

Updated Trend Analysis
Petronila Creek Above Tidal Implementation-Plan (I-Plan)
for
Three Total Maximum Daily Loads
Chloride, Sulfate, and Total Dissolved Solids (TDS)
2007 - 2025

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INTRODUCTION

The water quality data analysis that was conducted on three historic monitoring sites (Figure 1 – green dots) on the main stem as part of the 2014 I-Plan Revision included data from 1971 to 2012. Two sets of data graphs were created – one for the full date range and one from 2007 (date of the initial I-Plan) to 2012. The first updated analysis, completed in September 2016, added data collected in 2013 through 2015 and noted any changes in the 2007 – 2012 trends. The second updated analysis, completed in October 2017, added data collected through 2016. The third updated analysis completed in November 2022, added data collected through 2021. The fourth updated analysis added data collected through 2022. Subsequent analyses were completed on an annual basis, updating the trend analysis each year. For this updated analysis, data collected in 2025 have been added to the trend analysis.

The tables below show the 2007 – 2012 and each year following the 2007 – 2016 trend analysis to 2025. From 2007 – 2015, then an annually through 2025, rainfall correlation with chloride, sulfate, and Total Dissolved Solids (TDS) averages are presented in the tables below.

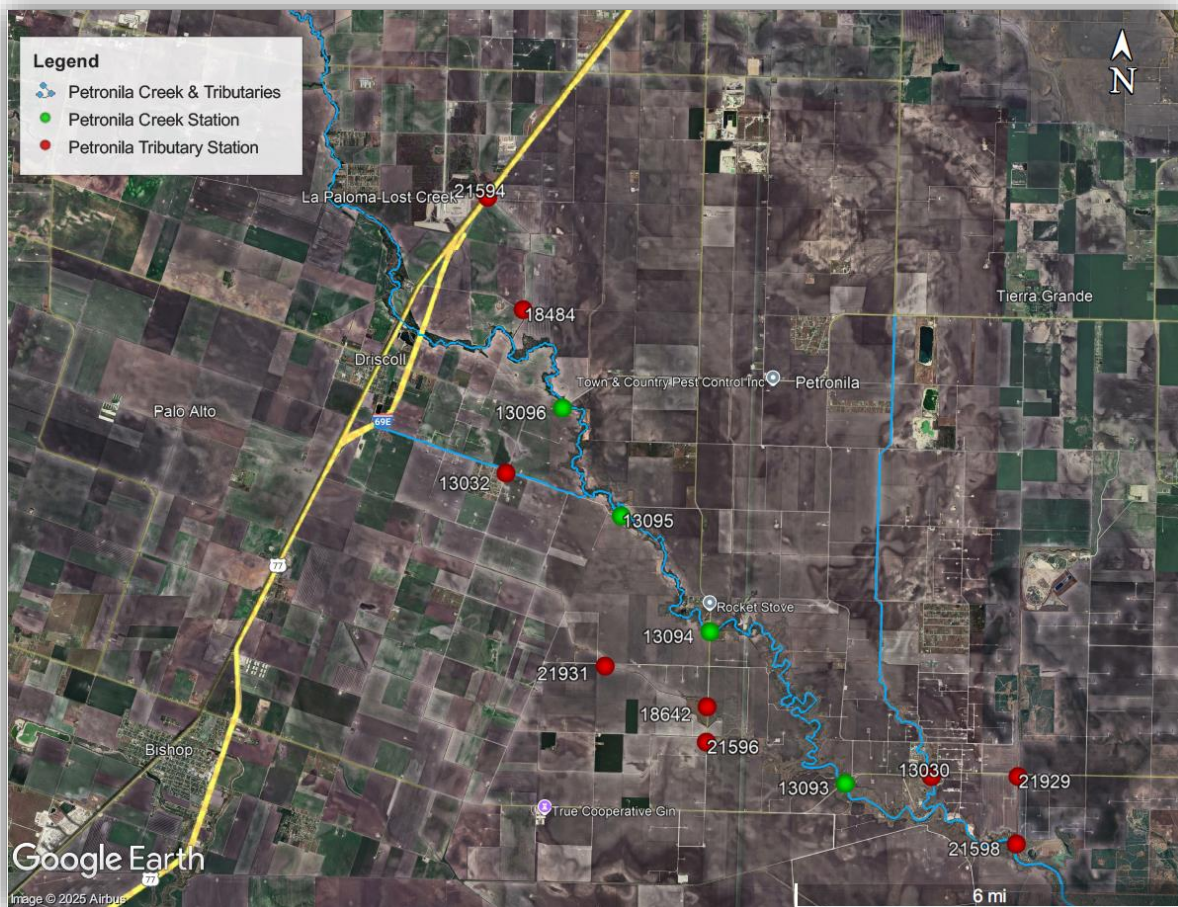


Figure 1. Monitoring Sites

MAIN STEM ANALYSIS

It should be noted that the accuracy of the trend analysis increases with each additional year of monitoring. Ten years is an accepted minimum, but for the purpose of this update, Station 13093 has at least ten years of data (beginning in 2010 because of no sampling in 2006 through 2009) and Stations 13094, 13095, 13096 each have at least ten years of data. The trend analysis used the Excel graphing option to 'Add Trendline' to determine the R^2 value. The larger the value, the greater the trend. Values <0.050 are not considered to have a trend. The Excel 'Correlation' function was used to determine if rainfall played a role in concentrations values. The closer the absolute value is to 1, the greater the correlation. Rainfall recorded at Kingsville <https://www.wunderground.com/history/monthly/us/tx/kingsville/KNQI> was used for the analysis. The raw data is included in Appendix A.

The tables below show the 2007 – 2012 and each year following the 2007 – 2016 trend analysis to 2024. The 2007 – 2015 range, and each year from 2007 through 2025 annual rainfall correlation with annual chloride, sulfate, and Total Dissolved Solids (TDS) averages are presented in Tables 3, 7, and 11. Annual rainfall correlation with annual chloride, sulfate, and TDS averages for Station 13095 are presented in Tables 4, 8, and 12 from 2014 – 2025.



Figure 2. Station 21594 – Petronila Tributary at County Road 233 (March 2025)

CHLORIDE – STANDARD 1,500 MG/L

Figure 3 is a graph of the yearly chloride averages from 2007 through 2025 along with the total yearly rainfall. Tables 1 and 2 show the trend analysis for the chloride yearly averages. Tables 3 and 4 show the rainfall correlation with the chloride yearly averages. The analysis shows that there is an inverse relationship between rainfall and chloride concentrations at all stations.

Annual rainfall correlation with annual chloride, sulfate, and TDS averages for Station 13095 are presented in Tables 4, 8, and 12 from 2014 – 2025.

Annual rainfall has a highest correlation with annual chloride values at Station 13093 (-0.519) and Station 13095 (-0.375). Annual rainfall correlation to annual chloride values has continually decreased for all stations.

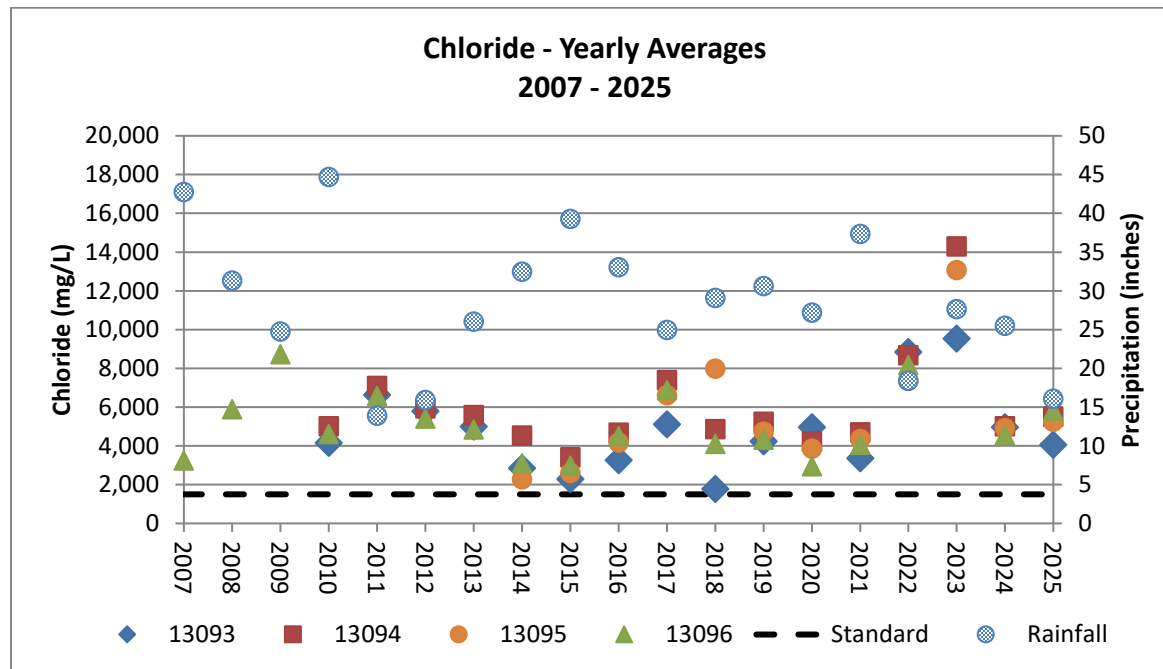


Figure 3. Chloride Yearly Averages

Table 1: Statistical Analysis of Annual Chloride Averages

	13093	13094	13096
2007 – 2012	Increasing: $R^2 = 0.418$	No Trend: $R^2 = 0.002$	Increasing: $R^2 = 0.062$
2007 – 2016	Decreasing: $R^2 = 0.474$	Decreasing: $R^2 = 0.318$	Decreasing: $R^2 = 0.152$
2007 – 2017	Decreasing: $R^2 = 0.193$	Decreasing: $R^2 = 0.084$	No Trend: $R^2 = 0.026$
2007 – 2018	Decreasing: $R^2 = 0.158$	Decreasing: $R^2 = 0.115$	No Trend: $R^2 = 0.050$
2007 – 2019	Decreasing: $R^2 = 0.125$	Decreasing: $R^2 = 0.117$	No Trend: $R^2 = 0.046$
2007 – 2020	Decreasing: $R^2 = 0.054$	Decreasing: $R^2 = 0.174$	Decreasing: $R^2 = 0.130$
2007 – 2021	Decreasing: $R^2 = 0.098$	Decreasing: $R^2 = 0.095$	Decreasing: $R^2 = 0.143$
2007 – 2022	No Trend: $R^2 = 0.020$	No Trend: $R^2 = 0.016$	No Trend: $R^2 = 0.001$
2007 – 2023	Increasing: $R^2 = 0.238$	Increasing: $R^2 = 0.161$	Increasing: $R^2 = 0.186$
2007 – 2024	Increasing: $R^2 = 0.113$	Increasing: $R^2 = 0.145$	Increasing: $R^2 = 0.107$
2007 – 2025	Increasing: $R^2 = 0.051$	Increasing: $R^2 = 0.082$	Increasing: $R^2 = 0.059$

Table 2: Statistical Analysis of Annual Chloride Averages – Station 13095

	13095
2014 – 2024	Increasing: $R^2 = 0.305$
2014 – 2025	Increasing: $R^2 = 0.217$

Table 3: Annual Rainfall Correlation with Annual Chloride Averages

	13093	13094	13096
2007 – 2015	-0.809	-0.586	-0.606
2007 – 2016	-0.809	-0.588	-0.610
2007 – 2017	-0.813	-0.602	-0.622
2007 – 2018	-0.812	-0.607	-0.607
2007 – 2019	-0.812	-0.586	-0.605
2007 – 2020	-0.811	-0.539	-0.544
2007 – 2021	-0.823	-0.682	0.554
2007 – 2022	-0.781	-0.619	-0.617
2007 – 2023	-0.635	-0.347	-0.208
2007 – 2024	-0.632	-0.337	-0.198
2007 – 2025	-0.519	-0.342	-0.208

Table 4: Annual Rainfall Correlation with Annual Chloride Averages – Station 13095

	13095
2014 – 2024	-0.483
2014 – 2025	-0.375

SULFATE – STANDARD 500 MG/L

Figure 4 is a graph of the yearly sulfate averages from 2007 through 2025 along with the total yearly rainfall. Tables 5 and 6 show the trend analysis for the sulfate yearly averages. Tables 7 and 8 show the rainfall correlation with the sulfate yearly averages. The analysis shows that there is an inverse relationship between rainfall and TDS concentrations at all stations.

For yearly averages, for Station 13093, the trend has changed from increasing in 2012 to decreasing in 2016 through 2018. For 2019, the trend changed to no trend. Analysis in 2021 indicated a decreasing trend. Since 2023, analysis indicates an increasing trend for Station 13093 with $R^2 = 0.092$ for 2025. For Station 13094, the trend has changed from decreasing trend in 2016 through 2021 to increasing trend from 2023 – 2025. Station 13095 is showing an increasing trend with a $R^2 = 0.676$. For Station 13096, the trend has changed from increasing in 2012 to decreasing in 2016 to no trend in 2017 and 2018. For 2019 - 2021, the trend changed to a decreasing trend, then no trend in 2022, and increasing from 2023 – 2025.

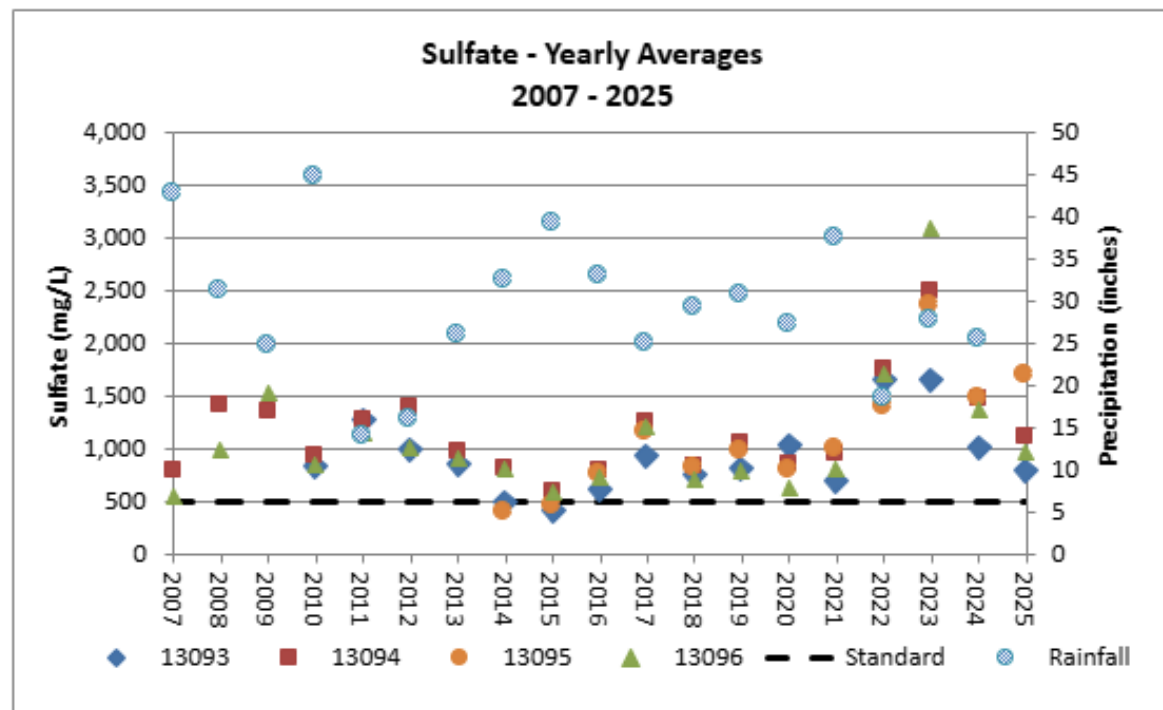


Figure 4. Sulfate Yearly Averages

Table 5: Statistical Analysis of Annual Sulfate Averages

	13093	13094	13096
2007 - 2012	Increasing: $R^2 = 0.120$	Increasing: $R^2 = 0.189$	Increasing: $R^2 = 0.116$
2007 - 2016	Decreasing: $R^2 = 0.547$	Decreasing: $R^2 = 0.259$	Decreasing: $R^2 = 0.094$
2007 - 2017	Decreasing: $R^2 = 0.241$	Decreasing: $R^2 = 0.101$	No Trend: $R^2 = 0.010$
2007 - 2018	Decreasing: $R^2 = 0.198$	Decreasing: $R^2 = 0.146$	No Trend: $R^2 = 0.038$
2007 - 2019	No Trend: $R^2 = 0.006$	Decreasing: $R^2 = 0.146$	Decreasing: $R^2 = 0.110$
2007 - 2020	No Trend: $R^2 = 0.028$	Decreasing: $R^2 = 0.132$	Decreasing: $R^2 = 0.100$
2007 - 2021	Decreasing: $R^2 = 0.102$	Decreasing: $R^2 = 0.125$	Decreasing: $R^2 = 0.102$
2007 - 2022	No Trend: $R^2 = 0.037$	No Trend: $R^2 = 0.001$	No Trend: $R^2 = 0.002$
2007 - 2023	Increasing: $R^2 = 0.207$	Increasing: $R^2 = 0.150$	Increasing: $R^2 = 0.211$
2007 - 2024	Increasing: $R^2 = 0.143$	Increasing: $R^2 = 0.115$	Increasing: $R^2 = 0.148$
2007 - 2025	Increasing: $R^2 = 0.092$	Increasing: $R^2 = 0.091$	Increasing: $R^2 = 0.114$

Table 6: Statistical Analysis of Annual Sulfate Averages – Station 13095

	13095
2014 – 2024	Increasing: $R^2 = 0.643$
2014 – 2025	Increasing: $R^2 = 0.676$

Table 7: Annual Rainfall Correlation with Annual Sulfate Averages

Trends	13093	13094	13096
2007 – 2015	-0.717	-0.711	-0.656
2007 – 2016	-0.724	-0.704	-0.656
2007 – 2017	-0.730	-0.714	-0.667
2007 – 2018	-0.729	-0.689	-0.643
2007 – 2019	-0.727	-0.688	-0.641
2007 – 2020	-0.714	-0.661	-0.591
2007 – 2021	-0.721	-0.656	0.591
2007 – 2022	-0.718	-0.695	-0.642
2007 – 2023	-0.614	-0.494	-0.375
2007 – 2024	-0.616	-0.502	-0.383
2007 – 2025	-0.541	-0.463	-0.346

Table 8: Annual Rainfall Correlation with Annual Sulfate Averages – Station 13095

	13095
2014 – 2024	-0.526
2014 – 2025	-0.596

TOTAL DISSOLVED SOLIDS (TDS) – STANDARD 4,000 MG/L

Figure 5 is a graph of the yearly TDS averages from 2007 through 2025 along with the total yearly rainfall. Tables 9 and 10 show the trend analysis for the TDS yearly averages. Tables 11 and 12 show the rainfall correlation with the TDS yearly averages. The analysis shows that there is an inverse relationship between rainfall and TDS concentrations at all stations.

For yearly averages, for Station 13093, the trend has changed from decreasing in 2012 to 2016 through 2021, to no trend since 2022. For Station 13094, the trend continues to be decreasing ($R^2 = 0.090$). Station 13095 is showing an increasing trend with an $R^2 = 0.339$. For Station 13096, continues to be no trend.

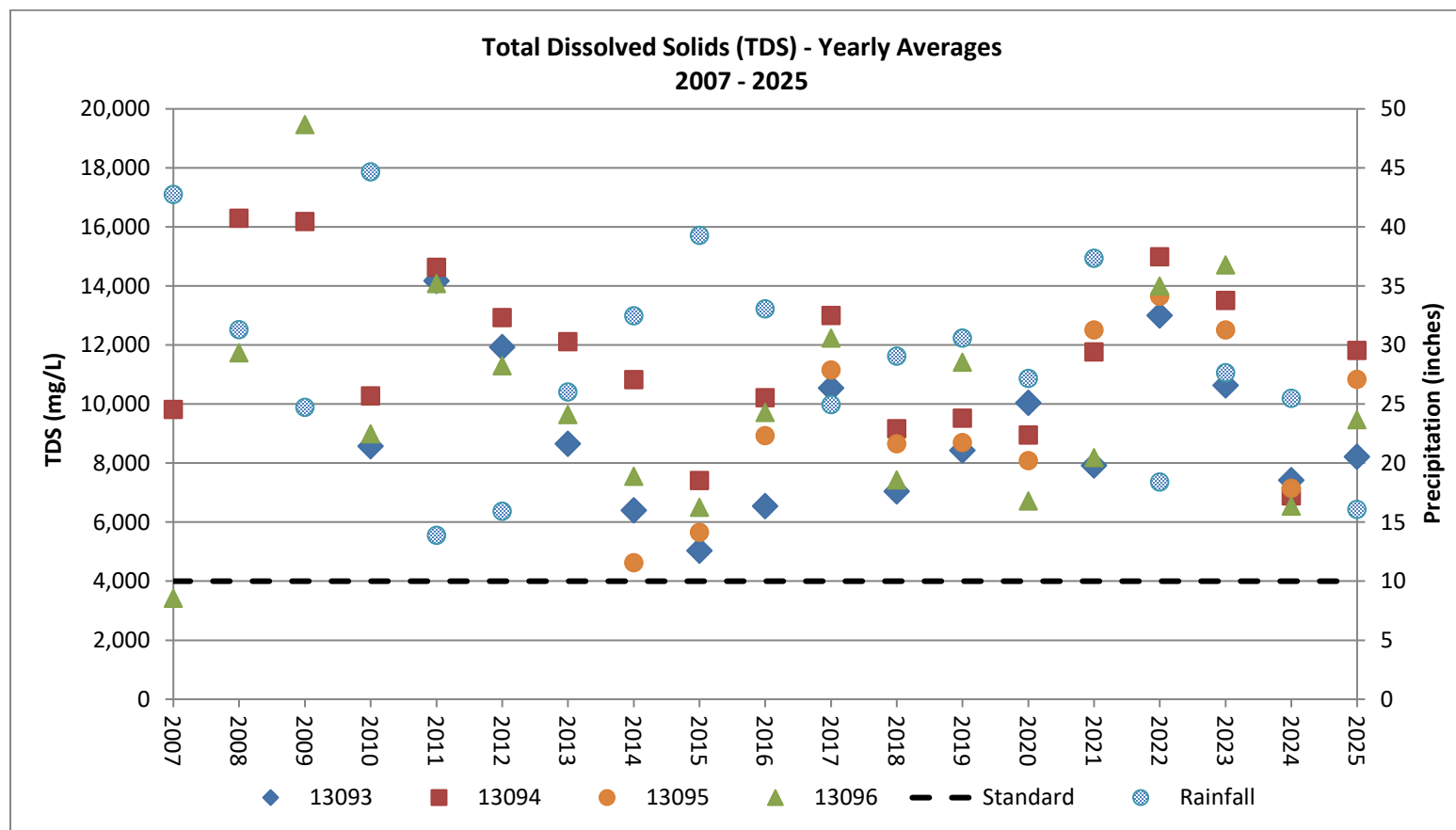


Figure 5. TDS Yearly Averages

Table 9: Statistical Analysis of Annual TDS Averages

	13093	13094	13096
2007 – 2012	Increasing: $R^2 = 0.354$	No Trend: $R^2 = 0.009$	Increasing: $R^2 = 0.130$
2007 – 2016	Decreasing: $R^2 = 0.500$	Decreasing: $R^2 = 0.262$	No Trend: $R^2 = 0.028$
2007 – 2017	Decreasing: $R^2 = 0.200$	Decreasing: $R^2 = 0.153$	No Trend: $R^2 = 0.005$
2007 – 2018	Decreasing: $R^2 = 0.235$	Decreasing: $R^2 = 0.235$	No Trend: $R^2 = 0.027$
2007 – 2019	Decreasing: $R^2 = 0.187$	Decreasing: $R^2 = 0.269$	No Trend: $R^2 = 0.011$
2007 – 2020	Decreasing: $R^2 = 0.088$	Decreasing: $R^2 = 0.276$	Decreasing: $R^2 = 0.103$
2007 – 2021	Decreasing: $R^2 = 0.096$	Decreasing: $R^2 = 0.154$	Decreasing: $R^2 = 0.130$
2007 – 2022	No Trend: $R^2 = 0.002$	Decreasing: $R^2 = 0.088$	No Trend: $R^2 = 0.008$
2007 – 2023	No Trend: $R^2 = 0.003$	No Trend: $R^2 = 0.029$	No Trend: $R^2 = 0.013$
2007 – 2024	No Trend: $R^2 = 0.003$	Decreasing: $R^2 = 0.111$	No Trend: $R^2 = 0.004$
2007 – 2025	No Trend: $R^2 = 0.007$	Decreasing: $R^2 = 0.090$	No Trend: $R^2 = 0.005$

Table 10: Statistical Analysis of Annual TDS Averages – Station 13095

	13095
2014 – 2024	Increasing: $R^2 = 0.339$
2014 – 2025	Increasing: $R^2 = 0.339$

Table 11: Annual Rainfall Correlation with Annual TDS Averages

Trends	13093	13094	13096
2007 – 2015	-0.811	-0.642	-0.652
2007 – 2016	-0.810	-0.643	-0.653
2007 – 2017	-0.814	-0.648	-0.661
2007 – 2018	-0.796	-0.600	-0.641
2007 – 2019	-0.796	-0.595	-0.636
2007 – 2020	-0.795	-0.549	-0.595
2007 – 2021	-0.789	-0.530	-0.603
2007 – 2022	-0.816	-0.579	0.637
2007 – 2023	-0.811	-0.579	-0.624
2007 – 2024	-0.777	-0.479	-0.577
2007 – 2025	-0.694	-0.457	-0.526

Table 12: Annual Rainfall Correlation with Annual TDS Averages – Station 13095

	13095
2014 – 2024	-0.448
2014 – 2025	-0.456

TRIBUTARY ANALYSIS

Monitoring on the tributaries to Petronila Creek began in FY 2015. Nine sites were monitored in FY 2024. The red dots in Figure 1 are the nine Petronila tributary sites currently being monitored.

The following pages contain graphs of the chloride, sulfate, and TDS sampling results from FY 2015 through FY 2025. An inverse relationship between conductivity and rainfall is apparent at most sites (Table 13). Because the sampling was conducted monthly, allowing for more data points, trend analysis was conducted on all sites. The number of samples varies between stations because at times a site may have been dry, the pool was too small to sample, or the site was too muddy for access. The ↑ symbol in the table below indicates an increasing trend; the ↓ symbol indicates a decreasing trend; and the ↔ symbol indicates no trend ($R^2 < 0.05$). The highlighted cells indicate a change in trend from the previous update.

Table 13: Conductivity vs Rainfall and Trend Analysis

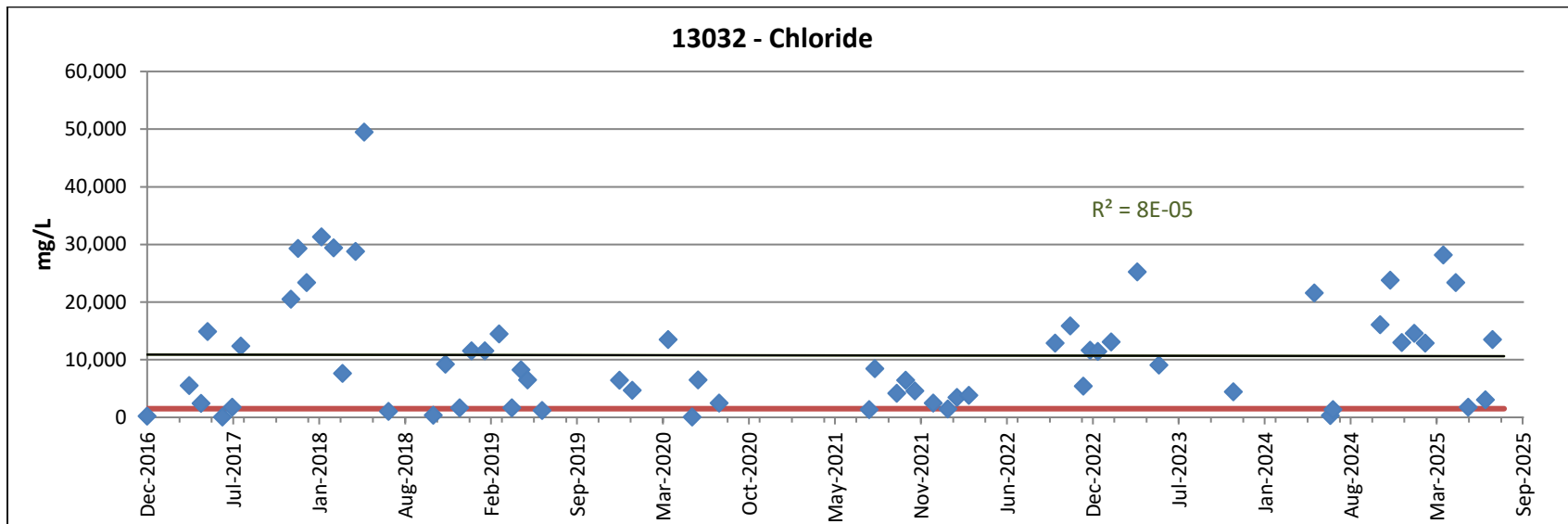
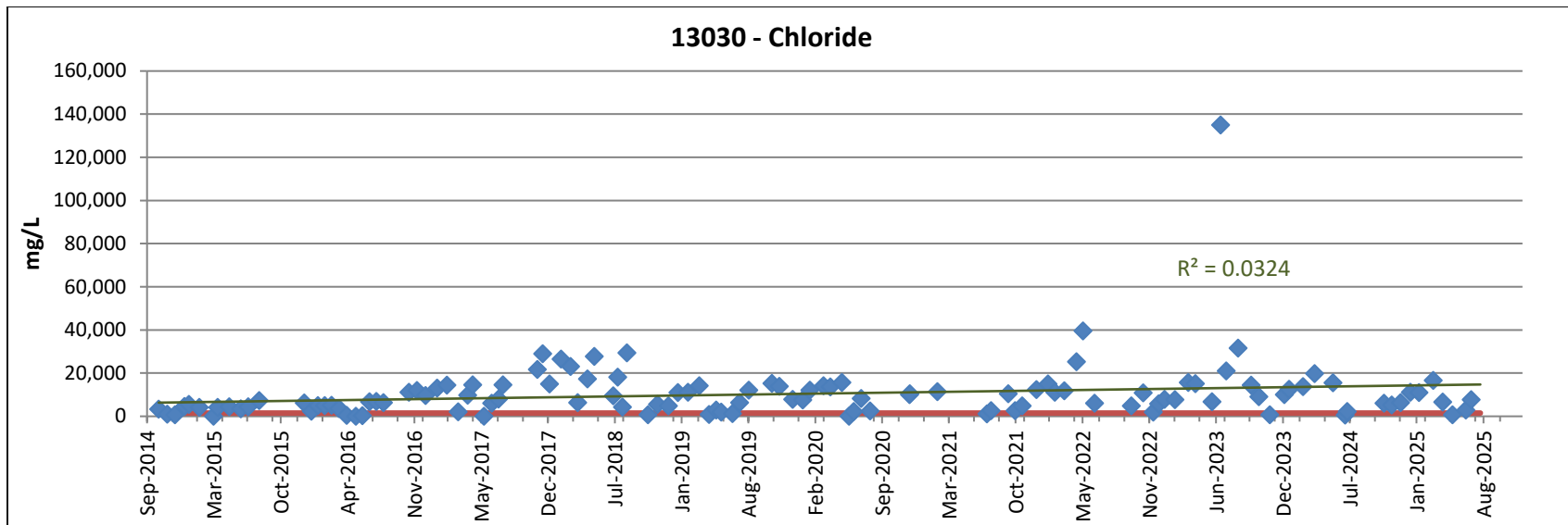
Station (# of samples)	Rainfall Correlation	Chloride Trend	Sulfate Trend	TDS Trend
13030 (n = 119)	-0.4316	$R^2 = 0.0324$ ↔	$R^2 = 0.0578$ ↑	$R^2 = 0.0108$ ↔
13032 (n = 63)	-0.5682	$R^2 = 0.00008$ ↔	$R^2 = 0.0705$ ↑	$R^2 = 0.0212$ ↔
18484 (n = 116)	-0.3857	$R^2 = 0.0539$ ↑	$R^2 = 0.0546$ ↑	$R^2 = 0.0028$ ↔
18642 (n = 113)	-0.4460	$R^2 = 0.0227$ ↔	$R^2 = 0.0434$ ↔	$R^2 = 0.0017$ ↔
21594 (n = 114)	-0.2895	$R^2 = 0.2045$ ↓	$R^2 = 0.0029$ ↔	$R^2 = 0.1492$ ↓
21596 (n = 100)	-0.4612	$R^2 = 0.0263$ ↔	$R^2 = 0.0205$ ↔	$R^2 = 0.0113$ ↔
21598 (n = 114)	-0.4281	$R^2 = 0.0197$ ↔	$R^2 = 0.0307$ ↔	$R^2 = 0.0165$ ↔
21929 (n = 78)	-0.5101	$R^2 = 0.0439$ ↔	$R^2 = 0.0461$ ↔	$R^2 = 0.0057$ ↔
21931 (n = 50)	-0.4197	$R^2 = 0.0061$ ↔	$R^2 = 0.0611$ ↑	$R^2 = 0.031$ ↔

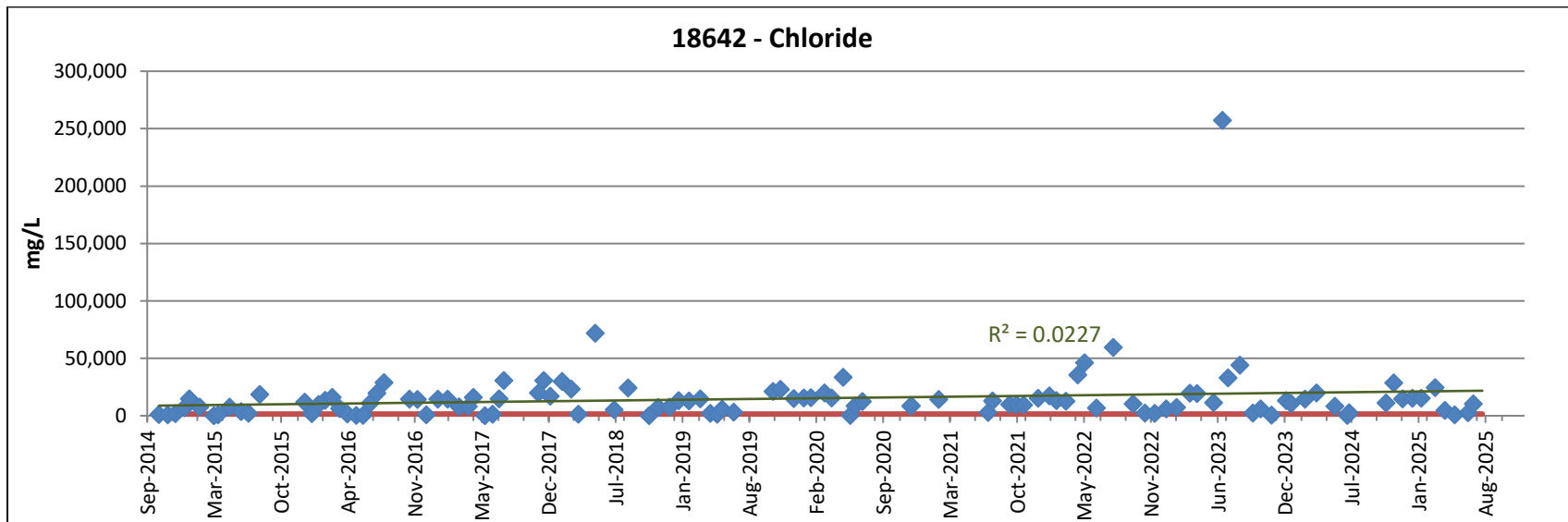
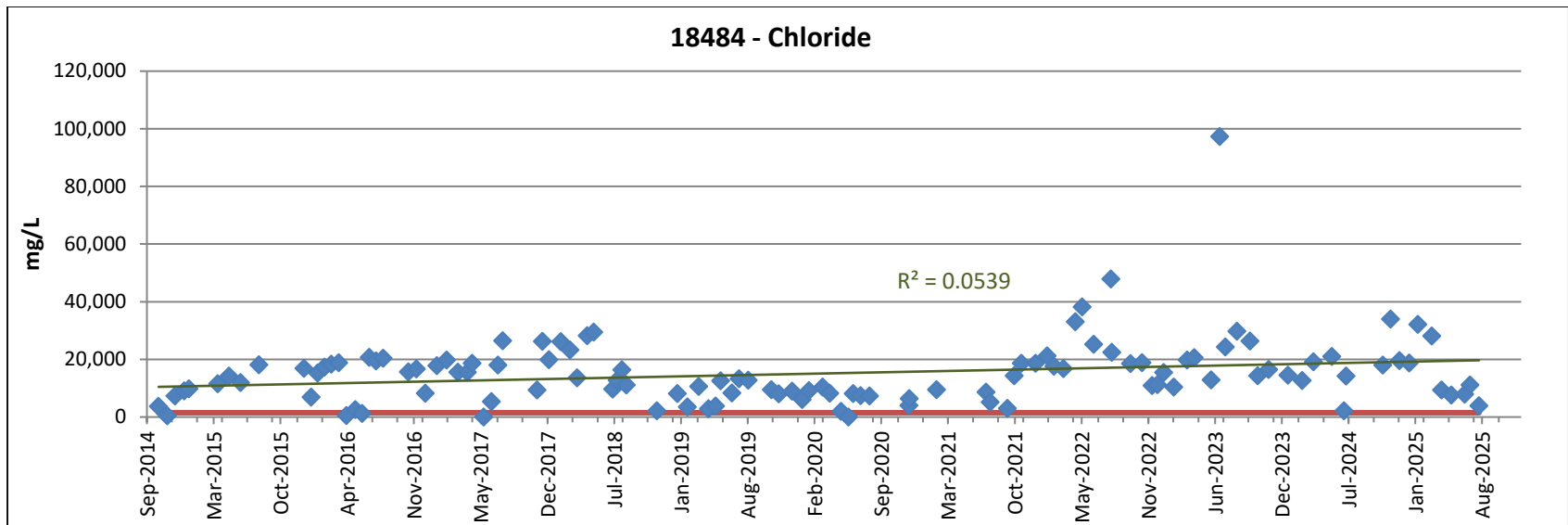
RECOMMENDATIONS

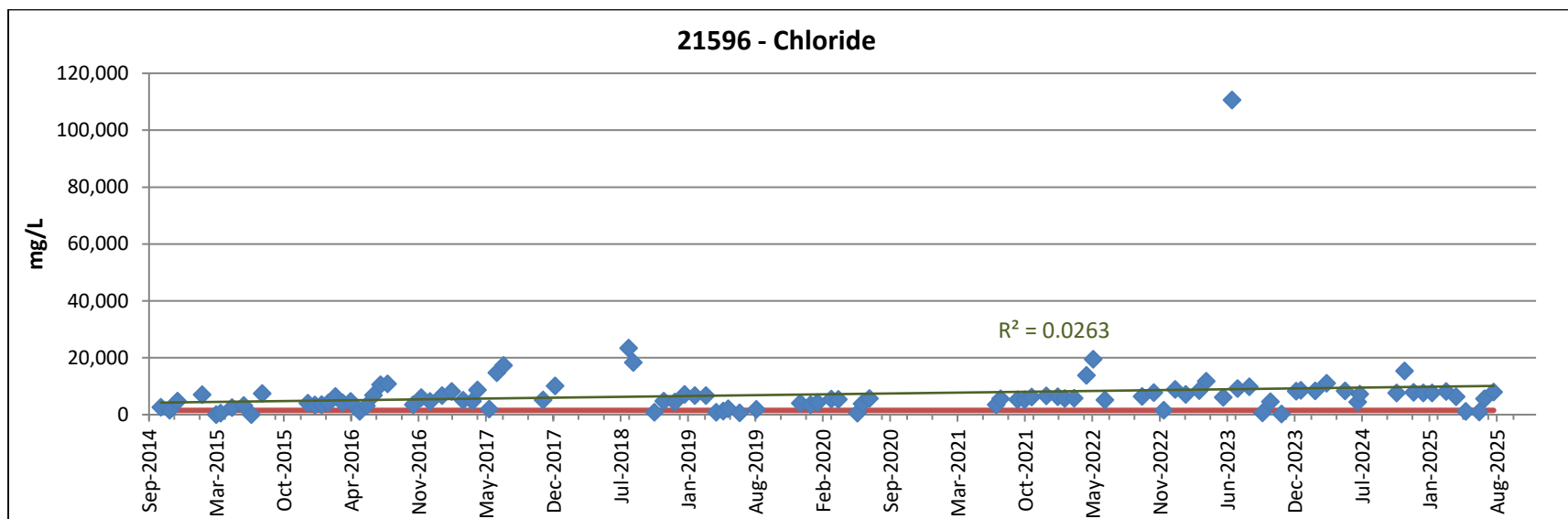
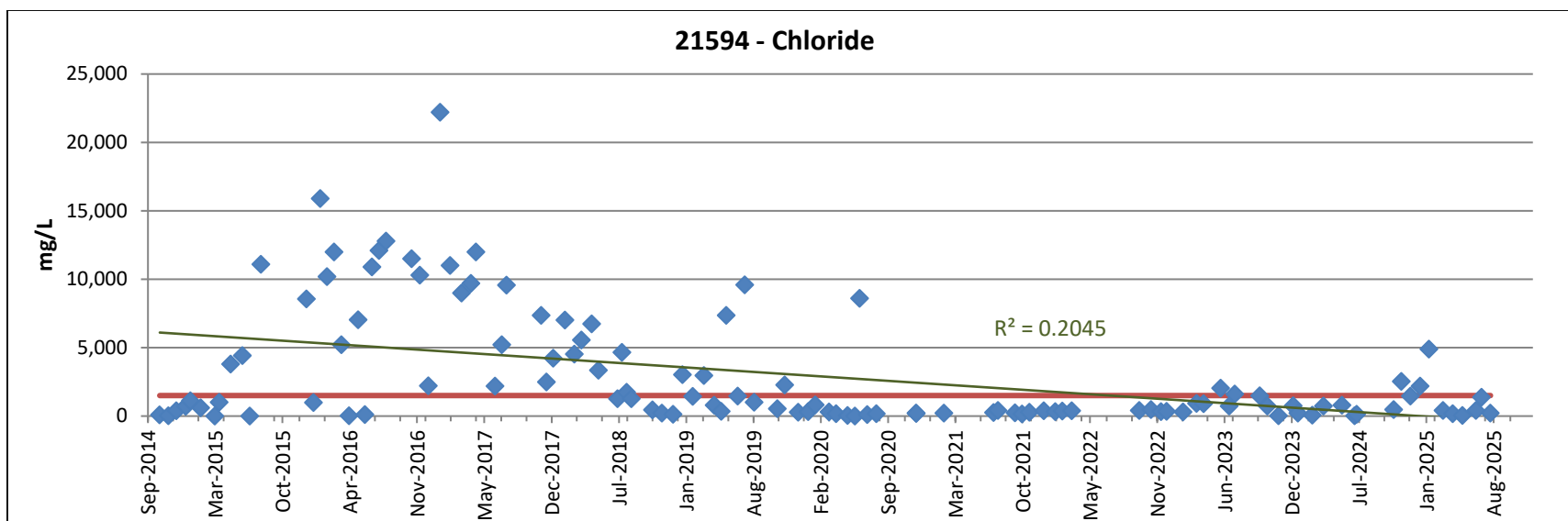
Water quality sampling should be continued so that the trend analysis is more statistically valid over larger timescales and climactic variabilities.

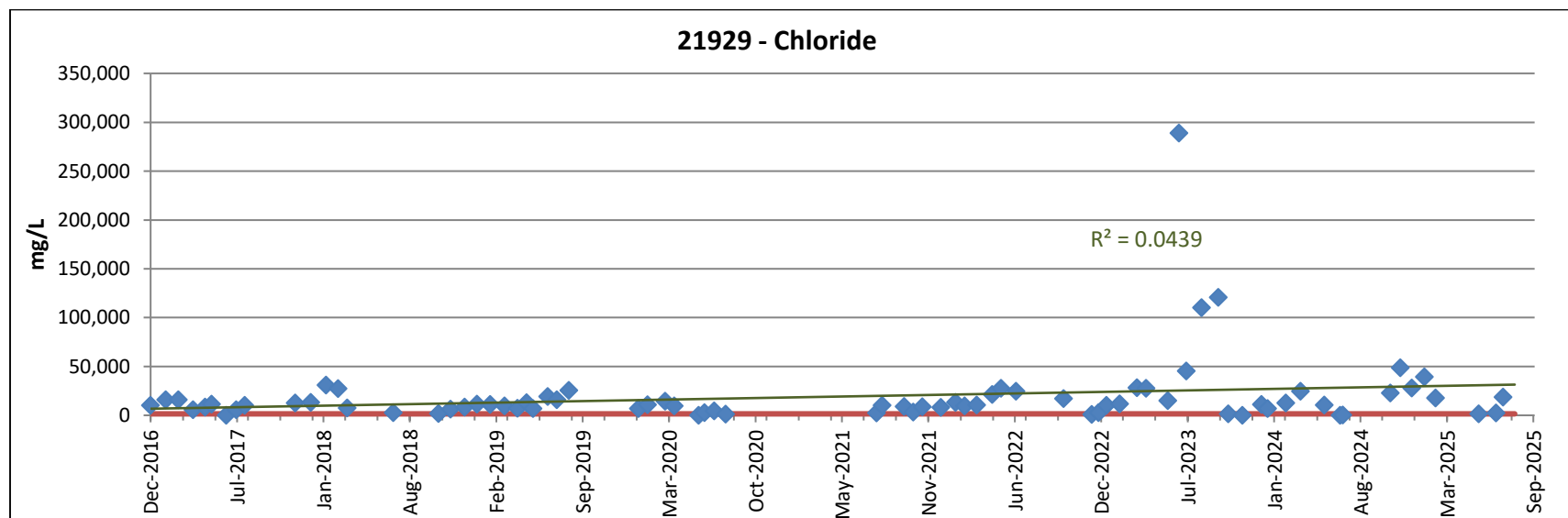
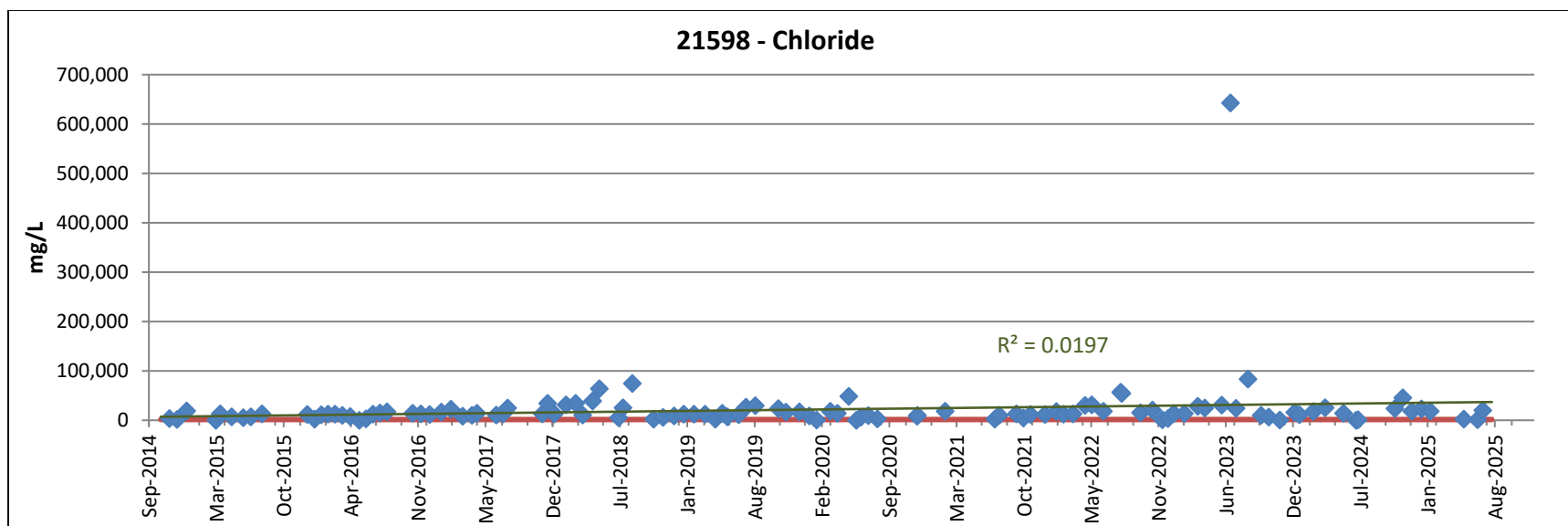
RESULTS

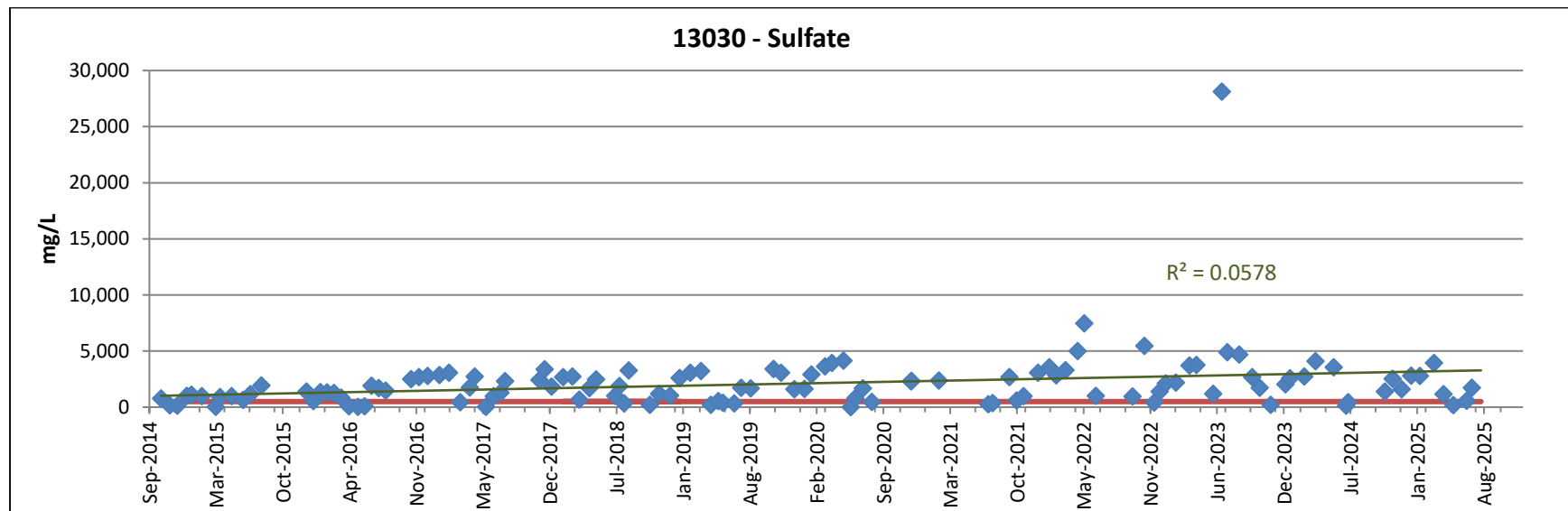
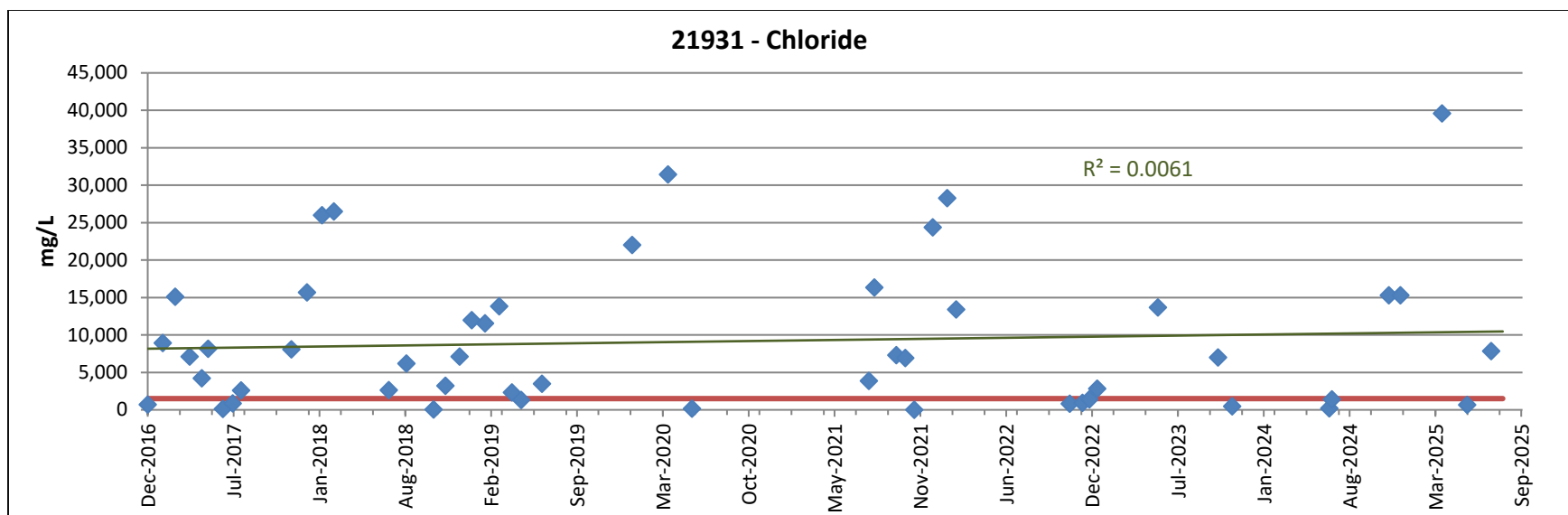
Graphs on pages 11-24 show the trend analysis for Chloride, Sulfate, and TDS through 2025 with data collected for each station since the inception of the study. Due to site changes over the first years of the study, with some site changes occurring the years of the sampling project, some sites have a larger dataset than other stations that were monitored since the beginning of the study. All trend analysis includes all data collected at those stations to date.

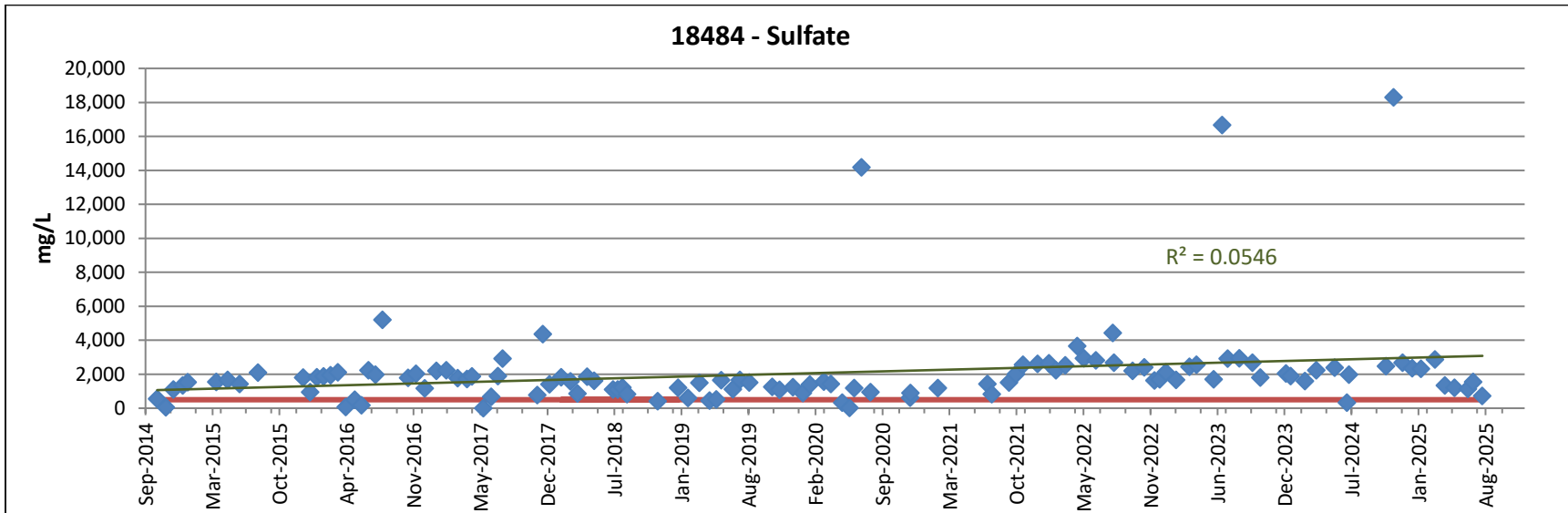
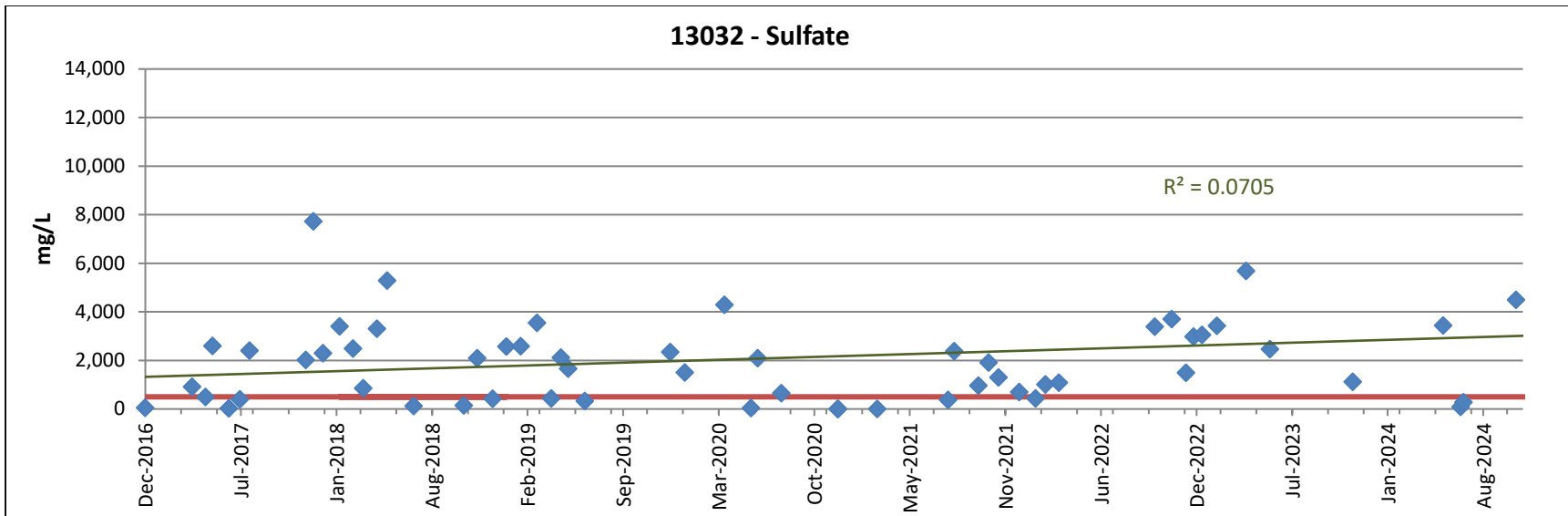


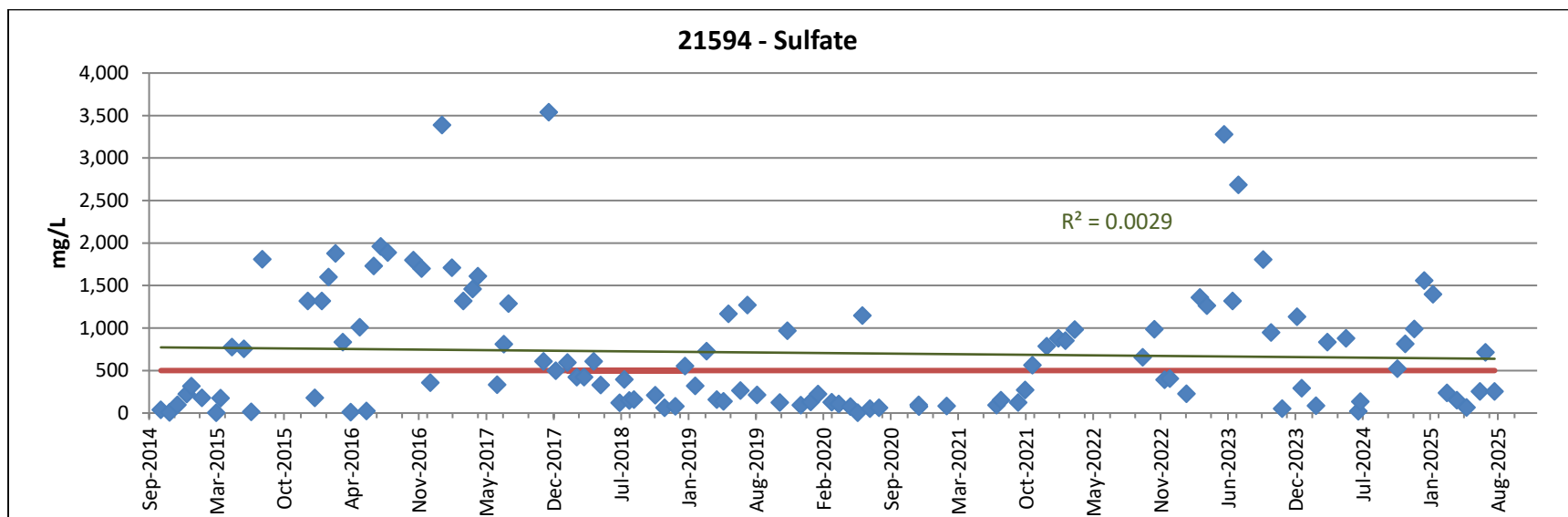
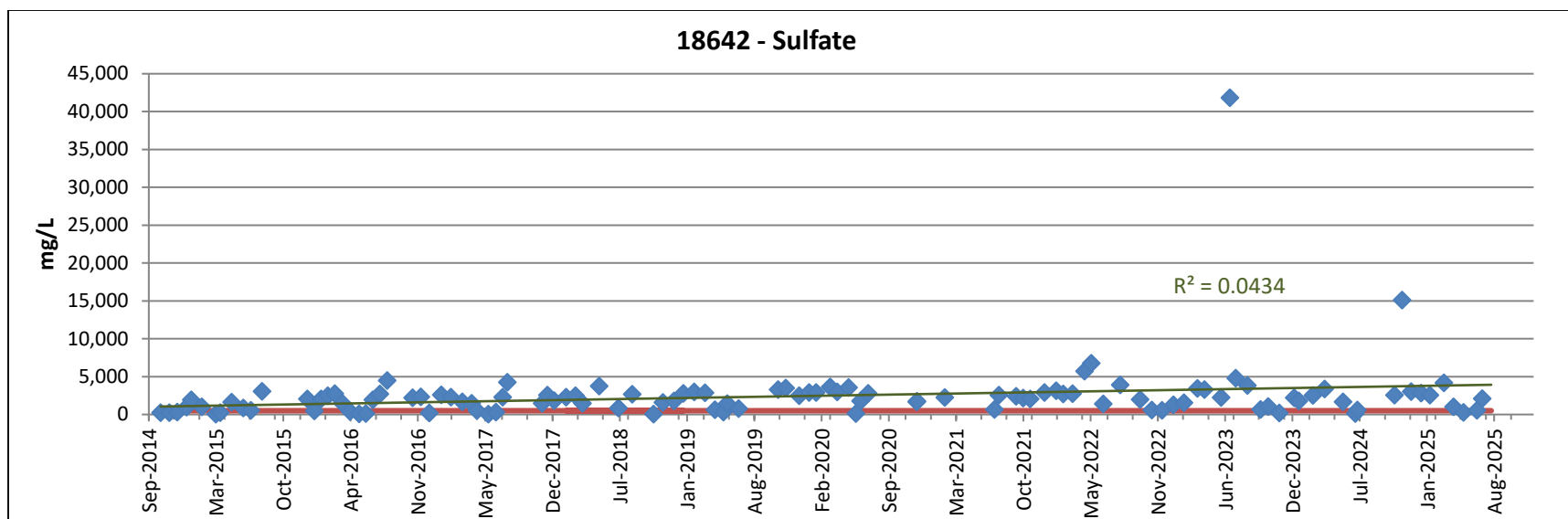


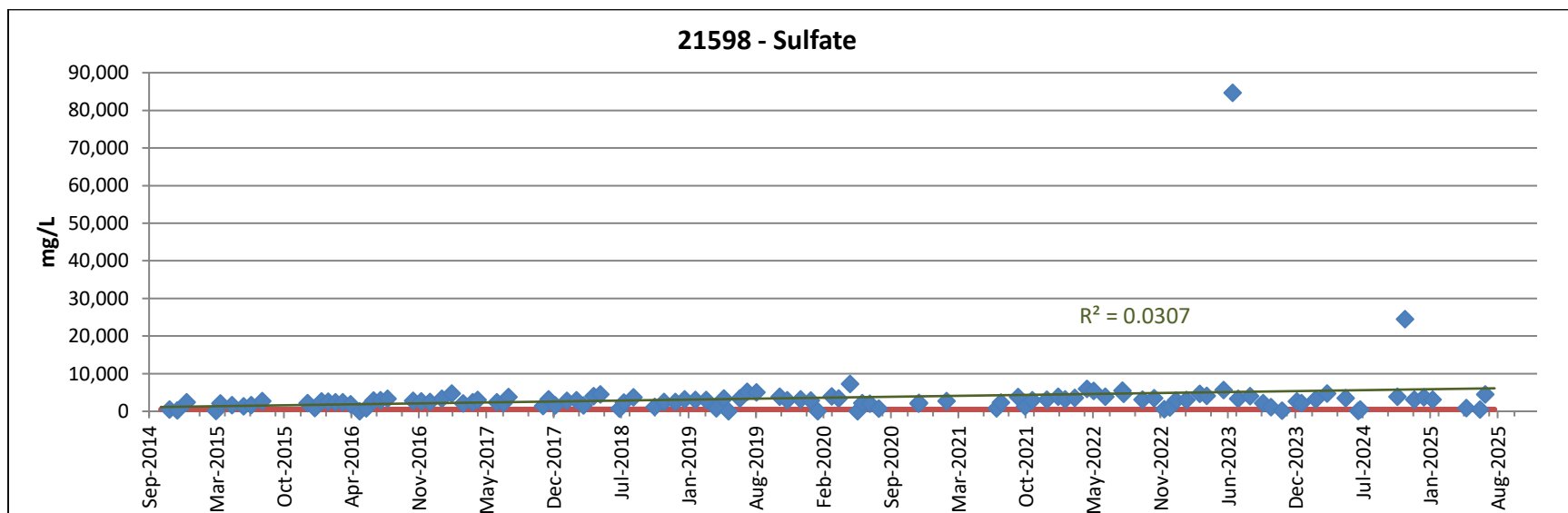
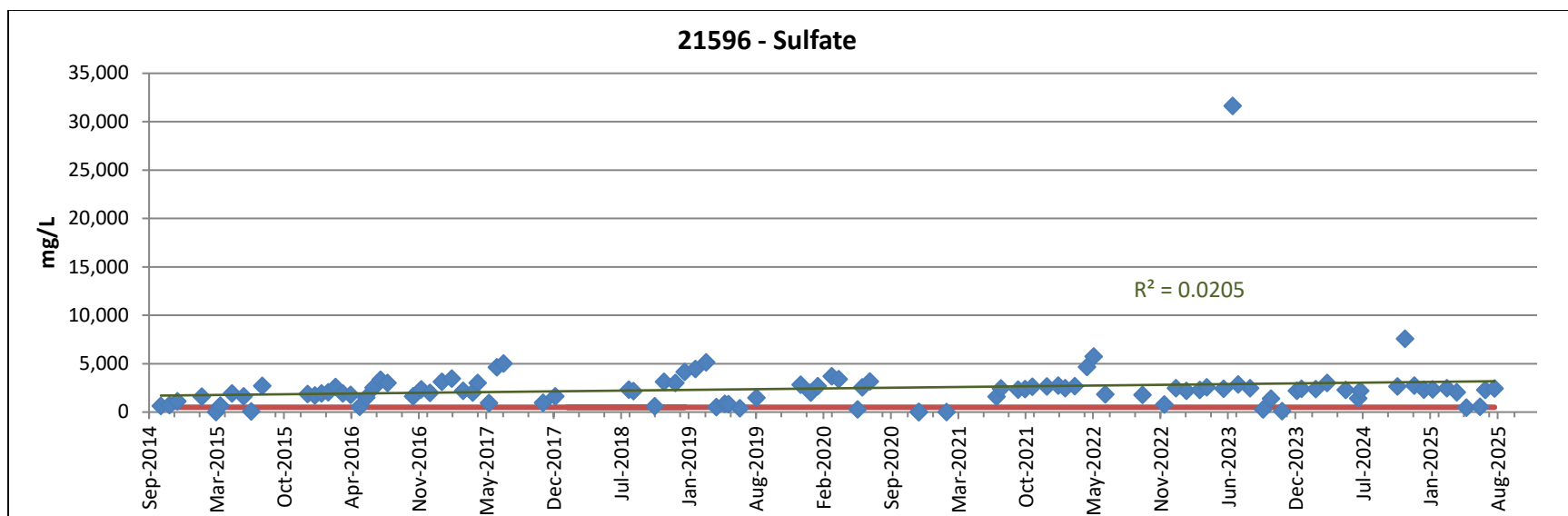


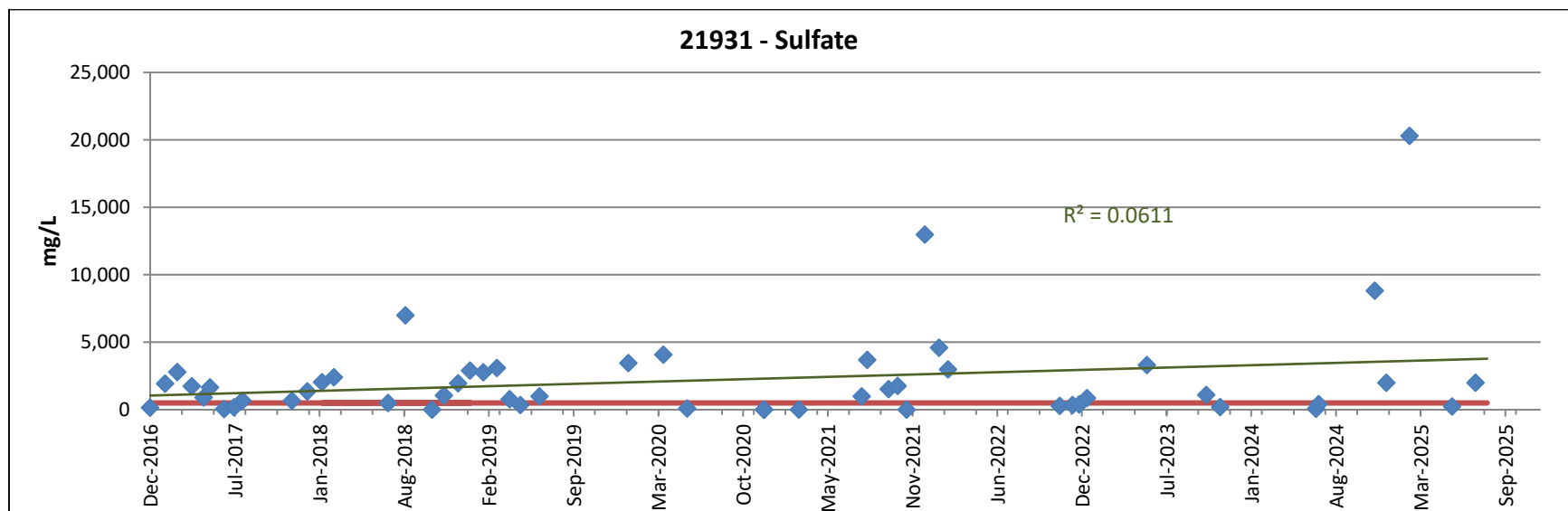
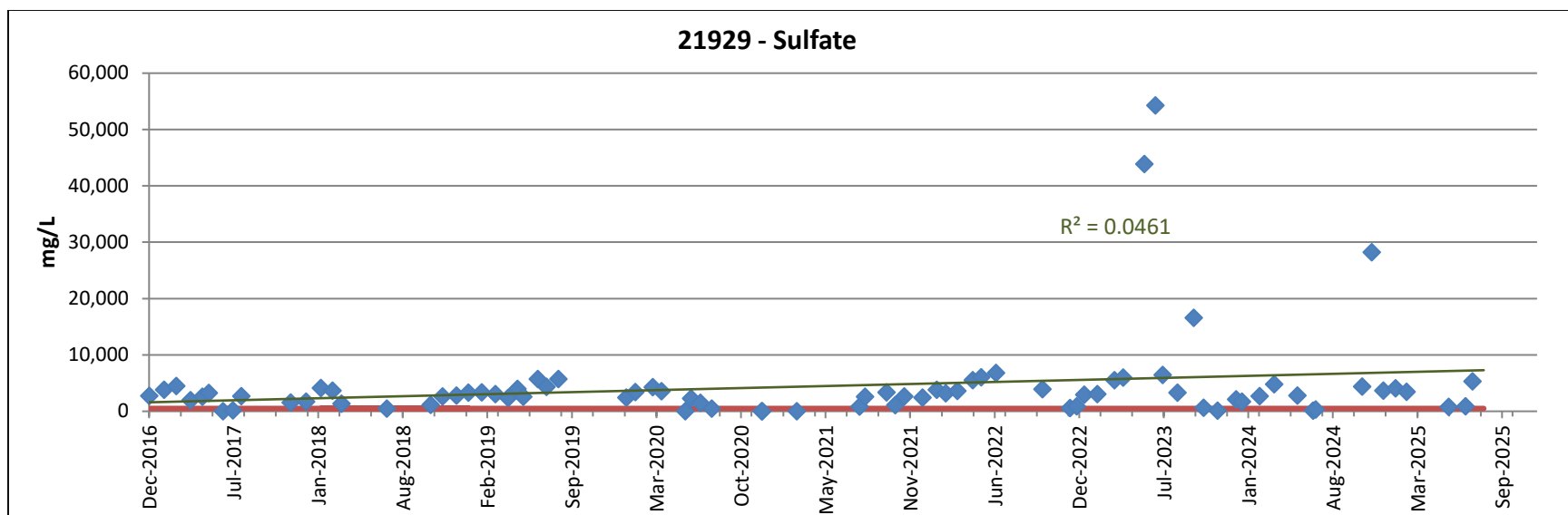


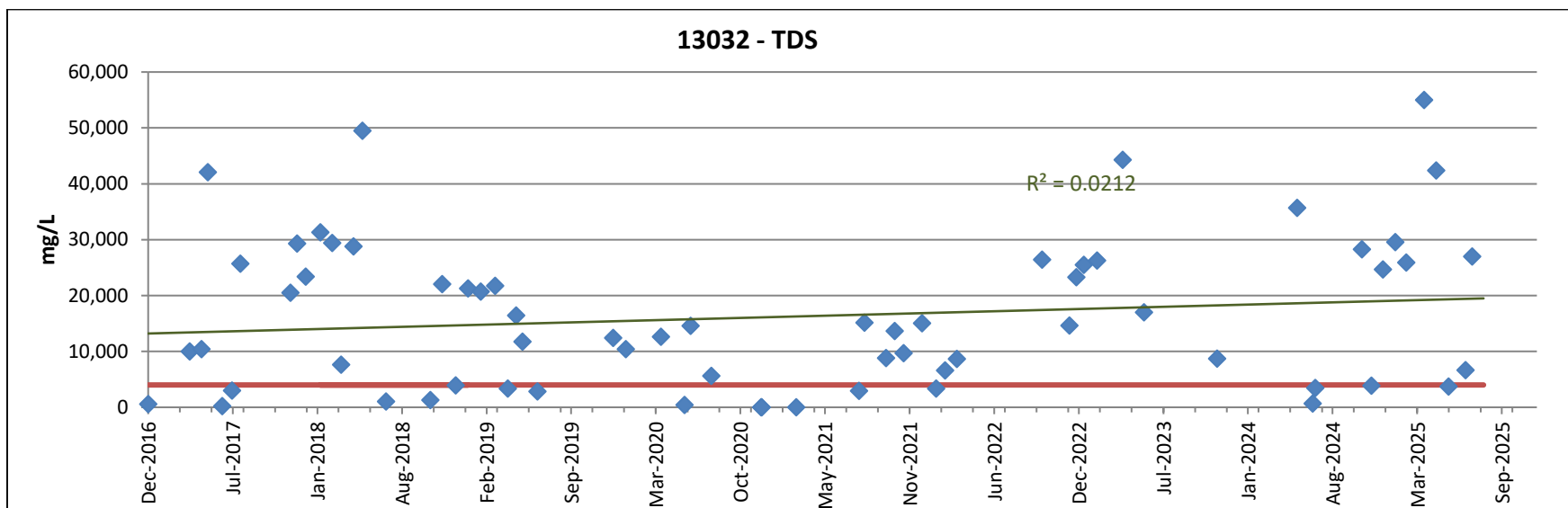
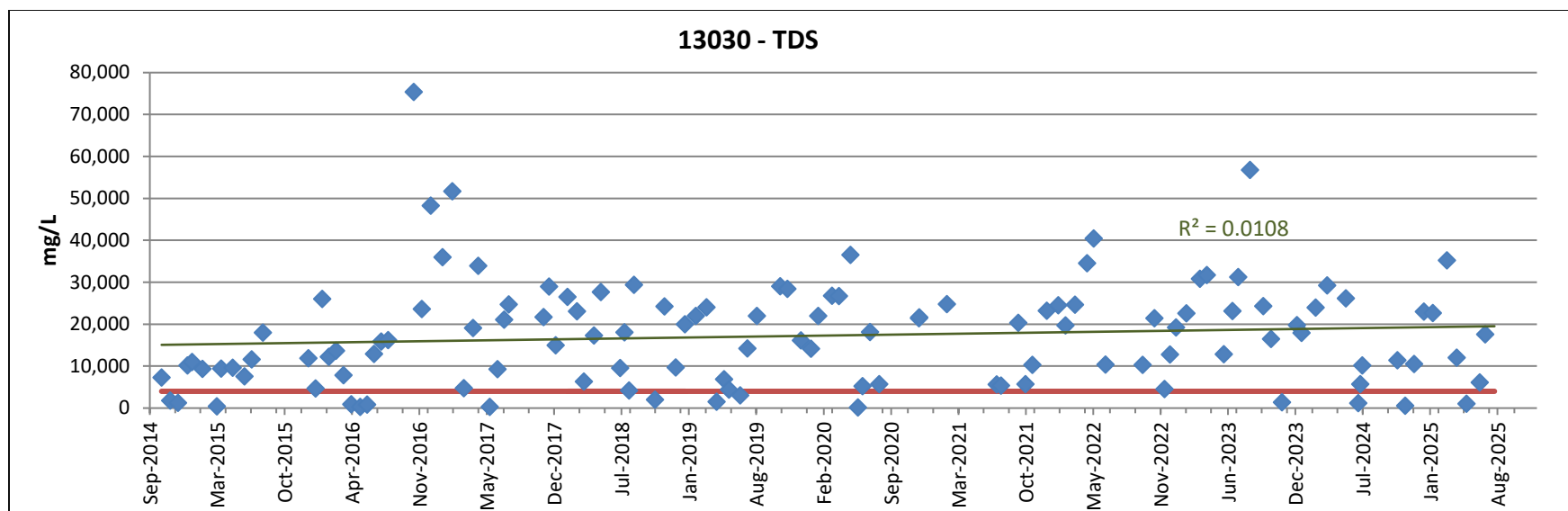


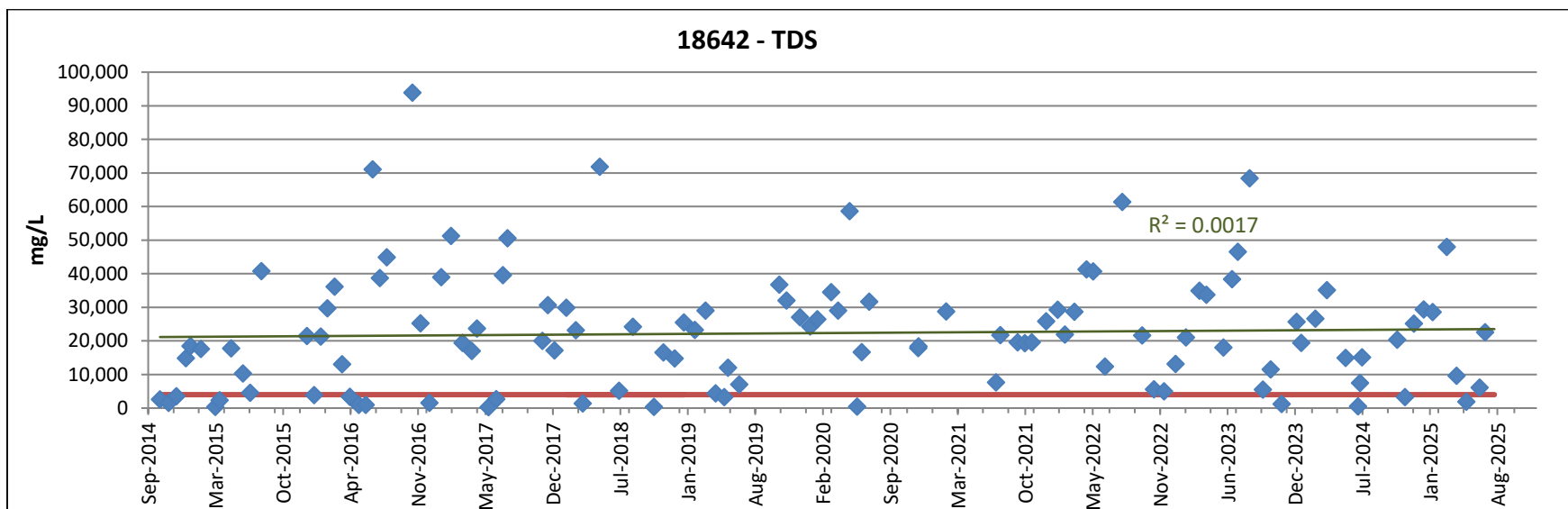
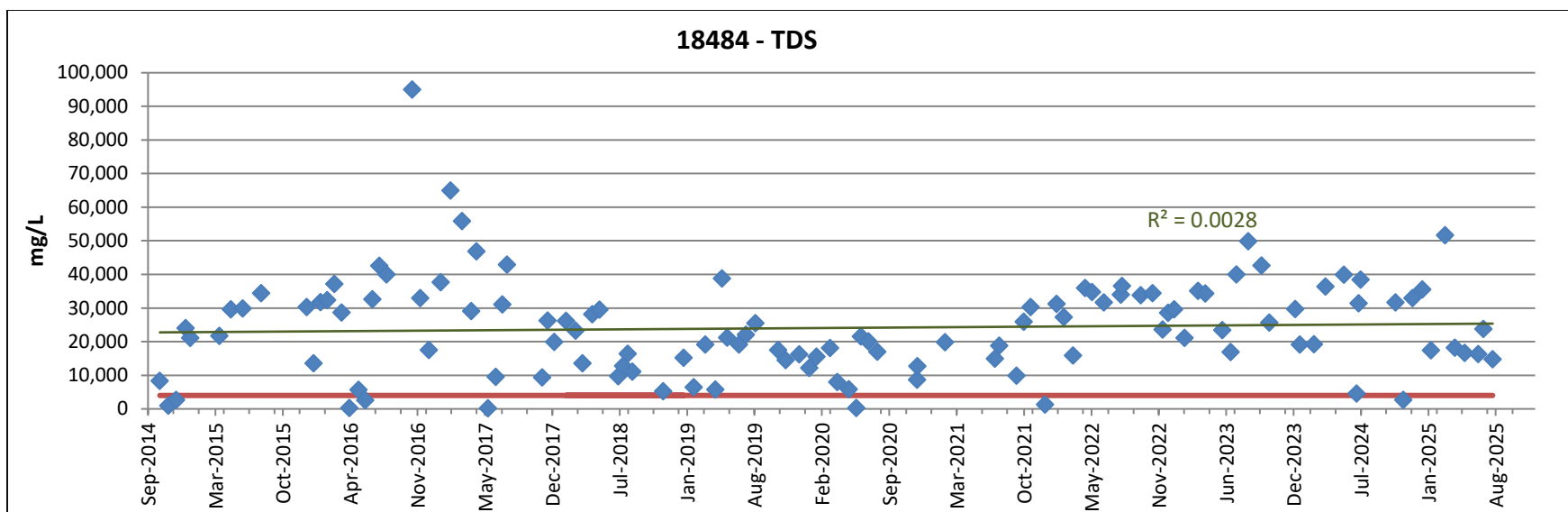


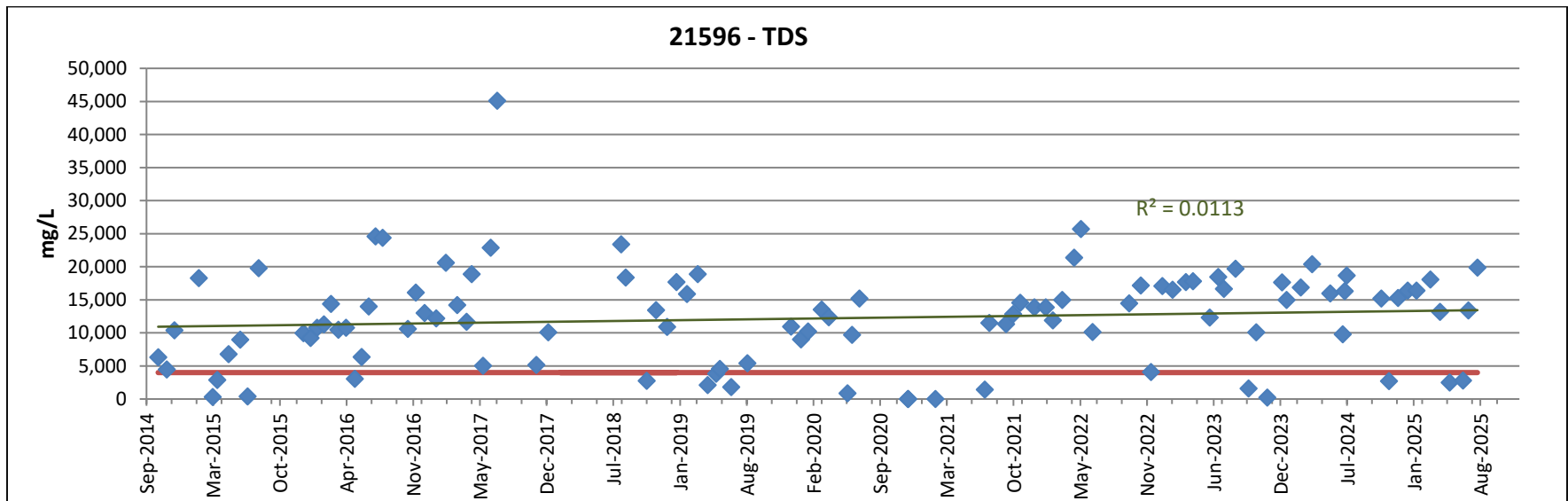
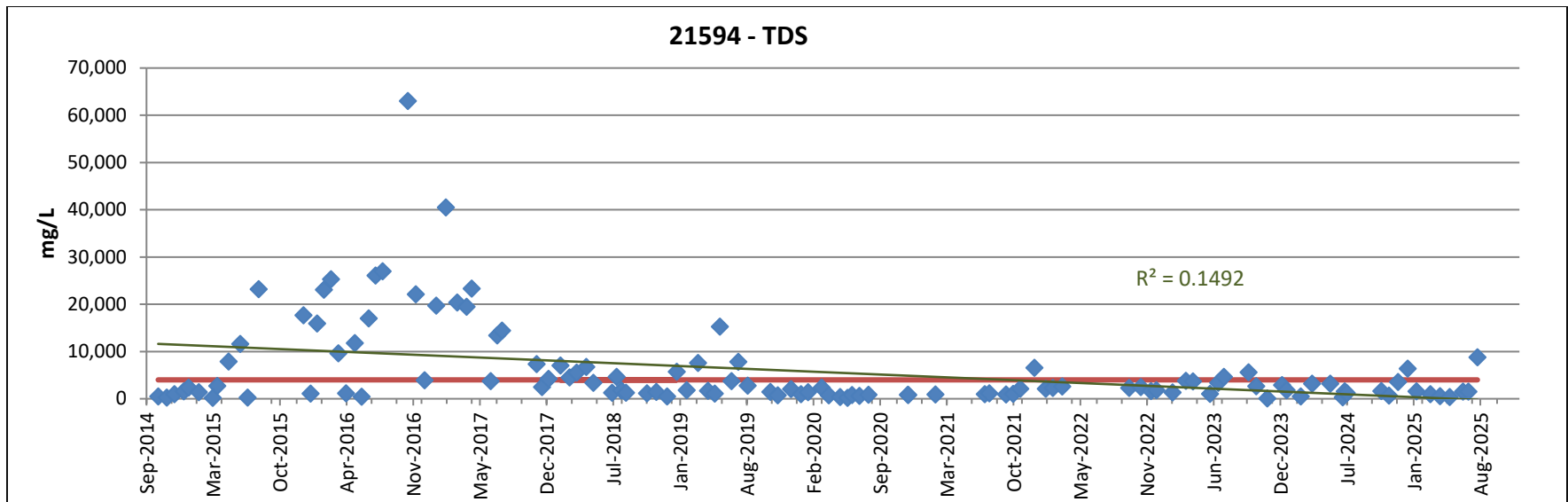


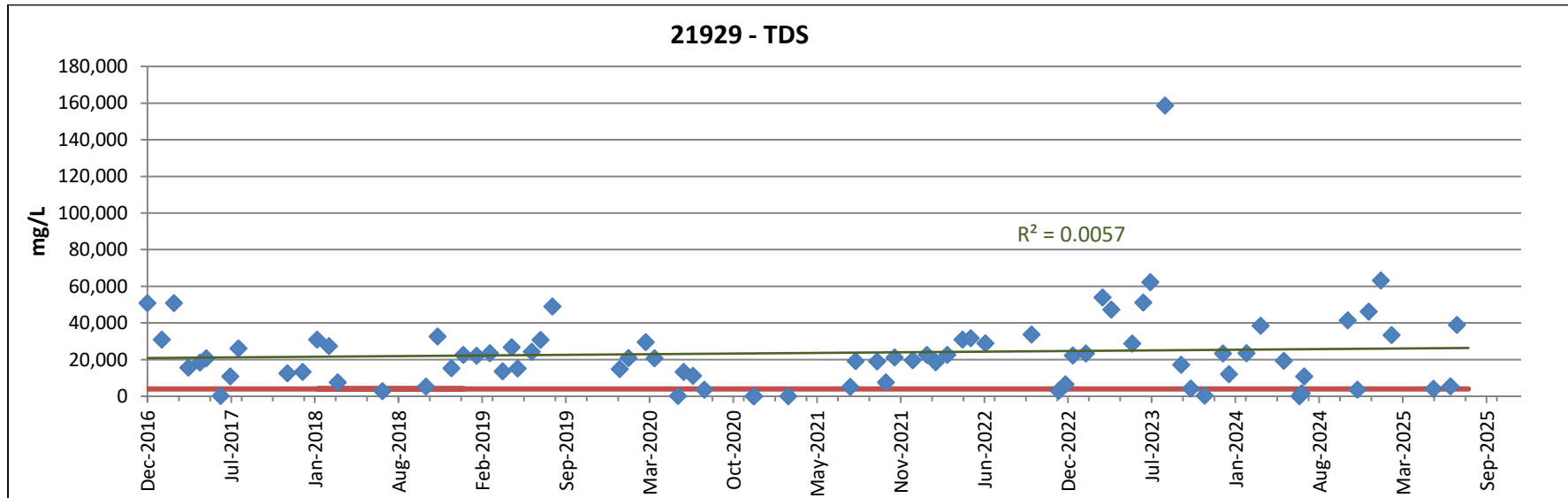
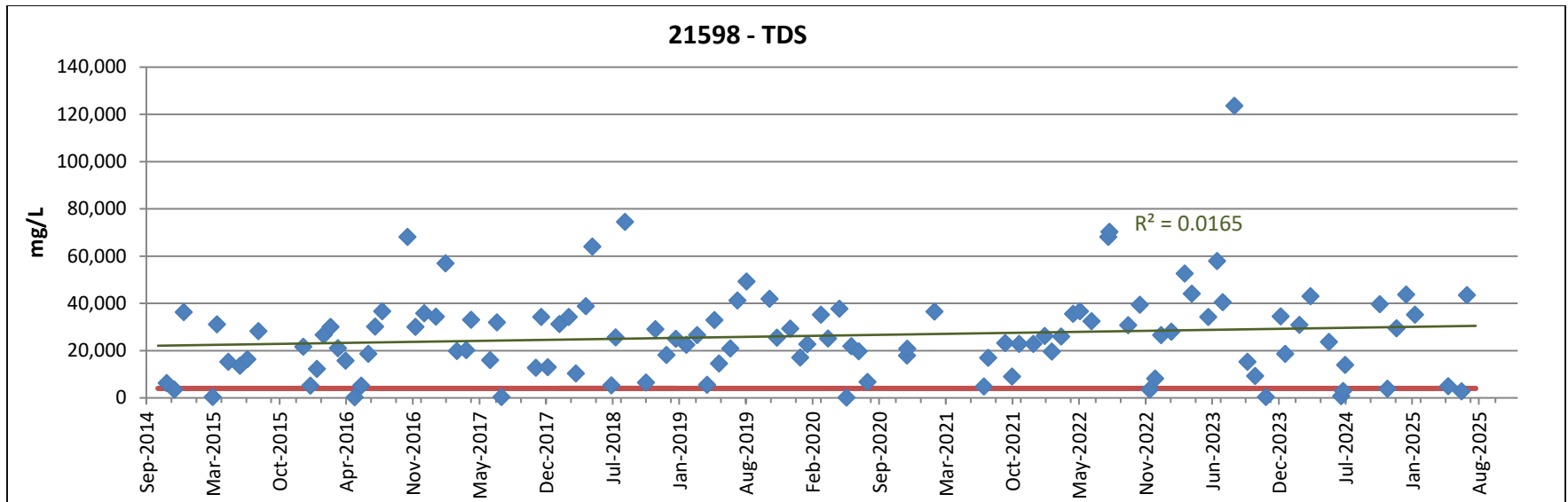


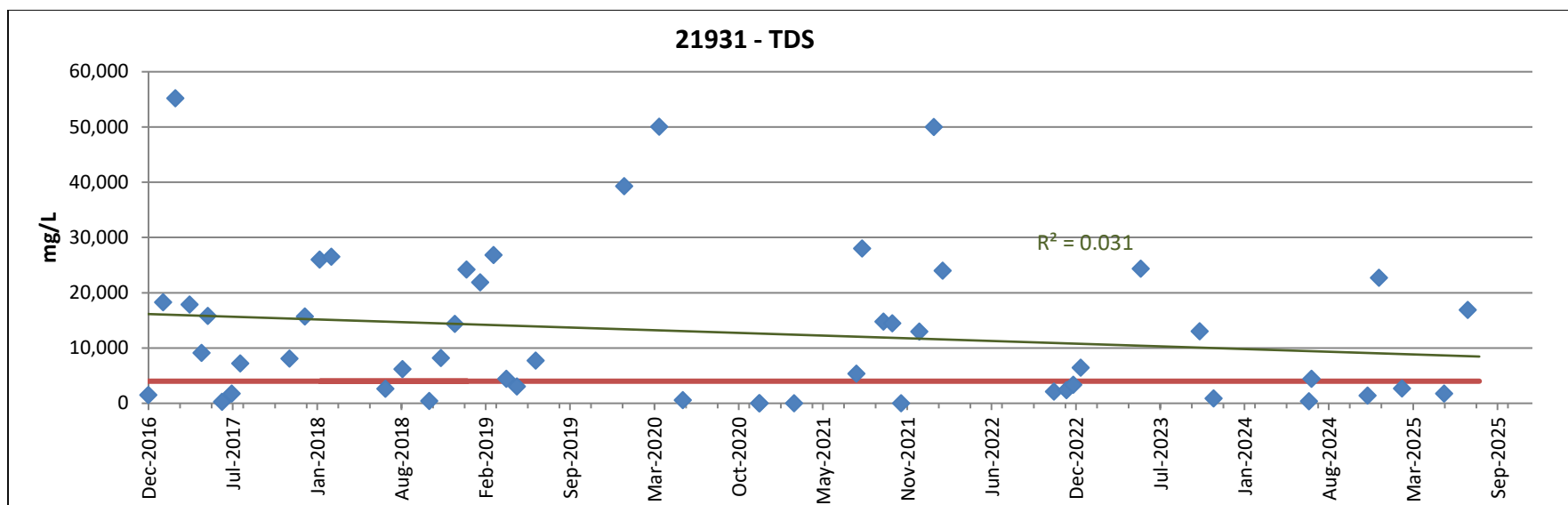












Appendix A.
Historical Chloride, Sulfate, and TDS on Main Stem Stations

Chloride			
Station	Date	GTLT	Value
13093	10/27/1971		153
13093	1/15/1972		19400
13093	4/6/1972		3080
13093	7/26/1972		424
13093	10/8/1972		1020
13093	1/30/1973		28800
13093	4/8/1973		33000
13093	7/10/1973		880
13093	10/8/1973		317
13093	1/30/1974		17790
13093	2/24/1974		23410
13093	4/15/1974		2770
13093	7/22/1974		4910
13093	10/30/1974		15280
13093	1/29/1975		5660
13093	4/3/1975		20830
13093	7/1/1975		16835
13093	10/8/1975		3848
13093	1/22/1976		18644
13093	4/27/1976		734
13093	7/19/1976		31
13093	10/25/1976		990
13093	1/20/1977		290
13093	9/6/1977		19000
13093	5/13/1979		573
13093	11/29/1979		12200
13093	11/25/1980		4620
13093	2/22/1982		5670
13093	8/19/1982		13600
13093	11/30/1982		2950
13093	9/26/1983		1810
13093	10/23/1984		62
13093	12/18/1984		7180
13093	11/5/1985		88
13093	11/24/1986		1883
13093	12/29/1987		4300
13093	1/27/2003	>	4400
13093	5/9/2003	>	6400
13093	5/9/2003	>	3300

Chloride			
Station	Date	GTLT	Value
13094	8/19/1982		25300
13094	7/9/1984		29400
13094	10/23/1984		59
13094	12/18/1984		17800
13094	11/5/1985		69
13094	11/24/1986		4500
13094	11/12/1987		6428
13094	2/9/1989		2140
13094	8/22/1989		9500
13094	2/20/1990		8880
13094	8/29/1990		293
13094	2/21/1991		3130
13094	8/8/1991		6570
13094	9/28/1992		868
13094	5/13/1993		177
13094	10/28/1993		8880
13094	4/25/1994		7180
13094	10/5/1994		7660
13094	12/7/1994		6400
13094	5/8/1995		8430
13094	6/21/1995		2520
13094	10/17/1995		5570
13094	1/24/1996		5500
13094	4/8/1996		8020
13094	7/17/1996		8440
13094	10/15/1996		4260
13094	12/17/1996		7830
13094	1/23/1997		96
13094	4/8/1997		53
13094	7/7/1997		1050
13094	11/4/1997		2940
13094	12/17/1997		5470
13094	5/5/1998		7850
13094	11/12/1998		2310
13094	1/20/1999		6990
13094	5/4/1999		6730
13094	6/23/1999		390
13094	10/7/1999		2290
13094	1/19/2000		7470

Chloride			
Station	Date	GTLT	Value
13093	7/16/2003		6600
13093	7/17/2003		6500
13093	8/13/2003		8200
13093	9/23/2003		13.8
13093	10/7/2003		750
13093	11/20/2003		3000
13093	5/6/2004		110
13093	6/8/2004		1950
13093	6/9/2004		2200
13093	10/12/2004		3000
13093	2/2/2005		8800
13093	2/8/2005		8300
13093	3/21/2005		32
13093	3/22/2005		30
13093	6/2/2005		2120
13093	9/1/2010		3720
13093	10/5/2010		838
13093	11/9/2010		4950
13093	12/7/2010		7090
13093	1/11/2011		6570
13093	2/8/2011		2220
13093	3/15/2011		5880
13093	4/12/2011		7460
13093	5/9/2011		9210
13093	6/6/2011		8230
13093	7/6/2011		9860
13093	8/10/2011		9910
13093	10/6/2011		1250
13093	11/9/2011		4980
13093	12/8/2011		7420
13093	1/10/2012		8630
13093	2/8/2012		7720
13093	3/20/2012		3810
13093	4/10/2012		2400
13093	5/8/2012		2320
13093	6/13/2012		1380
13093	7/17/2012		4500
13093	8/13/2012		6070
13093	9/12/2012		7360

Chloride			
Station	Date	GTLT	Value
13094	5/9/2000		6630
13094	8/10/2000		10100
13094	10/24/2000		5410
13094	2/22/2001		8020
13094	5/22/2001		8740
13094	6/25/2001		8830
13094	10/30/2001		7240
13094	2/12/2002		9350
13094	5/1/2002		8960
13094	8/8/2002		1150
13094	12/18/2002		350
13094	1/27/2003	>	4800
13094	3/6/2003		2120
13094	5/9/2003	>	11200
13094	5/21/2003		7980
13094	7/16/2003		10100
13094	7/17/2003		7900
13094	7/23/2003		8100
13094	8/13/2003		9800
13094	9/23/2003		8.5
13094	10/2/2003		651
13094	10/7/2003		1700
13094	11/20/2003		5800
13094	1/6/2004		7010
13094	3/8/2004		4220
13094	5/6/2004		80
13094	5/24/2004		415
13094	6/8/2004		4700
13094	6/9/2004		4900
13094	9/15/2004		1180
13094	10/12/2004		7900
13094	2/2/2005		8400
13094	2/8/2005		8800
13094	2/17/2005		7850
13094	3/21/2005		17
13094	3/22/2005		16
13094	4/25/2005		7100
13094	6/2/2005		580
13094	6/3/2005		270

Chloride			
Station	Date	GTLT	Value
13093	10/9/2012		8070
13093	11/28/2012		9190
13093	12/19/2012		7950
13093	1/22/2013		10600
13093	2/14/2013		8140
13093	3/19/2013		7720
13093	4/24/2013		12900
13093	5/15/2013		242
13093	6/6/2013		1680
13093	7/29/2013		4870
13093	8/21/2013		6960
13093	9/25/2013		256
13093	10/23/2013		2250
13093	11/13/2013		2580
13093	12/11/2013		1780
13093	1/14/2014		4130
13093	2/13/2014		6150
13093	3/17/2014		8020
13093	4/23/2014		7660
13093	5/14/2014		94.9
13093	6/18/2014		675
13093	7/16/2014		1850
13093	8/13/2014		1960
13093	9/17/2014		89.1
13093	10/22/2014		1360
13093	11/12/2014		647
13093	12/16/2014		1610
13093	1/12/2015		4240
13093	2/2/2015		5200
13093	3/17/2015		590
13093	4/27/2015		11
13093	5/11/2015		1360
13093	6/9/2015		706
13093	7/8/2015		1270
13093	8/3/2015		4460
13093	10/1/2015		4250
13093	10/26/2015		829
13093	11/17/2015		474
13093	12/15/2015		4120

Chloride			
Station	Date	GTLT	Value
13094	6/22/2005		6910
13094	9/15/2005		3420
13094	12/14/2005		7320
13094	5/4/2006		8240
13094	8/1/2006		7880
13094	10/23/2006		3880
13094	12/6/2006		8460
13094	5/22/2007		7900
13094	6/21/2007		4810
13094	9/25/2007		1010
13094	1/17/2008		8180
13094	3/27/2008		6870
13094	6/26/2008		9640
13094	11/19/2008		7490
13094	1/13/2009		9590
13094	4/6/2009		8540
13094	8/12/2009		10300
13094	11/23/2009		2410
13094	2/18/2010		628
13094	8/18/2010		5720
13094	9/1/2010		7580
13094	10/5/2010		1090
13094	11/9/2010		7030
13094	12/7/2010		8020
13094	1/11/2011		4870
13094	2/8/2011		3460
13094	3/15/2011		6380
13094	4/12/2011		9660
13094	5/9/2011		6970
13094	6/6/2011		8790
13094	7/6/2011		9970
13094	8/10/2011		8840
13094	10/6/2011		2900
13094	11/9/2011		7920
13094	12/8/2011		8210
13094	1/10/2012		8080
13094	2/8/2012		74.3
13094	3/20/2012		6660
13094	4/10/2012		3540

Chloride			
Station	Date	GTLT	Value
13093	1/12/2016		3300
13093	2/9/2016		4810
13093	3/23/2016		432
13093	4/13/2016		4550
13093	5/25/2016		1060
13093	6/21/2016		2330
13093	7/12/2016		6000
13093	8/11/2016		8360
13093	9/6/2016		1950
13093	10/17/2016		1840
13093	11/8/2016		4460
13093	12/7/2016		22.3
13093	1/18/2017		4650
13093	2/16/2017		7390
13093	3/22/2017		1680
13093	4/24/2017		4440
13093	5/10/2017		7030
13093	6/22/2017		2160
13093	7/18/2017		2560
13093	8/7/2017		5250
13093	11/13/2017		6580
13093	11/15/2017		6410
13093	11/29/2017		6540
13093	12/19/2017		6660
13093	1/23/2018		8600
13093	2/6/2018		7860
13093	2/20/2018		7470
13093	3/13/2018		1810
13093	4/11/2018		3800
13093	5/2/2018		6470
13093	6/28/2018		59.9
13093	7/11/2018		586
13093	7/25/2018		8108
13093	8/7/2018		3889
13093	10/10/2018		901
13093	11/7/2018		1428
13093	12/10/2018		3000
13093	1/7/2019		3046
13093	2/8/2019		5941

Chloride			
Station	Date	GTLT	Value
13094	5/8/2012		4690
13094	6/13/2012		7130
13094	7/17/2012		5420
13094	8/13/2012		7850
13094	9/12/2012		7750
13094	10/9/2012		7200
13094	11/28/2012		5320
13094	12/19/2012		7420
13094	1/22/2013		8110
13094	2/14/2013		7540
13094	3/19/2013		7940
13094	4/24/2013		8830
13094	5/15/2013		1620
13094	6/6/2013		6020
13094	7/29/2013		6100
13094	8/21/2013		8140
13094	9/25/2013		512
13094	10/23/2013		823
13094	10/23/2013		5590
13094	12/11/2013		5910
13094	1/14/2014		6980
13094	2/13/2014		6000
13094	3/17/2014		7580
13094	4/23/2014		6870
13094	5/14/2014		310
13094	6/18/2014		3450
13094	7/16/2014		6960
13094	8/13/2014		6120
13094	9/17/2014		31.4
13094	10/22/2014		4500
13094	11/12/2014		2170
13094	12/16/2014		3320
13094	1/12/2015		5400
13094	2/2/2015		6100
13094	3/17/2015		804
13094	4/27/2015	<	5
13094	5/11/2015		2660
13094	6/9/2015		745
13094	7/8/2015		2140

Chloride			
Station	Date	GTLT	Value
13093	3/12/2019		6224
13093	4/11/2019		398
13093	5/6/2019		2250
13093	5/17/2019		469
13093	6/20/2019		659
13093	7/11/2019		2619
13093	8/9/2019		5927
13093	10/16/2019		7656
13093	11/7/2019		10096
13093	12/17/2019		5615
13093	1/16/2020		3262
13093	2/6/2020		6529
13093	3/18/2020		7937
13093	4/8/2020		8981
13093	5/12/2020		9328
13093	6/3/2020		34
13093	6/17/2020		666
13093	7/9/2020		3681
13093	8/5/2020		1723
13093	12/1/2020		6318
13093	12/2/2020		6016
13093	1/29/2021		6408
13093	2/22/2021		7253
13093	7/20/2021		533
13093	8/2/2021		1282
13093	9/22/2021		4613
13093	10/13/2021		847
13093	11/3/2021		2000
13093	12/16/2021		3872
13093	1/19/2022		6466
13093	2/9/2022		7767
13093	3/9/2022		7797
13093	4/14/2022		12363
13093	5/4/2022		18134
13093	6/8/2022		1718
13093	7/29/2022		7976
13093	8/1/2022		8562
13093	9/26/2022		1527
13093	10/31/2022		10030

Chloride			
Station	Date	GTLT	Value
13094	8/3/2015		6800
13094	10/1/2015		7590
13094	10/26/2015		1480
13094	11/17/2015		780
13094	12/15/2015		6490
13094	1/12/2016		2750
13094	2/9/2016		6320
13094	3/23/2016		636
13094	4/13/2016		6600
13094	5/25/2016		3880
13094	6/21/2016		4730
13094	7/12/2016		9440
13094	8/11/2016		8720
13094	9/6/2016		2870
13094	10/17/2016		4260
13094	11/8/2016		5880
13094	12/7/2016		12.2
13094	1/18/2017		6660
13094	2/16/2017		6880
13094	3/22/2017		4520
13094	4/24/2017		7130
13094	5/10/2017		8900
13094	6/22/2017		6390
13094	7/18/2017		8980
13094	8/7/2017		8770
13094	11/14/2017		3230
13094	11/15/2017		3640
13094	11/30/2017		16800
13094	12/20/2017		6660
13094	1/24/2018		8660
13094	2/6/2018		6050
13094	2/21/2018		7610
13094	3/14/2018		2620
13094	4/11/2018		7470
13094	5/3/2018		8190
13094	6/28/2018		38.7
13094	7/12/2018		970
13094	7/26/2018		4884
13094	8/7/2018		10690

Chloride			
Station	Date	GTLT	Value
13093	11/30/2022		2615
13093	12/16/2022		4047
13093	1/3/2023		5060
13093	2/3/2023		7450
13093	3/15/2023		8618.32
13093	4/5/2023		12726
13093	5/25/2023		1545
13093	6/20/2023		54146
13093	7/7/2023		5759
13093	8/11/2023		2576
13093	9/19/2023		1908.82
13093	10/12/2023		4506
13093	11/14/2023		3974
13093	12/28/2023		6198
13093	1/11/2024		8384
13093	2/22/2024		2620
13093	3/27/2024		8038
13093	5/21/2024		7530
13093	6/28/2024		100.2
13093	10/21/2024		3380
13093	12/10/2024		4670
13093	1/8/2025		7250
13093	2/3/2025		7770
13093	3/17/2025		8850
13093	4/15/2025		1680
13093	5/13/2025		345
13093	6/23/2025		392
13093	7/9/2025		1860
13093	8/5/2025		4210

Chloride			
Station	Date	GTLT	Value
13094	10/30/2018		1065
13094	11/8/2018		2745
13094	12/10/2018		2190
13094	1/24/2019		5136
13094	2/7/2019		5854
13094	3/13/2019		6154
13094	4/9/2019		209
13094	5/2/2019		3073
13094	5/17/2019		669
13094	6/21/2019		3619
13094	7/10/2019		11236
13094	8/9/2019		8160
13094	10/16/2019		6778
13094	11/7/2019		6330
13094	12/17/2019		5770
13094	1/15/2020		5726
13094	2/6/2020		7100
13094	3/18/2020		7003
13094	4/9/2020		6656
13094	5/12/2020		1836
13094	6/3/2020		25
13094	6/17/2020		2337
13094	7/8/2020		1554
13094	8/5/2020		1686
13094	12/1/2020		6086
13094	12/2/2020		6465
13094	1/29/2021		6022
13094	2/22/2021		6242
13094	7/12/2021		4.1
13094	8/2/2021		1759
13094	9/22/2021		5516
13094	10/12/2021		5057
13094	11/3/2021		6306
13094	12/16/2021		6685
13094	1/19/2022		6860
13094	1/20/2022		7409
13094	2/9/2022		7178
13094	3/9/2022		6503
13094	4/13/2022		11204

Chloride			
Station	Date	GTLT	Value

Chloride			
Station	Date	GTLT	Value
13094	5/4/2022		15176
13094	6/8/2022		8772
13094	7/7/2022		9160
13094	8/1/2022		8983
13094	9/26/2022		3550
13094	10/25/2022		15925
13094	11/30/2022		3449
13094	1/12/2023		214
13094	2/3/2023		8260
13094	3/15/2023		8632.56
13094	5/25/2023		1324
13094	6/20/2023		98141
13094	7/5/2023		8072
13094	8/11/2023		9443
13094	9/19/2023		5437.51
13094	10/27/2023		9689
13094	11/14/2023		775
13094	12/28/2023		7290
13094	1/10/2024		4513
13094	2/22/2024		4748
13094	3/27/2024		3953
13094	4/23/2024		2334
13094	5/21/2024		7871
13094	6/28/2024		90.5
13094	7/29/2024		49.5
13094	11/13/2024		13900
13094	12/10/2024		7640
13094	2/3/2025		7460
13094	3/17/2025		8110
13094	4/16/2025		7780
13094	5/14/2025		940
13094	6/23/2025		759
13094	7/7/2025		5400
13094	8/5/2025		8080

Chloride			
Station	Date	GTLT	Value
13095	10/6/2014		350
13095	11/1/2014		738
13095	11/24/2014		4130
13095	12/22/2014		3840
13095	1/5/2015		5210
13095	2/5/2015		4480
13095	3/19/2015		10.9
13095	4/1/2015		736
13095	5/5/2015		891
13095	6/9/2015		582
13095	7/1/2015		564
13095	8/3/2015		5400
13095	12/16/2015		5550
13095	1/6/2016		1690
13095	1/26/2016		3420
13095	2/15/2016		5760
13095	3/7/2016		6480
13095	3/29/2016		2550
13095	4/21/2016		198
13095	5/18/2016		2630
13095	6/7/2016		573
13095	6/28/2016		6930
13095	7/19/2016		9010
13095	8/9/2016		8230
13095	10/24/2016		4560
13095	11/17/2016		6030
13095	12/13/2016		286
13095	1/17/2017		5050
13095	2/15/2017		6240
13095	3/21/2017		3270
13095	4/18/2017		4610
13095	5/3/2017		6600
13095	6/6/2017		200
13095	6/29/2017		4980
13095	7/19/2017		7350
13095	8/2/2017		9180
13095	11/13/2017		4500
13095	11/29/2017		14800
13095	12/19/2017		12500

Chloride			
Station	Date	GTLT	Value
13096	8/19/1982		32700
13096	12/18/1984		28100
13096	10/17/1995		2560
13096	1/24/1996		3480
13096	4/8/1996		650
13096	7/17/1996		8460
13096	1/27/2003	>	3800
13096	1/27/2003	>	3700
13096	5/9/2003	>	10600
13096	7/17/2003		5900
13096	8/12/2003		11000
13096	9/23/2003		6.5
13096	10/7/2003		900
13096	11/20/2003		4600
13096	5/6/2004		40
13096	6/8/2004		3300
13096	6/9/2004		3900
13096	10/11/2004		990
13096	2/2/2005		7400
13096	2/8/2005		7300
13096	3/21/2005		8
13096	3/22/2005		9
13096	6/2/2005		90
13096	6/3/2005		110
13096	9/15/2005		3400
13096	12/14/2005		8030
13096	5/4/2006		6570
13096	8/1/2006		7430
13096	10/23/2006		2580
13096	12/6/2006		7460
13096	5/22/2007		7020
13096	6/21/2007		2790
13096	6/21/2007		2720
13096	9/25/2007		455
13096	1/17/2008		7960
13096	3/27/2008		5740
13096	8/18/2008		3990
13096	11/19/2008		5880
13096	1/13/2009		8100

Chloride			
Station	Date	GTLT	Value
13095	1/23/2018		14800
13095	2/20/2018		14800
13095	3/13/2018		4750
13095	4/12/2018		15600
13095	5/2/2018		16400
13095	6/28/2018		302
13095	7/11/2018		1930
13095	7/25/2018		9180
13095	8/8/2018		12500
13095	10/10/2018		854
13095	11/7/2018		2901
13095	12/10/2018		1720
13095	1/7/2019		3845
13095	2/7/2019		5099
13095	3/12/2019		11099
13095	4/11/2019		557
13095	5/2/2019		2422
13095	5/17/2019		528
13095	6/20/2019		1459
13095	7/11/2019		7641
13095	8/8/2019		7901
13095	10/16/2019		5971
13095	11/7/2019		5349
13095	12/17/2019		4928
13095	1/16/2020		5623
13095	2/6/2020		6422
13095	3/18/2020		6338
13095	4/8/2020		7334
13095	5/12/2020		1387
13095	6/3/2020		25
13095	6/17/2020		1305
13095	7/9/2020		1229
13095	8/5/2020		1159
13095	12/1/2020		5556
13095	12/2/2020		5927
13095	2/22/2021		4796
13095	7/20/2021		593
13095	8/2/2021		1480
13095	9/22/2021		5724

Chloride			
Station	Date	GTLT	Value
13096	4/6/2009		9910
13096	8/12/2009		15700
13096	11/23/2009		1220
13096	2/18/2010		346
13096	8/18/2010		4830
13096	9/1/2010		7970
13096	10/5/2010		536
13096	11/9/2010		6440
13096	12/7/2010		7510
13096	1/11/2011		1290
13096	2/8/2011		2310
13096	3/15/2011		5220
13096	4/12/2011		7420
13096	5/9/2011		8950
13096	6/6/2011		9320
13096	7/6/2011		9640
13096	8/10/2011		10100
13096	10/6/2011		1350
13096	11/9/2011		8570
13096	12/8/2011		8230
13096	1/10/2012		8110
13096	2/8/2012		21.6
13096	3/20/2012		4490
13096	4/10/2012		1580
13096	5/8/2012		2800
13096	6/13/2012		3870
13096	7/17/2012		6180
13096	8/13/2012		7870
13096	9/12/2012		8800
13096	10/9/2012		6770
13096	11/28/2012		7500
13096	12/19/2012		6790
13096	1/22/2013		11700
13096	2/14/2013		6470
13096	3/19/2013		7140
13096	4/24/2013		7990
13096	5/15/2013		578
13096	6/6/2013		4050
13096	7/29/2013		3240

Chloride			
Station	Date	GTLT	Value
13095	10/13/2021		5380
13095	11/3/2021		6338
13095	12/16/2021		6183
13095	1/19/2022		6933
13095	2/9/2022		6541
13095	3/9/2022		6715
13095	4/14/2022		11215
13095	5/4/2022		14673
13095	6/8/2022		8180
13095	7/29/2022		7977
13095	8/1/2022		7424
13095	9/26/2022		3706
13095	10/31/2022		7003
13095	11/30/2022		2928
13095	12/16/2022		5001
13095	1/3/2023		6754
13095	2/3/2023		5845
13095	3/15/2023		7438.28
13095	4/5/2023		7736
13095	5/25/2023		1110
13095	5/26/2023		
13095	6/20/2023		87447
13095	7/7/2023		13720
13095	8/11/2023		9113
13095	9/19/2023		5555.94
13095	10/12/2023		4978
13095	11/14/2023		546
13095	12/28/2023		6505
13095	1/11/2024		3996
13095	2/22/2024		3707
13095	3/27/2024		3067
13095	5/21/2024		6842
13095	6/27/2024		81.38
13095	7/3/2024		540.04
13095	10/21/2024		6700
13095	11/13/2024		11900
13095	12/10/2024		7320
13095	1/8/2025		6880
13095	2/3/2025		6800

Chloride			
Station	Date	GTLT	Value
13096	8/21/2013		6640
13096	9/25/2013		253
13096	10/23/2013		652
13096	11/13/2013		5950
13096	12/11/2013		3550
13096	1/14/2014		5660
13096	2/13/2014		5750
13096	3/17/2014		4560
13096	4/23/2014		5880
13096	5/14/2014		496
13096	6/18/2014		1020
13096	7/16/2014		4330
13096	8/13/2014		4560
13096	9/17/2014		11
13096	10/22/2014		2020
13096	11/12/2014		1230
13096	12/16/2014		1580
13096	1/12/2015		4470
13096	2/2/2015		4250
13096	3/17/2015		422
13096	4/27/2015		5
13096	5/11/2015		1840
13096	6/9/2015		463
13096	7/8/2015		1300
13096	8/3/2015		6340
13096	10/1/2015		7340
13096	10/26/2015		2430
13096	11/17/2015		444
13096	12/15/2015		6380
13096	1/12/2016		1450
13096	2/9/2016		5930
13096	3/23/2016		456
13096	4/13/2016		6410
13096	5/25/2016		4500
13096	6/21/2016		4260
13096	7/12/2016		14600
13096	8/11/2016		9420
13096	9/6/2016		1810
13096	10/17/2016		2680

Chloride			
Station	Date	GTLT	Value
13095	3/17/2025		7300
13095	4/15/2025		7370
13095	5/14/2025		724
13095	6/23/2025		1190
13095	7/9/2025		4460
13095	8/5/2025		7180

Chloride			
Station	Date	GTLT	Value
13096	11/8/2016		2400
13096	12/7/2016		11.7
13096	1/18/2017		5080
13096	2/16/2017		5960
13096	3/22/2017		3070
13096	4/24/2017		6410
13096	5/10/2017		9040
13096	6/22/2017		5860
13096	7/18/2017		7470
13096	8/7/2017		7970
13096	11/14/2017		3110
13096	11/15/2017		4470
13096	11/30/2017		17700
13096	12/20/2017		6410
13096	1/24/2018		7380
13096	2/6/2018		5640
13096	2/21/2018		6040
13096	3/14/2018		1610
13096	4/11/2018		7940
13096	5/3/2018		8400
13096	6/28/2018		28.1
13096	7/12/2018		552
13096	7/26/2018		3724
13096	8/7/2018		9608
13096	10/30/2018		538
13096	11/8/2018		1754
13096	12/10/2018		30
13096	1/24/2019		3950
13096	2/7/2019		4842
13096	3/13/2019		9870
13096	4/9/2019		427
13096	5/2/2019		2061
13096	5/17/2019		388
13096	6/21/2019		3984
13096	7/10/2019		7180
13096	8/9/2019		6785
13096	10/15/2019		4745
13096	11/7/2019		4184
13096	12/18/2019		3395

Chloride			
Station	Date	GTLT	Value

Chloride			
Station	Date	GTLT	Value
13096	1/15/2020		4455
13096	2/6/2020		6173
13096	3/18/2020		5590
13096	4/9/2020		3861
13096	5/12/2020		2440
13096	6/3/2020		34
13096	6/17/2020		139
13096	7/8/2020		655
13096	8/5/2020		753
13096	12/1/2020		4408
13096	12/2/2020		3961
13096	1/25/2021		4083
13096	2/22/2021		3587
13096	7/12/2021		3.3
13096	8/2/2021		927
13096	9/22/2021		5160
13096	10/12/2021		5197
13096	11/3/2021		6907
13096	12/15/2021		6499
13096	1/20/2022		8456
13096	2/9/2022		6860
13096	3/9/2022		7236
13096	4/13/2022		10776
13096	5/4/2022		15611
13096	6/8/2022		9042
13096	7/7/2022		7932
13096	8/1/2022		9489
13096	9/26/2022		2619
13096	10/25/2022		14045
13096	11/30/2022		2592
13096	12/16/2022		3273
13096	1/4/2023		6805
13096	2/3/2023		6346
13096	3/15/2023		7527.71
13096	5/26/2023		955
13096	6/20/2023		235408
13096	7/5/2023		8087
13096	8/11/2023		10583
13096	9/19/2023		5776.06

Chloride			
Station	Date	GTLT	Value

Chloride			
Station	Date	GTLT	Value
13096	10/27/2023		7281
13096	11/14/2023		895
13096	12/28/2023		5379
13096	1/10/2024		5150
13096	2/22/2024		3145
13096	3/27/2024		2469
13096	4/23/2024		2774
13096	5/21/2024		5950.89
13096	6/28/2024		65.14
13096	7/29/2024		89.2
13096	11/13/2024		12700
13096	12/10/2024		8590
13096	2/3/2025		13100
13096	3/17/2025		7750
13096	4/16/2025		8650
13096	5/14/2025		505
13096	6/23/2025		346
13096	7/7/2025		3960
13096	8/5/2025		6470

Sulfate			
Station	Date	GTLT	Value
13093	10/27/1971		6
13093	1/15/1972		420
13093	4/6/1972		124
13093	7/26/1972		26
13093	10/8/1972		35
13093	1/30/1973		370
13093	4/8/1973		530
13093	7/10/1973		52
13093	10/8/1973		19
13093	1/30/1974		680
13093	2/24/1974		500
13093	4/15/1974		174
13093	7/22/1974		164
13093	10/30/1974		221
13093	1/29/1975		116
13093	4/3/1975		498
13093	7/1/1975		69
13093	10/8/1975		112
13093	1/22/1976		173
13093	4/27/1976		19
13093	10/25/1976		6
13093	1/20/1977		44
13093	9/6/1977		930
13093	5/13/1979		62
13093	11/29/1979		770
13093	11/25/1980		400
13093	2/22/1982		410
13093	8/19/1982		750
13093	11/30/1982		210
13093	9/26/1983		130
13093	10/23/1984	<	10
13093	12/18/1984		440
13093	11/5/1985		3
13093	11/24/1986		228
13093	12/29/1987		738
13093	1/27/2003	>	700
13093	5/9/2003	>	1130
13093	5/9/2003	>	1140
13093	7/16/2003		1140

Sulfate			
Station	Date	GTLT	Value
13094	8/19/1982		830
13094	7/9/1984		460
13094	10/23/1984	<	10
13094	12/18/1984		540
13094	11/5/1985		5
13094	11/24/1986		292
13094	11/12/1987		842
13094	2/9/1989		560
13094	8/22/1989		860
13094	2/20/1990		1000
13094	8/29/1990		178
13094	2/21/1991		445
13094	8/8/1991		1390
13094	9/28/1992		151
13094	5/13/1993		39
13094	10/28/1993		1330
13094	4/25/1994		985
13094	10/5/1994		1190
13094	12/7/1994		1120
13094	5/8/1995		1160
13094	6/21/1995		374
13094	10/17/1995		874
13094	1/24/1996		839
13094	4/8/1996		914
13094	7/17/1996		1700
13094	10/15/1996		658
13094	12/17/1996		1330
13094	1/23/1997		68
13094	4/8/1997		20
13094	7/7/1997		200
13094	11/4/1997		504
13094	12/17/1997		444
13094	5/5/1998		1420
13094	11/12/1998		392
13094	1/20/1999		1490
13094	5/4/1999		880
13094	6/23/1999		71
13094	10/7/1999		340
13094	1/19/2000		1390

Sulfate			
Station	Date	GTLT	Value
13093	7/17/2003		1210
13093	8/13/2003		1570
13093	9/23/2003		8
13093	10/7/2003		120
13093	11/20/2003		670
13093	5/6/2004		33
13093	6/8/2004		450
13093	6/9/2004		520
13093	10/12/2004		620
13093	2/2/2005		1500
13093	2/8/2005		1600
13093	3/21/2005		10
13093	3/22/2005		10
13093	6/2/2005		470
13093	9/1/2010		786
13093	10/5/2010		171
13093	11/9/2010		968
13093	12/7/2010		1430
13093	1/11/2011		1440
13093	2/8/2011		447
13093	3/15/2011		1120
13093	4/12/2011		1400
13093	5/9/2011		1740
13093	6/6/2011		1580
13093	7/6/2011		1710
13093	8/10/2011		1740
13093	9/12/2011		1910
13093	10/6/2011		193
13093	11/9/2011		818
13093	12/8/2011		1260
13093	1/10/2012		1430
13093	2/8/2012		1270
13093	3/20/2012		651
13093	4/10/2012		413
13093	5/8/2012		401
13093	6/13/2012		218
13093	7/17/2012		723
13093	8/13/2012		1060
13093	9/12/2012		1330

Sulfate			
Station	Date	GTLT	Value
13094	5/9/2000		1110
13094	8/10/2000		1780
13094	10/24/2000		974
13094	2/22/2001		1360
13094	5/22/2001		1490
13094	6/25/2001		1520
13094	10/30/2001		1260
13094	2/12/2002		1280
13094	5/1/2002		1530
13094	8/8/2002		189
13094	12/18/2002		80
13094	1/27/2003	>	1100
13094	3/6/2003		391
13094	5/9/2003	>	1630
13094	5/21/2003		1430
13094	7/16/2003		1520
13094	7/17/2003		1510
13094	7/23/2003		1470
13094	8/13/2003		1680
13094	9/23/2003		4
13094	10/2/2003		119
13094	10/7/2003		310
13094	11/20/2003		1220
13094	1/6/2004		1320
13094	3/8/2004		756
13094	5/6/2004		20
13094	5/24/2004		84
13094	6/8/2004		910
13094	6/9/2004		1000
13094	9/15/2004		212
13094	10/12/2004		1300
13094	2/2/2005		1300
13094	2/8/2005		1400
13094	2/17/2005		1400
13094	3/21/2005		5
13094	3/22/2005		6
13094	4/25/2005		1250
13094	6/2/2005		130
13094	6/3/2005		50

Sulfate			
Station	Date	GTLT	Value
13093	10/9/2012		1400
13093	11/28/2012		1590
13093	12/19/2012		1440
13093	1/22/2013		1680
13093	2/14/2013		1460
13093	3/19/2013		1400
13093	4/24/2013		2120
13093	5/15/2013		66.3
13093	6/6/2013		278
13093	7/29/2013		790
13093	8/21/2013		1150
13093	9/25/2013		52.8
13093	10/23/2013		438
13093	11/13/2013		428
13093	12/11/2013		293
13093	1/14/2014		659
13093	2/13/2014		1030
13093	3/17/2014		1410
13093	4/23/2014		1340
13093	5/14/2014		44.9
13093	6/18/2014		102
13093	7/16/2014		285
13093	8/13/2014		317
13093	9/17/2014		18.4
13093	10/22/2014		216
13093	11/12/2014		130
13093	12/16/2014		248
13093	1/12/2015		658
13093	2/2/2015		842
13093	3/17/2015		95.9
13093	4/27/2015	<	5
13093	5/11/2015		230
13093	6/9/2015		138
13093	7/8/2015		234
13093	8/3/2015		843
13093	10/1/2015		814
13093	10/26/2015		173
13093	11/17/2015		90.6
13093	12/15/2015		790

Sulfate			
Station	Date	GTLT	Value
13094	6/22/2005		1230
13094	9/15/2005		575
13094	12/14/2005		1240
13094	5/4/2006		1370
13094	8/1/2006		1330
13094	10/23/2006		680
13094	12/6/2006		1340
13094	5/22/2007		1360
13094	6/21/2007		841
13094	9/25/2007		201
13094	1/17/2008		1450
13094	3/27/2008		1170
13094	6/26/2008		1680
13094	11/19/2008		1330
13094	1/13/2009		1730
13094	4/6/2009		1630
13094	8/12/2009		1670
13094	11/23/2009		415
13094	2/18/2010		112
13094	8/18/2010		989
13094	9/1/2010		1290
13094	10/5/2010		198
13094	11/9/2010		1410
13094	12/7/2010		1550
13094	1/11/2011		1070
13094	2/8/2011		670
13094	3/15/2011		1110
13094	4/12/2011		1580
13094	5/9/2011		1240
13094	6/6/2011		1640
13094	7/6/2011		1670
13094	8/10/2011		1470
13094	9/12/2011		1500
13094	10/6/2011		472
13094	11/9/2011		1330
13094	12/8/2011		1460
13094	1/10/2012		1310
13094	2/8/2012		22.4
13094	3/20/2012		1110

Sulfate			
Station	Date	GTLT	Value
13093	1/12/2016		660
13093	2/9/2016		965
13093	3/23/2016		96.9
13093	4/13/2016		877
13093	5/25/2016		219
13093	6/21/2016		475
13093	7/12/2016		1150
13093	8/11/2016		1520
13093	9/6/2016		336
13093	10/17/2016		311
13093	11/8/2016		788
13093	12/7/2016		9.63
13093	11/13/2017		1080
13093	11/29/2017		1280
13093	12/19/2017		1110
13093	1/23/2018		1620
13093	2/20/2018		1280
13093	3/13/2018		295
13093	4/11/2018		678
13093	5/2/2018		1050
13093	6/28/2018		14.7
13093	7/11/2018		104
13093	7/25/2018		2080
13093	8/7/2018		715
13093	10/10/2018		239
13093	11/7/2018		290
13093	12/10/2018		598
13093	1/7/2019		667
13093	2/8/2019		1160
13093	3/12/2019		1156
13093	4/11/2019		102
13093	5/6/2019		454
13093	5/17/2019		100
13093	6/20/2019		141
13093	7/11/2019		522
13093	8/9/2019		1173
13093	10/15/2019		1441
13093	11/7/2019		1765
13093	12/17/2019		1043

Sulfate			
Station	Date	GTLT	Value
13094	4/10/2012		601
13094	5/8/2012		814
13094	6/13/2012		1200
13094	7/17/2012		2930
13094	8/13/2012		1380
13094	9/12/2012		3610
13094	10/9/2012		1430
13094	11/28/2012		913
13094	12/19/2012		1510
13094	1/22/2013		1330
13094	2/14/2013		1310
13094	3/19/2013		1340
13094	4/24/2013		1520
13094	5/15/2013		261
13094	6/6/2013		988
13094	7/29/2013		1050
13094	8/21/2013		1350
13094	9/25/2013		88.8
13094	10/23/2013		148
13094	11/23/2013		1310
13094	12/11/2013		960
13094	1/14/2014		1180
13094	2/13/2014		1450
13094	3/17/2014		1360
13094	4/23/2014		1230
13094	5/14/2014		75.8
13094	6/18/2014		558
13094	7/16/2014		1210
13094	8/13/2014		950
13094	9/17/2014		8.13
13094	10/22/2014		729
13094	11/12/2014		363
13094	12/16/2014		565
13094	1/12/2015		896
13094	2/2/2015		1000
13094	3/17/2015		154
13094	4/27/2015	<	5
13094	5/11/2015		440
13094	6/9/2015		134

Sulfate			
Station	Date	GTLT	Value
13093	1/16/2020		685
13093	2/6/2020		1298
13093	3/18/2020		1648
13093	4/8/2020		2016
13093	5/12/2020		2071
13093	6/3/2020		20
13093	6/17/2020		413
13093	7/9/2020		663
13093	8/5/2020		338
13093	12/1/2020		1082
13093	12/2/2020		1055
13093	1/29/2021		1187
13093	2/22/2021		1279
13093	7/20/2021		137
13093	8/2/2021		187
13093	9/22/2021		1164
13093	10/13/2021		215
13093	11/3/2021		462
13093	12/16/2021		848
13093	1/19/2022		1312
13093	2/9/2022		1680
13093	3/9/2022		1717
13093	4/14/2022		2259
13093	5/4/2022		2913
13093	6/8/2022		351
13093	7/29/2022		1420
13093	8/1/2022		1574
13093	9/26/2022		301
13093	10/31/2022		1820
13093	11/30/2022		515
13093	12/16/2022		793
13093	1/3/2023		971
13093	2/3/2023		1533
13093	3/15/2023		1579.48
13093	4/5/2023		2219
13093	5/25/2023		295
13093	6/20/2023		8936
13093	7/7/2023		1123
13093	8/11/2023		414

Sulfate			
Station	Date	GTLT	Value
13094	7/8/2015		381
13094	8/3/2015		1260
13094	10/1/2015		1290
13094	10/26/2015		289
13094	11/17/2015		129
13094	12/15/2015		1080
13094	1/12/2016		479
13094	2/9/2016		1110
13094	3/23/2016		113
13094	4/13/2016		1100
13094	5/25/2016		632
13094	6/21/2016		813
13094	7/12/2016		1550
13094	8/11/2016		1420
13094	9/6/2016		475
13094	10/17/2016		773
13094	11/8/2016		970
13094	12/7/2016		5.84
13094	11/14/2017		521
13094	11/30/2017		2910
13094	12/20/2017		1220
13094	1/24/2018		1460
13094	2/21/2018		1310
13094	3/14/2018		465
13094	4/11/2018		1580
13094	5/3/2018		1820
13094	6/28/2018		10.6
13094	7/12/2018		202
13094	7/26/2018		921
13094	8/7/2018		193
13094	10/30/2018		243
13094	11/8/2018		627
13094	12/10/2018		1040
13094	1/24/2019		1015
13094	2/7/2019		1221
13094	3/13/2019		1155
13094	4/9/2019		61
13094	5/2/2019		637
13094	6/20/2019		371

Sulfate			
Station	Date	GTLT	Value
13093	9/19/2023		333.33
13093	10/12/2023		709
13093	11/14/2023		736
13093	12/28/2023		1098
13093	1/11/2024		1507
13093	2/22/2024		464
13093	3/27/2024		1519
13093	5/21/2024		1297
13093	6/28/2024		22.2
13093	10/21/2024		703
13093	11/13/2024		1570
13093	12/10/2024		1010
13093	1/8/2025		1420
13093	2/3/2025		1540
13093	3/17/2025		1750
13093	4/15/2025		347
13093	5/13/2025		89.7
13093	6/23/2025		84.6
13093	7/9/2025		383
13093	8/5/2025		776

Sulfate			
Station	Date	GTLT	Value
13094	7/10/2019		2067
13094	8/9/2019		1497
13094	10/15/2019		1323
13094	11/7/2019		1199
13094	12/17/2019		1127
13094	1/15/2020		1129
13094	2/6/2020		1475
13094	3/18/2020		1523
13094	4/9/2020		1460
13094	5/12/2020		511
13094	6/3/2020		16
13094	6/17/2020		577
13094	7/9/2020		276
13094	8/5/2020		320
13094	12/1/2020		1082
13094	12/2/2020		1106
13094	1/25/2021		1149
13094	2/22/2021		1112
13094	7/12/2021		9.1
13094	8/2/2021		357
13094	9/22/2021		1230
13094	10/12/2021		1109
13094	11/3/2021		1349
13094	12/16/2021		1372
13094	1/20/2022		1480
13094	2/9/2022		1496
13094	3/9/2022		1465
13094	4/13/2022		2021
13094	5/4/2022		2161
13094	6/8/2022		1595
13094	7/7/2022		2108
13094	8/1/2022		1702
13094	9/26/2022		674
13094	10/25/2022		2801
13094	11/30/2022		701
13094	1/12/2023		44
13094	2/3/2023		1679
13094	3/15/2023		1561.73
13094	5/25/2023		248

Sulfate			
Station	Date	GTLT	Value

Sulfate			
Station	Date	GTLT	Value
13094	6/20/2023		16437
13094	7/5/2023		1736
13094	8/11/2023		1580
13094	9/19/2023		912.29
13094	10/27/2023		1662
13094	11/14/2023		242
13094	12/28/2023		1297
13094	1/10/2024		866.2
13094	2/22/2024		852
13094	3/27/2024		773
13094	4/23/2024		404
13094	5/21/2024		1354
13094	6/28/2024		19.9
13094	7/29/2024		19.1
13094	11/13/2024		7210
13094	12/10/2024		1680
13094	2/3/2025		1510
13094	3/17/2025		1630
13094	4/16/2025		1580
13094	5/14/2025		208
13094	6/23/2025		158
13094	7/7/2025		1120
13094	8/5/2025		1600

Sulfate			
Station	Date	GTLT	Value
13095	10/6/2014		63.9
13095	11/1/2014		138
13095	11/24/2014		752
13095	12/22/2014		649
13095	1/5/2015		893
13095	2/5/2015		787
13095	3/19/2015		4.79
13095	4/1/2015		73.5
13095	5/5/2015		149
13095	6/9/2015		113
13095	7/1/2015		106
13095	8/3/2015		997
13095	12/16/2015		941
13095	1/6/2016		358
13095	1/26/2016		720
13095	2/15/2016		1090
13095	3/7/2016		1150
13095	3/29/2016		473
13095	4/21/2016		47.4
13095	5/18/2016		505
13095	6/7/2016		115
13095	6/28/2016		1220
13095	7/19/2016		1570
13095	8/9/2016		1400
13095	10/24/2016		816
13095	11/17/2016		1050
13095	12/13/2016		56.2
13095	1/17/2017		877
13095	2/15/2017		1110
13095	3/21/2017		646
13095	4/18/2017		879
13095	5/3/2017		1100
13095	6/6/2017		45.6
13095	6/29/2017		788
13095	7/19/2017		1440
13095	8/2/2017		1630
13095	11/13/2017		
13095	11/14/2017		393
13095	11/29/2017		

Sulfate			
Station	Date	GTLT	Value
13096	8/19/1982		340
13096	12/18/1984		150
13096	10/17/1995		329
13096	1/24/1996		546
13096	4/8/1996		1416.5
13096	7/17/1996		1490
13096	1/27/2003	>	710
13096	1/27/2003	>	710
13096	5/9/2003	>	1800
13096	7/17/2003		1080
13096	8/12/2003		2000
13096	9/23/2003		3
13096	10/7/2003		140
13096	11/20/2003		960
13096	5/6/2004		11
13096	6/8/2004		670
13096	6/9/2004		790
13096	10/11/2004		1010
13096	2/2/2005		1100
13096	2/8/2005		1300
13096	3/21/2005		3
13096	3/22/2005		4
13096	6/2/2005		21
13096	6/3/2005		30
13096	9/15/2005		547
13096	12/14/2005		1280
13096	5/4/2006		1030
13096	8/1/2006		1350
13096	10/23/2006		456
13096	12/6/2006		1240
13096	5/22/2007		1290
13096	6/21/2007		407
13096	6/21/2007		408
13096	9/25/2007		88
13096	1/17/2008		1420
13096	3/27/2008		940
13096	8/18/2008		591
13096	11/19/2008		1010
13096	1/13/2009		1460

Sulfate			
Station	Date	GTLT	Value
13095	11/30/2017		3870
13095	12/19/2017		
13095	12/20/2017		1090
13095	1/23/2018		
13095	1/24/2018		1280
13095	2/20/2018		
13095	2/21/2018		1070
13095	3/13/2018		
13095	3/14/2018		372
13095	4/11/2018		
13095	4/12/2018		1320
13095	5/2/2018		
13095	5/3/2018		1350
13095	6/28/2018		17.1
13095	7/11/2018		
13095	7/12/2018		154
13095	7/25/2018		
13095	7/26/2018		812
13095	8/8/2018		
13095	8/9/2018		1190
13095	10/10/2018		
13095	10/11/2018		1003
13095	10/30/2018		
13095	11/7/2018		
13095	11/8/2018		690
13095	12/10/2018		399
13095	1/7/2019		
13095	1/8/2019		860
13095	1/24/2018		
13095	2/7/2019		1061
13095	2/8/2019		
13095	3/12/2019		
13095	3/13/2019		2239
13095	4/9/2019		
13095	4/11/2019		
13095	4/12/2019		133
13095	5/2/2019		534
13095	5/3/2019		
13095	5/6/2019		

Sulfate			
Station	Date	GTLT	Value
13096	4/6/2009		1950
13096	8/12/2009		2520
13096	11/23/2009		213
13096	2/18/2010		54
13096	8/18/2010		801
13096	9/1/2010		1360
13096	10/5/2010		96.2
13096	11/9/2010		1360
13096	12/7/2010		1410
13096	1/11/2011		296
13096	2/8/2011		399
13096	3/15/2011		936
13096	4/12/2011		1200
13096	5/9/2011		1520
13096	6/6/2011		1700
13096	7/6/2011		1560
13096	8/10/2011		1600
13096	9/12/2011		1660
13096	10/6/2011		207
13096	11/9/2011		1340
13096	12/8/2011		1410
13096	1/10/2012		1290
13096	2/8/2012		7.5
13096	3/20/2012		769
13096	4/10/2012		256
13096	5/8/2012		424
13096	6/13/2012		545
13096	7/17/2012		2000
13096	8/13/2012		1380
13096	9/12/2012		1590
13096	10/9/2012		1410
13096	11/28/2012		1280
13096	12/19/2012		1120
13096	1/22/2013		1830
13096	2/14/2013		2580
13096	3/19/2013		1270
13096	4/24/2013		1280
13096	5/15/2013		91
13096	6/6/2013		590

Sulfate			
Station	Date	GTLT	Value
13095	5/17/2019		121
13095	6/20/2019		
13095	6/21/2019		310
13095	7/10/2019		
13095	7/11/2019		
13095	7/12/2019		1540
13095	8/8/2019		
13095	8/9/2019		1498
13095	10/16/2019		1167
13095	11/7/2019		1041
13095	12/17/2019		1010
13095	1/16/2020		1196
13095	2/6/2020		1381
13095	3/18/2020		1343
13095	4/8/2020		1638
13095	5/12/2020		416
13095	6/3/2020		16
13095	6/17/2020		358
13095	7/9/2020		222
13095	8/5/2020		234
13095	12/1/2020		988
13095	12/2/2020		1011
13095	2/22/2021		885
13095	7/20/2021		126
13095	8/2/2021		301
13095	9/22/2021		1683
13095	10/13/2021		1274
13095	11/3/2021		1353
13095	12/16/2021		1362
13095	1/19/2022		1478
13095	2/9/2022		1451
13095	3/9/2022		1528
13095	4/14/2022		2025
13095	5/4/2022		2159
13095	6/8/2022		1532
13095	7/29/2022		1400
13095	8/1/2022		1491
13095	9/26/2022		666
13095	10/31/2022		1346

Sulfate			
Station	Date	GTLT	Value
13096	7/29/2013		393
13096	8/21/2013		1190
13096	9/25/2013		42.5
13096	10/23/2013		99.1
13096	11/13/2013		1040
13096	12/11/2013		527
13096	1/14/2014		1130
13096	2/13/2014		1260
13096	3/17/2014		825
13096	4/23/2014		1150
13096	5/14/2014		80.2
13096	6/18/2014		167
13096	7/16/2014		848
13096	8/13/2014		715
13096	9/17/2014	<	5
13096	10/22/2014		331
13096	11/12/2014		209
13096	12/16/2014		256
13096	1/12/2015		748
13096	2/2/2015		741
13096	3/17/2015		67.8
13096	4/27/2015	<	5
13096	5/11/2015		292
13096	6/9/2015		81.6
13096	7/8/2015		238
13096	8/3/2015		1170
13096	10/1/2015		1280
13096	10/26/2015		506
13096	11/17/2015		73.4
13096	12/15/2015		987
13096	1/12/2016		249
13096	2/9/2016		1010
13096	3/23/2016		81.2
13096	4/13/2016		1030
13096	5/25/2016		721
13096	6/21/2016		694
13096	7/12/2016		2290
13096	8/11/2016		1480
13096	9/6/2016		274

Sulfate			
Station	Date	GTLT	Value
13095	11/30/2022		601
13095	12/16/2022		980
13095	1/3/2023		1372
13095	2/3/2023		1211
13095	3/15/2023		1462.26
13095	4/5/2023		1480
13095	5/25/2023		216
13095	5/26/2023		
13095	6/20/2023		15002
13095	7/7/2023		2689
13095	8/11/2023		1541
13095	9/19/2023		957.62
13095	10/12/2023		933
13095	11/14/2023		146
13095	12/28/2023		1213
13095	1/11/2024		774.8
13095	2/22/2024		715
13095	3/27/2024		630
13095	5/21/2024		1235
13095	6/27/2024		18.44
13095	7/3/2024		108.87
13095	10/21/2024		1550
13095	11/13/2024		6630
13095	12/10/2024		1640
13095	1/8/2025		2840
13095	2/3/2025		2550
13095	3/17/2025		4180
13095	4/15/2025		996
13095	5/14/2025		160
13095	6/23/2025		252
13095	7/9/2025		1020
13095	8/5/2025		1480

Sulfate			
Station	Date	GTLT	Value
13096	10/17/2016		422
13096	11/8/2016		429
13096	12/7/2016		5.82
13096	11/14/2017		618
13096	11/30/2017		3050
13096	12/20/2017		1110
13096	1/24/2018		1240
13096	2/21/2018		996
13096	3/14/2018		296
13096	4/11/2018		1520
13096	5/3/2018		1360
13096	6/28/2018		7.01
13096	7/12/2018		104
13096	7/26/2018		730
13096	8/7/2018		1770
13096	10/30/2018		131
13096	11/8/2018		399
13096	12/10/2018		6.3
13096	1/24/2019		793
13096	2/7/2019		952
13096	3/13/2019		2072
13096	4/9/2019		133
13096	5/2/2019		360
13096	5/17/2019		86
13096	6/21/2019		249
13096	7/10/2019		1355
13096	8/9/2019		1241
13096	10/15/2019		883
13096	11/7/2019		810
13096	12/18/2019		674
13096	1/15/2020		901
13096	2/6/2020		1204
13096	3/18/2020		1283
13096	4/9/2020		955
13096	5/12/2020		587
13096	6/3/2020		15
13096	6/17/2020		121
13096	7/9/2020		110
13096	8/5/2020		140

Sulfate			
Station	Date	GTLT	Value

Sulfate			
Station	Date	GTLT	Value
13096	12/1/2020		827
13096	12/2/2020		793
13096	1/25/2021		807
13096	2/22/2021		663
13096	7/12/2021		1.94
13096	8/2/2021		184
13096	9/22/2021		951
13096	10/12/2021		1203
13096	11/3/2021		1449
13096	12/15/2021		1241
13096	1/20/2022		1575
13096	2/9/2022		1364
13096	3/9/2022		1520
13096	4/13/2022		1899
13096	5/4/2022		2292
13096	6/8/2022		1613
13096	7/7/2022		1740
13096	8/1/2022		1676
13096	9/26/2022		466
13096	10/25/2022		2462
13096	11/30/2022		516
13096	12/16/2022		662
13096	1/4/2023		1325
13096	2/3/2023		1258
13096	3/15/2023		1247.69
13096	5/26/2023		177
13096	6/20/2023		23326
13096	7/5/2023		1668
13096	8/11/2023		1695
13096	9/19/2023		898.46
13096	10/27/2023		1263
13096	11/14/2023		230
13096	12/28/2023		991
13096	1/10/2024		909.4
13096	2/22/2024		577
13096	3/27/2024		490
13096	4/23/2024		590
13096	5/21/2024		1078.2
13096	6/28/2024		14.44

Sulfate			
Station	Date	GTLT	Value

Sulfate			
Station	Date	GTLT	Value
13096	7/29/2024		23
13096	11/13/2024		6900
13096	12/10/2024		1810
13096	2/3/2025		1400
13096	3/17/2025		1570
13096	4/16/2025		1620
13096	5/14/2025		113
13096	6/23/2025		76.6
13096	7/7/2025		759
13096	8/5/2025		1290

TDS			
Station	Date	GTLT	Value
13093	10/27/1971		750
13093	1/15/1972		68208
13093	2/6/1972		60000
13093	4/6/1972		11040
13093	5/26/1972		3000
13093	7/26/1972		1665
13093	10/8/1972		3696
13093	1/30/1973		101640
13093	2/26/1973	>	60000
13093	3/21/1973	>	60000
13093	4/8/1973	>	60000
13093	5/28/1973	>	60000
13093	6/3/1973	>	100000
13093	7/10/1973		3000
13093	8/19/1973		1700
13093	9/3/1973		3400
13093	10/8/1973		1200
13093	11/17/1973		5200
13093	12/2/1973		16000
13093	1/30/1974		44500
13093	2/24/1974		50000
13093	4/15/1974		8350
13093	6/28/1974		2300
13093	7/22/1974		9600
13093	8/16/1974		2150
13093	9/28/1974		22000
13093	10/30/1974		37000
13093	11/27/1974		13000
13093	12/22/1974		30000
13093	1/29/1975		17500
13093	2/5/1975		15200
13093	3/7/1975		30500
13093	4/3/1975		51500
13093	7/1/1975		41000
13093	10/8/1975		9500
13093	1/22/1976		50000
13093	4/27/1976		1600
13093	10/25/1976		3500
13093	9/6/1977		37945

TDS			
Station	Date	GTLT	Value
13094	8/19/1982		41900
13094	7/9/1984		78600
13094	10/23/1984		347
13094	12/18/1984		31700
13094	11/5/1985		431
13094	11/24/1986		15000
13094	11/12/1987		18940
13094	2/9/1989		10440
13094	8/22/1989		31700
13094	2/20/1990		25000
13094	8/29/1990		1700
13094	2/21/1991		9010
13094	8/8/1991		22400
13094	10/8/1991		5140
13094	4/22/1992		452
13094	9/28/1992		3270
13094	5/13/1993		941
13094	10/28/1993		22000
13094	4/25/1994		15400
13094	10/5/1994		17300
13094	12/7/1994		12700
13094	5/8/1995		18400
13094	6/21/1995		5760
13094	10/17/1995		12100
13094	1/24/1996		10500
13094	4/8/1996		17900
13094	7/17/1996		25300
13094	10/15/1996		8770
13094	12/17/1996		16900
13094	1/23/1997		426
13094	4/8/1997		366
13094	7/7/1997		2740
13094	11/4/1997		6430
13094	12/17/1997		10300
13094	5/5/1998		19300
13094	7/7/1998		26800
13094	11/12/1998		5410
13094	1/20/1999		15200
13094	5/4/1999		13900

TDS			
Station	Date	GTLT	Value
13093	5/13/1979		2150
13093	11/29/1979		31000
13093	2/11/1980		31400
13093	5/28/1980		39200
13093	11/25/1980		14500
13093	2/22/1982		19900
13093	8/19/1982		24600
13093	11/30/1982		9310
13093	9/26/1983		5380
13093	10/23/1984		354
13093	12/18/1984		12900
13093	11/5/1985		470
13093	11/24/1986		7200
13093	12/29/1987		13690
13093	1/27/2003	>	8500
13093	5/9/2003	>	11600
13093	7/16/2003		13400
13093	7/17/2003		14100
13093	8/13/2003		17000
13093	9/23/2003		240
13093	10/7/2003		1350
13093	11/20/2003		5930
13093	5/6/2004		370
13093	6/8/2004		4350
13093	6/9/2004		4860
13093	10/12/2004		6230
13093	2/2/2005		16400
13093	2/8/2005		17400
13093	3/21/2005		170
13093	3/22/2005		300
13093	6/2/2005		5330
13093	9/1/2010		7960
13093	10/5/2010		1930
13093	11/9/2010		10900
13093	12/7/2010		13500
13093	1/11/2011		13900
13093	2/8/2011		4710
13093	3/15/2011		11900
13093	4/12/2011		14800

TDS			
Station	Date	GTLT	Value
13094	6/23/1999		1120
13094	10/7/1999		5490
13094	11/22/1999		21300
13094	1/19/2000		14200
13094	5/9/2000		18400
13094	8/10/2000		29100
13094	10/24/2000		12700
13094	2/22/2001		15000
13094	5/22/2001		16900
13094	6/25/2001		18900
13094	10/30/2001		15500
13094	2/12/2002		16300
13094	5/1/2002		23000
13094	8/8/2002		2740
13094	12/18/2002		848
13094	1/27/2003	>	9600
13094	3/6/2003		4820
13094	5/9/2003	>	17100
13094	5/21/2003		16900
13094	7/16/2003		17500
13094	7/17/2003		17600
13094	7/23/2003		15900
13094	8/13/2003		20200
13094	9/23/2003		210
13094	10/2/2003		1680
13094	10/7/2003		3930
13094	11/20/2003		11300
13094	1/6/2004		15700
13094	3/8/2004		9410
13094	5/6/2004		380
13094	5/24/2004		1280
13094	6/8/2004		9610
13094	6/9/2004		10000
13094	9/15/2004		2800
13094	10/12/2004		15200
13094	2/2/2005		15200
13094	2/8/2005		17000
13094	2/17/2005		18100
13094	3/21/2005		140

TDS			
Station	Date	GTLT	Value
13093	5/9/2011		16900
13093	6/6/2011		17300
13093	7/6/2011		17700
13093	8/10/2011		21700
13093	9/12/2011		23900
13093	10/6/2011		2600
13093	11/9/2011		9880
13093	12/8/2011		14800
13093	1/10/2012		16900
13093	2/8/2012		16000
13093	3/20/2012		7560
13093	4/10/2012		4830
13093	5/8/2012		4730
13093	6/13/2012		3160
13093	7/17/2012		8960
13093	8/13/2012		13400
13093	9/12/2012		16400
13093	10/9/2012		17500
13093	11/28/2012		17500
13093	12/19/2012		16200
13093	1/22/2013		17300
13093	2/14/2013		15900
13093	3/19/2013		17100
13093	4/24/2013		19600
13093	5/15/2013		611
13093	6/6/2013		3870
13093	7/29/2013		600
13093	8/21/2013		14000
13093	9/25/2013		654
13093	10/23/2013		4580
13093	11/13/2013		5760
13093	12/11/2013		3850
13093	1/14/2014		9140
13093	2/13/2014		13100
13093	3/17/2014		17400
13093	4/23/2014		17800
13093	5/14/2014		336
13093	6/18/2014		1540
13093	7/16/2014		5080

TDS			
Station	Date	GTLT	Value
13094	3/22/2005		290
13094	4/25/2005		16500
13094	6/2/2005		1510
13094	6/3/2005		720
13094	6/22/2005		15200
13094	9/15/2005		6880
13094	12/14/2005		15200
13094	5/4/2006		15700
13094	8/1/2006		15100
13094	10/23/2006		8790
13094	12/6/2006		14900
13094	5/22/2007		17400
13094	6/21/2007		9590
13094	9/25/2007		2470
13094	1/17/2008		16100
13094	3/27/2008		14800
13094	6/26/2008		19900
13094	11/19/2008		14400
13094	1/13/2009		17300
13094	4/6/2009		16500
13094	8/12/2009		26200
13094	11/23/2009		4750
13094	2/18/2010		1640
13094	5/11/2010		9700
13094	8/18/2010		12600
13094	9/1/2010		14600
13094	10/5/2010		2480
13094	11/9/2010		15300
13094	12/7/2010		15600
13094	1/11/2011		10900
13094	2/8/2011		7000
13094	3/15/2011		14000
13094	4/12/2011		16500
13094	5/9/2011		17200
13094	6/6/2011		17500
13094	7/6/2011		17300
13094	8/10/2011		19700
13094	9/12/2011		19700
13094	10/6/2011		5560

TDS			
Station	Date	GTLT	Value
13093	8/13/2014		4880
13093	9/17/2014		364
13093	10/22/2014		2660
13093	11/12/2014		1380
13093	12/16/2014		3190
13093	1/12/2015		8540
13093	2/2/2015		11600
13093	3/17/2015		1340
13093	4/27/2015		300
13093	5/11/2015		3280
13093	6/9/2015		2090
13093	7/8/2015		2800
13093	8/3/2015		9860
13093	10/1/2015		10300
13093	10/26/2015		1830
13093	11/17/2015		1050
13093	12/15/2015		7390
13093	1/12/2016		7120
13093	2/9/2016		10800
13093	3/23/2016		1000
13093	4/13/2016		7140
13093	5/25/2016		2240
13093	6/21/2016		5380
13093	7/12/2016		10100
13093	8/11/2016		23400
13093	9/6/2016		3390
13093	10/17/2016		2400
13093	11/8/2016		5380
13093	12/7/2016		210
13093	11/13/2017		12800
13093	11/29/2017		13300
13093	12/19/2017		12000
13093	1/23/2018		16600
13093	2/20/2018		14800
13093	3/13/2018		3690
13093	4/11/2018		5300
13093	5/2/2018		2660
13093	6/28/2018		253
13093	7/11/2018		1550

TDS			
Station	Date	GTLT	Value
13094	11/9/2011		14700
13094	12/8/2011		15600
13094	1/10/2012		16100
13094	2/8/2012		460
13094	3/20/2012		12700
13094	4/10/2012		6780
13094	5/8/2012		10900
13094	6/13/2012		14300
13094	7/17/2012		15600
13094	8/13/2012		18300
13094	9/12/2012		17600
13094	10/9/2012		16100
13094	11/28/2012		11100
13094	12/19/2012		15200
13094	1/22/2013		16400
13094	2/14/2013		14100
13094	3/19/2013		16300
13094	4/24/2013		17300
13094	5/15/2013		3960
13094	6/6/2013		14200
13094	7/29/2013		14800
13094	8/21/2013		19000
13094	9/25/2013		1220
13094	10/23/2013		1900
13094	10/23/2013		14200
13094	12/11/2013		12000
13094	1/14/2014		15700
13094	2/13/2014		15800
13094	3/17/2014		18000
13094	4/23/2014		18100
13094	5/14/2014		776
13094	6/18/2014		6840
13094	7/16/2014		19000
13094	8/13/2014		16200
13094	9/17/2014		242
13094	10/22/2014	<	9000
13094	11/12/2014		3270
13094	12/16/2014		7060
13094	1/12/2015		11900

TDS			
Station	Date	GTLT	Value
13093	7/25/2018		8220
13093	8/7/2018		7040
13093	10/10/2018		2684
13093	11/7/2018		6424
13093	12/10/2018		6286
13093	1/7/2019		5924
13093	2/8/2019		11620
13093	3/12/2019		13392
13093	4/11/2019		940
13093	5/6/2019		5657
13093	5/17/2019		1436
13093	6/20/2019		1868
13093	7/11/2019		6208
13093	8/9/2019		11206
13093	10/16/2019		15000
13093	11/7/2019		16696
13093	12/17/2019		11268
13093	1/15/2020		7134
13093	2/6/2020		12480
13093	3/18/2020		15492
13093	4/9/2020		15682
13093	5/12/2020		18911
13093	6/3/2020		69
13093	6/17/2020		2371
13093	7/8/2020		8788
13093	8/5/2020		4454
13093	12/1/2020		12944
13093	12/2/2020		12172
13093	1/29/2021		12588
13093	2/22/2021		15490
13093	7/20/2021		2600
13093	8/2/2021		2801
13093	9/22/2021		9464
13093	10/13/2021		2244
13093	11/3/2021		4708
13093	12/16/2021		9274
13093	1/19/2022		12724
13093	2/9/2022		14240
13093	3/9/2022		16944

TDS			
Station	Date	GTLT	Value
13094	2/2/2015		12800
13094	3/17/2015		1900
13094	4/27/2015		306
13094	5/11/2015		6020
13094	6/9/2015		2120
13094	7/8/2015		4670
13094	8/3/2015		14200
13094	10/1/2015		18500
13094	10/26/2015		3100
13094	11/17/2015		1680
13094	12/15/2015		11800
13094	1/12/2016		6080
13094	2/9/2016		13800
13094	3/23/2016		1530
13094	4/13/2016		9860
13094	5/25/2016		6980
13094	6/21/2016		12100
13094	7/12/2016		15600
13094	8/11/2016		21000
13094	9/6/2016		8500
13094	10/17/2016		9940
13094	11/8/2016		17000
13094	12/7/2016		202
13094	11/14/2017		6420
13094	11/30/2017		14500
13094	12/20/2017		13100
13094	1/24/2018		16300
13094	2/21/2018		13600
13094	3/14/2018		6470
13094	4/11/2018		8420
13094	5/3/2018		17400
13094	6/28/2018		197
13094	7/12/2018		2480
13094	7/26/2018		10530
13094	8/7/2018		12960
13094	10/30/2018		3278
13094	11/8/2018		6776
13094	12/10/2018		5108
13094	1/24/2019		10708

TDS			
Station	Date	GTLT	Value
13093	4/14/2022		18338
13093	5/4/2022		21306
13093	6/8/2022		3290
13093	7/29/2022		15824
13093	8/1/2022		15516
13093	9/26/2022		3872
13093	10/31/2022		9978
13093	11/30/2022		6192
13093	12/16/2022		9092
13093	1/3/2023		10996
13093	2/3/2023		16044
13093	3/15/2023		16838
13093	4/5/2023		22896
13093	5/25/2023		3600
13093	6/20/2023		7380
13093	7/7/2023		11118
13093	8/11/2023		5926
13093	9/19/2023		4276
13093	10/12/2023		8620
13093	11/14/2023		7440
13093	12/28/2023		12480
13093	1/11/2024		12900
13093	2/22/2024		5470
13093	3/27/2024		14680
13093	5/21/2024		14700
13093	6/28/2024		240
13093	7/9/2024		3440
13093	10/21/2024		6410
13093	11/13/2024		323
13093	12/10/2024		8660
13093	1/8/2025		14300
13093	2/3/2025		15200
13093	3/17/2025		17600
13093	4/15/2025		3150
13093	5/13/2025		550
13093	6/23/2025		1070
13093	7/9/2025		4700
13093	8/5/2025		9200

TDS			
Station	Date	GTLT	Value
13094	2/7/2019		11388
13094	3/13/2019		12880
13094	4/9/2019		802
13094	5/2/2019		7008
13094	5/17/2019		1932
13094	6/21/2019		3984
13094	7/10/2019		13860
13094	8/9/2019		16762
13094	10/15/2019		12876
13094	11/7/2019		10936
13094	12/17/2019		11104
13094	1/15/2020		11272
13094	2/6/2020		13490
13094	3/18/2020		14332
13094	4/9/2020		14676
13094	5/12/2020		5069
13094	6/3/2020		139
13094	6/17/2020		4024
13094	7/8/2020		4226
13094	8/5/2020		4497
13094	12/1/2020		13200
13094	12/2/2020		13570
13094	1/29/2021		12556
13094	2/22/2021		13442
13094	7/12/2021		120
13094	8/2/2021		no data
13094	9/22/2021		13008
13094	10/12/2021		11268
13094	11/3/2021		13736
13094	12/16/2021		18262
13094	1/20/2022		14548
13094	2/9/2022		13576
13094	3/9/2022		16012
13094	4/13/2022		16940
13094	5/4/2022		17006
13094	6/8/2022		14834
13094	7/7/2022		18734
13094	8/1/2022		16802
13094	9/26/2022		8646

TDS			
Station	Date	GTLT	Value

TDS			
Station	Date	GTLT	Value
13094	10/25/2022		15322
13094	11/30/2022		7978
13094	1/12/2023		15690
13094	2/3/2023		14608
13094	3/15/2023		16752
13094	5/25/2023		3436
13094	6/20/2023		16974
13094	7/5/2023		18242
13094	8/11/2023		18624
13094	9/19/2023		11592
13094	10/27/2023		15340
13094	11/14/2023		1320
13094	12/28/2023		16040
13094	1/10/2024		6880
13094	2/22/2024		9220
13094	3/27/2024		9160
13094	4/23/2024		4710
13094	5/21/2024		15360
13094	6/28/2024		400
13094	7/29/2024		560
13094	11/13/2024		1430
13094	12/10/2024		14300
13094	2/3/2025		15000
13094	3/17/2025		16500
13094	4/16/2025		16000
13094	5/14/2025		2200
13094	6/23/2025		2160
13094	7/7/2025		13700
13094	8/5/2025		17200

TDS			
Station	Date	GTLT	Value
13095	41918		875
13095	11/1/2014		1440
13095	11/24/2014		7840
13095	12/22/2014		8340
13095	1/5/2015		10200
13095	2/5/2015		10200
13095	3/19/2015		322
13095	4/1/2015		1160
13095	5/5/2015		2210
13095	6/9/2015		1950
13095	7/1/2015		1380
13095	8/3/2015		12200
13095	12/16/2015		11300
13095	1/6/2016		3580
13095	1/26/2016		8760
13095	2/15/2016		12500
13095	3/7/2016		15200
13095	3/29/2016		5340
13095	4/21/2016		561
13095	5/18/2016		5550
13095	6/7/2016		1260
13095	6/28/2016		3940
13095	7/19/2016		21200
13095	8/9/2016		18000
13095	10/24/2016		14200
13095	11/17/2016		14300
13095	12/13/2016		689
13095	1/17/2017		11400
13095	2/15/2017		13600
13095	3/21/2017		8660
13095	4/18/2017		9090
13095	5/3/2017		14600
13095	6/6/2017		503
13095	6/29/2017		10300
13095	7/19/2017		17300
13095	8/2/2017		16600
13095	11/13/2017		
13095	11/14/2017		4500
13095	11/29/2017		

TDS			
Station	Date	GTLT	Value
13096	8/19/1982		52700
13096	12/18/1984		46000
13096	10/17/1995		6550
13096	1/24/1996		6500
13096	4/8/1996		18500
13096	7/17/1996		24500
13096	1/27/2003	>	7380
13096	5/9/2003	>	15000
13096	7/17/2003		12800
13096	8/12/2003		20900
13096	9/23/2003		190
13096	10/7/2003		1950
13096	11/20/2003		9260
13096	5/6/2004		280
13096	6/8/2004		6670
13096	6/9/2004		7750
13096	10/11/2004		12400
13096	2/2/2005		13200
13096	2/8/2005		15100
13096	3/21/2005		130
13096	3/22/2005		260
13096	6/2/2005		340
13096	6/3/2005		400
13096	9/15/2005		7040
13096	12/14/2005		16800
13096	5/4/2006		12800
13096	8/1/2006		14100
13096	10/23/2006		6050
13096	12/6/2006		13700
13096	6/21/2007		5580
13096	9/25/2007		1260
13096	1/17/2008		15300
13096	3/27/2008		11900
13096	8/18/2008		8730
13096	11/19/2008		11000
13096	1/13/2009		16800
13096	4/6/2009		19300
13096	8/12/2009		38800
13096	11/23/2009		2990

TDS			
Station	Date	GTLT	Value
13095	11/30/2017		14800
13095	12/19/2017		
13095	12/20/2017		12500
13095	1/23/2018		
13095	1/24/2018		14800
13095	2/20/2018		
13095	2/21/2018		14800
13095	3/13/2018		
13095	3/14/2018		4750
13095	4/11/2018		
13095	4/12/2018		15600
13095	5/2/2018		
13095	5/3/2018		16400
13095	6/28/2018		302
13095	7/11/2018		
13095	7/12/2018		1930
13095	7/25/2018		
13095	7/26/2018		9180
13095	8/8/2018		
13095	8/9/2018		12500
13095	10/10/2018		
13095	10/11/2018		3003
13095	10/30/2018		
13095	11/7/2018		
13095	11/8/2018		6489
13095	12/10/2018		4066
13095	1/7/2019		
13095	1/8/2019		7868
13095	1/24/2019		
13095	2/7/2019		10444
13095	2/8/2019		
13095	3/12/2019		
13095	3/13/2019		11396
13095	4/9/2019		
13095	4/11/2019		
13095	4/12/2019		1440
13095	5/2/2019		6072
13095	5/3/2019		
13095	5/6/2019		

TDS			
Station	Date	GTLT	Value
13096	2/18/2010		1600
13096	5/11/2010		6780
13096	8/18/2010		10800
13096	9/1/2010		15600
13096	10/5/2010		1280
13096	11/9/2010		13200
13096	12/7/2010		13700
13096	1/11/2011		3000
13096	2/8/2011		4530
13096	3/15/2011		12500
13096	4/12/2011		16300
13096	5/9/2011		18400
13096	6/6/2011		19000
13096	7/6/2011		18000
13096	8/10/2011		21100
13096	9/12/2011		22200
13096	10/6/2011		2950
13096	11/9/2011		14900
13096	12/8/2011		16100
13096	1/10/2012		16000
13096	2/8/2012		760
13096	3/20/2012		8780
13096	4/10/2012		3330
13096	5/8/2012		5240
13096	6/13/2012		7660
13096	7/17/2012		13600
13096	8/13/2012		18000
13096	9/12/2012		19000
13096	10/9/2012		14700
13096	11/28/2012		13800
13096	12/19/2012		14700
13096	1/22/2013		6790
13096	2/14/2013		11700
13096	3/19/2013		6470
13096	4/24/2013		7140
13096	5/15/2013		7990
13096	6/6/2013		578
13096	7/29/2013		4050
13096	8/21/2013		3240

TDS			
Station	Date	GTLT	Value
13095	5/17/2019		1648
13095	6/20/2019		
13095	6/21/2019		3619
13095	7/10/2019		
13095	7/11/2019		
13095	7/12/2019		13584
13095	8/8/2019		
13095	8/9/2019		15872
13095	10/16/2019		11752
13095	11/7/2019		9332
13095	12/17/2019		10510
13095	1/16/2020		12884
13095	2/6/2020		11718
13095	3/18/2020		12836
13095	4/8/2020		12868
13095	5/12/2020		3496
13095	6/3/2020		253
13095	6/17/2020		3232
13095	7/9/2020		3805
13095	8/5/2020		3227
13095	12/1/2020		12130
13095	12/2/2020		12476
13095	2/22/2021		11270
13095	7/20/2021		bad data
13095	8/2/2021		3367
13095	9/22/2021		11866
13095	10/13/2021		11648
13095	11/3/2021		12948
13095	12/16/2021		23988
13095	1/19/2022		13738
13095	2/9/2022		12872
13095	3/9/2022		15602
13095	4/14/2022		16812
13095	5/4/2022		18610
13095	6/8/2022		13804
13095	7/29/2022		15866
13095	8/1/2022		15424
13095	9/26/2022		8464
13095	10/31/2022		14352

TDS			
Station	Date	GTLT	Value
13096	9/25/2013		6640
13096	10/23/2013		253
13096	11/13/2013		652
13096	12/11/2013		5950
13096	1/14/2014		3550
13096	2/13/2014		5660
13096	3/17/2014		5750
13096	4/23/2014		4560
13096	5/14/2014		5880
13096	6/18/2014		496
13096	7/16/2014		1020
13096	8/13/2014		4330
13096	9/17/2014		4560
13096	10/22/2014		11
13096	11/12/2014		2020
13096	12/16/2014		1230
13096	1/12/2015		1580
13096	2/2/2015		4470
13096	3/17/2015		4250
13096	4/27/2015		422
13096	5/11/2015		5
13096	6/9/2015		1840
13096	7/8/2015		463
13096	8/3/2015		1300
13096	10/1/2015		6340
13096	10/26/2015		7340
13096	11/17/2015		2430
13096	12/15/2015		444
13096	12/15/2015		6380
13096	1/12/2016		3450
13096	2/9/2016		12300
13096	3/23/2016		1030
13096	4/13/2016		8640
13096	5/25/2016		8100
13096	6/21/2016		11800
13096	7/12/2016		56800
13096	8/11/2016		2270
13096	9/6/2016		4350
13096	10/17/2016		5120

TDS			
Station	Date	GTLT	Value
13095	11/30/2022		7108
13095	12/16/2022		11180
13095	1/3/2023		14360
13095	2/3/2023		13992
13095	3/15/2023		14096
13095	4/5/2023		16300
13095	5/25/2023		2800
13095	5/26/2023		
13095	6/20/2023		16630
13095	7/7/2023		16154
13095	8/11/2023		17164
13095	9/19/2023		10760
13095	10/12/2023		13060
13095	11/14/2023		800
13095	12/28/2023		14040
13095	1/11/2024		6900
13095	2/22/2024		7590
13095	3/27/2024		6950
13095	5/21/2024		13900
13095	6/27/2024		450
13095	7/3/2024		1620
13095	7/9/2024		6060
13095	10/21/2024		13000
13095	11/13/2024		1390
13095	12/10/2024		13600
13095	1/8/2025		13600
13095	2/3/2025		13300
13095	3/17/2025		15000
13095	4/15/2025		14700
13095	5/14/2025		1520
13095	6/23/2025		1190
13095	7/9/2025		10800
13095	8/5/2025		16600

TDS			
Station	Date	GTLT	Value
13096	11/8/2016		2540
13096	12/7/2016		160
13096	11/14/2017		6380
13096	11/30/2017		14900
13096	12/20/2017		12400
13096	1/24/2018		16200
13096	2/21/2018		13200
13096	3/14/2018		3690
13096	4/11/2018		7980
13096	5/3/2018		12700
13096	6/28/2018		194
13096	7/12/2018		1430
13096	7/26/2018		8580
13096	8/7/2018		12260
13096	10/30/2018		1878
13096	11/8/2018		4623
13096	12/10/2018		3304
13096	1/24/2019		8336
13096	2/7/2019		9608
13096	3/13/2019		10184
13096	4/9/2019		1324
13096	5/2/2019		8596
13096	5/17/2019		1492
13096	6/21/2019		3260
13096	7/10/2019		13332
13096	8/9/2019		15814
13096	10/15/2019		9736
13096	11/7/2019		7284
13096	12/18/2019		7324
13096	1/15/2020		8362
13096	2/6/2020		12396
13096	3/18/2020		10896
13096	4/9/2020		10618
13096	5/12/2020		5998
13096	6/3/2020		279
13096	6/17/2020		2800
13096	7/8/2020		1997
13096	8/5/2020		2153
13096	12/1/2020		9508

TDS			
Station	Date	GTLT	Value

TDS			
Station	Date	GTLT	Value
13096	12/2/2020		8898
13096	1/25/2021		9490
13096	2/22/2021		8686
13096	7/12/2021		94
13096	8/2/2021		2243
13096	9/22/2021		10338
13096	10/12/2021		12832
13096	11/3/2021		13628
13096	12/15/2021		8184
13096	1/20/2022		15714
13096	2/9/2022		12280
13096	3/9/2022		14854
13096	4/13/2022		17672
13096	5/4/2022		19238
13096	6/8/2022		15394
13096	7/7/2022		19206
13096	8/1/2022		17268
13096	9/26/2022		5774
13096	10/25/2022		14570
13096	11/30/2022		6480
13096	12/16/2022		7780
13096	1/4/2023		14928
13096	2/3/2023		14898
13096	3/15/2023		14684
13096	5/26/2023		2340
13096	6/20/2023		37744
13096	7/5/2023		19282
13096	8/11/2023		19832
13096	9/19/2023		11888
13096	10/27/2023		13200
13096	11/14/2023		2160
13096	12/28/2023		10960
13096	1/10/2024		9080
13096	2/22/2024		6420
13096	3/27/2024		5540
13096	4/23/2024		6000
13096	5/21/2024		14260
13096	6/28/2024		240
13096	7/29/2024		380

TDS			
Station	Date	GTLT	Value

TDS			
Station	Date	GTLT	Value
13096	11/13/2024		1390
13096	12/10/2024		15600
13096	2/3/2025		6770
13096	3/17/2025		15200
13096	4/16/2025		17400
13096	5/14/2025		1400
13096	6/23/2025		1070
13096	7/7/2025		9050
13096	8/5/2025		15400