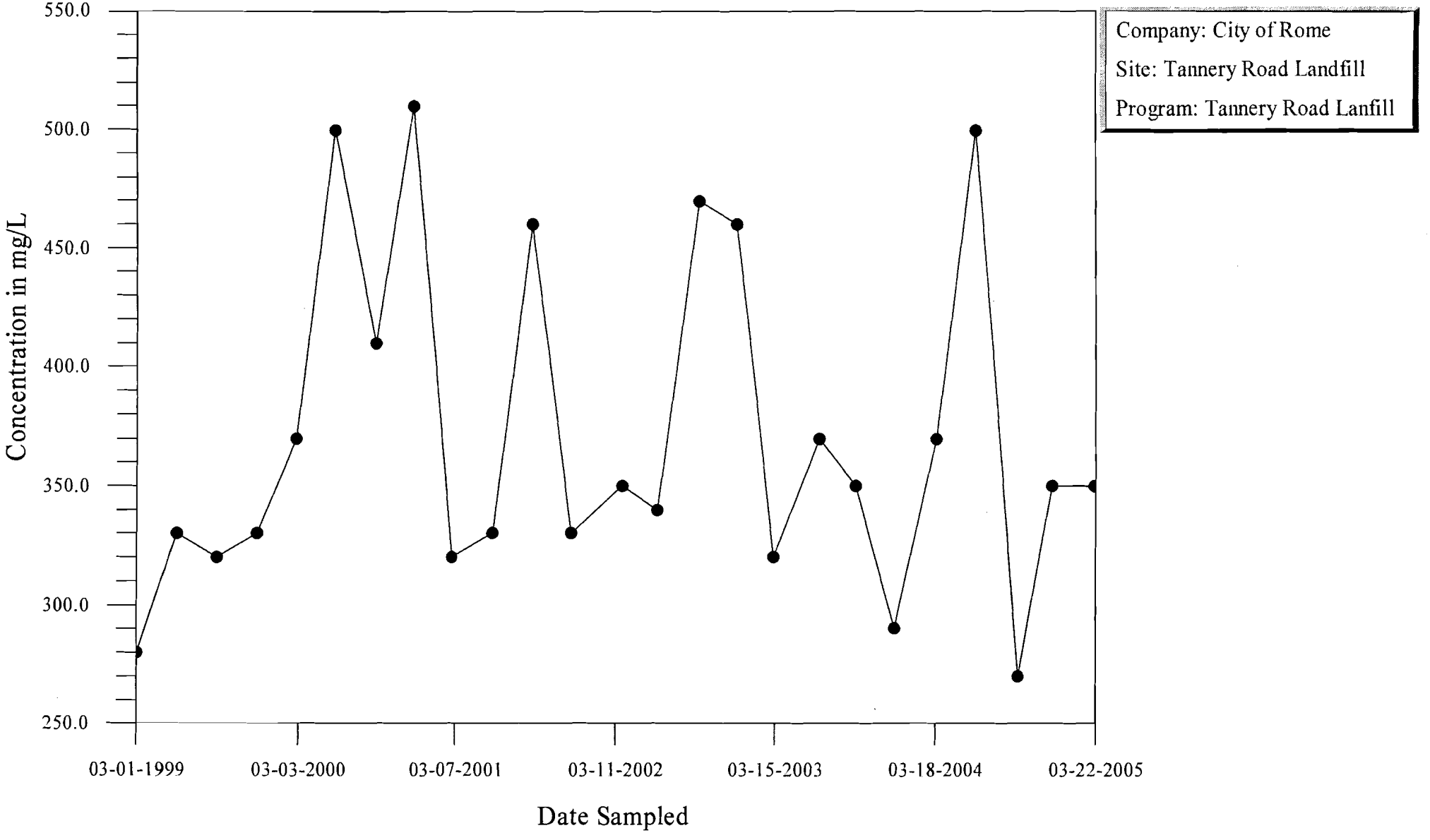
Time-Series Plot

Ammonia-Nitrogen, LMW-12



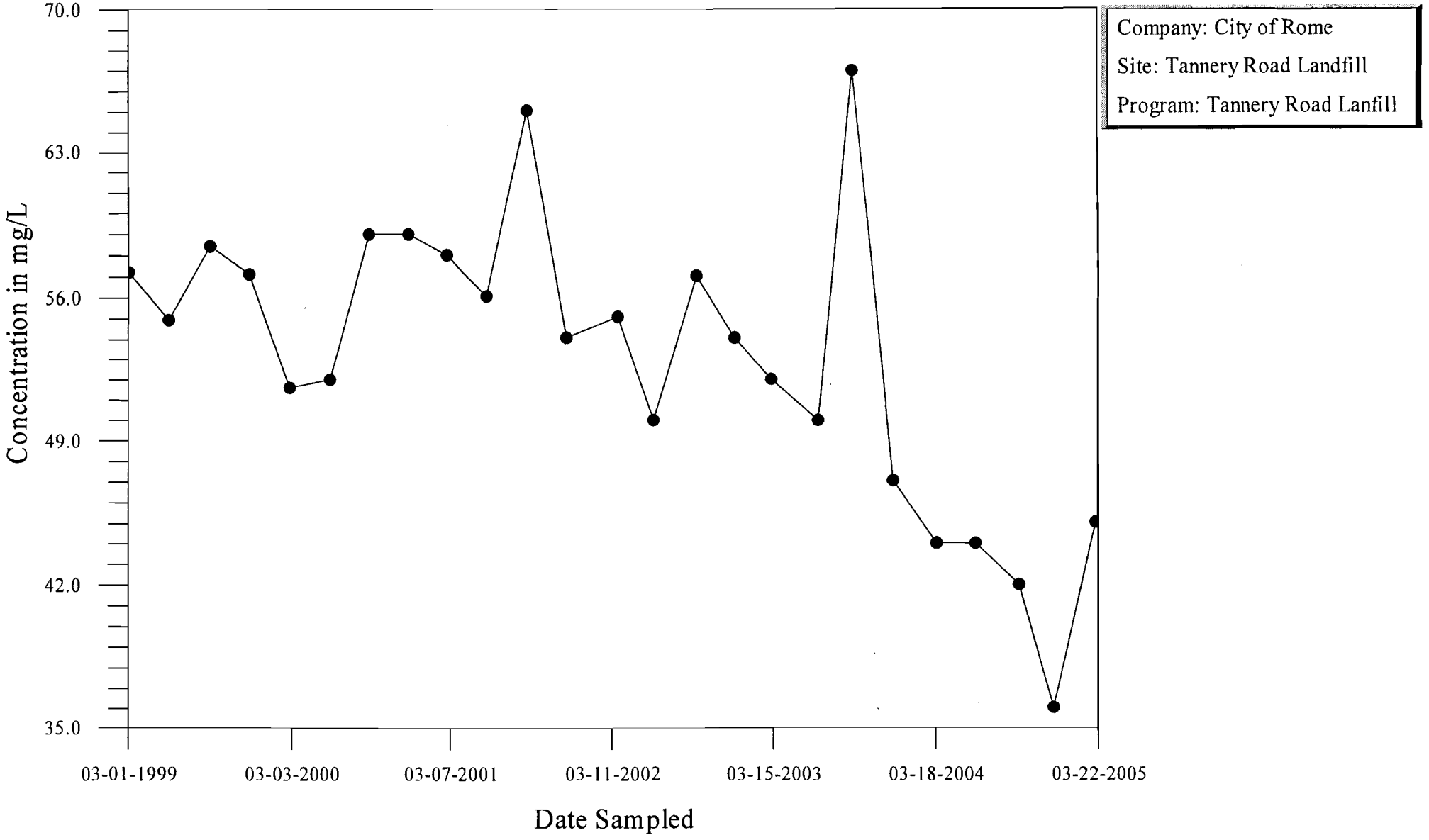
Time-Series Plot

Chloride, LMW-12



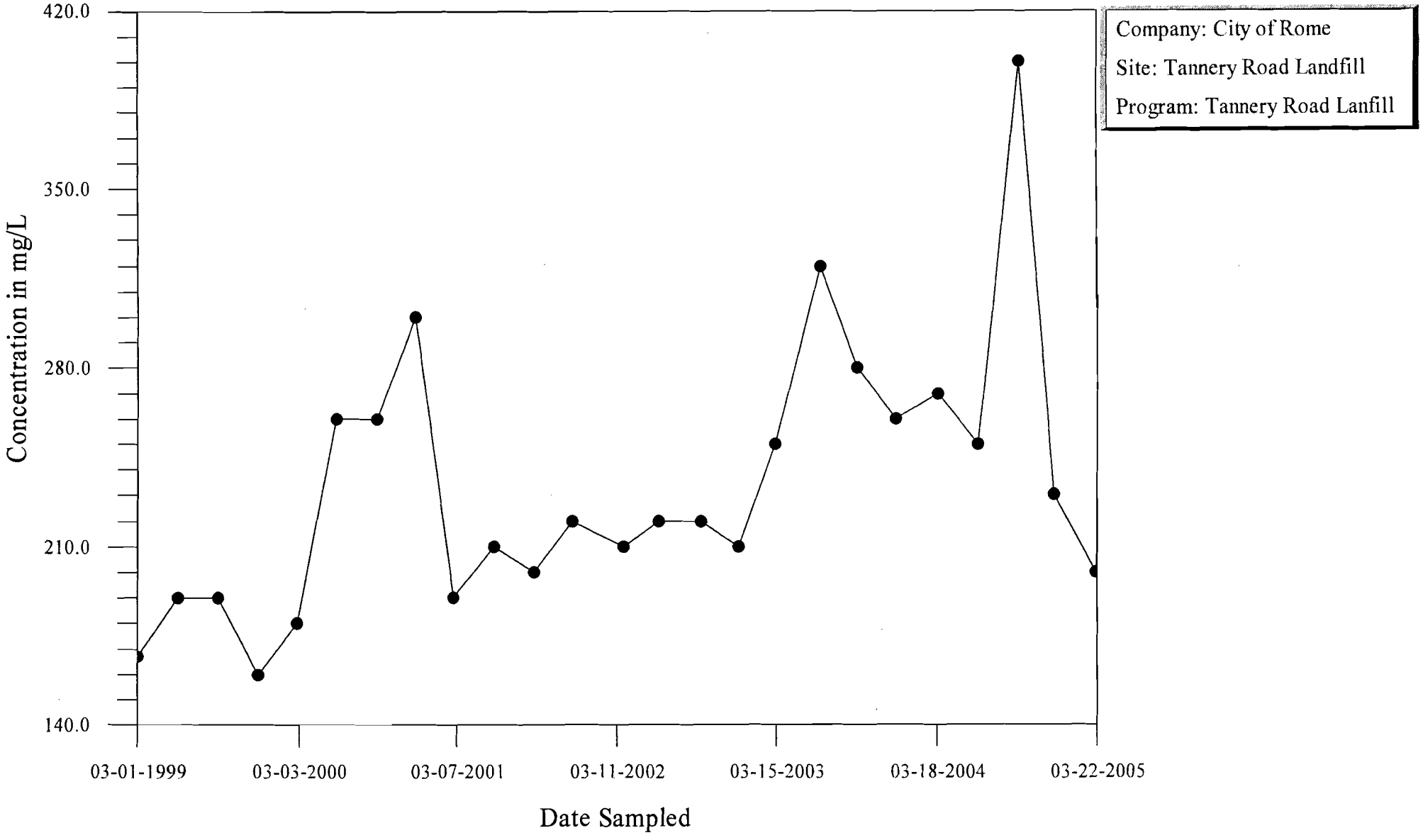
Time-Series Plot

Iron, LMW-12



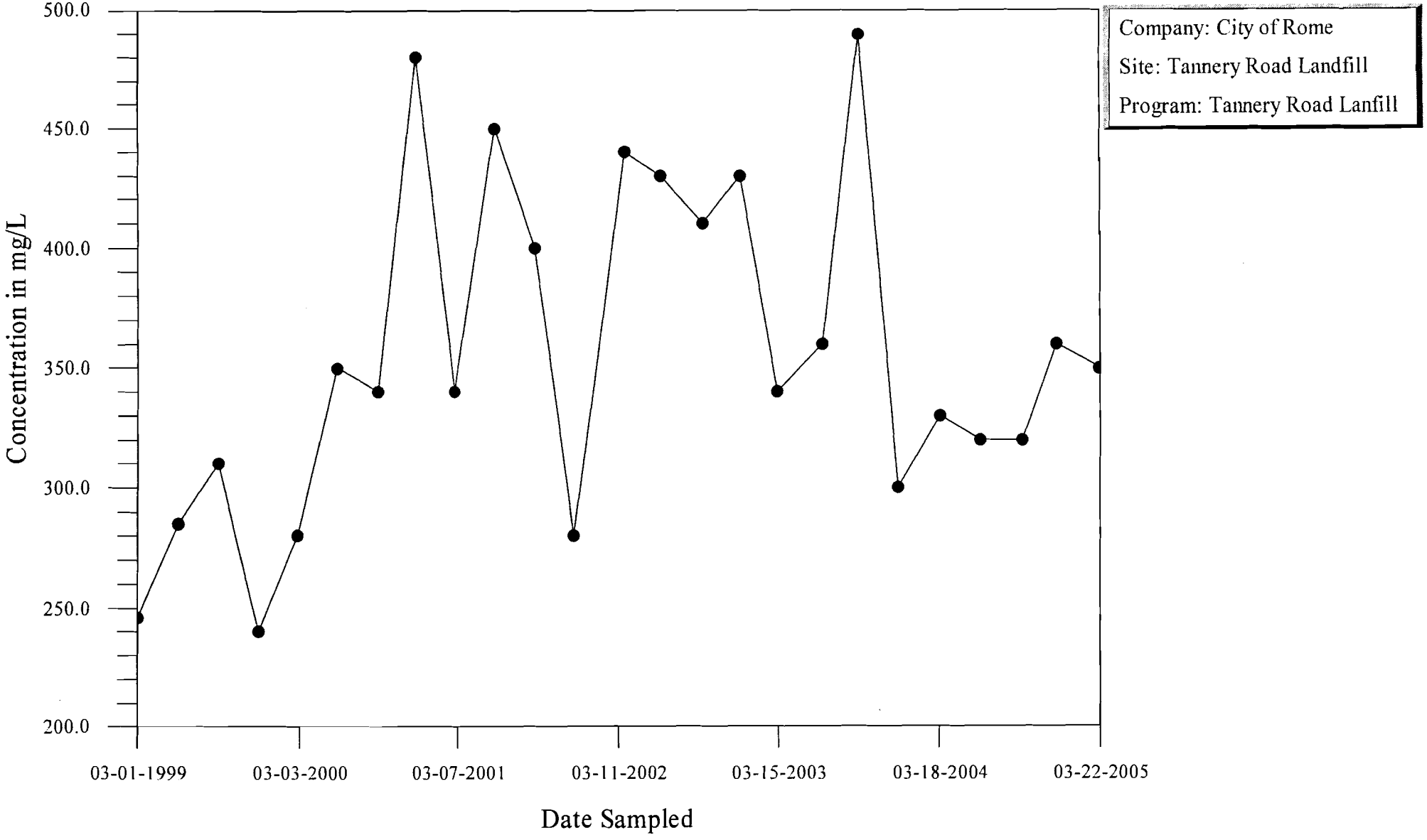
Time-Series Plot

Potassium, LMW-12



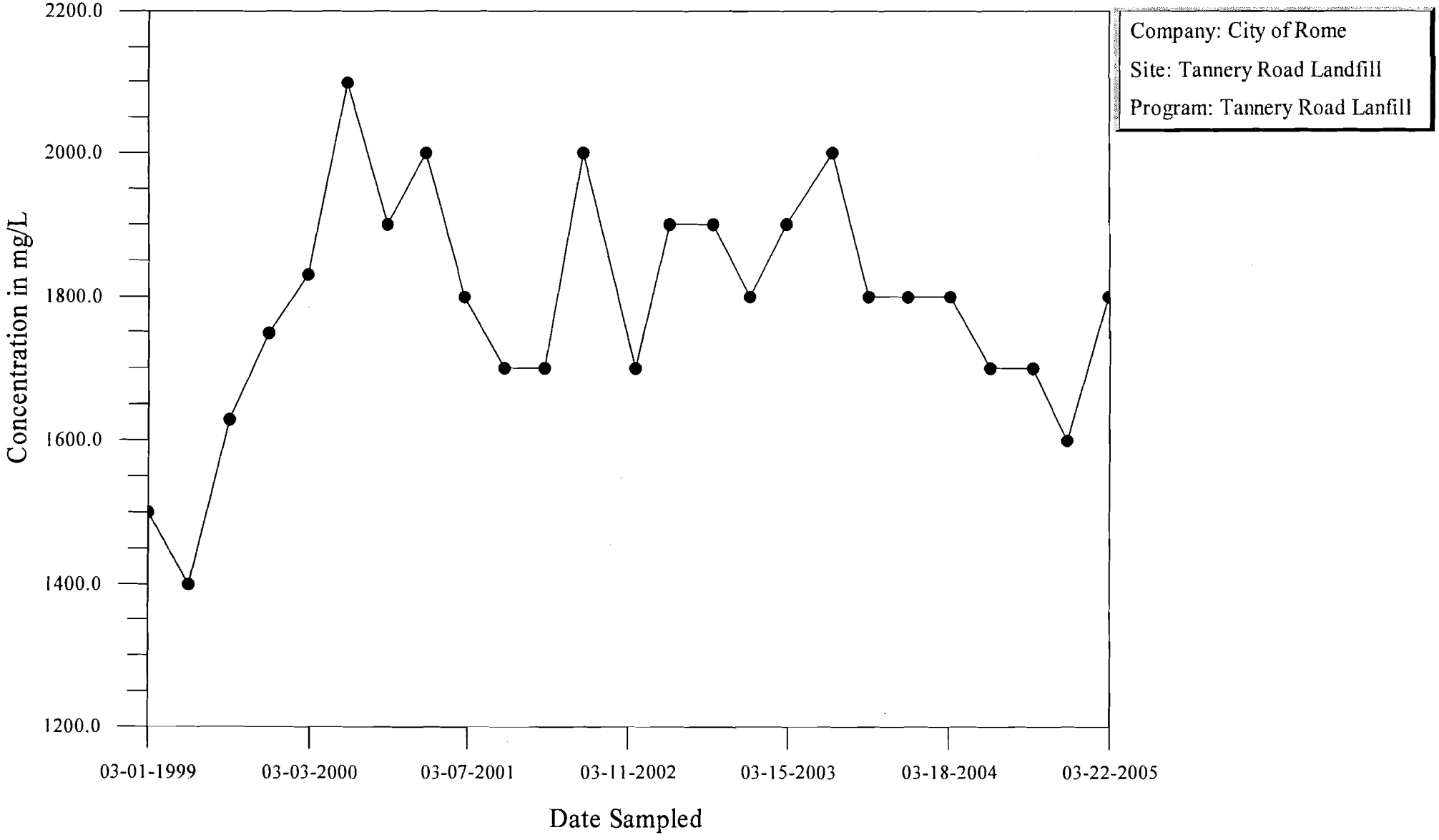
Time-Series Plot

Sodium, LMW-12



Time-Series Plot

Total Dissolved Solids, LMW-12

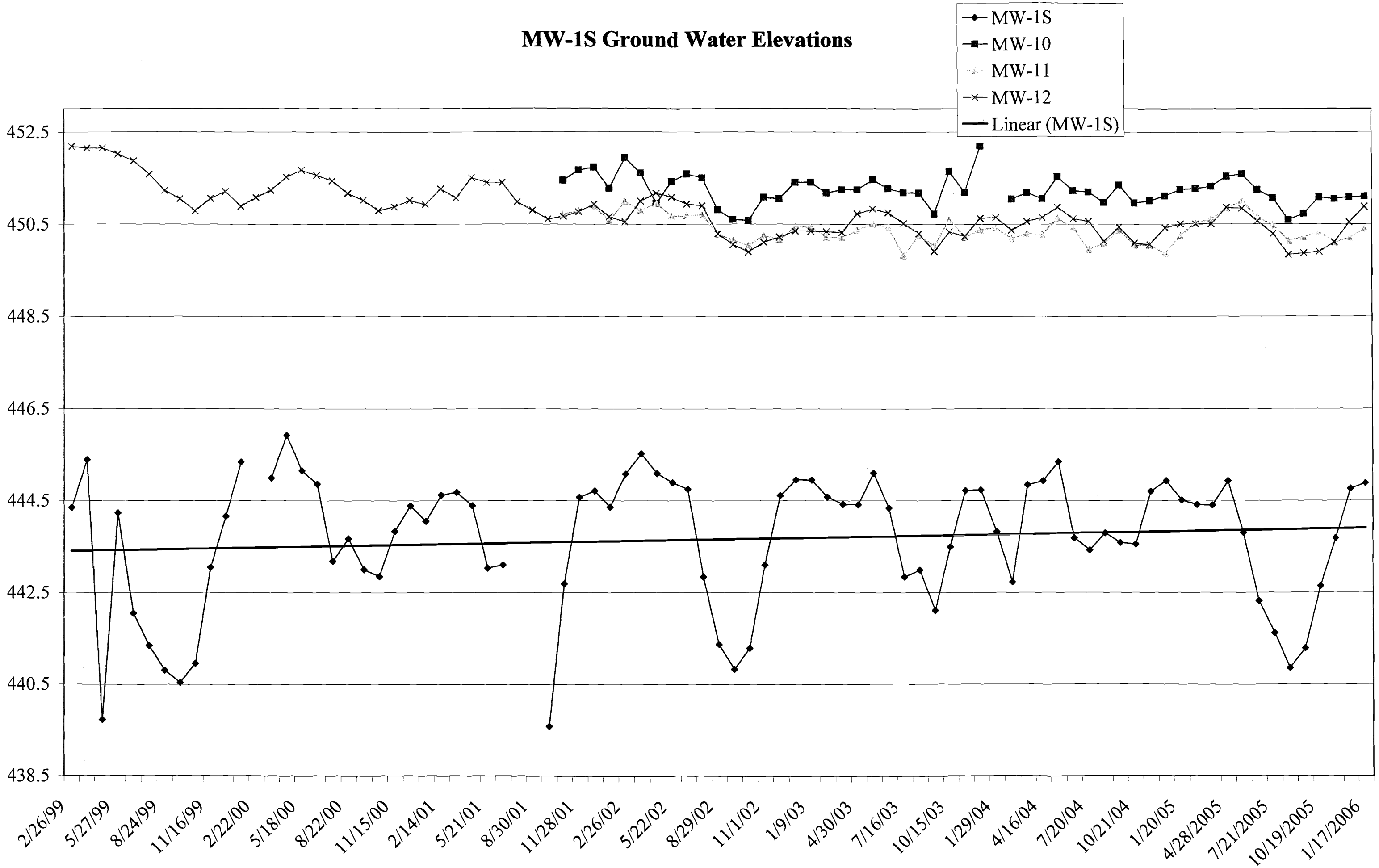


APPENDIX C

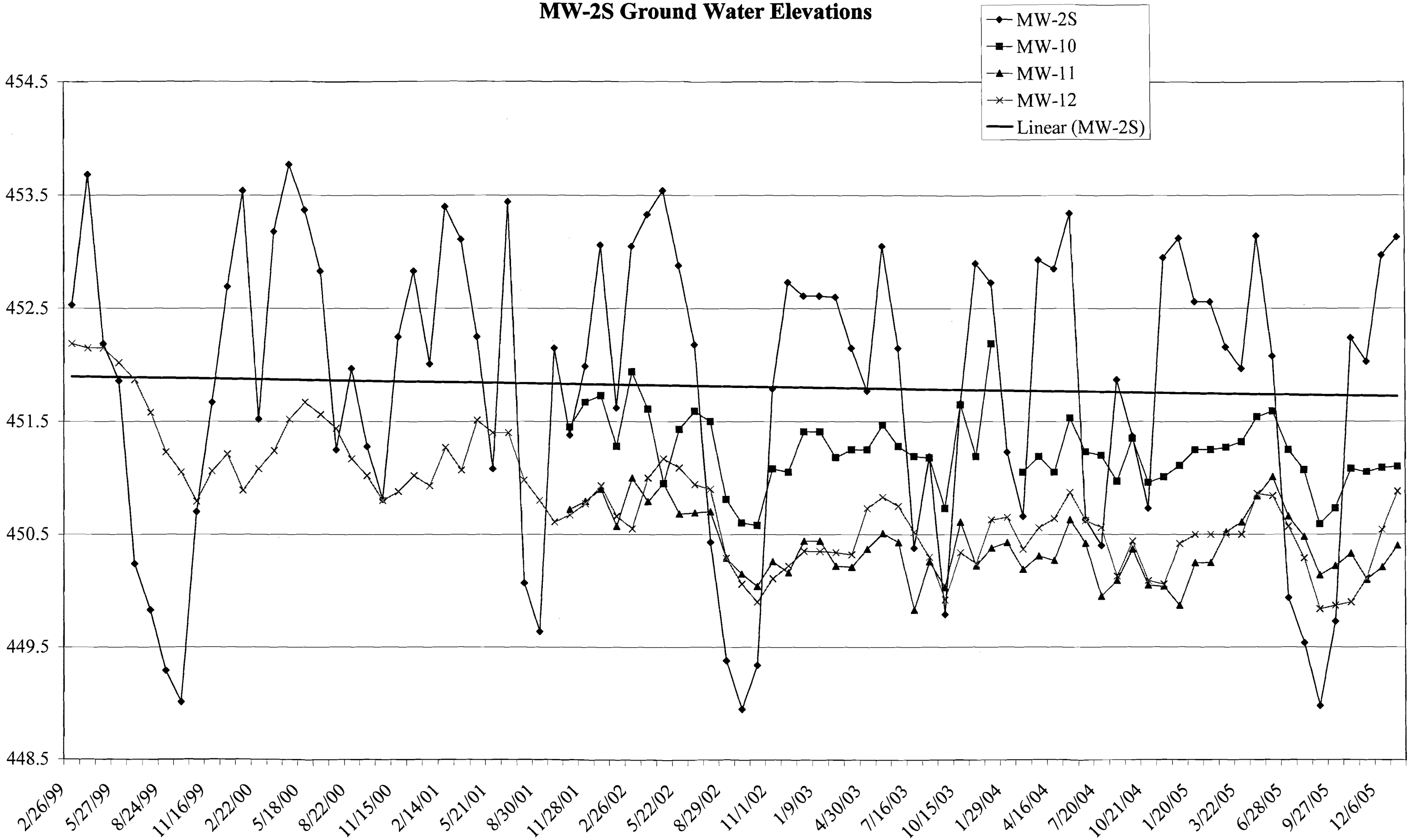
MONITORING WELL AND LEACHATE WELL

GROUND WATER ELEVATION DATA

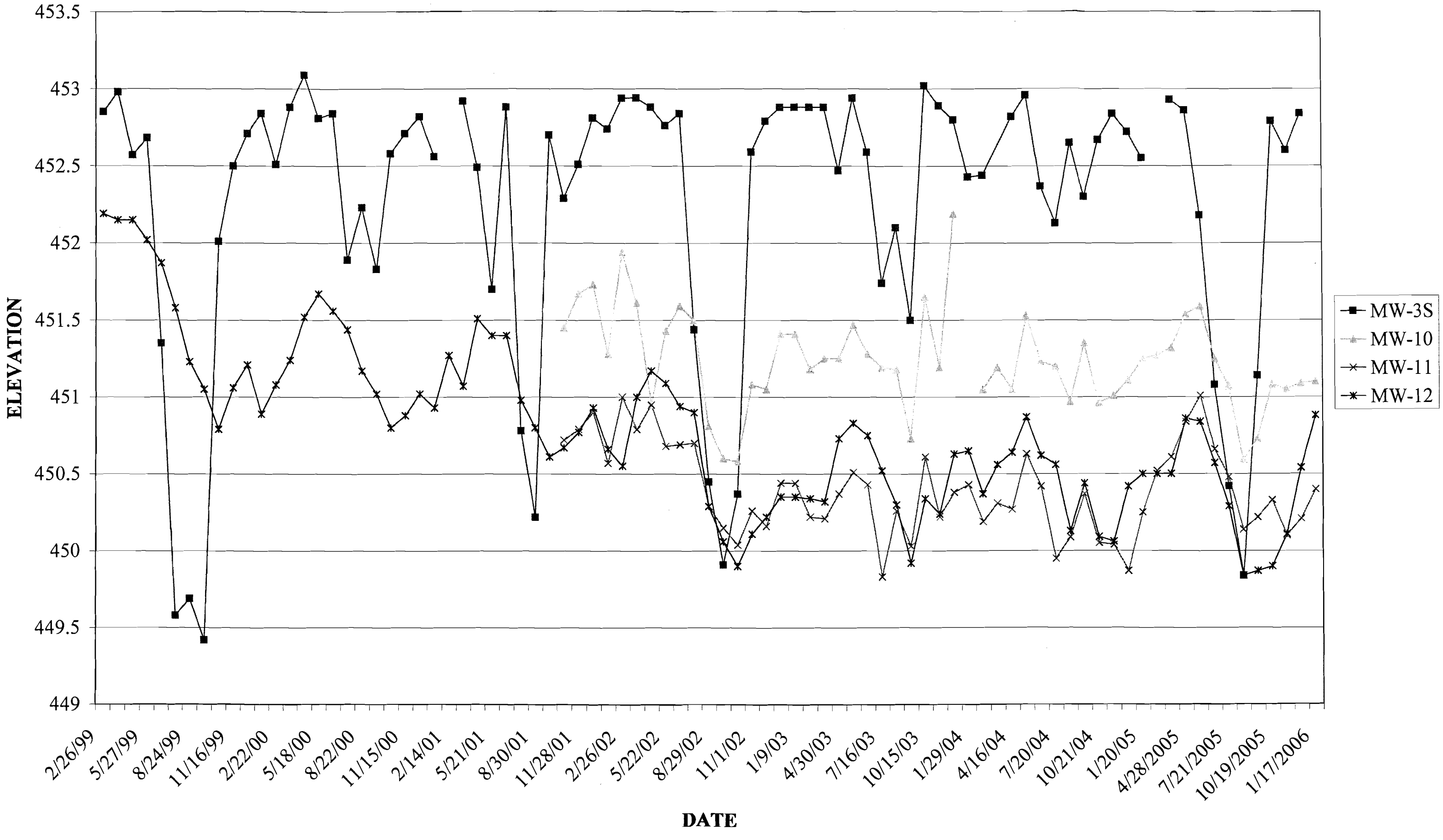
MW-1S Ground Water Elevations



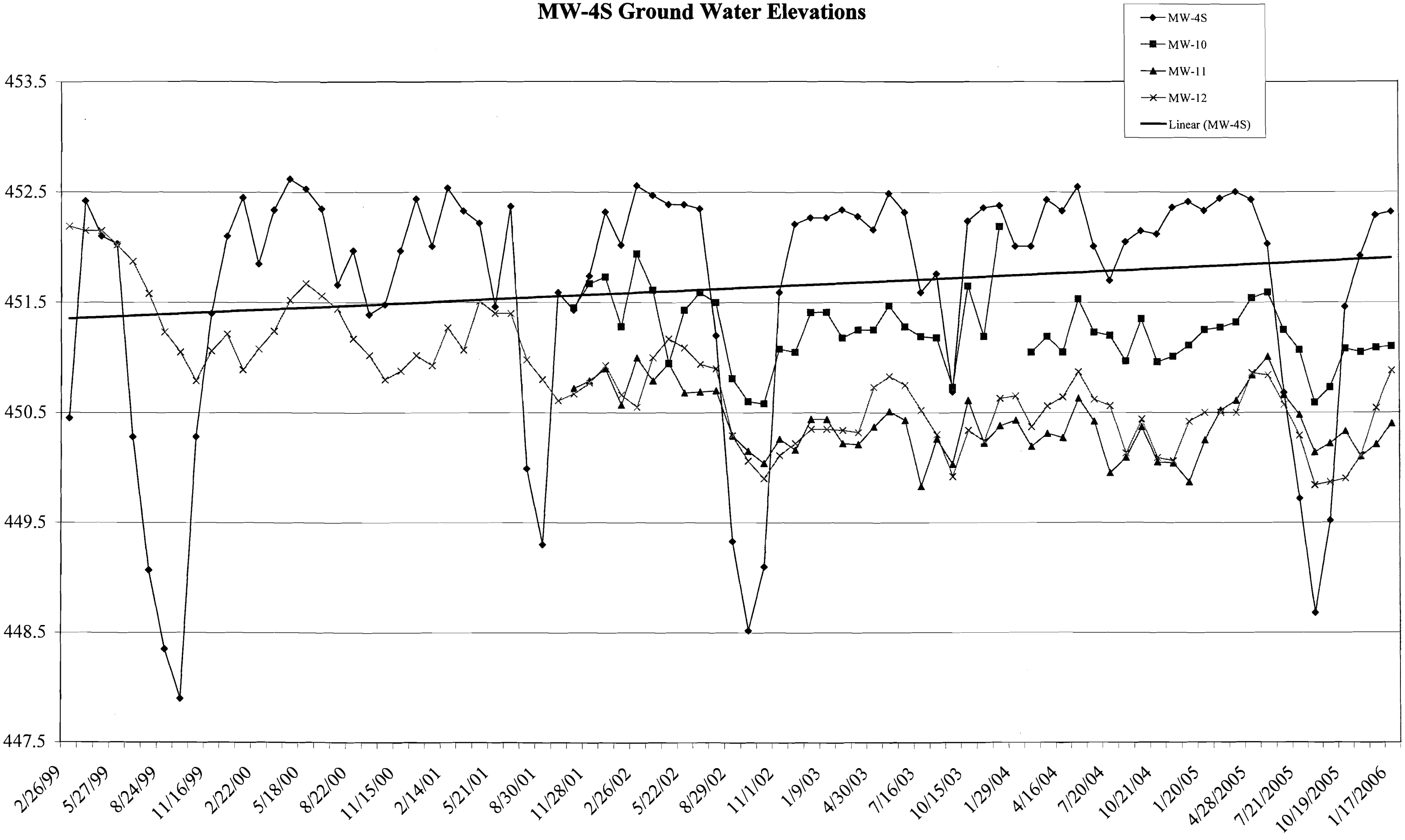
MW-2S Ground Water Elevations



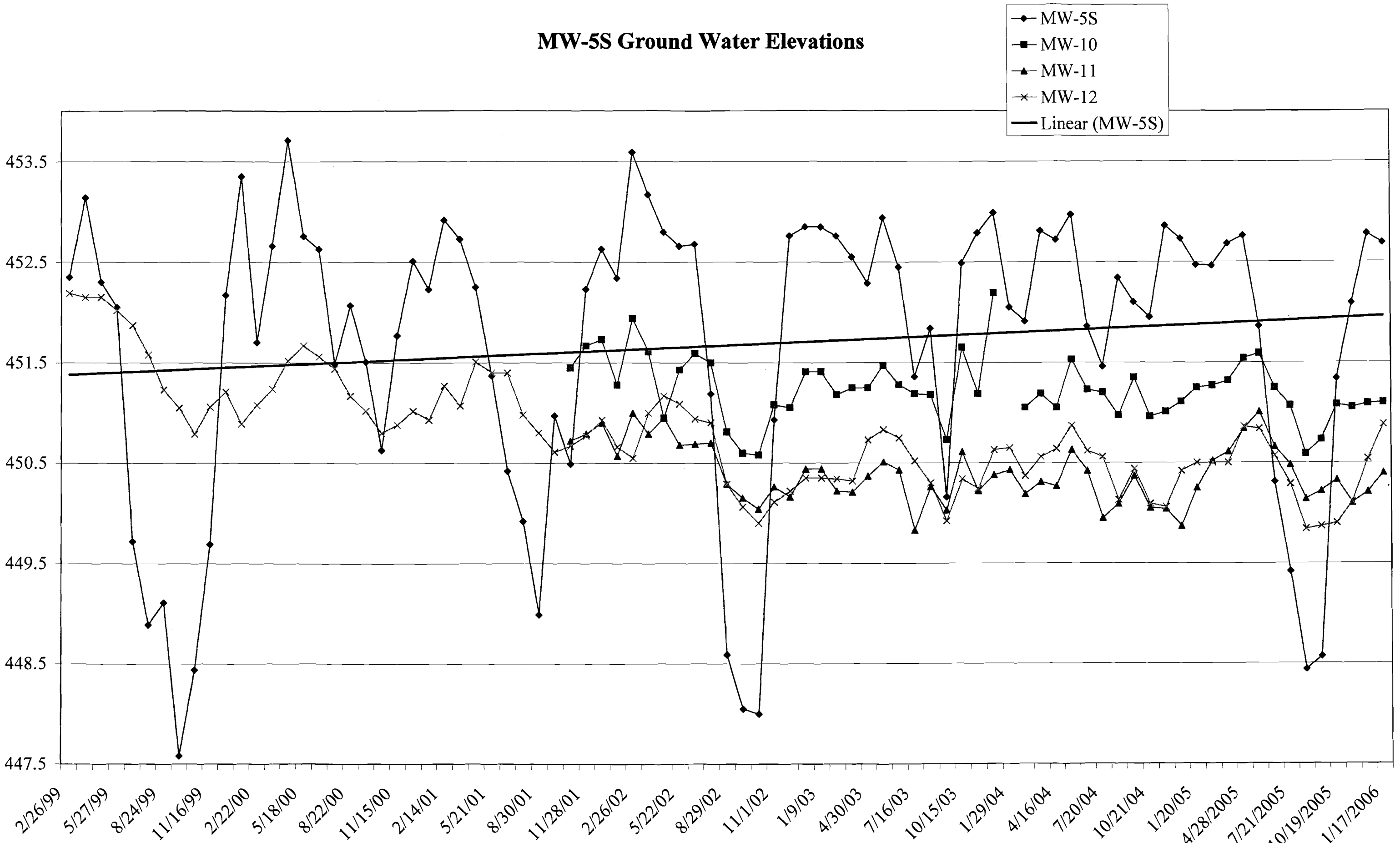
MW-3S Ground Water Elevations



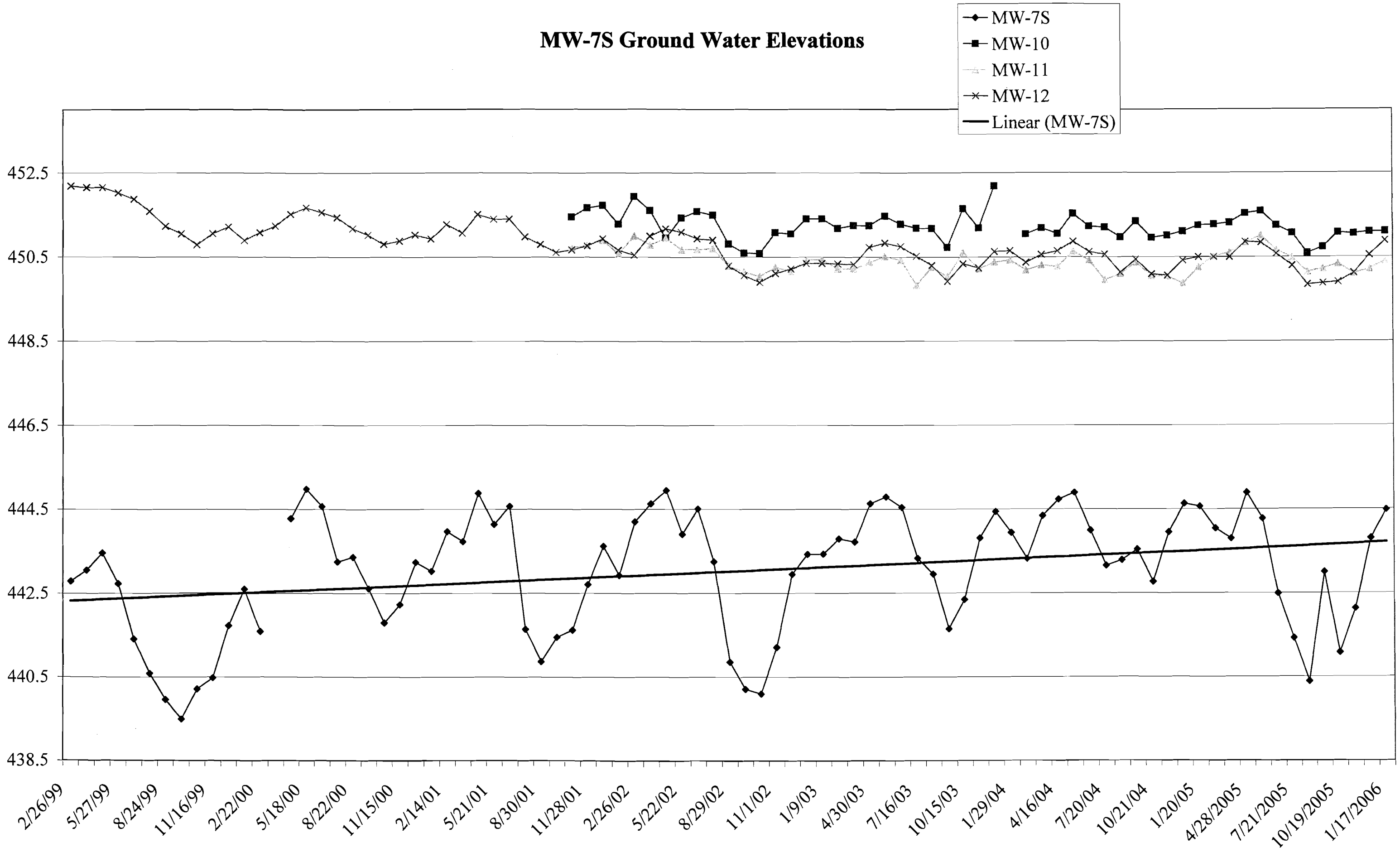
MW-4S Ground Water Elevations



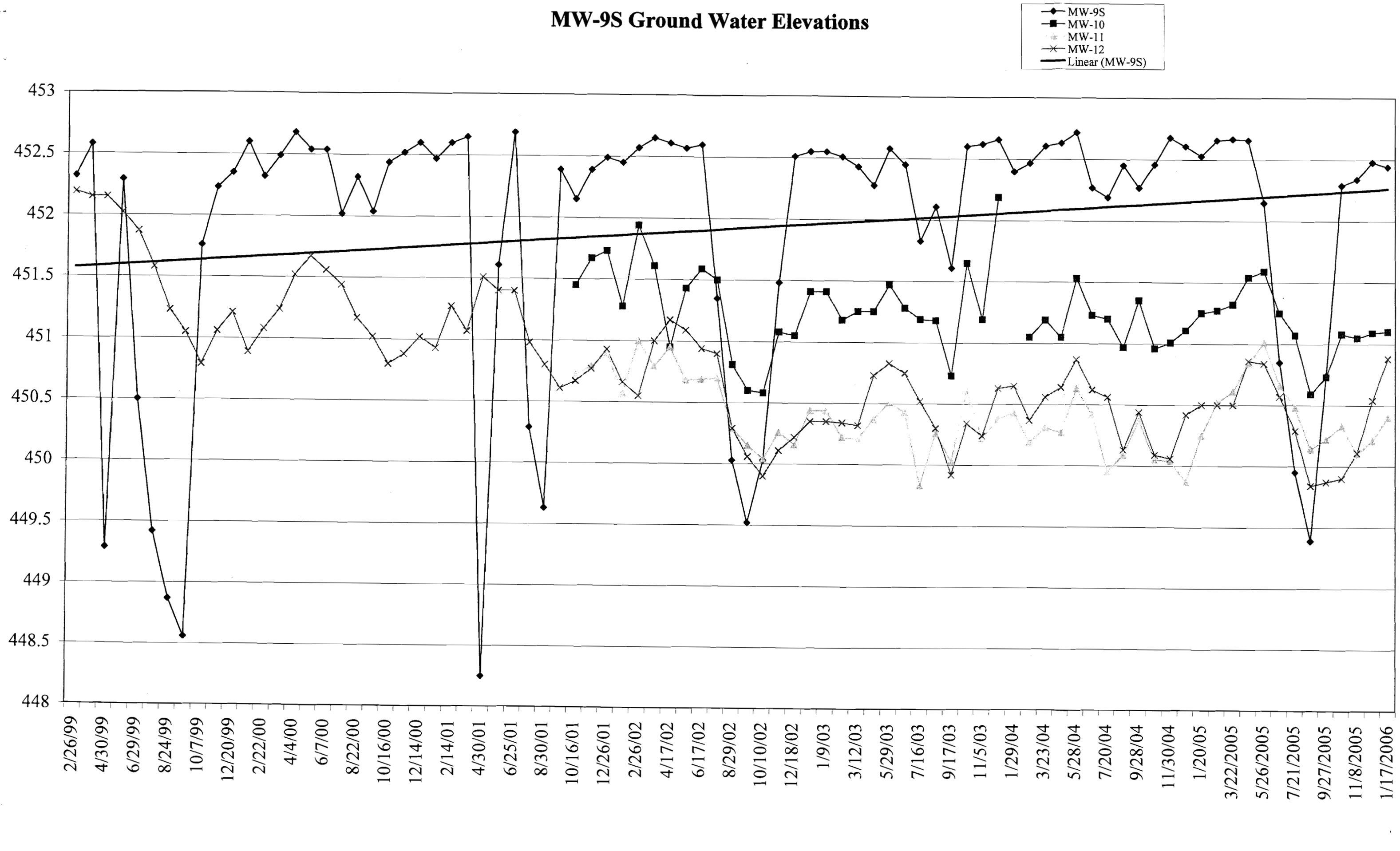
MW-5S Ground Water Elevations



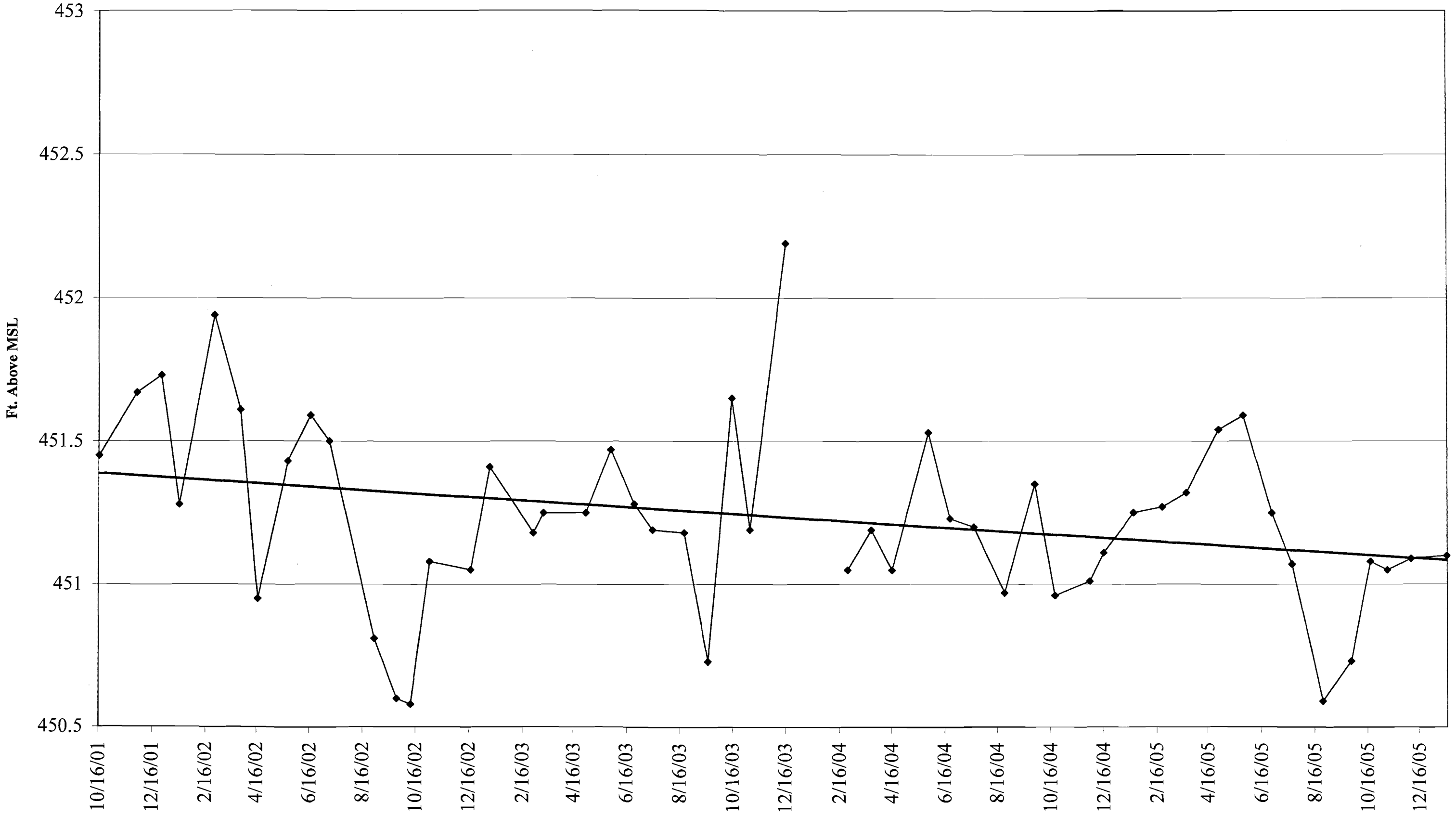
MW-7S Ground Water Elevations



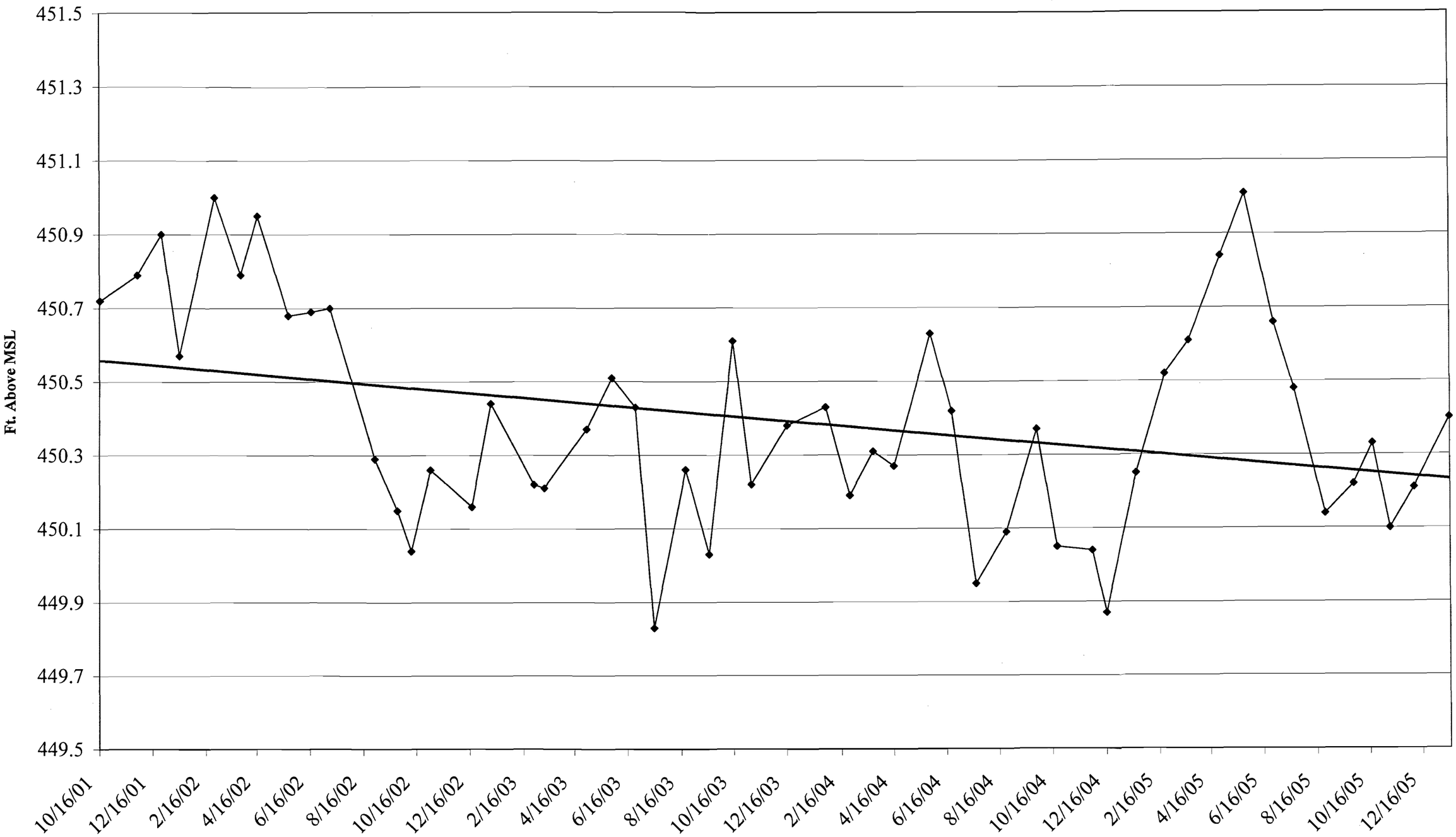
MW-9S Ground Water Elevations



Leachate Well MW-10 Water Elevations

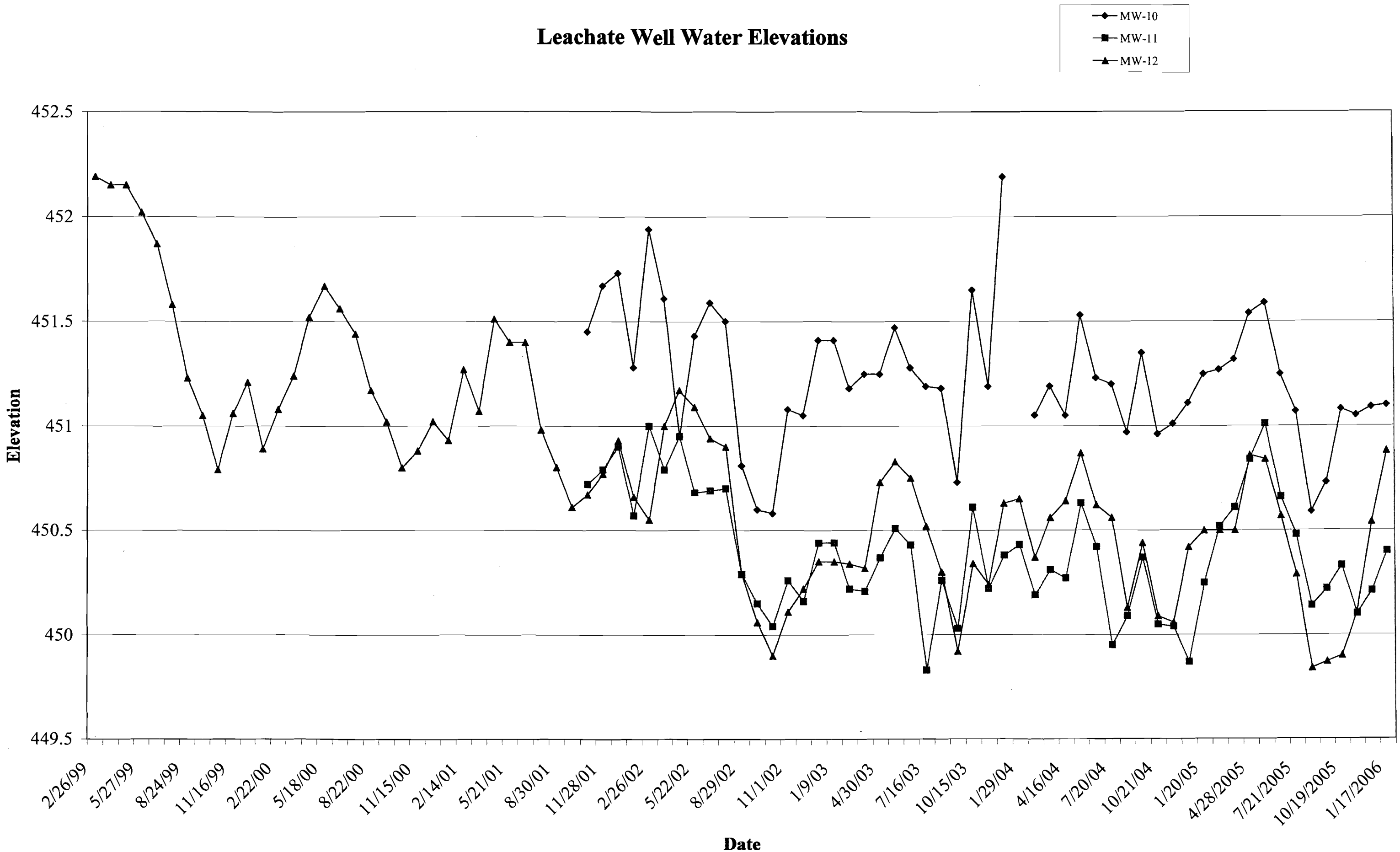


Leachate Well MW-11 Water Elevations



Leachate Well MW-12 Water Elevations

Leachate Well Water Elevations



APPENDIX D

MONTHLY INSPECTION FORMS

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 2/22/05 8:57 Inspector: Brent Zimmer
Weather: Flurry/overcast 27°

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	(OK)	
Access Road - surface/paving/snow	(OK)	
Overall appearance (trash/litter)	OK	Snow Covered
Pump Station at Tannery Road:	Condition: (OK)	
Pump #1 Hours: 50391	Pump #2 Hours: 41620	
Leachate Collection System:		
Panel - note conditions and any alarms:	OK None	
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	(OK)	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	(OK)	
Meter Pit - open lid, check heater, leaks, etc.	(OK)	
Panel note conditions and any alarms:	OK None	

Totallizers (in meter pit)

RW-1 45629 RW-3 26841
RW-2 83643 RW-4 33254

Hour Meters

RW-1 163510 RW-3 386843
RW-2 156575 RW-4 237236

Landfill Cover Inspection		
Leachate seeps Any new seeps	(NO)	If YES, describe: Snow Covered
Western seep condition:		OK Snow Covered
North seep condition:		OK Snow Covered
Gas vents - general condition	(OK)	
- Unusual odors, list vents/describe.	None	
Flares ignited	OK	See page 2
Perimeter fence	(OK)	
Erosion/animal burrows	(NO)	If YES, describe: Snow Covered

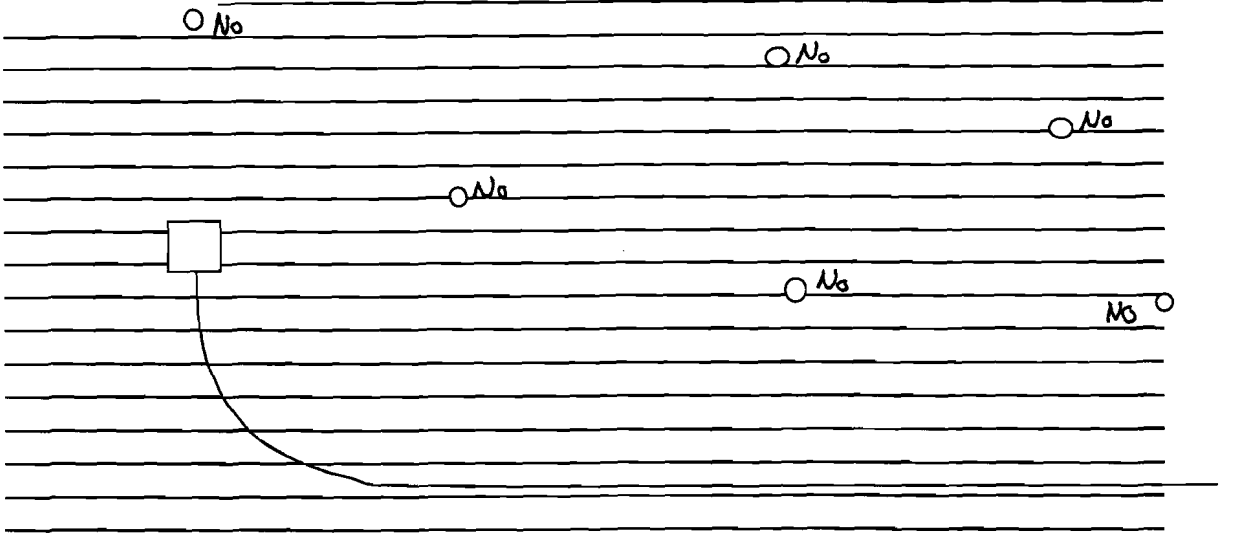
TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 8:57 2/22/05 Inspector: Brent Zimmer

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.18	444.41	Good
MW - 2S	459.44	7.28	452.16	Good
MW - 3S	456.4	Frozen	—	Good
MW - 4S	456.19	3.75	452.44	Good
MW - 5S	457.15	4.69	452.46	Good
MW - 7S	452.25	8.21	444.04	Good
MW - 9S	456.38	3.72	452.66	Good
MW - 10	486.3	35.03	451.27	Good
MW - 11	502.4	51.88	450.52	Good
MW - 12	483.11	32.61	450.50	Good
PZ - 1*	454.37	6.79	447.58	Good
MW-7D		8.53		

NOTES: O No Ignited Flares: Yes / No



TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 3/22/05 9AM

Inspector: Brent Zimmer

Weather: Sunny

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	(OK)	
Access Road - surface/paving/snow	(OK)	Snow/Mud
Overall appearance (trash/litter)	(OK)	Covered with snow
Pump Station at Tannery Road:	Condition: (OK)	
Pump #1 Hours: 50672	Pump #2 Hours: 41867	
Leachate Collection System:		
Panel - note conditions and any alarms:	(OK) None	
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	(OK)	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	(OK)	
Meter Pit - open lid, check heater, leaks, etc.	(OK)	
Panel note conditions and any alarms:	(OK) None	

Totallizers (in meter pit)

RW-1	45431	RW-3	27223
RW-2	83643	RW-4	33754

Hour Meters

RW-1	170234	RW-3	392630
RW-2	163299	RW-4	243960

Landfill Cover Inspection		
Leachate seeps Any new seeps	(NO)	If YES, describe: Snow Covered
Western seep condition:		OK
North seep condition:		OK
Gas vents - general condition	(OK)	
- Unusual odors, list vents/describe.		None
Flares ignited	OK	See page 2
Perimeter fence	(OK)	
Erosion/animal burrows NO		If YES, describe: Snow Covered

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: ~~3/22/05~~ 9AM Inspector: Brent Zimmer

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.19	444.4	Good
MW - 2S	459.44	7.47	451.97	Good
MW - 3S	456.4	3.47	452.93	Good
MW - 4S	456.19	3.69	452.5	Good
MW - 5S	457.15	4.47	452.68	Good
MW - 7S	452.25	8.45	443.8	Good
MW - 9S	456.38	3.71	452.67	Good
MW - 10	486.3	34.98	451.32	Good
MW - 11	502.4	51.79	450.61	Good
MW - 12	483.11	32.61	450.5	Good
PZ - 1*	454.37	6.61	447.76	Good

NOTES: ~~O~~ off Ignited Flares: Yes / No

~~O~~ off

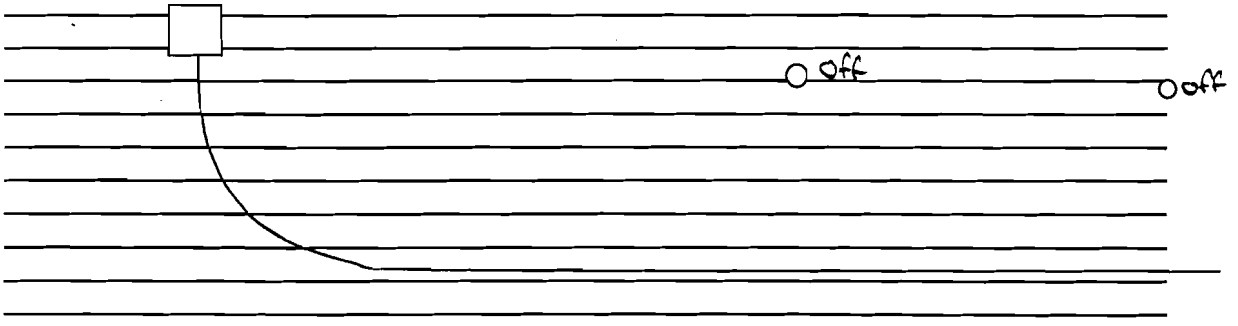
O ON/OFF Flare #7

~~O~~ off

~~O~~ off

~~O~~ off

~~O~~ off



TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 4/28/05 Inspector: EAF

Weather: Cloudy, windy 50F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	ok
Access Road - surface/paving/snow	OK	OK
Overall appearance (trash/litter)	OK	OK
Pump Station at Tannery Road: Condition:	OK	
Pump #1 Hours: 051187 Pump #2 Hours:		042318
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	OK
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	OK
Meter Pit - open lid, check heater, leaks, etc.	OK	OK
Panel note conditions and any alarms: OK		OK

Totallizers (in meter pit)

RW-1 4539600 RW-3 2763800

RW-2 8364300 RW-4 3501200

Hour Meters

RW-1 178885 RW-3 401280

RW-2 171950 RW-4 252611

Landfill Cover Inspection		
Leachate seeps Any new seeps NO	If YES, describe:	west area
Western seep condition:		
North seep condition:		
Gas vents - general condition	OK	OK
- Unusual odors, list vents/describe.		none
Flares ignited one flare ignited	OK	
Perimeter fence	OK	OK
Erosion/animal burrows NO	If YES, describe:	

Erosion Southeast end of landfill and along northern run-on berm

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 4/28/04 Inspector: EEF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	4.66		OK
MW - 2S	459.44	6.30		ok
MW - 3S	456.4	3.54		ok
MW - 4S	456.19	3.76		ok
MW - 5S	457.15	4.39		ok
MW - 7S	452.25	7.36		OK
MW - 9S	456.38	3.72		OK
MW - 10	486.3	34.76		ok
MW - 11	502.4	51.56		ok
MW - 12	483.11	32.25		ok
PZ - 1	454.37	5.70		OK

NOTES:

MW-7D 7.21 MW-2D 6.58 MW-5D 4.44
MW-1D 5.22 MW-4D 4.44

1. Tar on berm breached ≈270ft west of North Downshute
2. Erosion of cap south & west of North Downshute above where Tar on berm repaired 2004

Some leachate staining observed west side LF between fence & wetland. Significantly less than in previous years/spring

• Flare out • Flare out
• Flare out
Flare out MW-4 • Flare out • Flare out
• Flare ignited #7
• Flare out
MW-12

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 5/26/05 Inspector: ECF
Weather: Mostly Sunny 50°F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	ok
Access Road - surface/paving/snow	OK	OK
Overall appearance (trash/litter)	OK	OK
Pump Station at Tannery Road: Condition:	OK	OK
Pump #1 Hours: 51534 Pump #2 Hours:		42621
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	OK
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	OK
Meter Pit - open lid, check heater, leaks, etc.	OK	OK
* Panel note conditions and any alarms:	OK	NONE

Totallizers (in meter pit)

RW-1 4539600 RW-3 2809000
RW-2 8364300 RW-4 3605000

Hour Meters

RW-1 185596 RW-3 407991
RW-2 178661 RW-4 259322

Landfill Cover Inspection		
Leachate seeps Any new seeps NO	If YES, describe:	
Western seep condition:		
North seep condition:		
Gas vents - general condition	OK	OK
- Unusual odors, list vents/describe.		
Flares ignited	OK	all out except #7
Perimeter fence	OK	OK
Erosion/animal burrows NO	If YES, describe:	See April Inspection

* Note: Appears to be Malfunction in RW-1 & RW-2 totalizers

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 5/26/05 Inspector: EGF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.79	443.8	OK
MW - 2S	459.44	7.36	452.08	OK
MW - 3S	456.4	4.22	452.18	OK
MW - 4S	456.19	4.16	452.03	OK
MW - 5S	457.15	5.29	451.86	OK
MW - 7S	452.25	7.98	444.27	OK
MW - 9S	456.38	4.23	452.15	OK
MW - 10	486.3	34.71	451.59	OK
MW - 11	502.4	51.39	451.01	OK
MW - 12	483.11	32.27	450.84	OK
PZ - 1	454.37	6.29	448.08	OK

NOTES:

MW-7D 8.25'
MW-1D 6.25'
MW-2D 7.30
MW-4D 4.98
MW-5D 5.40

Flares - one flare was ignited all others were out

#13 out
#12 out
#11 out
#15 out
#8 out
#10 out
#7 ignited
MW-12

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 6/28/05 Inspector: EGF

Weather: Sunny humid 80°F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	OK
Access Road - surface/paving/snow	OK	OK
Overall appearance (trash/litter)	OK	OK
Pump Station at Tannery Road: Condition:	OK	OK
Pump #1 Hours: 51867 Pump #2 Hours:		42911
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	OK
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	OK
Meter Pit - open lid, check heater, leaks, etc.	OK	OK
Panel note conditions and any alarms:	OK	NONE

Totallizers (in meter pit)

RW-1 4539600 RW-3 2846500

RW-2 8364300 RW-4 3649200

Hour Meters

RW-1 193510 RW-3 415904

RW-2 186595 RW-4 267235

Landfill Cover Inspection

Leachate seeps Any new seeps (NO) If YES, describe:

Western seep condition: No significant flow apparent

North seep condition: No flow

Gas vents - general condition (OK)

- Unusual odors, list vents/describe.

Flares ignited One near MW-12 OK

Perimeter fence (OK)

Erosion/animal burrows NO If YES, describe:

Same as May 05

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 6/28/05 Inspector: EGF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	7.27	442.32	OK
MW - 2S	459.44	9.50	449.94	OK
MW - 3S	456.4	5.32	451.08	OK
MW - 4S	456.19	5.51	450.68	OK
MW - 5S	457.15	6.84	450.31	OK
MW - 7S	452.25	9.76	442.49	OK
MW - 9S	456.38	5.53	450.85	OK
MW - 10	486.3	35.05	451.25	OK
MW - 11	502.4	51.74	450.66	OK
MW - 12	483.11	32.54	450.57	obstruction in casing
PZ - 1	454.37	8.98	445.39	OK

NOTES:

MW-7D 9.94
MW-1D 7.75
MW-5D 6.90
MW-2D 9.24
MW-4D 6.32

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 7/21/05 Inspector: EGF

Weather: Sunny 70° F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	OK
Access Road - surface/paving/snow	OK	OK
Overall appearance (trash/litter)	OK	OK
Pump Station at Tannery Road: Condition:	OK	OK
Pump #1 Hours: 052058 Pump #2 Hours:		043078
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	OK
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	OK
Meter Pit - open lid, check heater, leaks, etc.	OK	OK
Panel note conditions and any alarms: OK		NONE

Totallizers (in meter pit)

RW-1 4539600 RW-3 2862200

RW-2 8364300 RW-4 3746300

Hour Meters

RW-1 196862 RW-3 421627

RW-2 192297 RW-4 272957

Landfill Cover Inspection		
Leachate seeps Any new seeps (NO)	If YES, describe:	
Western seep condition:		
North seep condition:		No apparent flow
Gas vents - general condition	OK	OK
- Unusual odors, list vents/describe.		NONE
Flares ignited One flare (near MW-12)	OK	
Perimeter fence OK	OK	
Erosion/animal burrows NO	If (YES), describe:	See April Report

Also - wood chuck burrows behind and under landfill shed

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 7/21/05 Inspector: EGF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	7.97	441.62	OK
MW - 2S	459.44	9.90	449.54	OK
MW - 3S	456.4	5.98	450.42	OK
MW - 4S	456.19	6.47	449.72	OK
MW - 5S	457.15	7.73	449.42	OK
MW - 7S	452.25	10.83	441.42	OK
MW - 9S	456.38	6.43	449.95	OK
MW - 10	486.3	35.23	451.07	OK
MW - 11	502.4	51.92	450.48	OK
MW - 12	483.11	32.82	450.29	destruction in casing
PZ - 1	454.37	9.69	444.68	OK

NOTES:

MW-7D 10.79
MW-1D 8.40
MW-2D 9.17
MW-4D 7.22
MW-5D 7.76

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 9/27/05 Inspector: EGF

Weather: Sunny, windy 50°F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	ok
Access Road - surface/paving/snow	OK	ok
Overall appearance (trash/litter)	OK	ok
Pump Station at Tannery Road: Condition:	OK	ok

Pump #1 Hours: 52415 Pump #2 Hours: 43383

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows	OK	ok
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	ok
Meter Pit - open lid, check heater, leaks, etc.	OK	ok
Panel note conditions and any alarms:	OK	none

Totallizers (in meter pit)

RW-1 4539600 RW-3 2871900

RW-2 8364300 RW-4 3893700

Hour Meters

RW-1 196863 RW-3 432685

RW-2 203350 RW-4 284019

Landfill Cover Inspection

Leachate seeps Any new seeps NO If YES, describe:

Western seep condition: not apparent not flowing

North seep condition: Not apparent not flowing

Gas vents - general condition OK

- Unusual odors, list vents/describe.

Flares ignited no - one flare is lit OK

Perimeter fence OK

Erosion/animal burrows NO If YES, describe:

See August Monthly Report

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 9/27/05 Inspector: _____

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	8.30		ok
MW - 2S	459.44	9.71		OK
MW - 3S	456.4	5.26		OK
MW - 4S	456.19	6.67		OK
MW - 5S	457.15	8.58		OK
MW - 7S	452.25	9.25		OK
MW - 9S	456.38	5.64		OK
MW - 10	486.3	35.57		OK
MW - 11	502.4	52.18		OK
MW - 12	483.11	33.24		obstructed could not collect sample
PZ - 1	454.37	9.14		OK

NOTES:

MW-7D 9.77
MW-1D 8.71
MW-2D 9.39

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 10/19/05 Inspector: ELF

Weather: Mostly Cloudy 50°F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	OK
Access Road - surface/paving/snow	OK	OK
Overall appearance (trash/litter)	OK	OK
Pump Station at Tannery Road: Condition:	OK	OK
Pump #1 Hours: 052521 Pump #2 Hours:		043472
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	OK
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	OK RW-4 off
Meter Pit - open lid, check heater, leaks, etc.	OK	OK
Panel note conditions and any alarms:	OK	none

Totallizers (in meter pit)

RW-1 4539600 RW-3 2882700

RW-2 8364300 RW-4 3893700

Hour Meters

RW-1 196865 RW-3 433256

RW-2 202357 RW-4 288495

Landfill Cover Inspection		
Leachate seeps Any new seeps	(NO)	If YES, describe:
Western seep condition:		not flowing
North seep condition:		not flowing
Gas vents - general condition		OK
- Unusual odors, list vents/describe.		
Flares ignited only one (vent #7)		OK
Perimeter fence		OK
Erosion/animal burrows	NO	If YES, describe:

See below & August Operational checklist

Continuing Erosion through Diversion berm ± 2rd west of north downshute

Erosion channels southside landfill adjacent to constructed wetland still present. However, vegetation has colonized channel, which may reduce rate of future erosion

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 10/19/05 Inspector: EGF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	6.95		OK
MW - 2S	459.44	7.20		OK
MW - 3S	456.4	3.61		OK
MW - 4S	456.19	4.73		OK
MW - 5S	457.15	5.81		OK
MW - 7S	452.25	11.17		OK
MW - 9S	456.38	4.09		OK
MW - 10	486.3	35.22		OK
MW - 11	502.4	52.07		OK
MW - 12	483.11	32.21		Obstruction - OK for water level
PZ - 1	454.37	8.81		OK

NOTES:

MW-9D 11.14
MW-1D 7.47
MW-2D 7.23
MW-4D 6.02
MW-5D 6.12

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 11/8/05 Inspector: GF

Weather: Partly Cloudy 45° Windy

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	ok
Access Road - surface/paving/snow	OK	ok
Overall appearance (trash/litter)	OK	ok
Pump Station at Tannery Road: Condition:	OK	ok

Pump #1 Hours: 052620 Pump #2 Hours: 43876

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows	OK	ok
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	ok
Meter Pit - open lid, check heater, leaks, etc.	OK	ok
Panel note conditions and any alarms:	OK	none -

Totallizers (in meter pit)

RW-1 4539600 RW-3 2900600

RW-2 8451500 RW-4 2893700

Hour Meters

RW-1 196865 RW-3 43347.5

RW-2 205936 RW-4 28401.5

Landfill Cover Inspection

Leachate seeps Any new seeps NO If YES, describe:

Western seep condition: no flow observed

North seep condition: no flow observed

Gas vents - general condition OK ok

- Unusual odors, list vents/describe. none

Flares ignited One - vent #7 ignited OK one flare

Perimeter fence OK

Erosion/animal burrows NO If YES, describe:

See September Report

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 11/8/05 Inspector: GWF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.91		OK
MW - 2S	459.44	7.41		OK
MW - 3S	456.4	3.80		OK
MW - 4S	456.19	4.27		OK
MW - 5S	457.15	5.06		OK
MW - 7S	452.25	10.12		OK
MW - 9S	456.38	4.04		OK
MW - 10	486.3	35.25		OK
MW - 11	502.4	52.30		OK
MW - 12	483.11	33.0		destruction
PZ - 1	454.37	7.41		OK

NOTES:

MW-7D 10.25
MW-1D 6.51
MW-2D 7.46
MW-4D 5.27
MW-5D 5.21

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 12-6-05 8:00AM Inspector: Brent Zimmer
Weather: Snowing, Very Windy

GENERAL INSPECTION - To Be Completed Monthly

			Notes Problems
General Site Condition:			
Gates - condition and locks for inner & outer gates:		(OK)	
Access Road - surface/paving/snow		(OK)	Snow
MW - 2S	459.44	~~OK~~	
Access Road - surface/paving/snow		~~OK~~	
Overall appearance (trash/litter)		OK	Covered with snow
Pump Station at Tannery Road:		Condition: (OK)	
Pump #1 Hours: 52656		Pump #2 Hours: 44821	
Leachate Collection System:			
MW - 7S	452.25		
Panel - note conditions and any alarms:		(OK)	
Autodialer - test		OK	Not performed

Totallizers (on Panel display at Tannery Rd)

RW-1 4389601 RW-3 4411614
RW-2 7467034 RW-4 2591332

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows	(OK)
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	(OK)
Meter Pit - open lid, check heater, leaks, etc.	(OK)
Panel note conditions and any alarms:	(OK) None

Totallizers (in meter pit)

RW-1 45398 RW-3 29476
RW-2 85798 RW-4 38937

Hour Meters

RW-1 196865 RW-3 438321
RW-2 211663 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps	(NO)	If YES, describe:
Western seep condition:	Good	
North seep condition:	Good	
Gas vents - general condition	(OK)	
- Unusual odors, list vents/describe.	None	
Flares ignited	OK	None ignited
Perimeter fence	(OK)	
Erosion/animal burrows	(NO)	If YES, describe:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 12-6-05 8AM Inspector: Brent Zimmer

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	4.83	444.76	Good
MW - 2S	459.44	6.47	452.97	Good
MW - 3S	456.4	3.56	452.84	Good
MW - 4S	456.19	3.90	452.29	Good
MW - 5S	457.15	4.37	452.78	Good
MW - 7S	452.25	8.45	443.80	Good
MW - 9S	456.38	3.90	452.48	Good
MW - 10	488.29	35.21	453.08	Good
MW - 11	503.95	52.19	451.76	Good
MW - 12	483.11	32.57	450.54	Poor
PZ - 1	454.37	6.04	448.33	Good

NOTES: Calibration of Horiba
pH: 4.0
Cond: 4.4
NTU: 0

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/11/06 10 AM Inspector: Brent Zimmer Tesh Frgim
Weather: Clear Sunny 20°

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	
Access Road - surface/paving/snow	OK	
~~MW - 2S 459.44~~	OK	
Access Road - surface/paving/snow	OK	
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road: Condition:	OK	

Pump #1 Hours: 53371 Pump #2 Hours: 45738

Leachate Collection System:
MW - 7S 452.25

Panel - note conditions and any alarms: OK None
Autodialer - test OK Not Performed
Totallizers (on Panel display at Tannery Rd)

RW-1 4389502 RW-3 4480241
RW-2 3761216 RW-4 2591349

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows	OK
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK
Meter Pit - open lid, check heater, leaks, etc.	OK
Panel note conditions and any alarms: OK	No Alarms

Totallizers (in meter pit)

RW-1 45396 RW-3 30183
RW-2 89736 RW-4 38937

Hour Meters

RW-1 196865 RW-3 448412
RW-2 221754 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps NO If YES, describe:
Western seep condition: OK
North seep condition: OK
Gas vents - general condition OK
- Unusual odors, list vents/describe. None
Flares ignited OK None
Perimeter fence OK
Erosion/animal burrows NO If YES, describe:
Continued erosion along southeast end of landfill, no new erosion in this area.

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/17/06 10AM Inspector: Brad Zimmer JR & Frame

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	4.77	444.82	OK
MW - 2S	459.44	6.31	453.13	OK
MW - 3S	456.4	Frozen	—	OK
MW - 4S	456.19	3.87	452.32	OK
MW - 5S	457.15	4.46	752.69	OK
MW - 7S	452.25	7.77	444.48	OK
MW - 9S	456.38	3.94	452.44	OK
MW - 10	488.29	35.20	453.09	OK
MW - 11	503.95	52.11	451.84	OK
MW - 12	483.11	32.23	450.88	OK
PZ - 1	454.37	5.80	448.57	OK

MW-7D → 7.91

NOTES:

City of Rome Tannery Road Landfill
Shallow Overburden Ground Water Contours
Feet Above Mean Sea Level

- Recovery_Wells
- Mon_Well_Locations
- March_2005_Contours

MW-9S 452.67

MW-2S,2D,2P,2I 451.97

MW-3S 452.93

452

451

450

RW-1

RW-4

LMW-10 451.32

MW-4S,4D,4P 452.5

LMW-11 450.61

LMW-12 450.5

PZ-1 447.76

MW-1D,1S 444.41

City of Rome Landfill

RW-3

RW-2

MW-5S,5D 452.68

449

448

447

446

445

444

Oneida-Herkimer County
Ash Landfill

MW-7D,7S 443.8

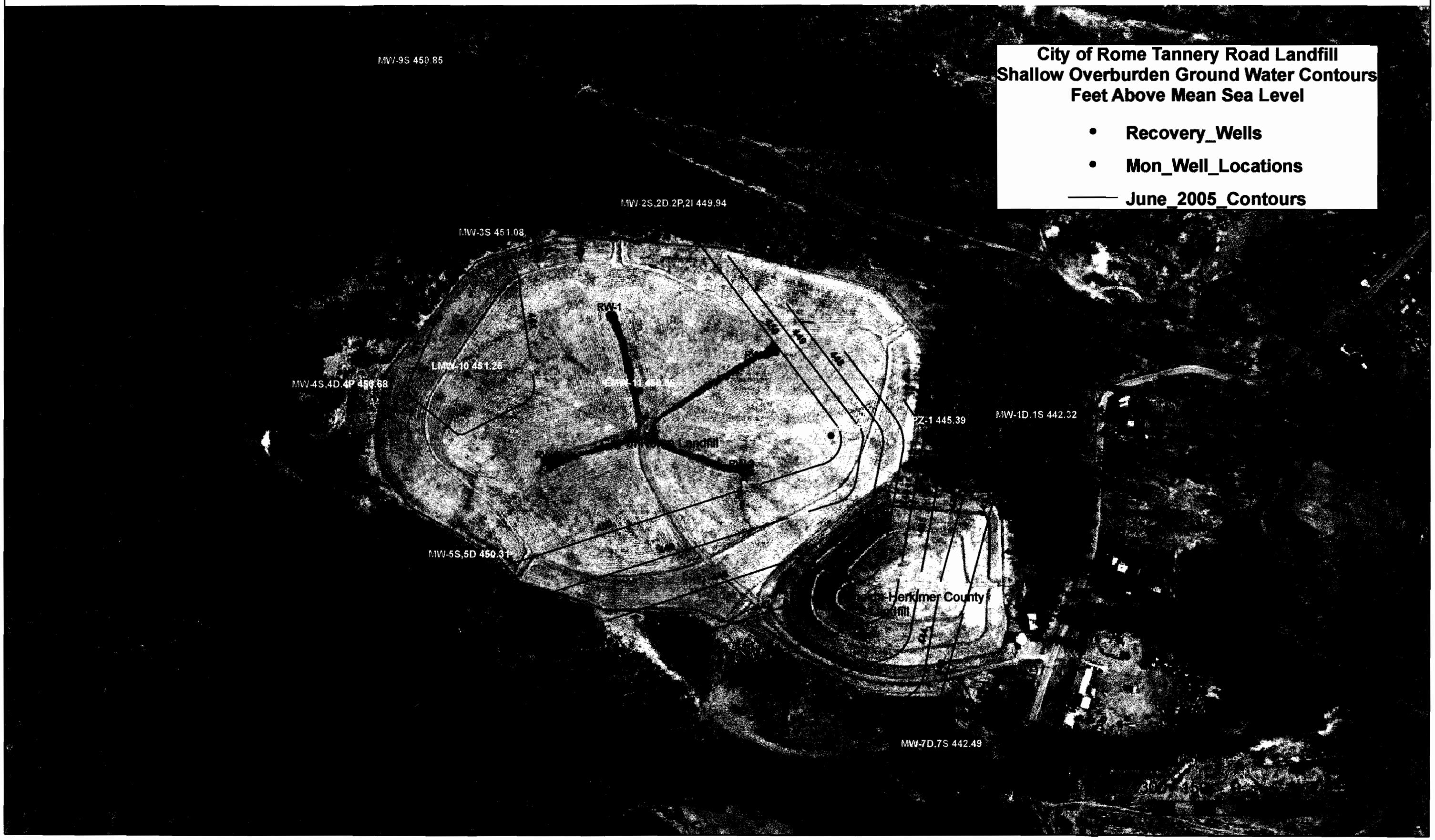
N

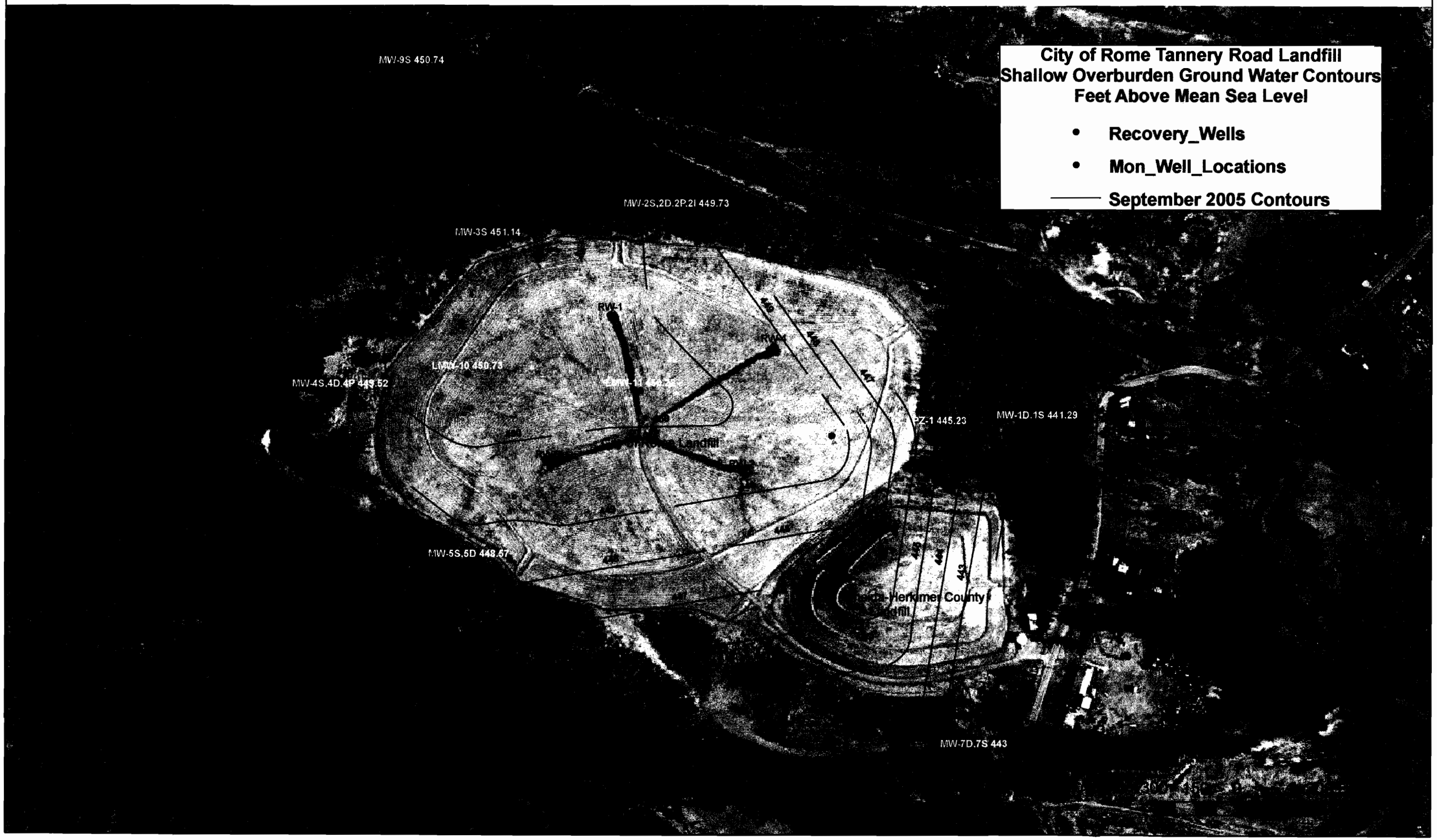
W

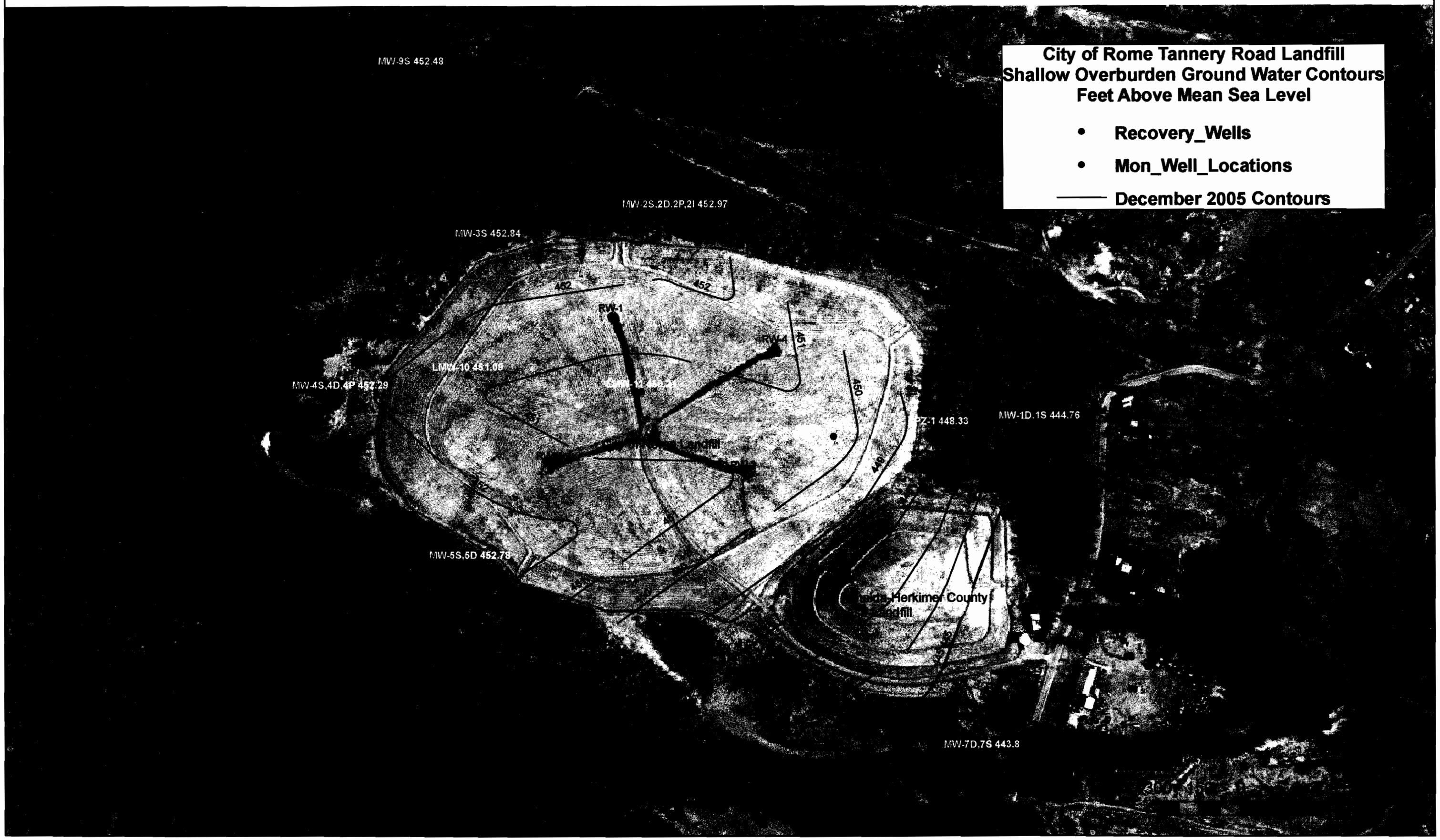
E

S

300 150 0 300 Feet


City of Rome Tannery Road Landfill
Shallow Overburden Ground Water Contours
Feet Above Mean Sea Level
Recovery_Wells
Mon_Well_Locations
June_2005_Contours
MW-9S 450.85
MW-2S,2D,2P,2I 449.94
MW-3S 451.08
RW-1
LMW-10 451.25
MW-4S,4D,4P 450.68
LMW-11 450.96
PZ-1 445.39
MW-1D,1S 442.32
MW-5S,5D 450.31
Herkimer County
MW-7D,7S 442.49


City of Rome Tannery Road Landfill
Shallow Overburden Ground Water Contours
Feet Above Mean Sea Level
Recovery_Wells
Mon_Well_Locations
September 2005 Contours
MW-9S 450.74
MW-2S,2D,2P,2I 449.73
MW-3S 451.14
RW-1
LMW-10 450.75
MW-4S,4D,4P 449.52
PZ-1 445.23
MW-1D,1S 441.29
Landfill
MW-5S,5D 448.57
Herkimer County
MW-7D,7S 443


City of Rome Tannery Road Landfill
Shallow Overburden Ground Water Contours
Feet Above Mean Sea Level
Recovery_Wells
Mon_Well_Locations
December 2005 Contours
MW-9S 452.48
MW-2S,2D,2P,2I 452.97
MW-3S 452.84
452
452
RW-1
RW-4
451
450
448
LMW-10 451.09
MW-4S,4D,4P 452.29
PZ-1 448.33
MW-1D,1S 444.76
Landfill
MW-5S,5D 452.78
Herkimer County
dfill
MW-7D,7S 443.8