TRI-STATE

November 9, 2023

Mr. Clayton Wein
Environmental Protection Specialist
Colorado Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203

RE: Annual Hydrology Report
New Horizon Mine
Permit No. C-1981-008

Dear Mrs. Binns:

Enclosed please find the Annual Hydrology Report for the 2023 Water Year (October 2022 – September 2023) for Elk Ridge Mining and Reclamation, LLC (Elk Ridge) New Horizon Mine. Tri-State Generation and Transmission Association, Inc. (Tri-State) is the parent to Elk Ridge, and in accordance with Rule 4.05.13(4)(c) is submitting the Annual Hydrology Report on behalf of the New Horizon Mine.

If you have any questions about the enclosed minor revision, please contact Tony Tennyson at (970) 326-3560 or ttennyson@tristategt.org.

Sincerely,

DocuSigned by:
Chris Gilbreath
D250C711D0BF450...

Chris Gilbreath
Senior Manager,
Remediation and Reclamation

CG:TT:der

Enclosures

cc: Tony Tennyson (via email)
File: G474-11.3(21)b-5

P.O. BOX 33695
DENVER, CO 80233-0695
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2023 Annual Hydrology Report

Water Year October 1, 2022 to September 30, 2023

Elk Ridge Mining and Reclamation, LLC

New Horizon Mine

Permit No. C-1981-008

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Rule 4.05.13(4)(c) Annual Hydrology Report Requirements

(i) Water quantity monitoring data for the water year is presented Appendix 1 and Appendix 2 of this report.

(ii) Water quality monitoring data for the water year is presented in Appendix 1 and Appendix 2 of this report. Discharge monitoring reports (DMR) are submitted to the Colorado Department of Public Health and Environment. Copies of each DMR are provided monthly to the Division during the report year and are included in this report by reference only.

(iii) A written interpretation of the data has been requested by the Division in accordance with Rule 4.05.13(4)(c)(iii) and is included within this annual hydrology report.

The monitoring timeframe for this annual hydrology report is from October 1, 2022 through September 30, 2023.

A description of the surface and ground water monitoring plan including the monitoring frequency is located in Section 2.04.7. All monitoring locations are shown on Map 2.04-7-1A. This information can be found in Permit No. C-1981-008.

Surface Water

Surface water monitoring is comprised of two monitoring locations, which are located up gradient and down gradient of mining and reclamation areas on Tuttle Draw. SW-N1 represents the upstream condition above mining and reclamation, and SW-N3 represents the downstream condition.

Surface water monitoring data for the water year for both sites can be found in Appendix 1.

New Horizon samples both surface water monitoring locations for a variety of quality parameters. Of all the parameters that are analyzed, several key indicator parameters have been identified and are addressed annually for the hydrology report. These parameters are lab pH, lab conductivity, TDS, sulfate, calcium, iron, magnesium, and sodium.

SW-N1 and SW-N3 – Tuttle Draw

Data for the indicator parameters for the up-gradient surface monitoring location SW-N1 and the down gradient surface water monitoring location SW-N3, has been complied and are shown on the summary tables below. The summary data tables provided data for each surface water monitoring locations from 2001 to 2022 if available.

Surface water monitoring data for the water year for both sites can be found in Appendix 1. Appendix 2 contains a graphical representation of all surface water monitoring data with a linear regression to help define any applicable trends that may be apparent in the monitoring data.

Summary of the indicator parameters for each surface water monitoring location are provided as follows:

SW-N1							
Parameter	**Mean**	**Std dev**	**Range**	**Max.**	**Min.**	**Max at**	**Min at**
Lab pH	8.2	0.3	1.4	8.5	7.1	2/18/11	11/13/18
Lab Cond. (umhos/cm)	917	593	2,613	2,910	297	9/26/12	6/5/19
TDS (mg/l)	696	549	2,509	2,690	181	9/26/12	8/24/07
Sulfate (mg/l)	309	285	1,653	1,700	48	9/26/12	6/5/19
Calcium (mg/l)	121	86	455	496	41	9/26/12	6/5/19
Iron (ug/l)	1,219	1,613	8,890	9,050	160	8/16/07	2/24/06
Magnesium (mg/l)	52	49	196	204	8	9/26/12	8/17/07
Sodium (mg/l)	21	17	61	66	5	2/17/06	8/20/07

SW-N3							
Parameter	**Mean**	**Std dev**	**Range**	**Max.**	**Min.**	**Max at**	**Min at**
Lab pH	8.1	0.2	1.4	8.6	7.2	9/4/08	8/16/02
Lab Cond. (umhos/cm)	1,772	923	3,240	3,640	400	2/10/15	8/13/07
TDS (mg/l)	1,553	976	3,208	3,440	232	2/10/15	8/24/17
Sulfate (mg/l)	877	601	2,130	2,220	90	2/10/15	8/17/07
Calcium (mg/l)	244	138	549	558	9	8/31/02	5/24/21
Iron (tot rec ug/l)	1,103	1,562	10,470	10,600	130	8/16/07	5/17/08
Magnesium (mg/l)	109	74	246	259	13	2/10/15	11/21/07
Sodium (mg/l)	56	44	204	212	8	2/20/12	8/20/07

A review of the water year data indicates that all sample results trended within previous results, with the mean of all the indicator parameters remaining relatively constant. Influences from irrigation water on Tuttle Draw are readily apparent during the irrigation season at and around New Horizon Mine.

Surface Water Data Interpretation

As shown on the graphs in Appendix 2 for the indicator parameters, when comparing the up gradient and down gradient locations, SW-N3 tends to historically trend higher for several of the indicator parameters including calcium, laboratory conductivity, magnesium, sodium, sulfate and TDS. Iron and pH tend to historically trend higher at the up-gradient location SW-N1. Iron is historically trending down at both locations.

Overall, the indicator parameters as shown in Appendix 2 for up gradient and down gradient of mining and reclamation areas are stable. Long term monitoring results indicate normal seasonal fluctuations within Tuttle Draw, with the seasonal influences from local irrigation water being readily apparent when active irrigation is occurring.

Groundwater

New Horizon currently samples each groundwater site for a variety of quality parameters. Of all the parameters that are analyzed for, several key indicator parameters are identified and are addressed annually for this hydrology report. These are lab pH, lab conductivity, TDS, sulfate, calcium, iron, manganese, sodium and magnesium.

Ground water monitoring data for the water year can be found in Appendix 3. Appendix 4 contains a graphical representation of all ground water monitoring data with a linear regression to help define any applicable trends that may be apparent in all the monitoring data. Groundwater elevations where data is available are provided in Appendix 5.

Wells GW-N36, GW-N37, and GW-N38

GW-N36 monitors the overburden aquifer, GW-N37 monitors the Dakota coal aquifer, and GW-N38 monitors the underburden aquifer. This cluster of wells represent the groundwater quality up gradient of the mining area.

Summary of the indicator parameters for each well are provided as follows:

GW-N36							
Parameter	**Mean**	**Std dev**	**Range**	**Max.**	**Min.**	**Max at**	**Min at**
Lab pH	7.4	0.6	3.2	8.5	5.3	2/19/14	6/21/22
Lab Cond. (umhos/cm)	1,386	477	1,480	1,240	406	11/20/07	6/9/20
TDS (mg/l)	1,003	358	1,240	1,600	360	1/10/23	6/9/20
Sulfate (mg/l)	413	110	406	572	166	11/16/16	6/9/20
Calcium (mg/l)	146	52	176	216	40	2/23/11	5/23/18
Iron (mg/l)	0.097	0.094	0.271	0.290	0.019	1/10/23	6/21/21
Manganese (mg/l)	0.12	0.07	0.37	0.40	0.032	8/29/08	5/20/15
Sodium (mg/l)	69	28	96	112	16	2/23/11	6/9/20
Magnesium (mg/l)	69	28	96	112	16	2/23/11	6/9/20

GW-N37							
Parameter	**Mean**	**Std dev**	**Range**	**Max.**	**Min.**	**Max at**	**Min at**
Lab pH	4.9	0.6	2.5	6.4	3.9	5/18/16	5/15/06
Lab Cond. (umhos/cm)	512	106	502	848	346	9/7/22	7/26/18
TDS (mg/l)	335	80	384	610	226	9/7/22	7/25/17
Sulfate (mg/l)	199	39	143	290	147	9/7/22	7/26/18
Calcium (mg/l)	47	13	60	90	30	9/7/22	7/26/18
Iron (mg/l)	0.043	0.031	0.071	0.098	0.027	9/7/22	6/21/22
Manganese (mg/l)	0.03	0.01	0.05	0.06	0.012	5/18/16	6/21/22
Sodium (mg/l)	18	3	11	25	14	9/7/22	5/20/15
Magnesium (mg/l)	19	5	21	32	11	9/7/22	7/26/18

GW-N38							
Parameter	**Mean**	**Std dev**	**Range**	**Max.**	**Min.**	**Max at**	**Min at**
Lab pH	8.0	0.1	0.3	8.1	7.8	8/25/08	6/24/19
Lab Cond. (umhos/cm)	1,261	191	475	1,410	935	6/24/19	5/13/11
TDS (mg/l)	933	191	525	1,160	525	6/24/19	5/23/11
Sulfate (mg/l)	406	79	202	472	270	6/24/19	5/18/11
Calcium (mg/l)	268	47	118	308	190	8/17/09	5/16/11
Iron (mg/l)	0	0	0	0	0	NA	NA
Manganese (mg/l)	0.0065	0.009	0.0201	0.0226	0.0025	6/24/19	8/29/08
Sodium (mg/l)	14	7	17	24	8	6/24/19	5/16/11
Magnesium (mg/l)	18	3	8	23	15	6/24/19	5/16/11

A review of the water year for this series of wells indicates two maximums occurred at GW-N36 for TDS and Iron. GW-38 was dry all water year. GW-N37 had a significant number of maximums values during the water including laboratory conductivity, TDS, sulfate, calcium, iron, sodium, and magnesium. GW-N37 also had two minimum values for iron and manganese respectively. These three wells are not influenced by the mining and reclamation activities at New Horizon and express the up-gradient condition above mining.

Wells GW-N44, GW-N45, and GW-N46

GW-N44 monitors the overburden aquifer, GW-N45 monitors the Dakota coal aquifer, and GW-N46 monitors the underburden aquifer. This cluster of wells monitors the groundwater quality down gradient of the mining area.

Summary of the indicator parameters for each well are provided as follows:

GW-N44							
Parameter	**Mean**	**Std dev**	**Range**	**Max.**	**Min.**	**Max at**	**Min at**
Lab pH	7.9	0.3	1.9	8.6	6.7	2/18/14	6/1/03
Lab Cond. (umhos/cm)	3,010	1,571	11,386	12,300	914	6/6/17	12/7/20
TDS (mg/l)	2,822	1,753	12,400	13,800	1,400	6/6/17	6/1/22
Sulfate (mg/l)	1,761	1,280	8,800	9,510	710	6/6/17	12/1/22
Calcium (mg/l)	360	79	362	514	152	3/13/02	6/6/17
Iron (mg/l)	0.01	.005	.015	.022	0.007	5/17/23	12/7/20
Manganese (mg/l)	0.37	0.63	4.51	4.51	0.0006	2/27/18	6/23/21
Sodium (mg/l)	149	179	1,321	1,350	29	6/6/17	11/12/13
Magnesium (mg/l)	246	238	1,892	1,970	79	6/6/17	3/16/20

GW-N45							
Parameter	**Mean**	**Std dev**	**Range**	**Max.**	**Min.**	**Max at**	**Min at**
Lab pH	8.2	0.2	1.7	8.8	7.1	2/19/14	6/1/03
Lab Cond. (umhos/cm)	6,939	3,313	12,840	14,700	1,860	5/20/15	6/6/17
TDS (mg/l)	7,003	4,956	17,140	18,600	1,460	11/14/12	6/6/17
Sulfate (mg/l)	4,166	3,743	13,030	13,400	370	8/17/15	12/28/01
Calcium (mg/l)	98	65	288	307	19	11/14/12	12/1/21
Iron (mg/l)	0.090	0.193	0.684	0.700	0.016	12/10/20	9/7/22
Manganese (mg/l)	0.39	.059	1.92	1.92	0.003	3/14/17	6/6/17
Sodium (mg/l)	1,026	257	1,479	1,520	41	11/14/12	6/6/17
Magnesium (mg/l)	768	813	2,734	2,800	66	11/14/12	3/13/02

GW-N46							
Parameter	**Mean**	**Std dev**	**Range**	**Max.**	**Min.**	**Max at**	**Min at**
Lab pH	8.5	0.2	2.3	9.0	6.7	5/17/23	6/1/03
Lab Cond. (umhos/cm)	3,172	225	1,340	3,580	2,240	2/17/06	12/10/20
TDS (mg/l)	2,162	115	660	2,540	1,880	7/19/05	1/10/23
Sulfate (mg/l)	727	104	580	860	280	1/9/02	5/17/23
Calcium (mg/l)	15	30	259	264	5	6/4/05	5/17/23
Iron (mg/l)	0.038	0.029	0.105	0.116	0.011	6/1/22	5/17/23
Manganese (mg/l)	0.02	0.03	0.16	0.16	0.003	6/29/21	2/10/15
Sodium (mg/l)	743	45	216	833	617	3/9/05	2/9/16
Magnesium (mg/l)	9	3	26	30	4	6/4/05	7/19/23

A review of the water year for this series of wells down gradient to the mining and reclamation areas indicates one maximum value for iron occurred at GW-N44 and one maximum value for lab pH occurred at GW-46. Multiple minimum values occurred at GW-N46 for TDS, sulfate, calcium, iron, and magnesium.

Groundwater Data Interpretation

The graphs in Appendix 4 provides the indicator parameters in comparison with the up-gradient and down-gradient locations with the overburden aquifer, coal aquifer, and underburden aquifer compared accordingly.

Overburden Aquifer

When comparing the up gradient (GW-N36) and down gradient (GW-N44) wells for the overburden aquifer, G-N44 tends to historically trend higher for the indicator parameters with the exceptions of iron, manganese, and sodium. The up-gradient conditions for the indicator parameters trend in a consistent manner with seasonal influences from local irrigation readily apparent in the data. The down gradient conditions are all trending significantly downward with the expectation of pH was is trending slight upward over time.

Coal Aquifer

When comparing the up gradient (GW-N37) and down gradient (GW-N45) wells for the Dakota Spring aquifer, GW-N37 historically trends lower for all the indicator parameters. Further, the data indicates that the Dakota Aquifer up gradient of mining and reclamation trends in a stable manner. Data obtained from GW-45 historically trends higher than the up-gradient condition. All of the indicator parameters for GW-45 are trending upward; however, sampling results for the past twelve quarters of sampling (with the exception of pH and iron) are showing a significant downward trend. This indicates that impacts from mining and reclamation on the down gradient coal aquifer are stabilizing out. Seasonal influences from local irrigation are not apparent in the data obtained from either well.

Underburden Aquifer

When comparing the up gradient (GW-N38) and down gradient (GW-N46) wells for the underburden aquifer, G-N38 historically tends to be dry thus the data evaluation is limited. Data obtained from GW-46 reveals for that all the indicator parameters are stable with a few outliers of high analytical results. Seasonal influences from local irrigation are not apparent in the data obtained from either well.

Groundwater Elevations

Groundwater elevations from all the wells are presented in Appendix 5. Data for GW-N36 and GW-N44 indicates a stable static water levels with noticeable seasonal influences from irrigation. GW-N37 (when water is available) and GW-N45 also indicated a stable water level in the Dakota Aquifer. More variability is present in underburden aquifer as shown for GW-N46, especially in the years when mining occurred. Overall, since reclamation has occurred water levels in the underburden aquifer (GW-N46) are stabilizing.

Appendix 1
Surface Water Monitoring Data

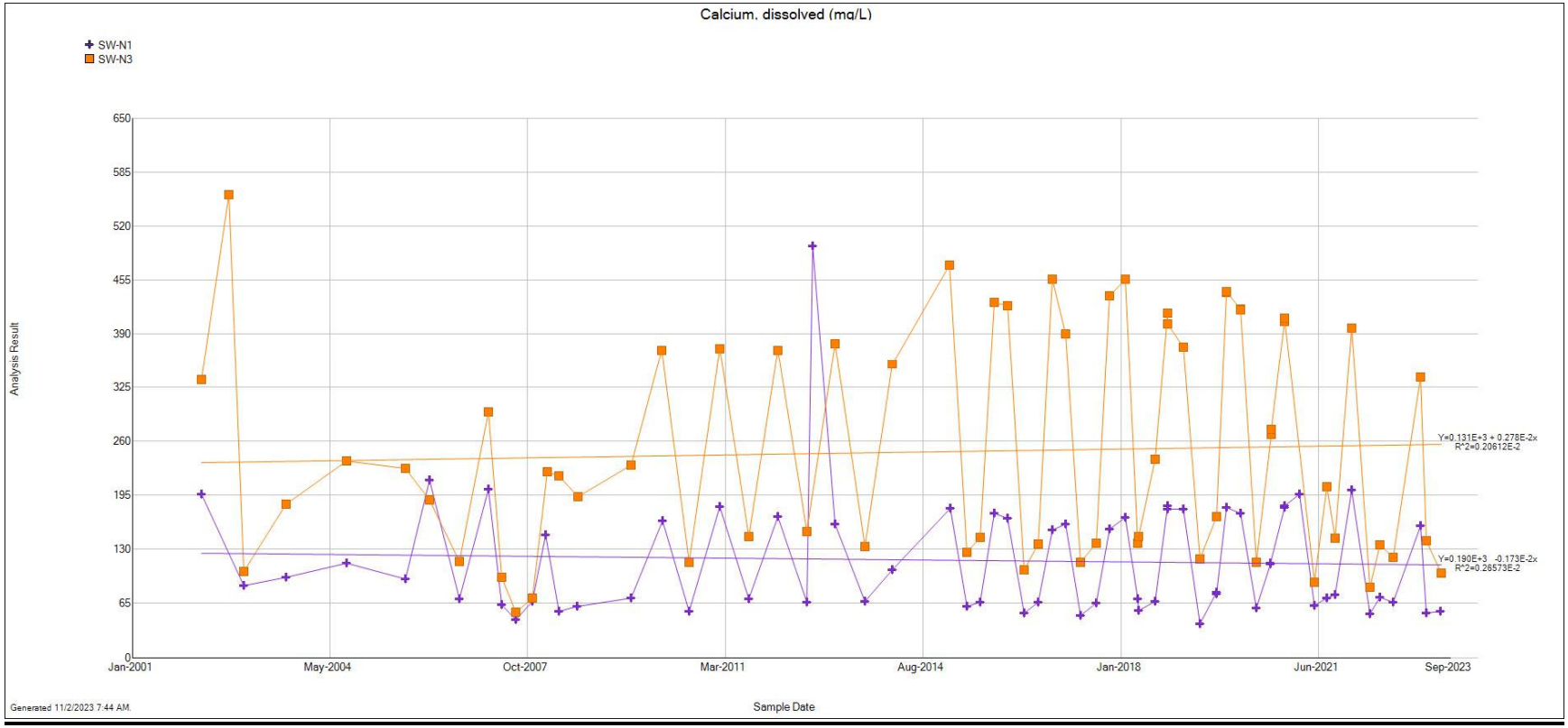
New Horizon Mine
Analysis Results by Date (column) and Parameter (row)
Date Range: 10/01/2022 to 09/30/2023
Site: SW-N1

	10/5/2022	3/27/2023	5/4/2023	7/31/2023
pH (field), pH	8.4	8.1	8.2	8.2
pH (lab), pH	7.7	8.1	8.3	7.9
Spec. Cond. (lab)	461	1630	458	347
Spec Cond. (field)	463	1611	463	370
TDS, mg/L	320	1200	340	250
TSS, mg/L	230	<5.0	90	51
Ca, diss, mg/L	67	160	53	55
Mg, diss, mg/L	14	110	20	8.7
NH3 as N, diss, mg/L	<0.050	<0.050	<0.050	<0.10
NO2 + NO3, diss, mg/L	0.038	<0.020	0.065	0.038
Na, diss, mg/L	8.2	63	9.2	5.1
SO4, diss, mg/L	130	630	110	85
As, tot rec, ug/L	2.6	0.8	1.7	1.5
Fe, tot rec, ug/L	3200	570	2100	780
Hg, tot, mg/L	<0.00020	<0.00020	<0.00020	<0.00020
Mn, diss, mg/L	<0.010	0.42	<0.010	<0.010
Se, diss, mg/L	0.00043	0.0004	0.00063	0.00036
Zn, tot rec, ug/L	49	<20.	34	22
PO4, tot, mg/L	0.03	0.0496	0.0496	0.0527
Pb, tot rec, mg/L	8.2	0.16	5.7	4.9
HCO3, mg/L	120	410	130	99
SAR, ratio	0.24	0.96	0.28	0.17
Cl, diss, mg/L	4.1	24	4.5	1.8
Al, tot rec, ug/L	8000	300	4800	1900
Cd, tot rec, mg/L	0.3	<0.050	0.14	0.15
Cu, diss, mg/L	0.0012	<0.00080	0.0015	0.0008

New Horizon Mine
Analysis Results by Date (column) and Parameter (row)
Date Range: 10/01/2022 to 09/30/2023
Site: SW-N3

	10/5/2022	3/27/2023	5/4/2023	8/3/2023
pH (field), pH	7.9	8.0	7.7	7.9
pH (lab), pH	7.8	7.9	8.2	7.5
Spec. Cond. (lab)	917	2580	1170	771
Spec Cond. (field)	936	2564	1191	762
TDS, mg/L	700	2300	920	580
TSS, mg/L	140	<5.0	52	80
Ca, diss, mg/L	120	340	140	100
Mg, diss, mg/L	42	170	62	32
NH3 as N, diss, mg/L	0.13	0.39	0.11	0.18
NO2 + NO3, diss, mg/L	0.07	0.16	0.06	0.079
Na, diss, mg/L	21	89	31	18
SO4, diss, mg/L	360	1300	480	250
As, tot rec, ug/L	1.8	0.55	1.3	1.4
Fe, tot rec, ug/L	2200	410	1600	1300
Hg, tot, mg/L	<0.00020	<0.00020	<0.00020	<0.00020
Mn, diss, mg/L	0.035	0.76	0.092	0.02
Se, diss, mg/L	0.00041	0.00024	0.00047	0.00029
Zn, tot rec, ug/L	24	<40	26	38
PO4, tot, mg/L	0.0682	0.0341	0.0347	0.03
Pb, tot rec, mg/L	5.6	<0.20	3.3	6.1
HCO3, mg/L	160	400	220	160
SAR, ratio	0.42	1	0.55	0.39
Cl, diss, mg/L	6.3	18	8.8	3.9
Al, tot rec, ug/L	5200	<100	3000	2600
Cd, tot rec, mg/L	0.19	<0.10	0.12	0.17
Cu, diss, mg/L	<0.00080	<0.00080	0.001	0.0011

Appendix 2
Surface Water Monitoring Graphs


Calcium, dissolved (mg/L)
SW-N1
SW-N3
650
585
520
455
390
325
260
195
130
65
0
Analysis Result
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Sample Date
Y=0.131E+3 + 0.278E-2x
R^2=0.20612E-2
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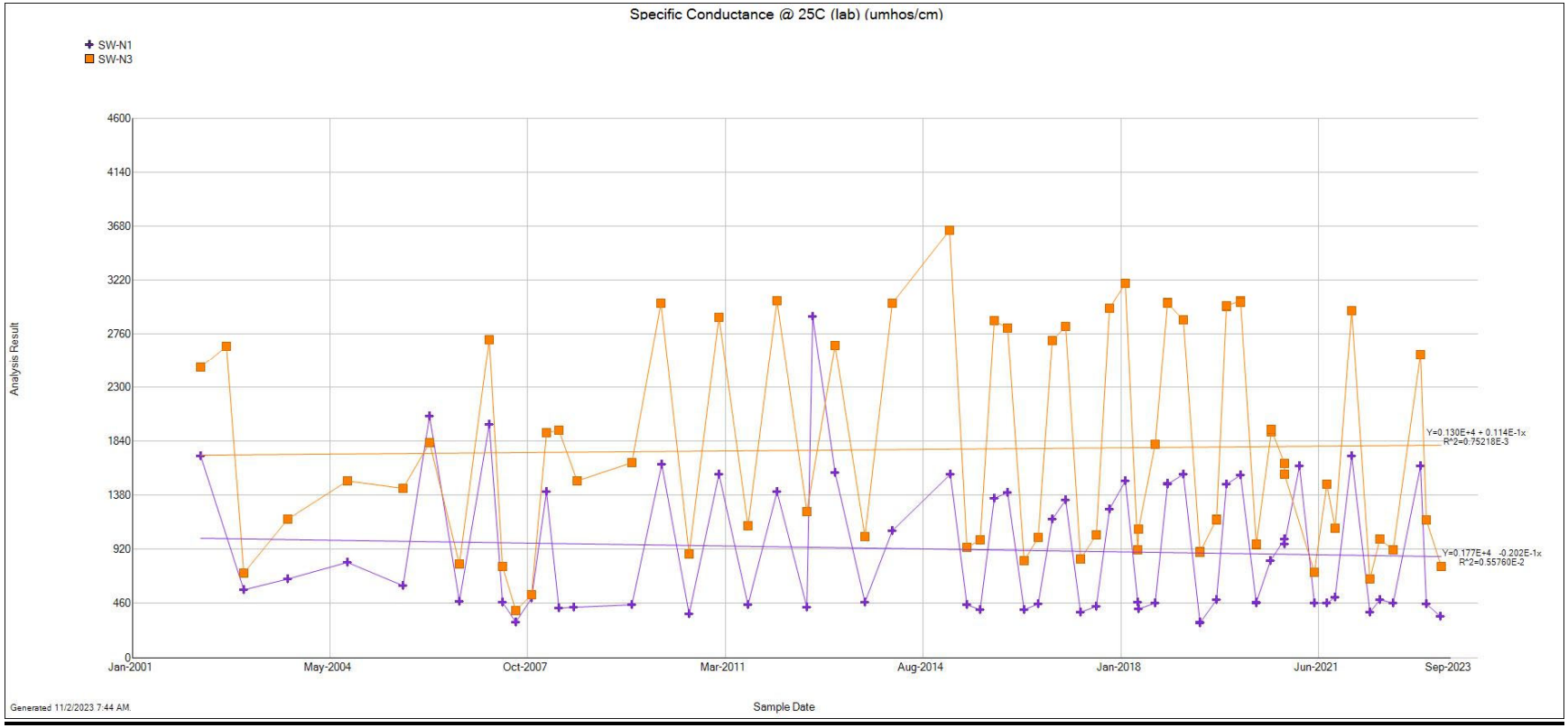
Specific Conductance @ 25C (lab) (umhos/cm)
SW-N1
SW-N3
Analysis Result
4600
4140
3680
3220
2760
2300
1840
1380
920
460
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.130E+4 + 0.114E-1x
R^2=0.75218E-3
Y=0.177E+4 -0.202E-1x
R^2=0.55760E-2
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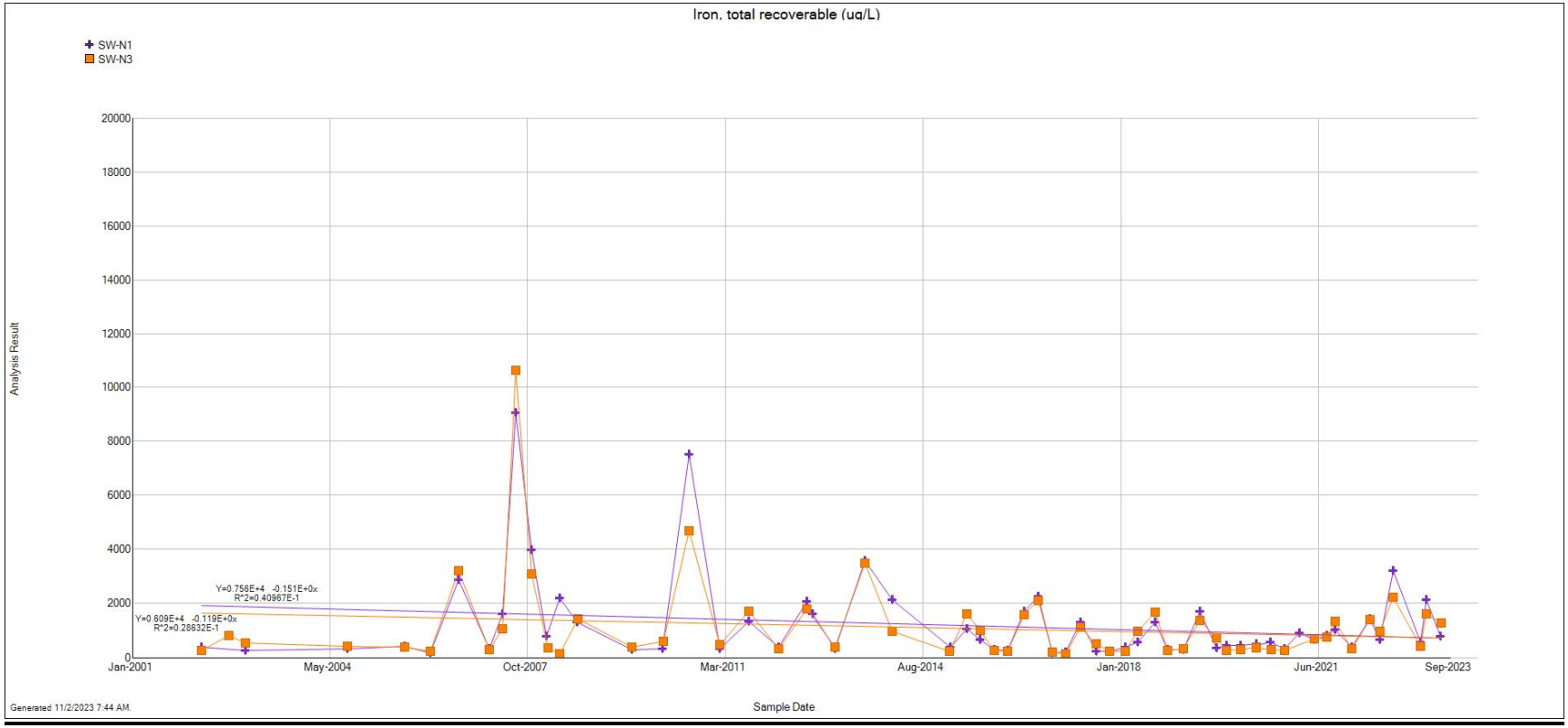
Sample Date


Iron, total recoverable (ug/L)
SW-N1
SW-N3
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Analysis Result
Y=0.758E+4 -0.151E+0x
R^2=0.40967E-1
Y=0.809E+4 -0.119E+0x
R^2=0.28632E-1
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Sample Date
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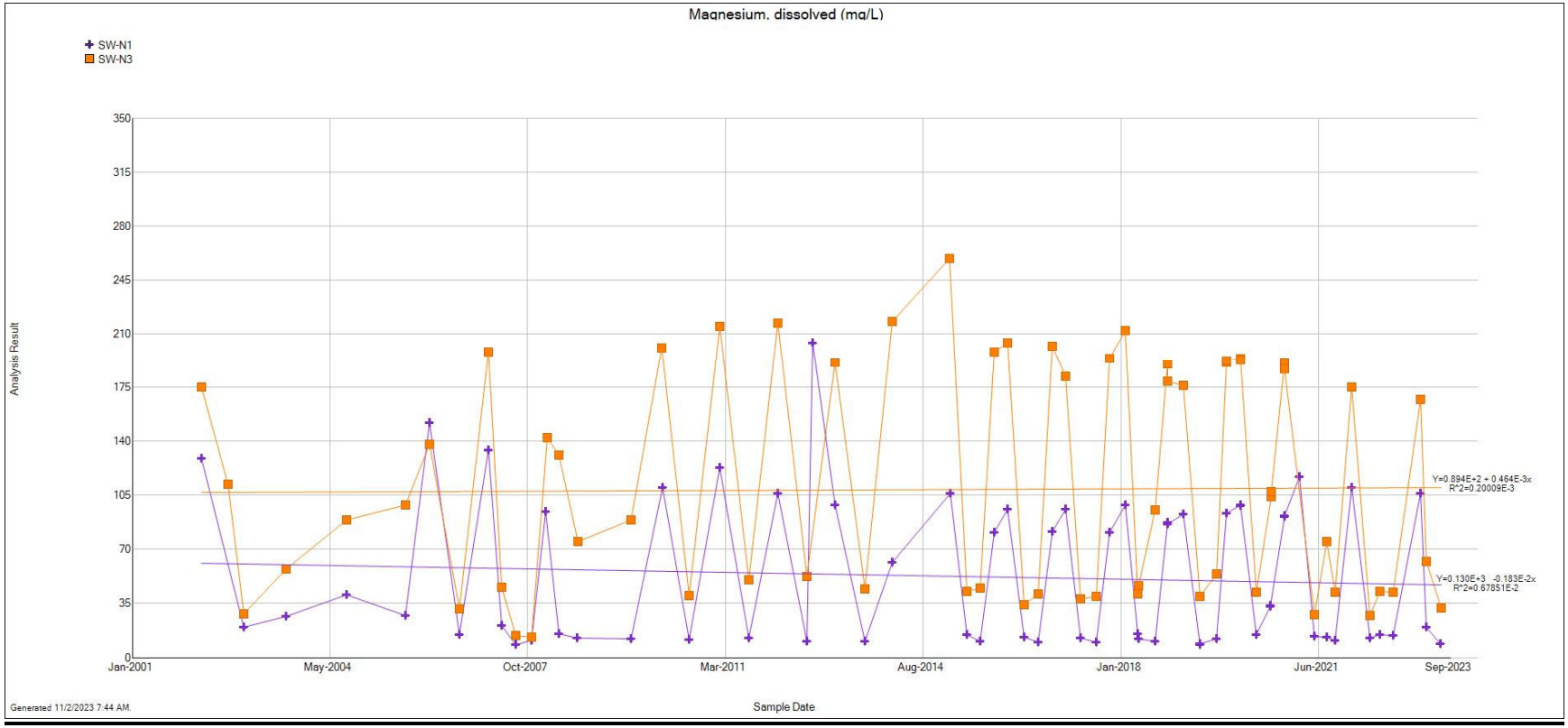
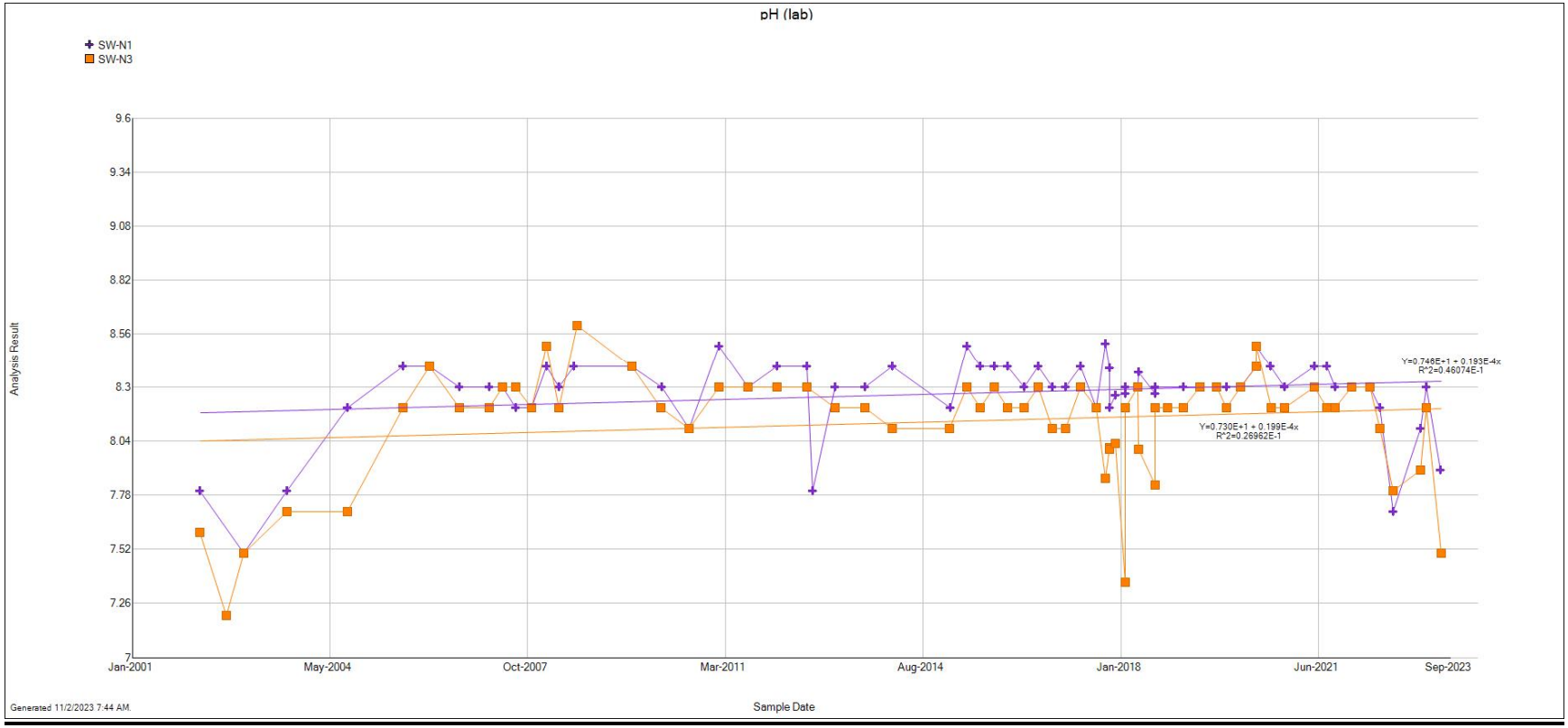

Magnesium, dissolved (mg/L)
SW-N1
SW-N3
Analysis Result
350
315
280
245
210
175
140
105
70
35
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.894E+2 + 0.464E-3x
R^2=0.20009E-3
Y=0.130E+3 -0.183E-2x
R^2=0.67851E-2
Generated 11/2/2023 7:44 AM.
Sample Date


pH (lab)
SW-N1
SW-N3
9.6
9.34
9.08
8.82
8.56
8.3
8.04
7.78
7.52
7.26
7
Analysis Result
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Sample Date
Y=0.748E+1 + 0.193E-4x
R^2=0.46074E-1
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R^2=0.26962E-1
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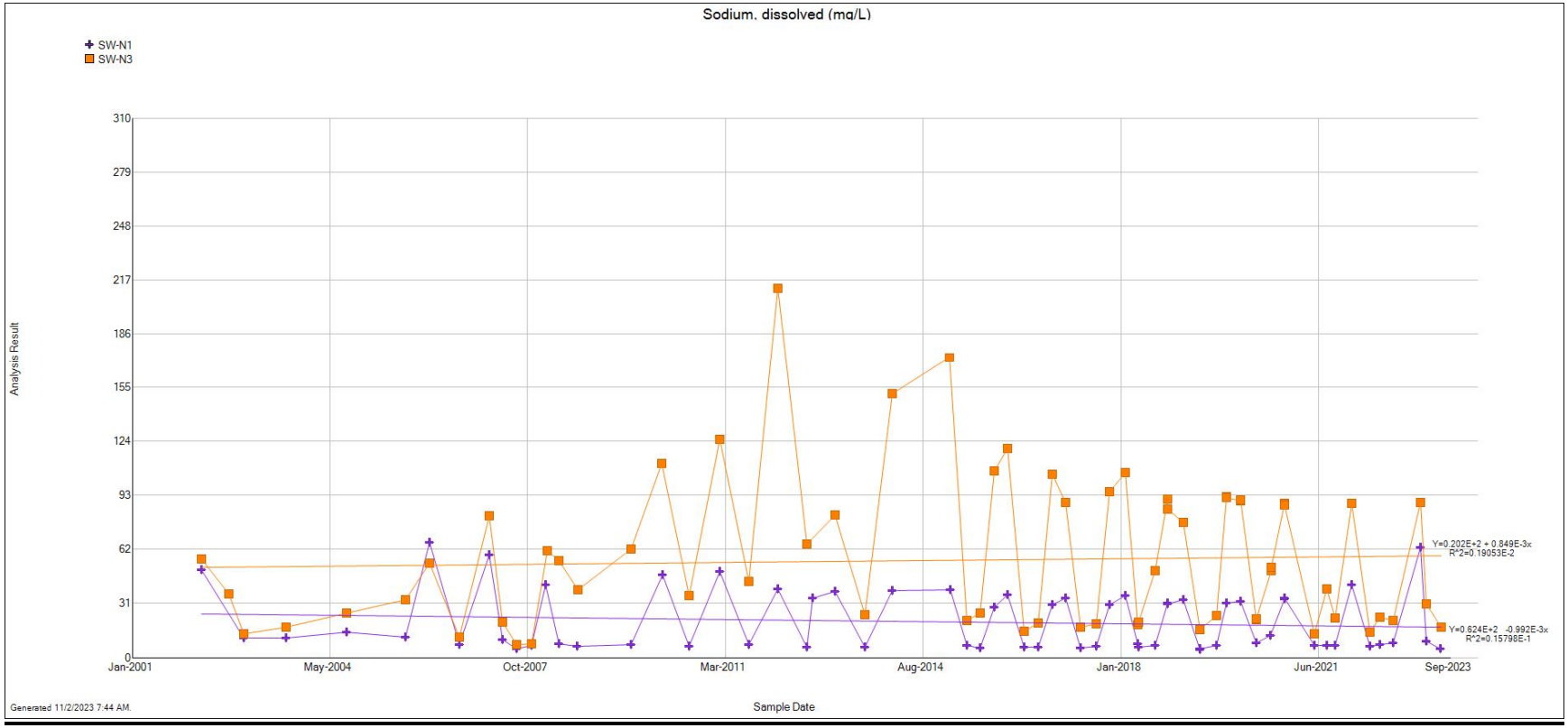
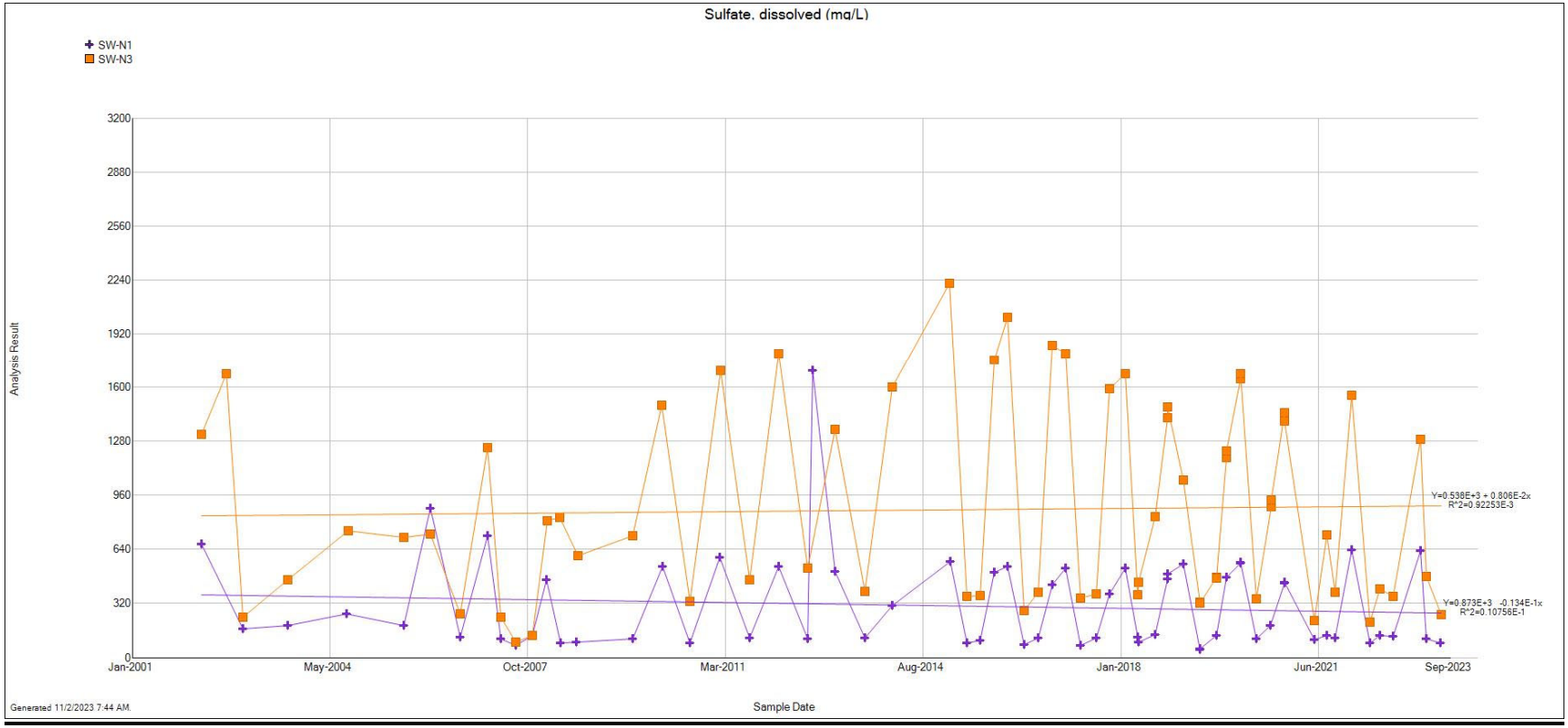
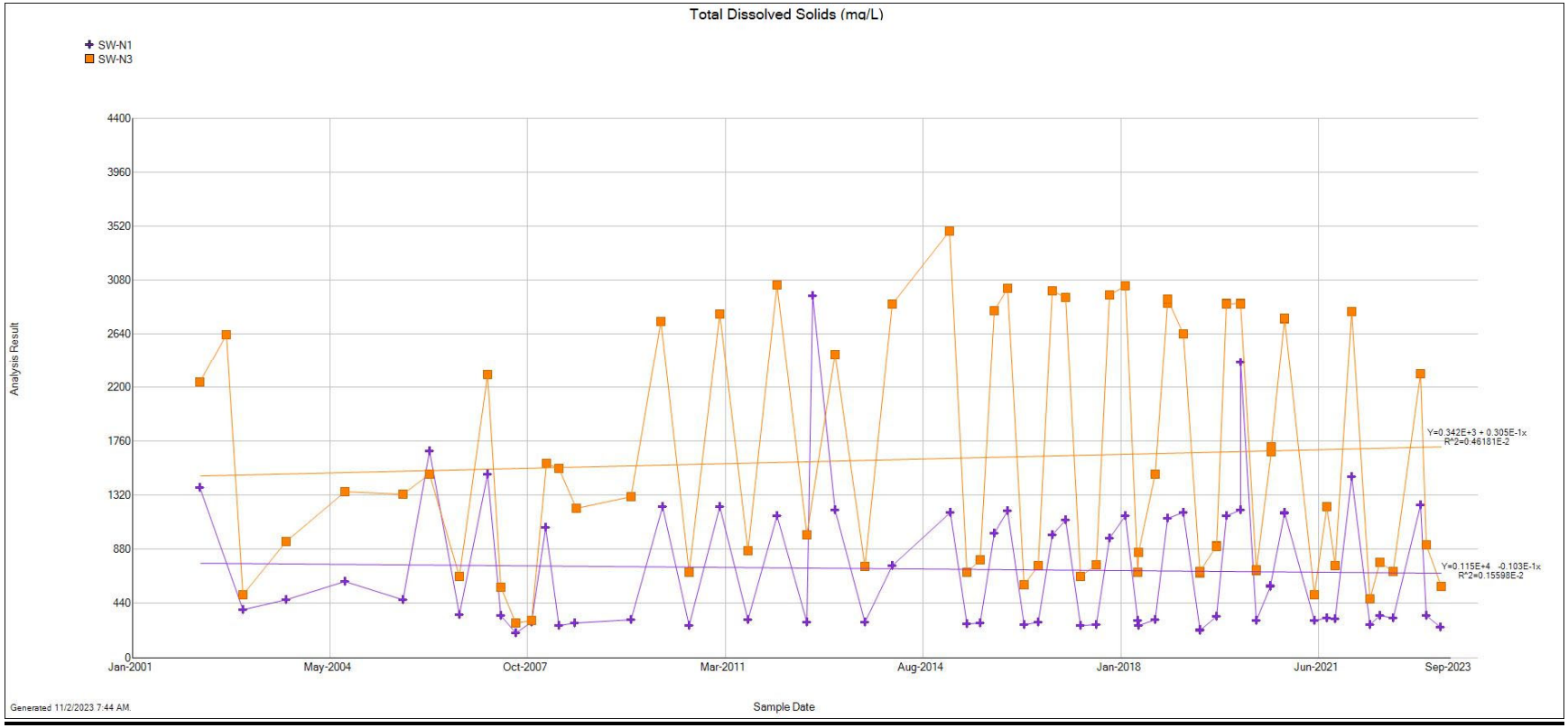

Sodium, dissolved (mg/L)
SW-N1
SW-N3
Analysis Result
310
279
248
217
186
155
124
93
62
31
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.202E+2 + 0.849E-3x
R^2=0.19053E-2
Y=0.624E+2 -0.992E-3x
R^2=0.15798E-1
Generated 11/2/2023 7:44 AM.
Sample Date


Sulfate, dissolved (mg/L)
SW-N1
SW-N3
Analysis Result
3200
2880
2560
2240
1920
1600
1280
960
640
320
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.538E+3 + 0.806E-2x
R^2=0.92253E-3
Y=0.873E+3 -0.134E-1x
R^2=0.10756E-1
Generated 11/2/2023 7:44 AM.
Sample Date


Total Dissolved Solids (mg/L)
SW-N1
SW-N3
Analysis Result
4400
3960
3520
3080
2640
2200
1760
1320
880
440
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.342E+3 + 0.305E-1x
R^2=0.46181E-2
Y=0.115E+4 -0.103E-1x
R^2=0.15598E-2
Generated 11/2/2023 7:44 AM.
Sample Date

Appendix 3
Groundwater Monitoring Data

New Horizon Mine
Analysis Results by Date (column) and Parameter (row)
Date Range: 10/01/2022 to 09/30/2023
Well: GW-N36

	11/15/2022	1/10/2023	4/12/2023	7/18/2023
Al, diss, mg/L	0.047	0.044	0.006	0.87
Alkalinity, lab, mg/L	490	520	610	14
As, diss, mg/L	0.00021	0.00027	<0.00020	0.00022
Ca, diss, mg/L	180	180	180	83
Cation-Anion Bal, %	-5.0	-2.4	-7.0	3.2
Cl, diss, mg/L	25	25	25	33
CO3, mg/L	<2.0	<2.0	<2.0	<2.0
Fe, diss, mg/L	0.25	0.29	0.027	0.062
HCO3, mg/L	490	520	610	14
Hg, diss, mg/L	<0.00020	<0.00020	<0.00020	<0.00020
K, diss, mg/L	25	28	28	2.6
Mg, diss, mg/L	76	82	84	32
Mn, diss, mg/L	0.17	0.13	0.12	0.04
Mo, diss, mg/L	<0.020	<0.020	<0.020	<0.020
Na, diss, mg/L	74	82	85	24
NH3 as N, diss, mg/L	0.74	0.54	0.67	<0.10
NO2, diss, mg/L	<0.010	<0.010	<0.010	<0.010
NO3, diss, mg/L	0.17	0.36	0.28	1.3
Orthophosphate, diss, mg/l	0.037	<0.030	0.13	0.034
Pb, diss, mg/L	0.00034	0.00061	<0.00010	0.00031
pH (field), pH	6.9	7.0	6.9	5.3
pH (lab), pH	7.8	7.2	7.7	5.7
Se, diss, mg/L	<0.00010	<0.00010	<0.00020	0.016
SO4, diss, mg/L	480	470	470	300
Spec. Cond. (field), umhos/cm	1683	1664	1709	749
Spec. Cond. (lab), umhos/cm	1680	1580	1730	738
TDS, mg/L	1200	1600	1300	610
Temp (Celcius), degrees C	12.9	14.1	14.4	15.9
Zinc, diss, mg/l	0.027	0.024	0.021	0.067

New Horizon Mine

Analysis Results by Date (column) and Parameter (row)

Date Range: 10/01/2022 to 09/30/2023

Well: GW-N37

	11/15/2022	1/10/2023	4/12/2023	7/18/2023
Al, diss, mg/L	Dry	Dry	Dry	1.7
Alkalinity, lab, mg/L				<2.0
As, diss, mg/L				<0.0002
Ca, diss, mg/L				71
Cation-Anion Bal, %				2.2
Cl, diss, mg/L				31
CO3, mg/L				2
Fe, diss, mg/L				0.032
HCO3, mg/L				<2.0
Hg, diss, mg/L				<0.0002
K, diss, mg/L				1.6
Mg, diss, mg/L				28
Mn, diss, mg/L				0.027
Mo, diss, mg/L				<0.02
Na, diss, mg/L				22
NH3 as N, diss, mg/L				<0.1
NO2, diss, mg/L				<0.01
NO3, diss, mg/L				1.3
Orthophosphate, diss, mg/l				0.071
Pb, diss, mg/L				0.0018
pH (field), pH				4
pH (lab), pH				4.1
Se, diss, mg/L				0.0028
SO4, diss, mg/L				280
Spec. Cond. (field),				712
Spec. Cond. (lab), umhos/cm				684
TDS, mg/L				530
Temp (Celcius), degrees C				14.1
Zinc, diss, mg/l				0.065

New Horizon Mine
Analysis Results by Date (column) and Parameter (row)
Date Range: 10/01/2022 to 09/30/2023
Well: GW-N38

	11/15/2022	1/10/2023	4/12/2023	7/18/2023
Al, diss, mg/L	Dry	Dry	Dry	Dry
Alkalinity, lab, mg/L				
As, TD, mg/L				
Ca, diss, mg/L				
Cation-Anion Bal, %				
Cl, diss, mg/L				
CO3, mg/L				
Fe, diss, mg/L				
Fe, tot rec, ug/L				
HCO3, mg/L				
Hg, diss, mg/L				
K, diss, mg/L				
Mg, diss, mg/L				
Mn, TD, mg/L				
Mo, diss, mg/L				
Na, diss, mg/L				
NH3 as N, diss, mg/L				
NO2 + NO3, diss, mg/L				
NO2, diss, mg/L				
NO3, diss, mg/L				
pH (field), pH				
pH (lab), pH				
Se, TD, mg/L				
SO4, diss, mg/L				
Spec. Cond. (field), umhos/cm				
Spec. Cond. (lab), umhos/cm				
TDS, mg/L				
Temp (Celcius), degrees C				
Temp (Celcius), degrees C				
Zn, TD, mg/L				

New Horizon Mine

Analysis Results by Date (column) and Parameter (row)

Date Range: 10/01/2021 to 09/30/2022

Well: GW-N44

	11/16/2022	1/10/2023	5/16/2023	7/19/2023
Al, diss, mg/L	<0.0050	0.0056	0.0054	<0.0050
Alkalinity, lab, mg/L	370	370	400	370
As, diss, mg/L	<0.00040	<0.00020	0.00020	0.00034
Ca, diss, mg/L	300	310	280	300
Cation-Anion Bal, %	-2	-1.9	-5.9	0
Cl, diss, mg/L	6.6	6.5	6.6	8.5
CO3, mg/L	<2.0	<2.0	<2.0	<2.0
Fe, diss, mg/L	<0.014	0.011	0.022	0.012
HCO3, mg/L	370	370	400	370
Hg, diss, mg/L	<0.00020	<0.00020	<0.00020	<0.00020
K, diss, mg/L	1.9	2.1	2	1.9
Mg, diss, mg/L	93	100	100	130
Mn, diss, mg/L	<0.010	<0.010	<0.010	<0.010
Mo, diss, mg/L	<0.020	<0.020	<0.020	<0.020
Na, diss, mg/L	29	31	38	59
NH3 as N, diss, mg/L	<0.050	<0.050	<0.050	<0.10
NO2, diss, mg/L	<0.010	<0.010	<0.010	<0.010
NO3, diss, mg/L	0.065	0.061	0.085	0.14
Orthophosphate, diss, mg/l	<0.030	<0.030	0.034	0.059
Pb, diss, mg/L	0.00016	<0.00010	0.00054	<0.00010
pH (field), pH	7.2	7.2	7.3	7.4
pH (lab), pH	8.0	7.4	8.2	7.7
Se, diss, mg/L	0.0023	0.0026	0.0019	0.0032
SO4, diss, mg/L	820	920	910	990
Spec. Cond. (field), umhos/cm	1894	1996	1861	2056
Spec. Cond. (lab), umhos/cm	1900	1930	1870	2040
TDS, mg/L	1620	1740	1610	1900
Temp (Celcius), degrees C	9.7	10.1	10.9	13
Zinc, diss, mg/l	<0.020	<0.020	0.030	<0.020

New Horizon Mine

Analysis Results by Date (column) and Parameter (row)

Date Range: 10/01/2022 to 09/30/2023

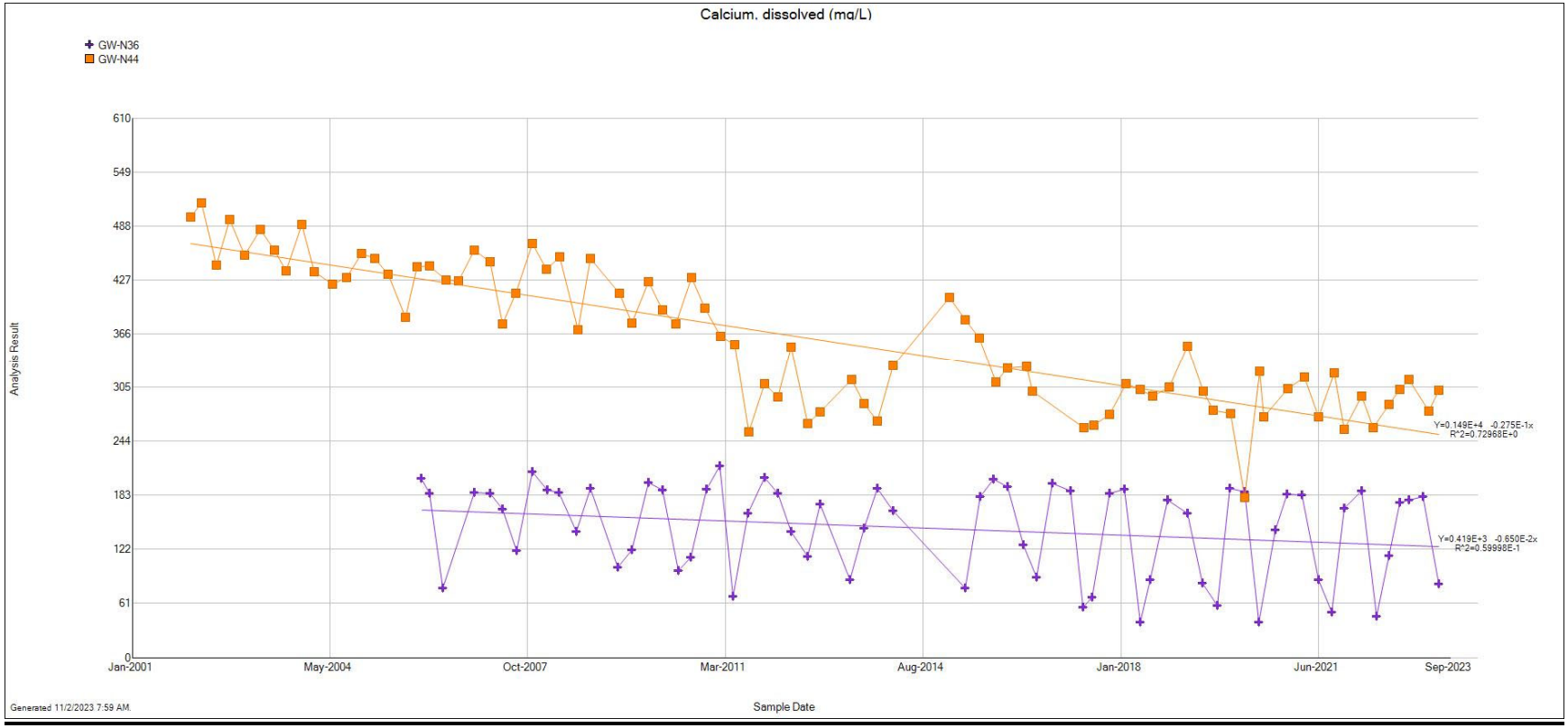
Well: GW-N45

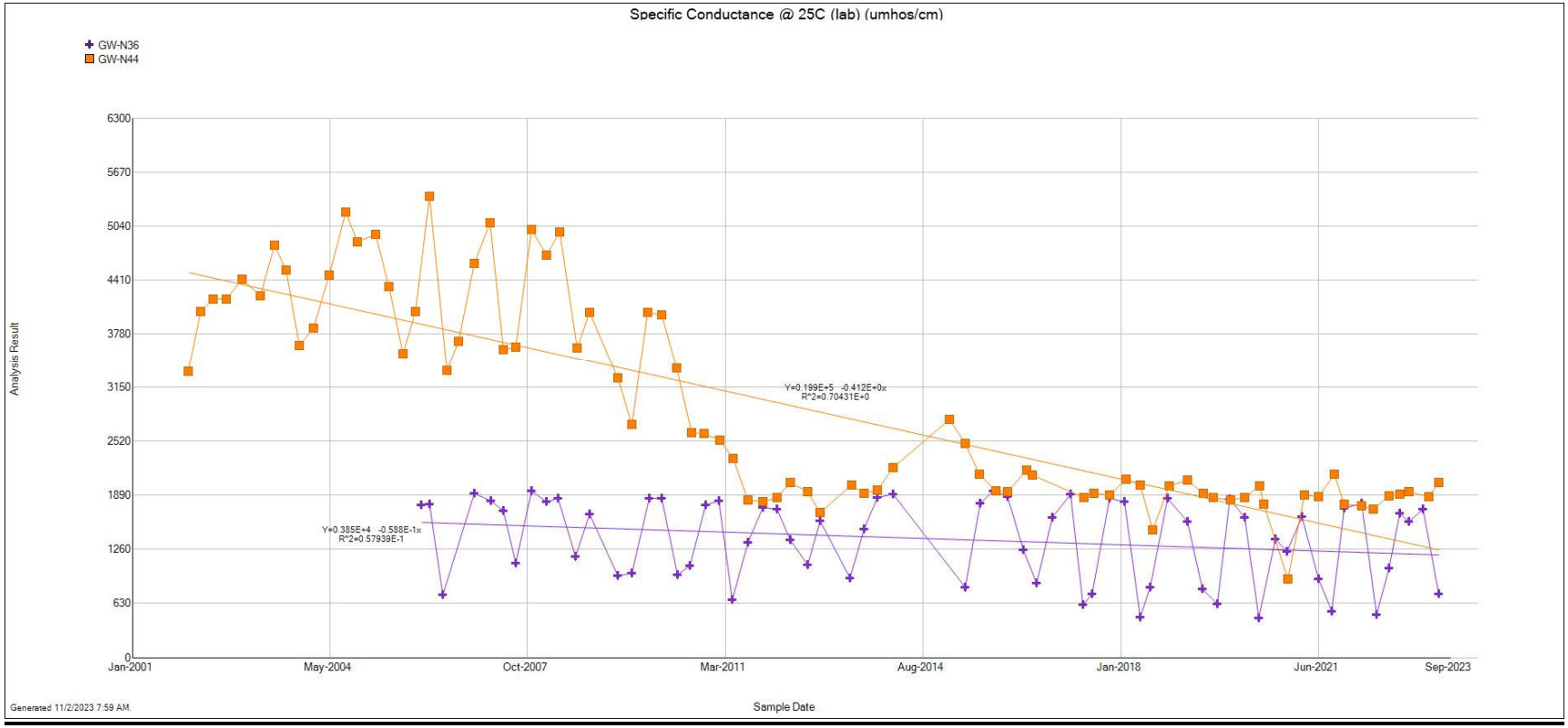
	11/16/2022	1/10/2023	5/17/2023	7/19/2023
Al, diss, mg/L	0.0082	0.011	0.074	0.014
Alkalinity, lab, mg/L	1170	1270	1190	1250
As, diss, mg/L	0.00052	0.0012	0.0013	0.0025
Ca, diss, mg/L	20	20	34	23
Cation-Anion Bal, %	-2.1	-6.1	-3.8	-2
Cl, diss, mg/L	51	61	58	54
CO3, mg/L	110	22	96	39
Fe, diss, mg/L	0.017	0.028	0.072	0.039
HCO3, mg/L	1200	1300	1200	1200
Hg, diss, mg/L	<0.00020	<0.00020	<0.00020	<0.00020
K, diss, mg/L	6.8	7.4	8.6	7.5
Mg, diss, mg/L	160	160	270	180
Mn, diss, mg/L	0.12	0.14	0.21	0.14
Mo, diss, mg/L	<0.040	<0.040	<0.040	<0.020
Na, diss, mg/L	740	730	870	760
NH3 as N, diss, mg/L	1.1	0.92	1.2	0.1
NO2, diss, mg/L	<0.010	<0.010	<0.10	<0.010
NO3, diss, mg/L	<0.20	<0.40	<0.20	<0.20
Orthophosphate, diss, mg/l	0.25	0.84	0.32	0.34
Pb, diss, mg/L	0.00015	0.00023	0.00045	0.0002
pH (field), pH	8.5	8.1	8.1	8.1
pH (lab), pH	8.6	8.3	8.5	8.3
Se, diss, mg/L	0.023	<0.00020	<0.00020	<0.00010
SO4, diss, mg/L	1000	1200	1900	1200
Spec. Cond. (field), umhos/cm	3821	4026	4627	3917
Spec. Cond. (lab), umhos/cm	3870	3790	4880	3990
TDS, mg/L	2830	2800	3820	3020
Temp (Celcius), degrees C	10.3	10.4	13.2	14.7
Zinc, diss, mg/l	<0.04	<0.04	<0.04	<0.04

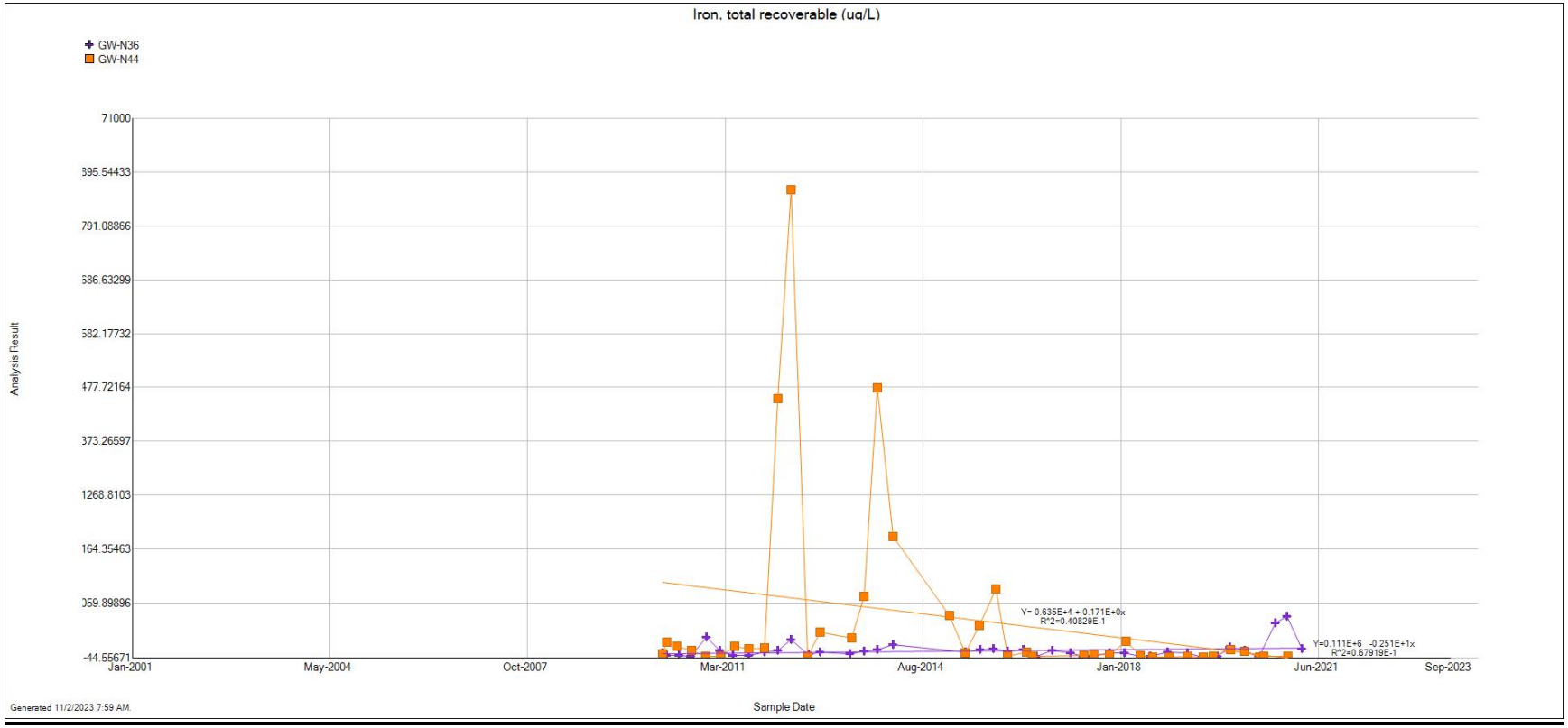
New Horizon Mine
Analysis Results by Date (column) and Parameter (row)
Date Range: 10/01/2022 to 09/30/2023
Well: GW-N46

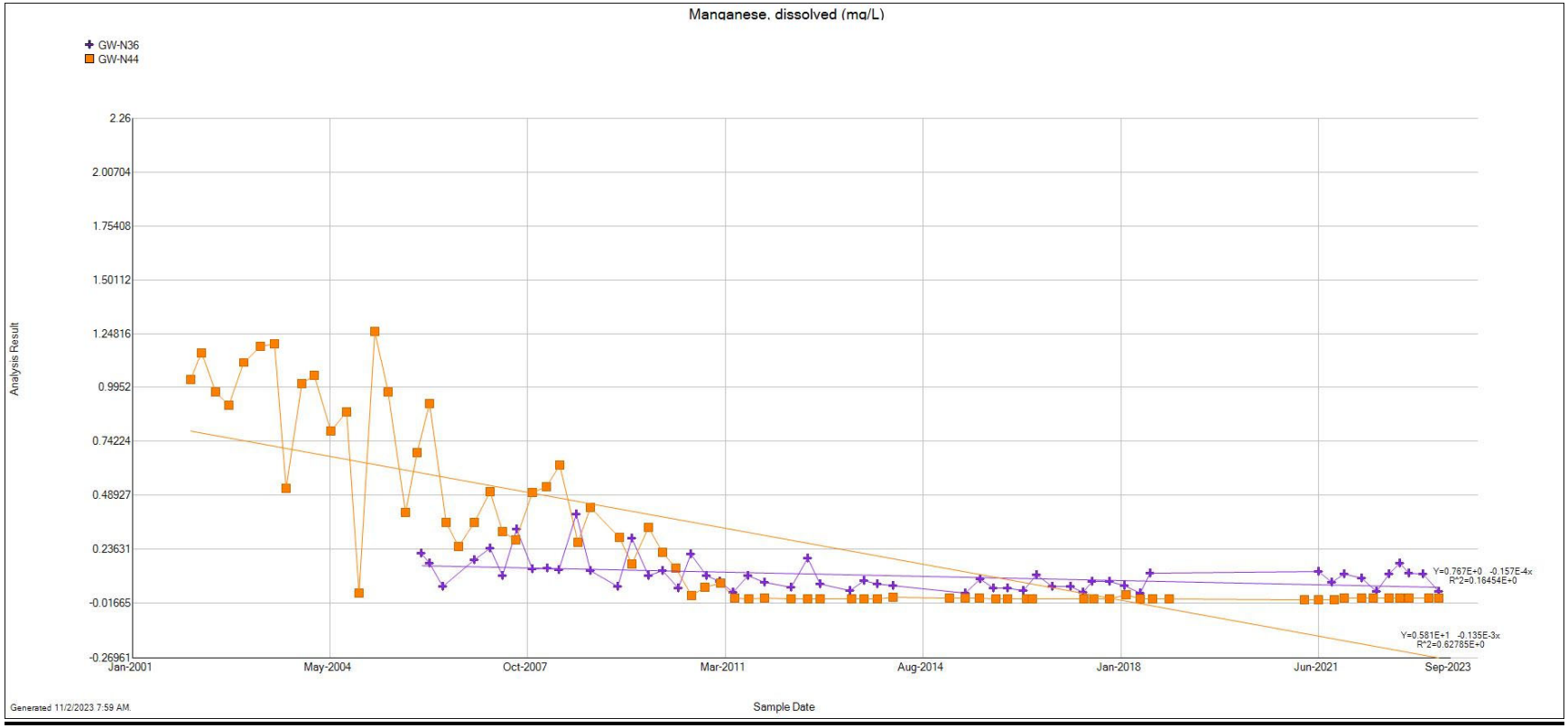
	11/16/2022	1/10/2023	5/17/2023	7/19/2023
Al, diss, mg/L	0.026	0.03	0.013	0.02
Alkalinity, lab, mg/L	1090	1190	1150	1250
As, diss, mg/L	<0.00040	<0.00020	<0.00020	<0.00020
Ca, diss, mg/L	5.6	5.5	5.2	5.4
Cation-Anion Bal, %	-4.6	-7.7	-7.5	-13.5
Cl, diss, mg/L	86	97	100	93
CO3, mg/L	180	110	180	230
Fe, diss, mg/L	0.034	0.026	0.011	0.047
HCO3, mg/L	1100	1200	1200	1000
Hg, diss, mg/L	<0.00020	<0.00020	<0.00020	<0.00020
K, diss, mg/L	6.2	6.7	6.1	6.2
Mg, diss, mg/L	4	4.1	4	3.96
Mn, diss, mg/L	<0.010	<0.010	<0.010	<0.010
Mo, diss, mg/L	<0.020	<0.020	<0.020	<0.020
Na, diss, mg/L	680	660	700	700
NH3 as N, diss, mg/L	0.82	0.66	0.72	0.84
NO2, diss, mg/L	<0.010	<0.010	<0.10	<0.010
NO3, diss, mg/L	<0.20	<0.40	<0.20	<0.20
Orthophosphate, diss, mg/l	0.92	1.3	0.47	0.43
Pb, diss, mg/L	0.00027	0.00025	<0.00010	0.00027
pH (field), pH	8.6	8.6	8.5	8.6
pH (lab), pH	8.9	8.7	9.0	8.8
Se, diss, mg/L	0.011	0.025	<0.00010	<0.00010
SO4, diss, mg/L	290	280	330	700
Spec. Cond. (field), umhos/cm	2876	2883	2767	2853
Spec. Cond. (lab), umhos/cm	2870	2750	2910	2780
TDS, mg/L	1960	1880	1890	1930
Temp (Celcius), degrees C	9.98	10.6	12.3	12.5
Zinc, diss, mg/l	<0.020	<0.020	<0.020	<0.020

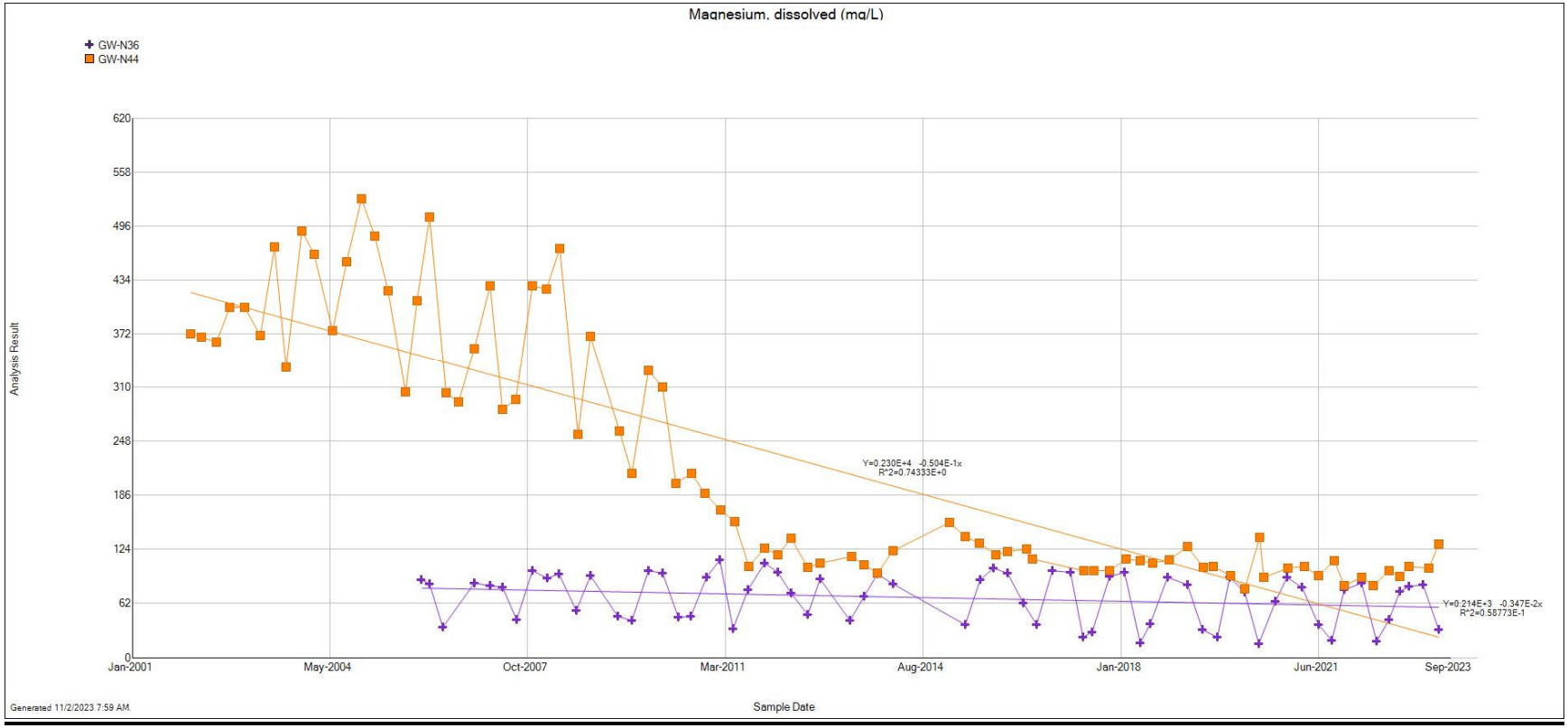
Appendix 4
Groundwater Monitoring Graphs

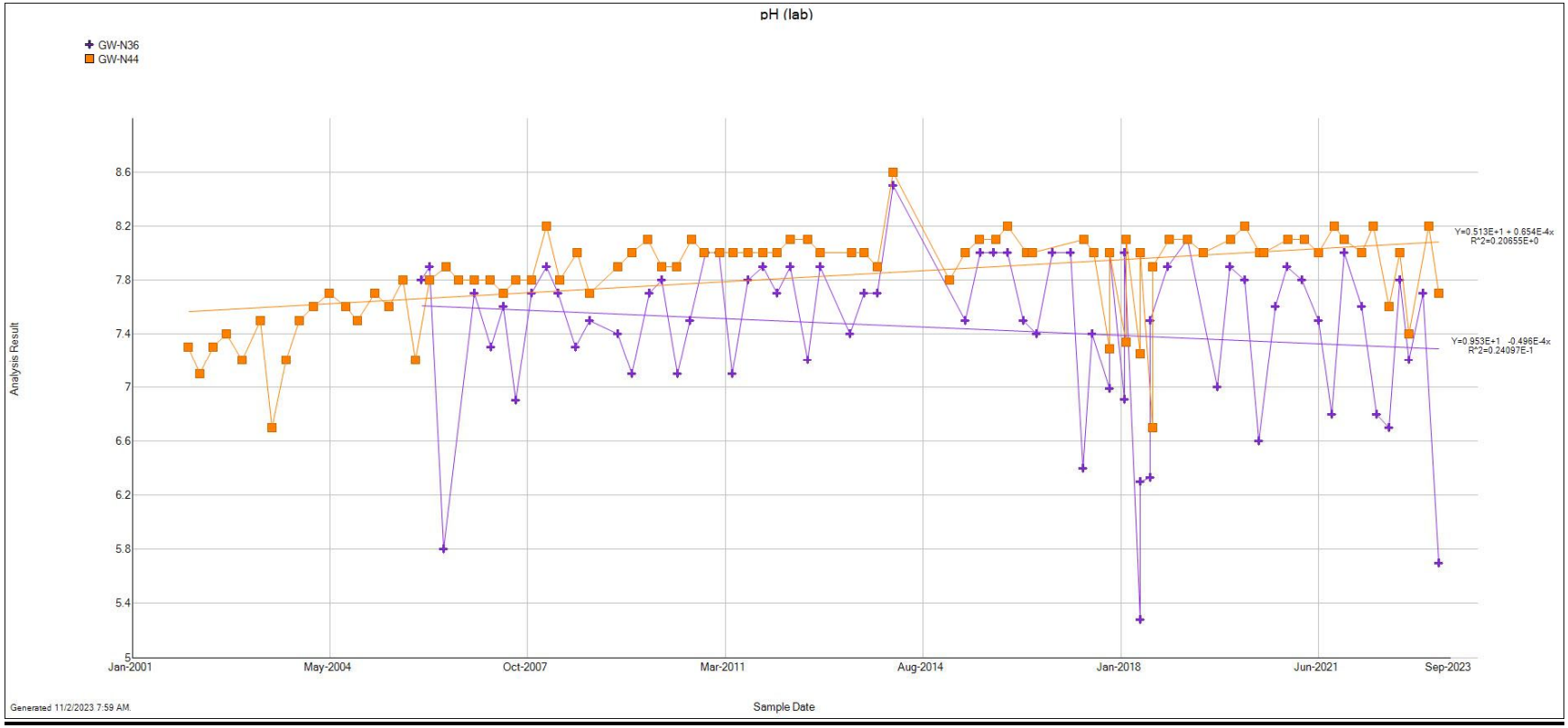

Calcium, dissolved (mg/L)
GW-N36
GW-N44
610
549
488
427
366
305
244
183
122
61
0
Analysis Result
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Sample Date
Y=0.149E+4 -0.275E-1x
R^2=0.72968E+0
Y=0.419E+3 -0.650E-2x
R^2=0.59998E-1
Generated 11/2/2023 7:59 AM.

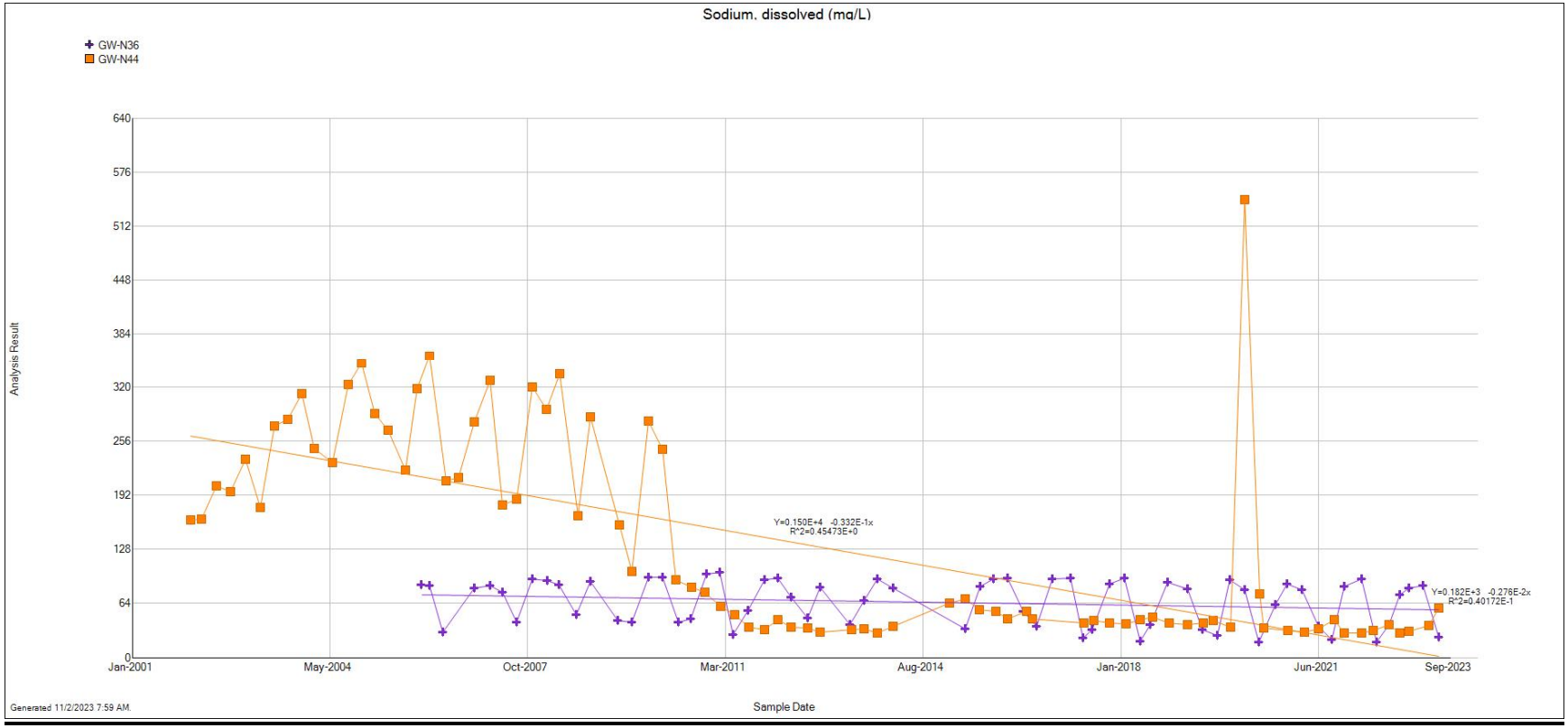

Specific Conductance @ 25C (lab) (umhos/cm)
GW-N36
GW-N44
Analysis Result
6300
5670
5040
4410
3780
3150
2520
1890
1260
630
0
Y=0.199E+5 -0.412E+0x
R^2=0.70431E+0
Y=0.385E+4 -0.588E-1x
R^2=0.57939E-1
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Generated 11/2/2023 7:59 AM.
Sample Date

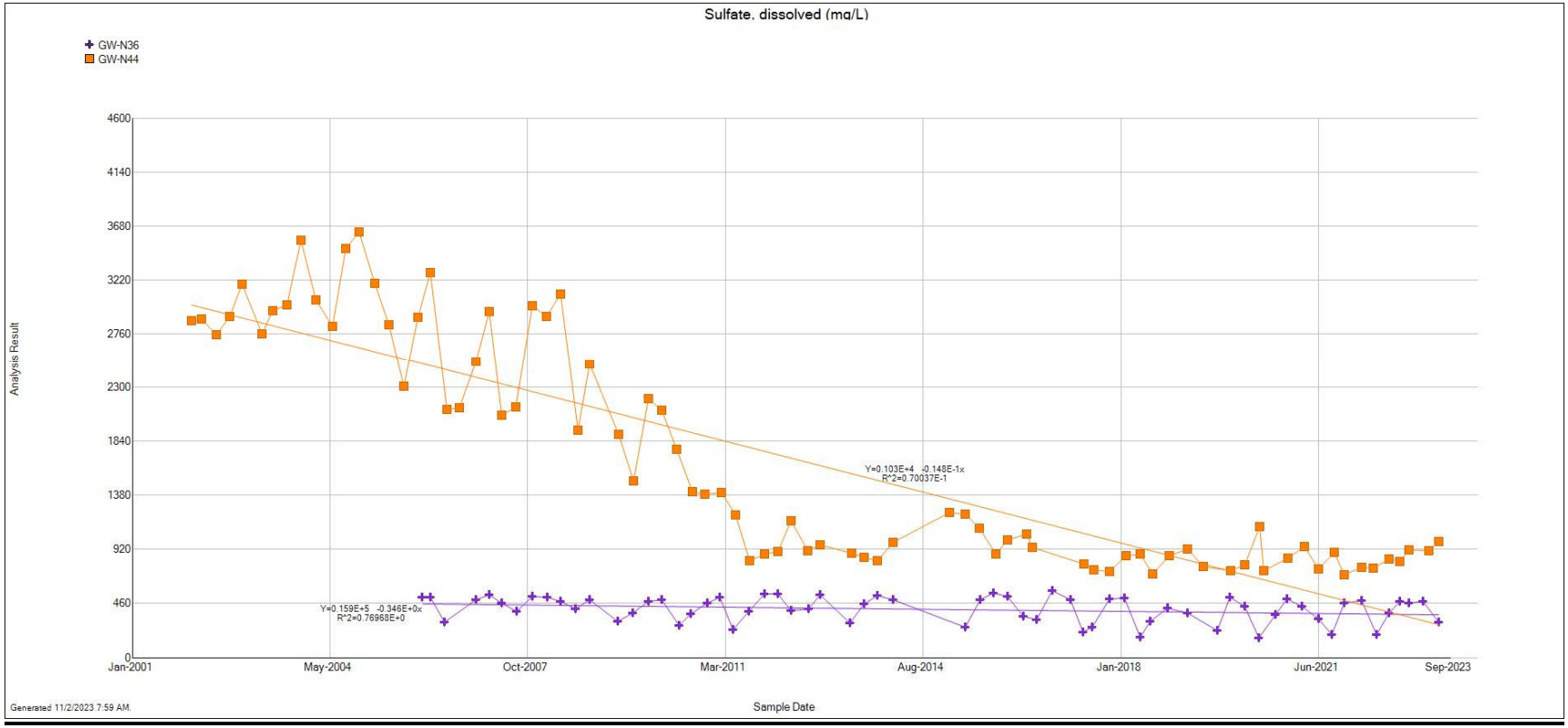

Iron, total recoverable (ug/L)
GW-N36
GW-N44
71000
395.54433
791.08866
586.63299
582.17732
477.72164
373.26597
1268.8103
164.35463
059.89896
-44.55671
Analysis Result
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Sample Date
Y=-0.635E+4 + 0.171E+0x
R^2=0.40829E-1
Y=0.111E+6 -0.251E+1x
R^2=0.67919E-1
Generated 11/2/2023 7:59 AM.

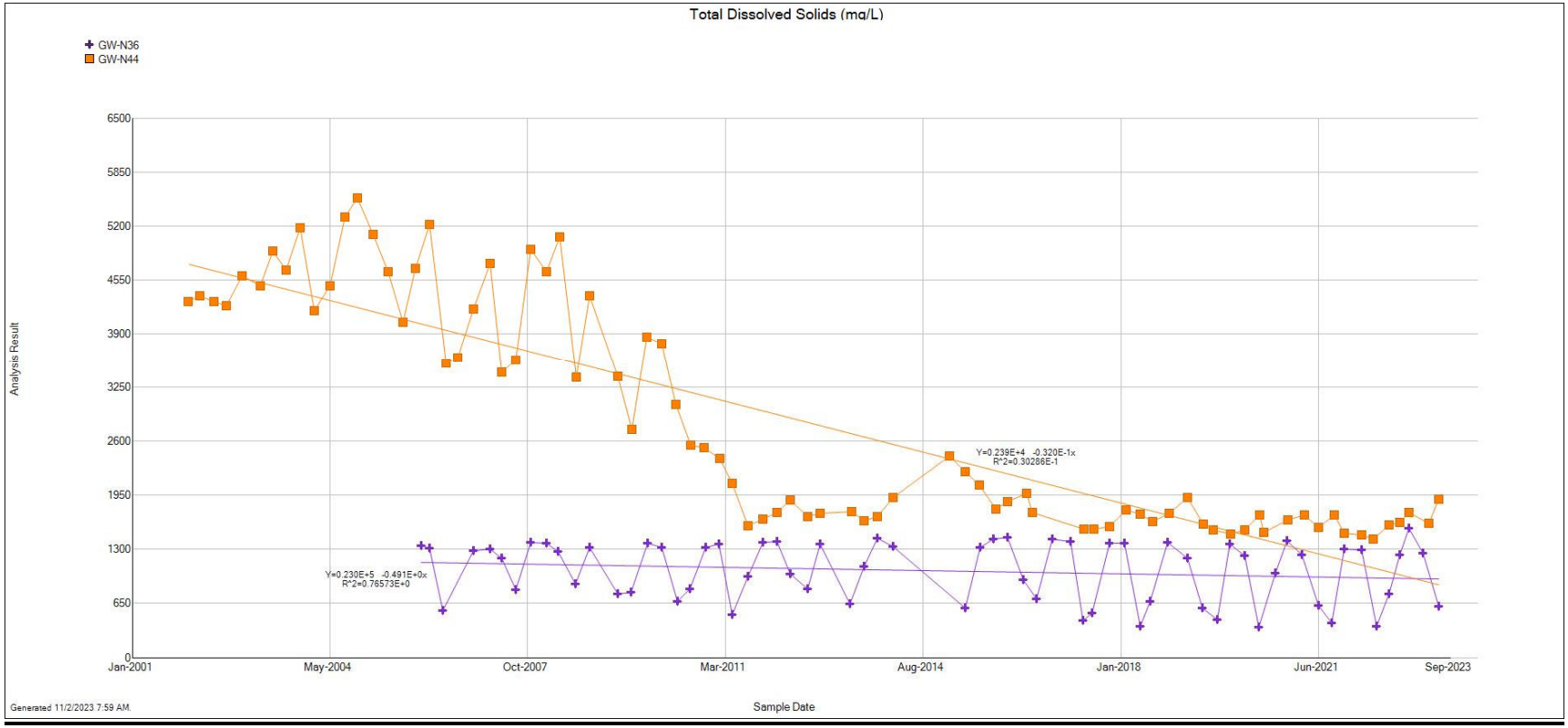

Manganese, dissolved (mg/L)
GW-N36
GW-N44
Analysis Result
2.26
2.00704
1.75408
1.50112
1.24816
0.9952
0.74224
0.48927
0.23631
-0.01665
-0.26961
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.767E+0 -0.157E-4x
R^2=0.16454E+0
Y=0.581E+1 -0.135E-3x
R^2=0.62785E+0
Generated 11/2/2023 7:59 AM.
Sample Date

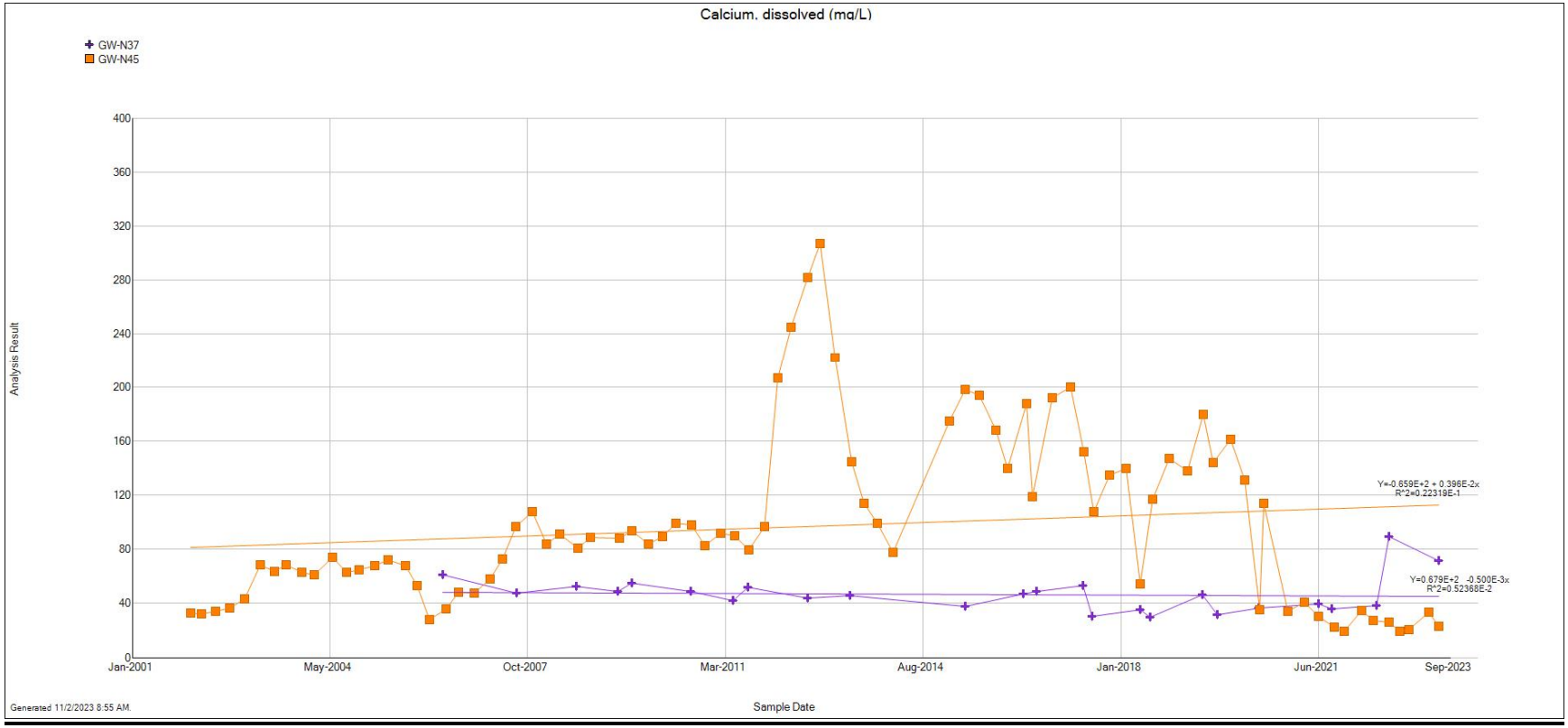

Magnesium, dissolved (mg/L)
GW-N36
GW-N44
620
558
496
434
372
310
248
186
124
62
0
Analysis Result
Y=0.230E+4 -0.504E-1x
R^2=0.74333E+0
Y=0.214E+3 -0.347E-2x
R^2=0.58773E-1
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Sample Date
Generated 11/2/2023 7:59 AM.

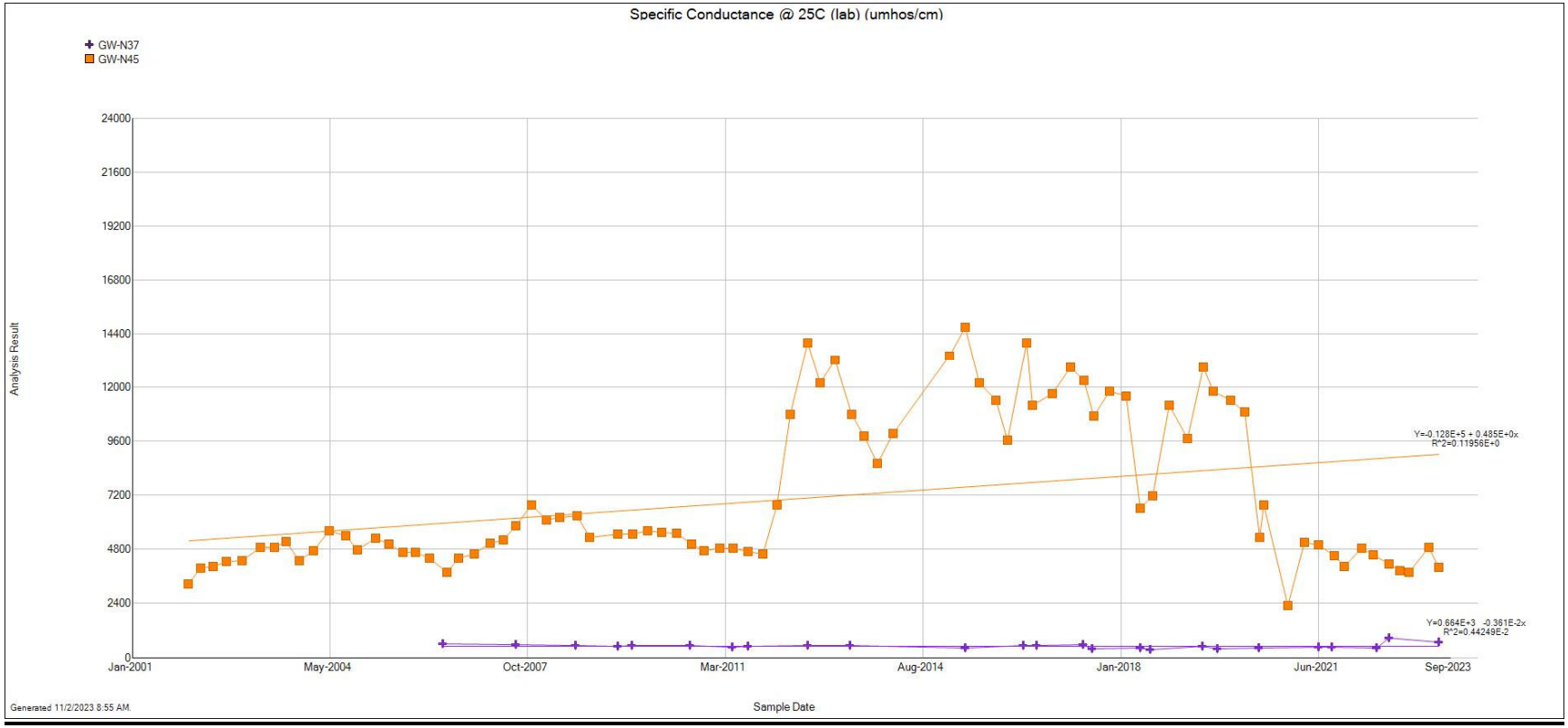

pH (lab)
GW-N36
GW-N44
Analysis Result
8.6
8.2
7.8
7.4
7
6.6
6.2
5.8
5.4
5
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.513E+1 + 0.654E-4x
R^2=0.20655E+0
Y=0.953E+1 -0.496E-4x
R^2=0.24097E-1
Generated 11/2/2023 7:59 AM.
Sample Date

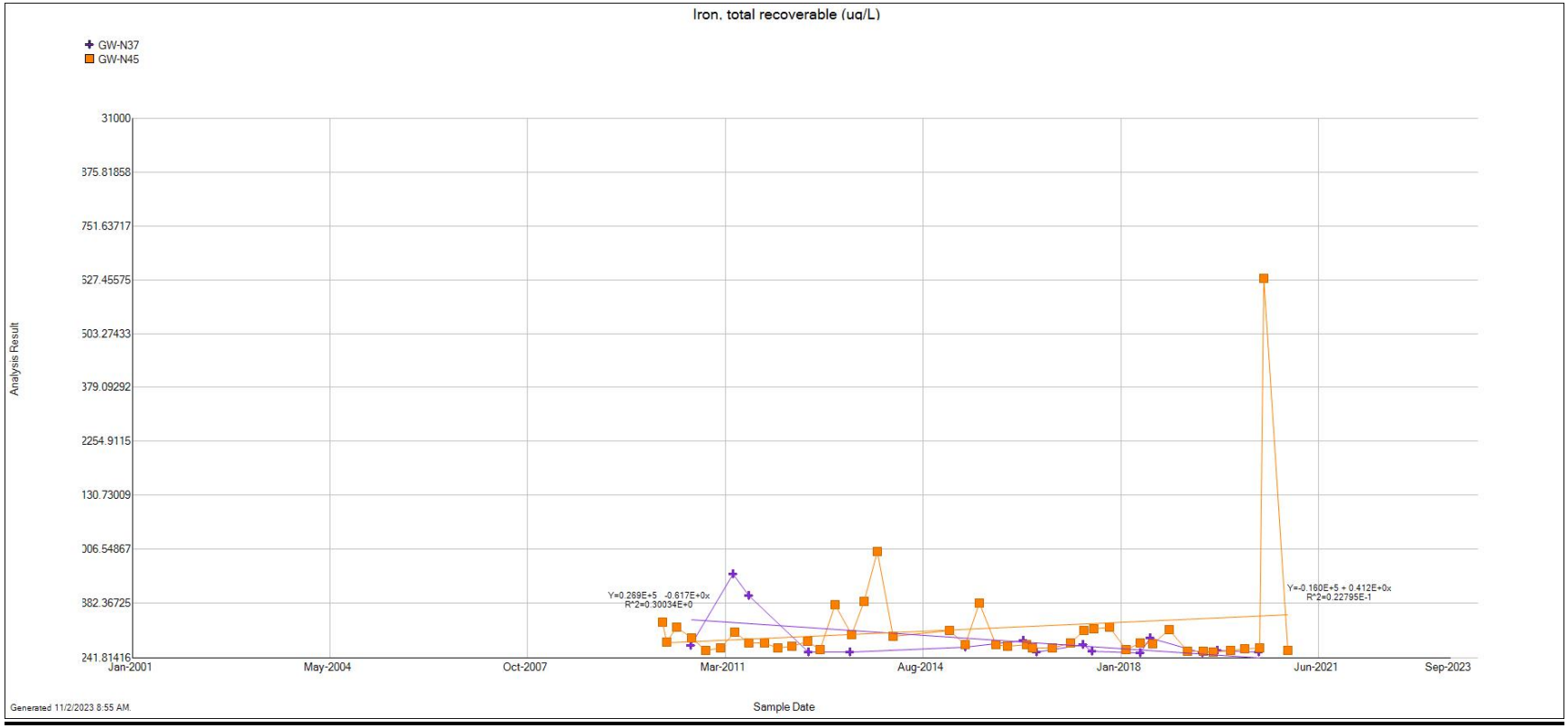

Sodium, dissolved (mg/L)
GW-N36
GW-N44
Analysis Result
640
576
512
448
384
320
256
192
128
64
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.150E+4 -0.332E-1x
R^2=0.45473E+0
Y=0.182E+3 -0.276E-2x
R^2=0.40172E-1
Generated 11/2/2023 7:59 AM.
Sample Date

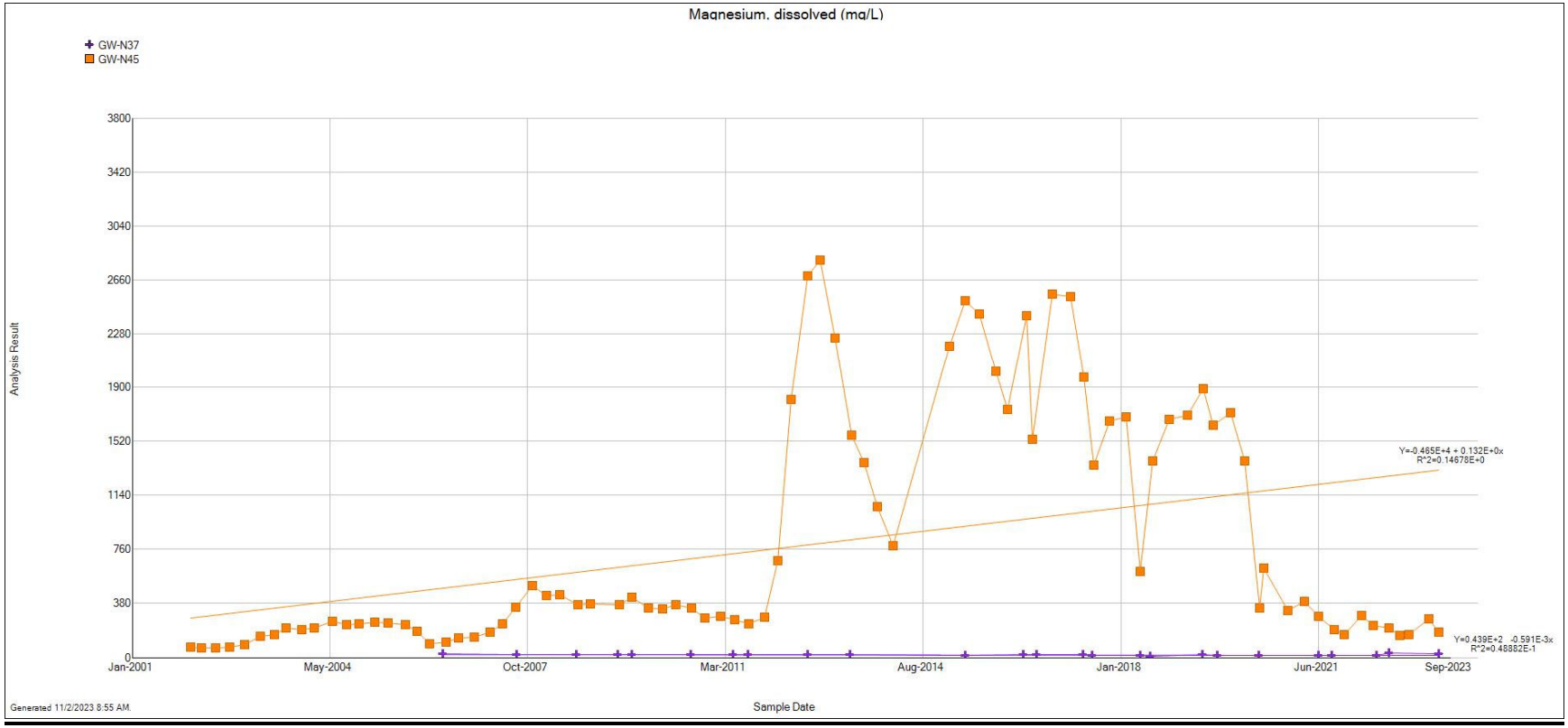

Sulfate, dissolved (mg/L)
GW-N36
GW-N44
Analysis Result
4600
4140
3680
3220
2760
2300
1840
1380
920
460
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.103E+4 -0.148E-1x
R^2=0.70037E-1
Y=0.159E+5 -0.348E+0x
R^2=0.76968E+0
Generated 11/2/2023 7:59 AM.
Sample Date

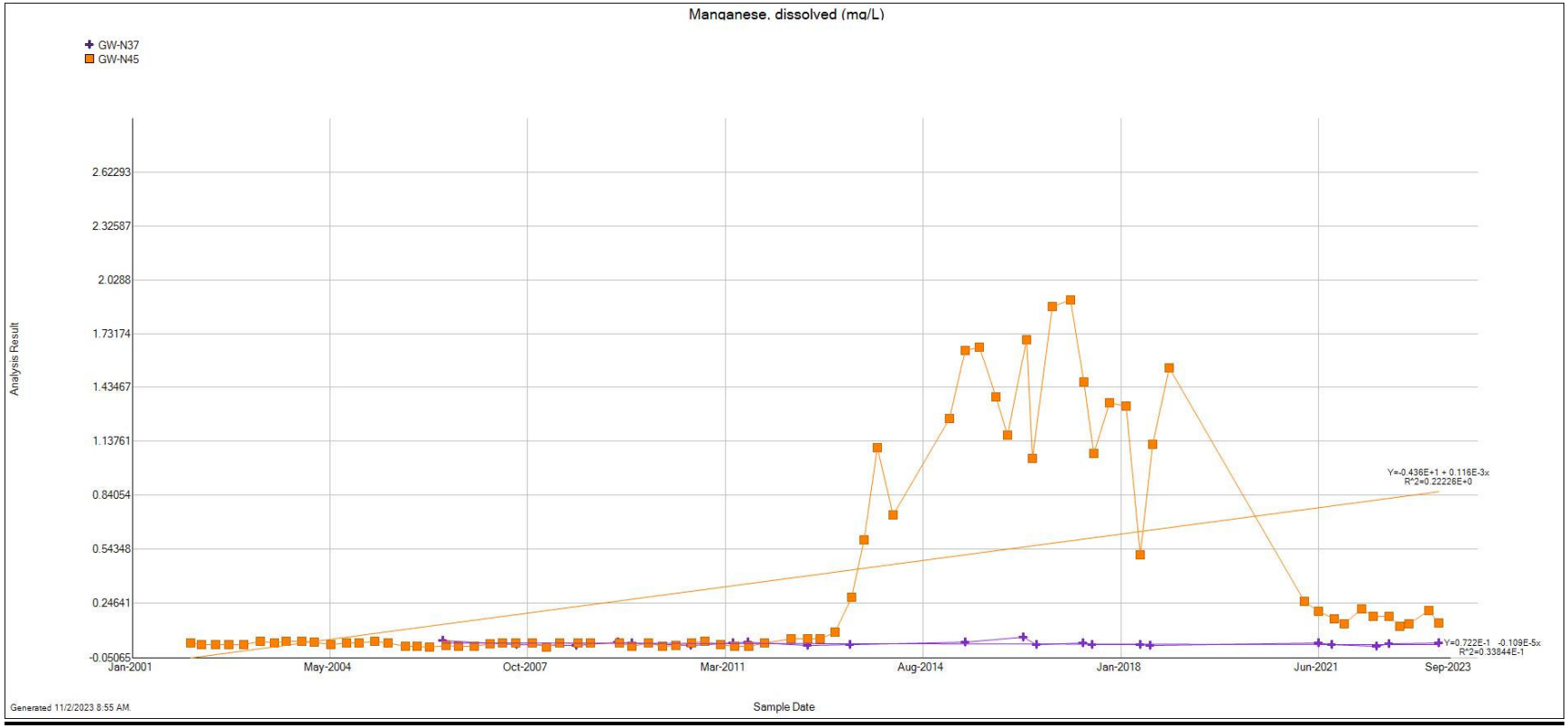

Total Dissolved Solids (mg/L)
GW-N36
GW-N44
Analysis Result
6500
5850
5200
4550
3900
3250
2600
1950
1300
650
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.239E+4 -0.320E-1x
R^2=0.30286E-1
Y=0.230E+5 -0.491E+0x
R^2=0.76573E+0
Generated 11/2/2023 7:59 AM.
Sample Date

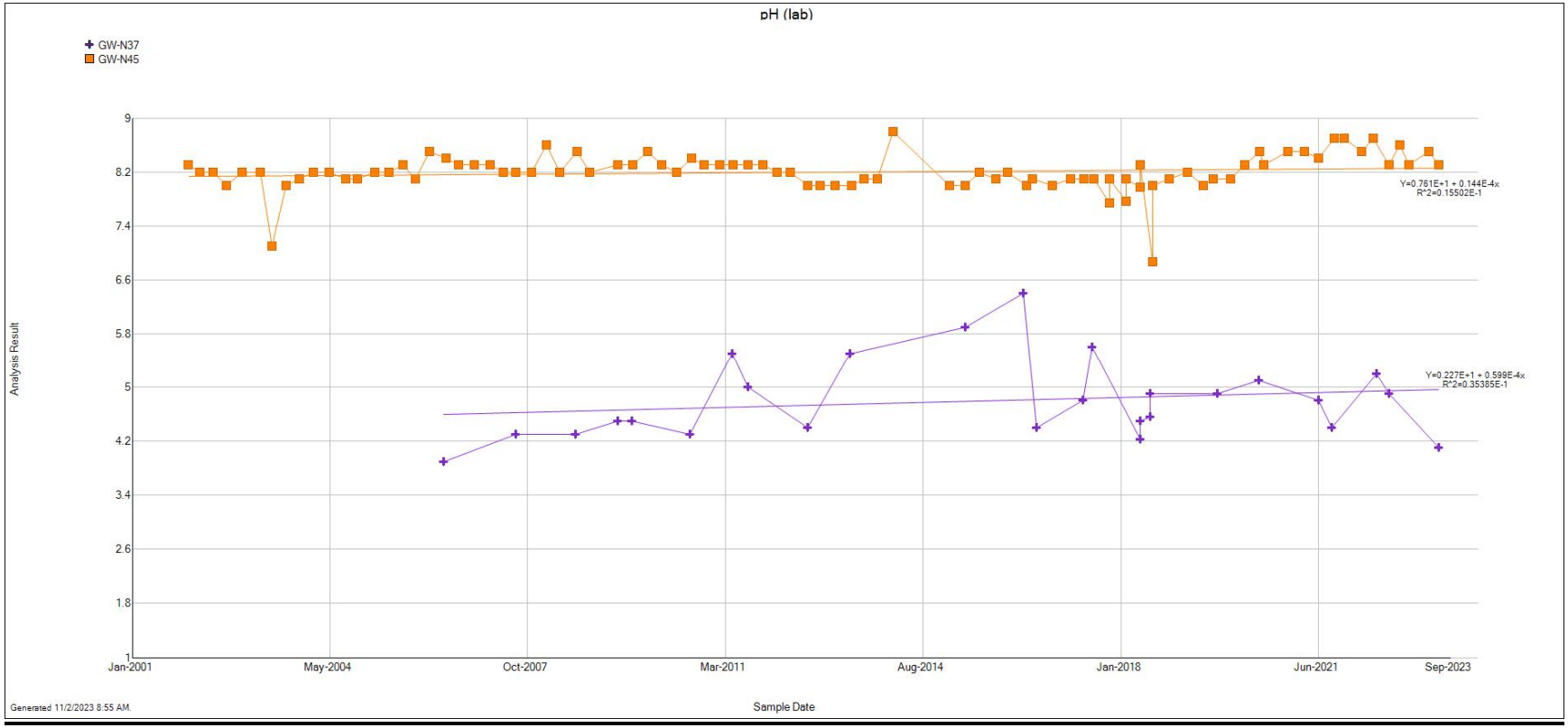

Calcium, dissolved (mg/L)
GW-N37
GW-N45
Analysis Result
400
360
320
280
240
200
160
120
80
40
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=-0.659E+2 + 0.396E-2x
R^2=0.22319E-1
Y=0.679E+2 -0.500E-3x
R^2=0.52368E-2
Generated 11/2/2023 8:55 AM.
Sample Date

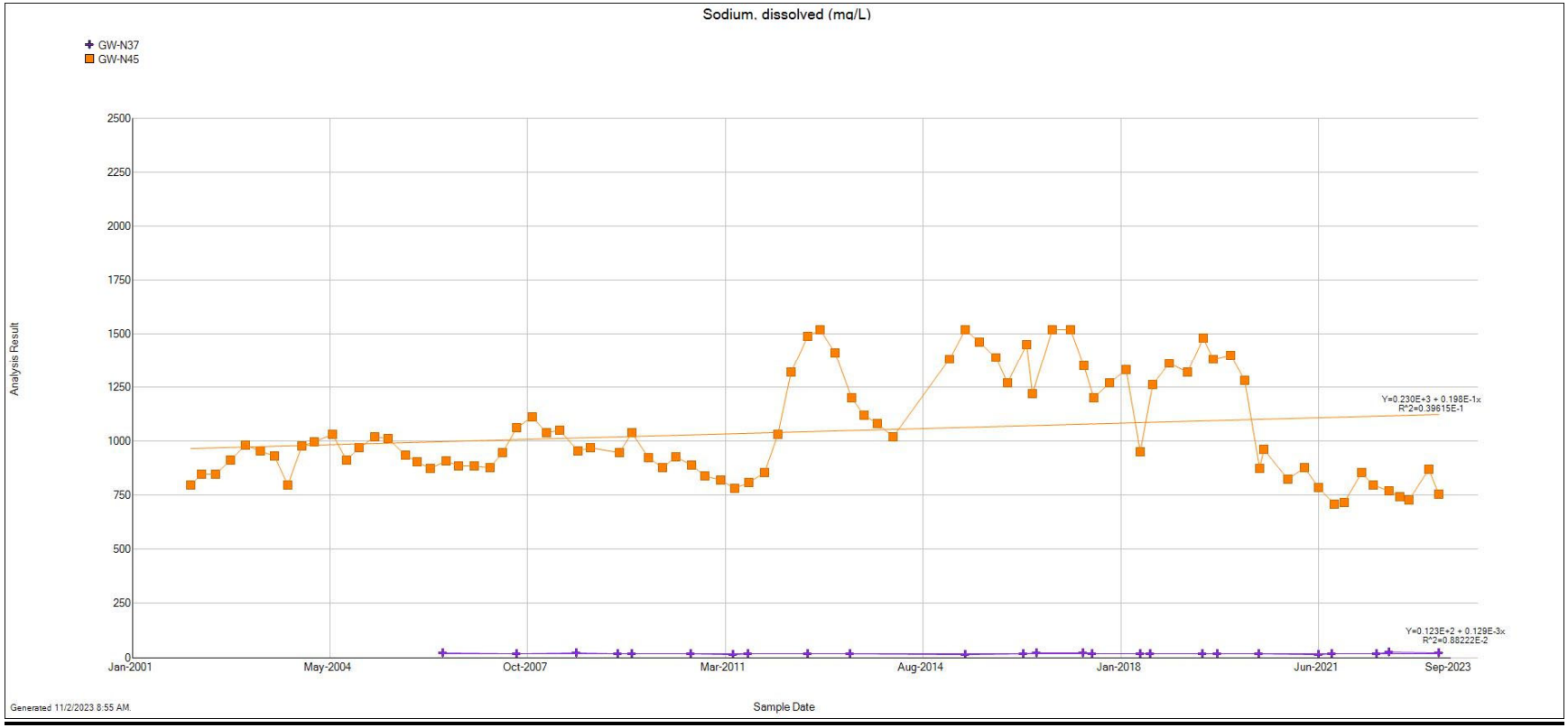

Specific Conductance @ 25C (lab) (umhos/cm)
GW-N37
GW-N45
Analysis Result
24000
21600
19200
16800
14400
12000
9600
7200
4800
2400
0
Y=-0.128E+5 + 0.485E+0x
R^2=0.11956E+0
Y=0.664E+3 -0.361E-2x
R^2=0.44249E-2
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Generated 11/2/2023 8:55 AM.
Sample Date

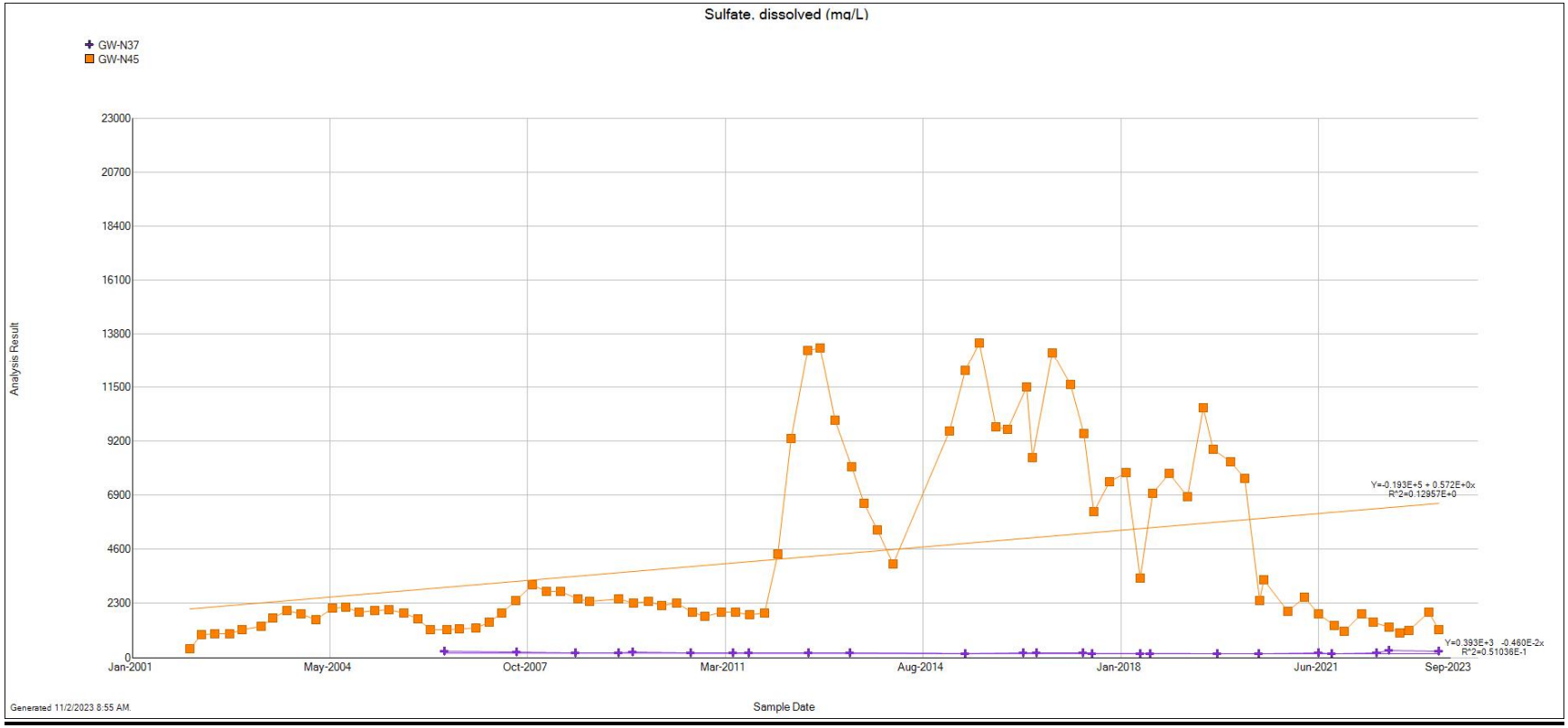

Iron, total recoverable (ug/L)
GW-N37
GW-N45
31000
375.81858
751.63717
527.45575
503.27433
379.09292
2254.9115
130.73009
006.54867
382.36725
241.81416
Analysis Result
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Sample Date
Y=0.269E+5 -0.617E+0x
R^2=0.30034E+0
Y=-0.160E+5 + 0.412E+0x
R^2=0.22795E-1
Generated 11/2/2023 8:55 AM.

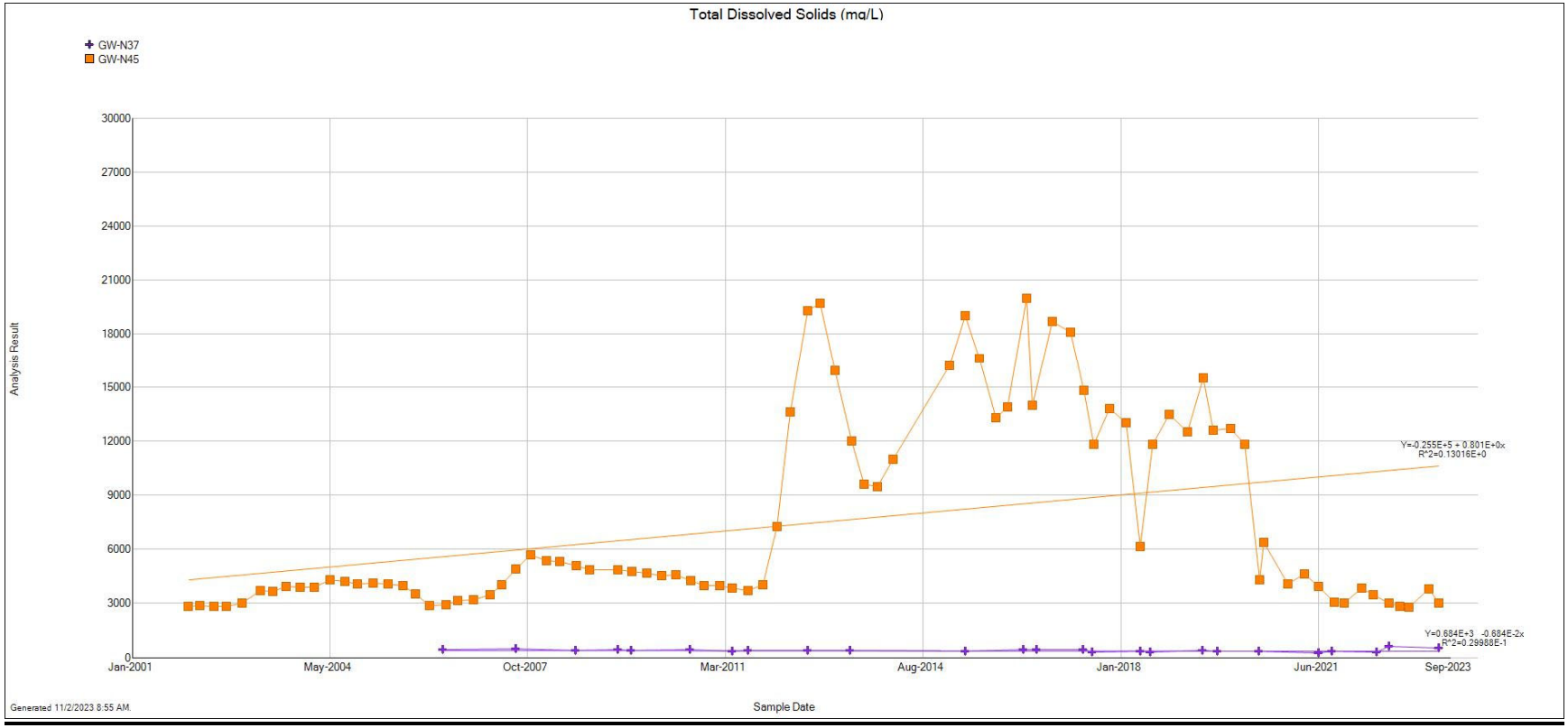

Magnesium, dissolved (mg/L)
GW-N37
GW-N45
Analysis Result
3800
3420
3040
2660
2280
1900
1520
1140
760
380
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=-0.465E+4 + 0.132E+0x
R^2=0.14678E+0
Y=0.439E+2 - 0.591E-3x
R^2=0.48882E-1
Generated 11/2/2023 8:55 AM.
Sample Date

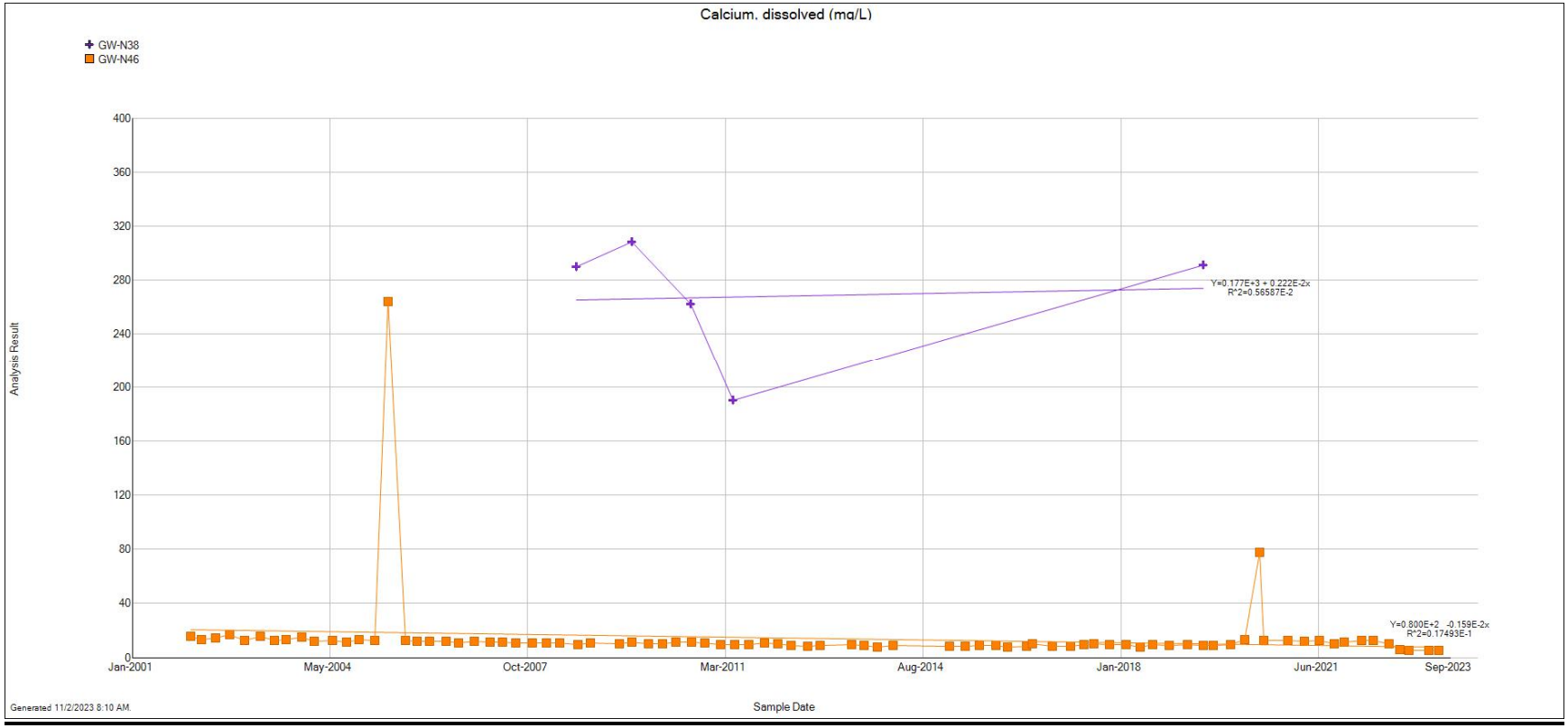

Manganese, dissolved (mg/L)
GW-N37
GW-N45
Analysis Result
2.62293
2.32587
2.0288
1.73174
1.43467
1.13761
0.84054
0.54348
0.24641
-0.05065
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=-0.436E+1 + 0.116E-3x
R^2=0.22226E+0
Y=0.722E-1 -0.109E-5x
R^2=0.33844E-1
Generated 11/2/2023 8:55 AM.
Sample Date

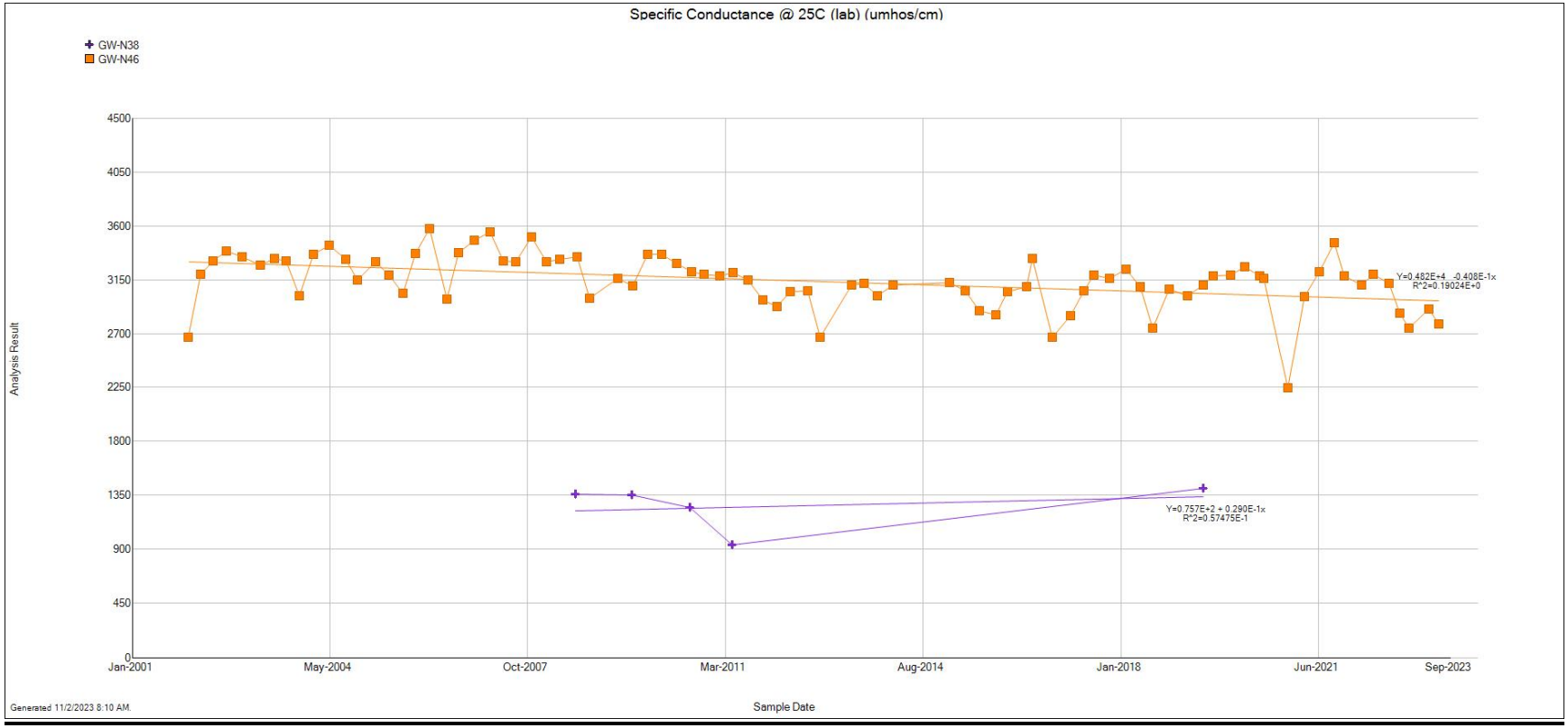

pH (lab)
GW-N37
GW-N45
Analysis Result
9
8.2
7.4
6.6
5.8
5
4.2
3.4
2.6
1.8
1
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.761E+1 + 0.144E-4x
R^2=0.15502E-1
Y=0.227E+1 + 0.599E-4x
R^2=0.35385E-1
Generated 11/2/2023 8:55 AM.
Sample Date

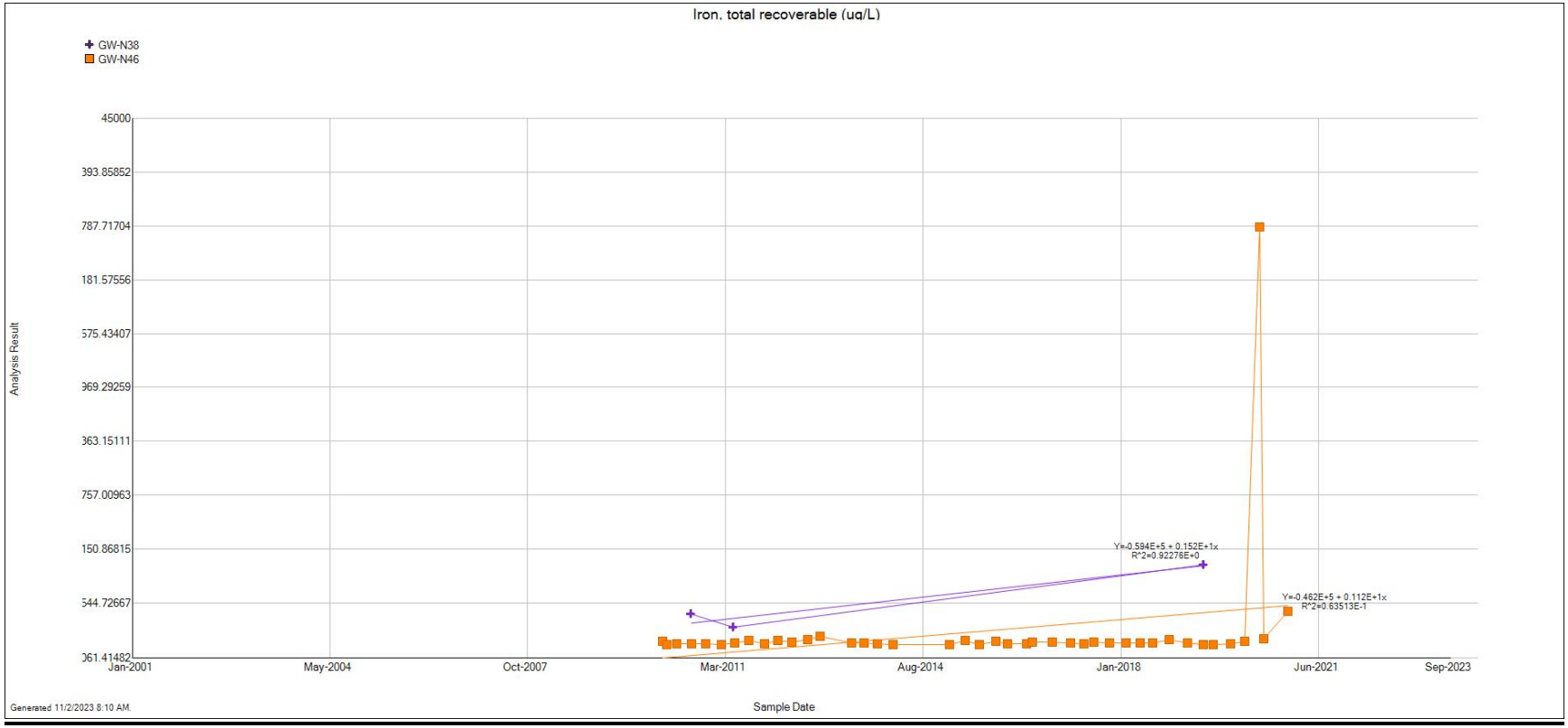

Sodium, dissolved (mg/L)
GW-N37
GW-N45
Analysis Result
2500
2250
2000
1750
1500
1250
1000
750
500
250
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.230E+3 + 0.198E-1x
R^2=0.39615E-1
Y=0.123E+2 + 0.129E-3x
R^2=0.88222E-2
Generated 11/2/2023 8:55 AM.
Sample Date

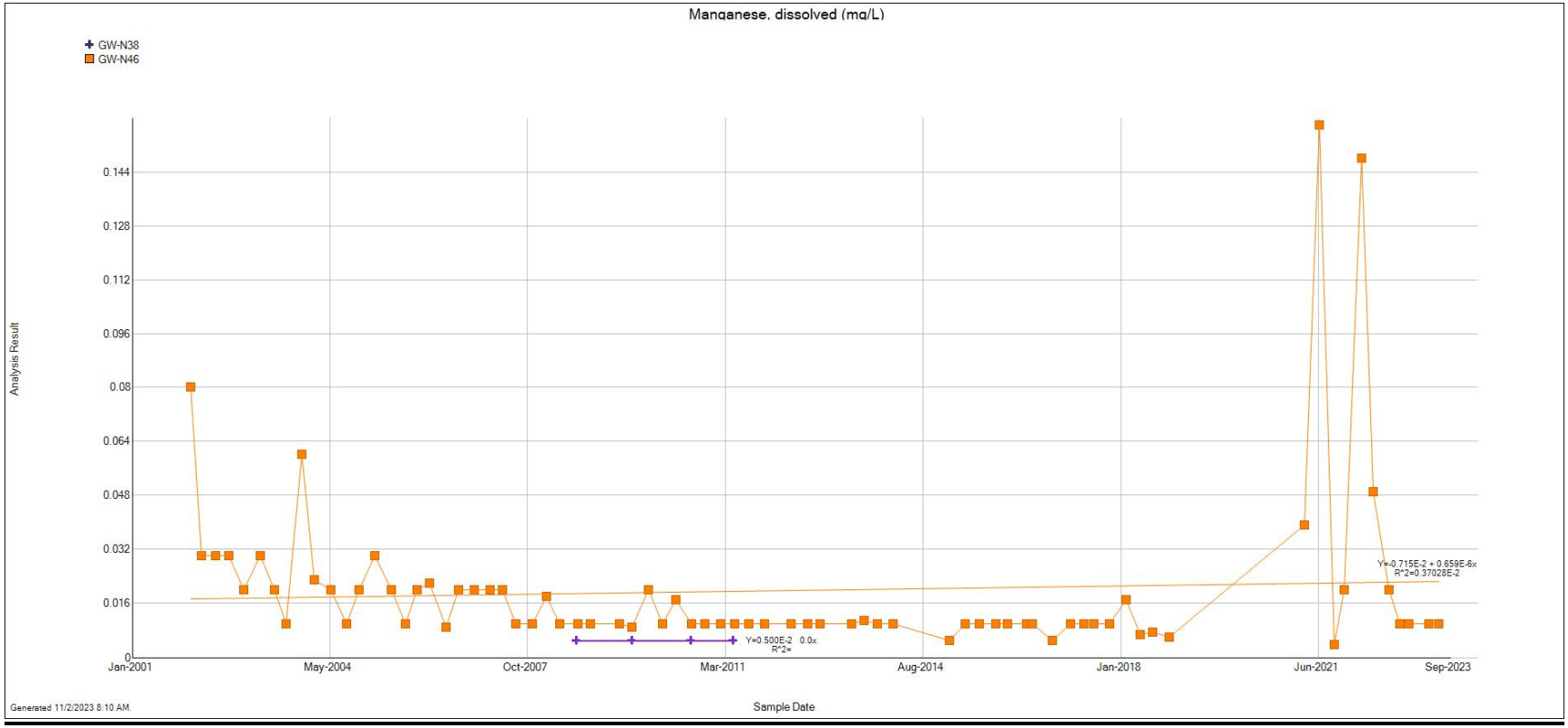

Sulfate, dissolved (mg/L)
GW-N37
GW-N45
Analysis Result
23000
20700
18400
16100
13800
11500
9200
6900
4600
2300
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=-0.193E+5 + 0.572E+0x
R^2=0.12957E+0
Y=0.393E+3 -0.460E-2x
R^2=0.51036E-1
Generated 11/2/2023 8:55 AM.
Sample Date

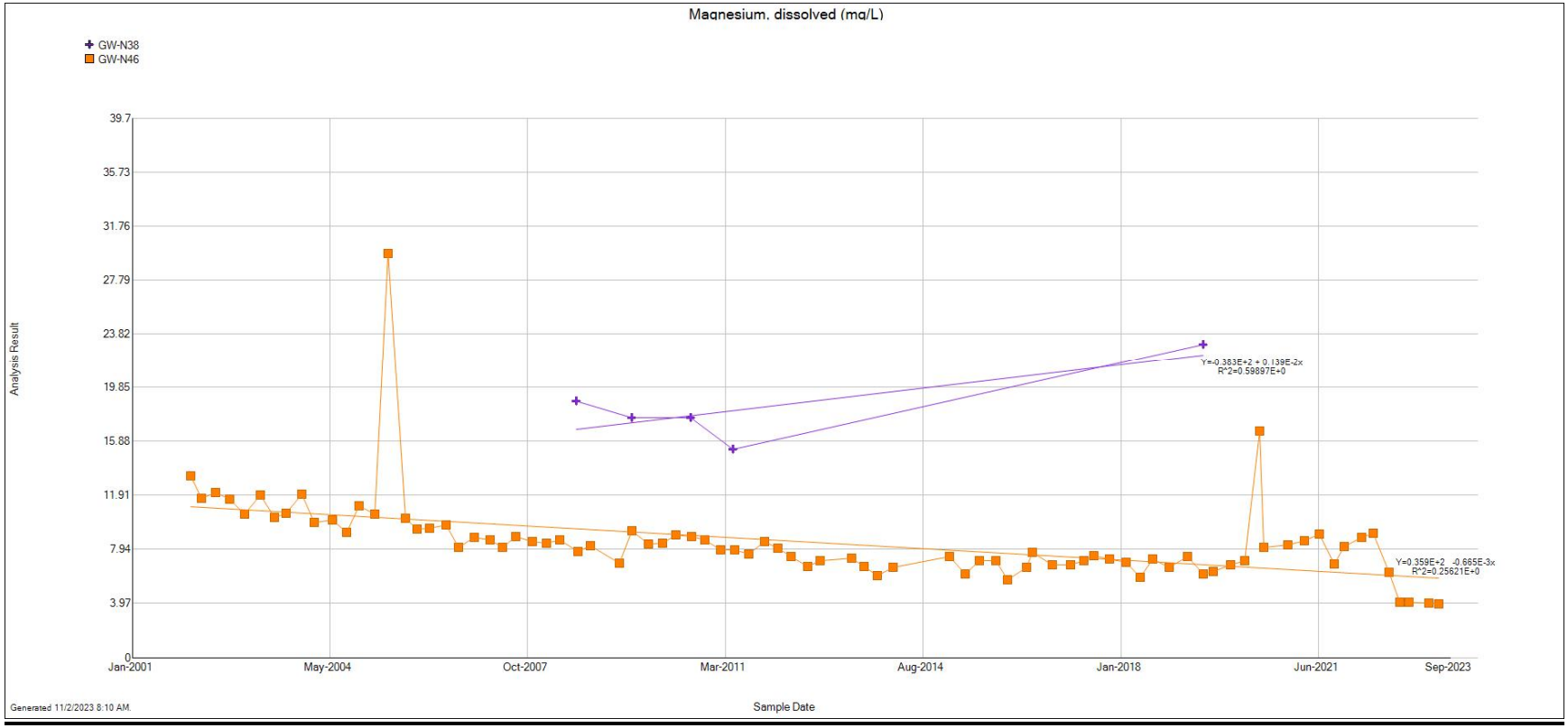

Total Dissolved Solids (mg/L)
GW-N37
GW-N45
Analysis Result
30000
27000
24000
21000
18000
15000
12000
9000
6000
3000
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=-0.255E+5 + 0.801E+0x
R^2=0.13016E+0
Y=0.684E+3 -0.684E-2x
R^2=0.29988E-1
Generated 11/2/2023 8:55 AM.
Sample Date

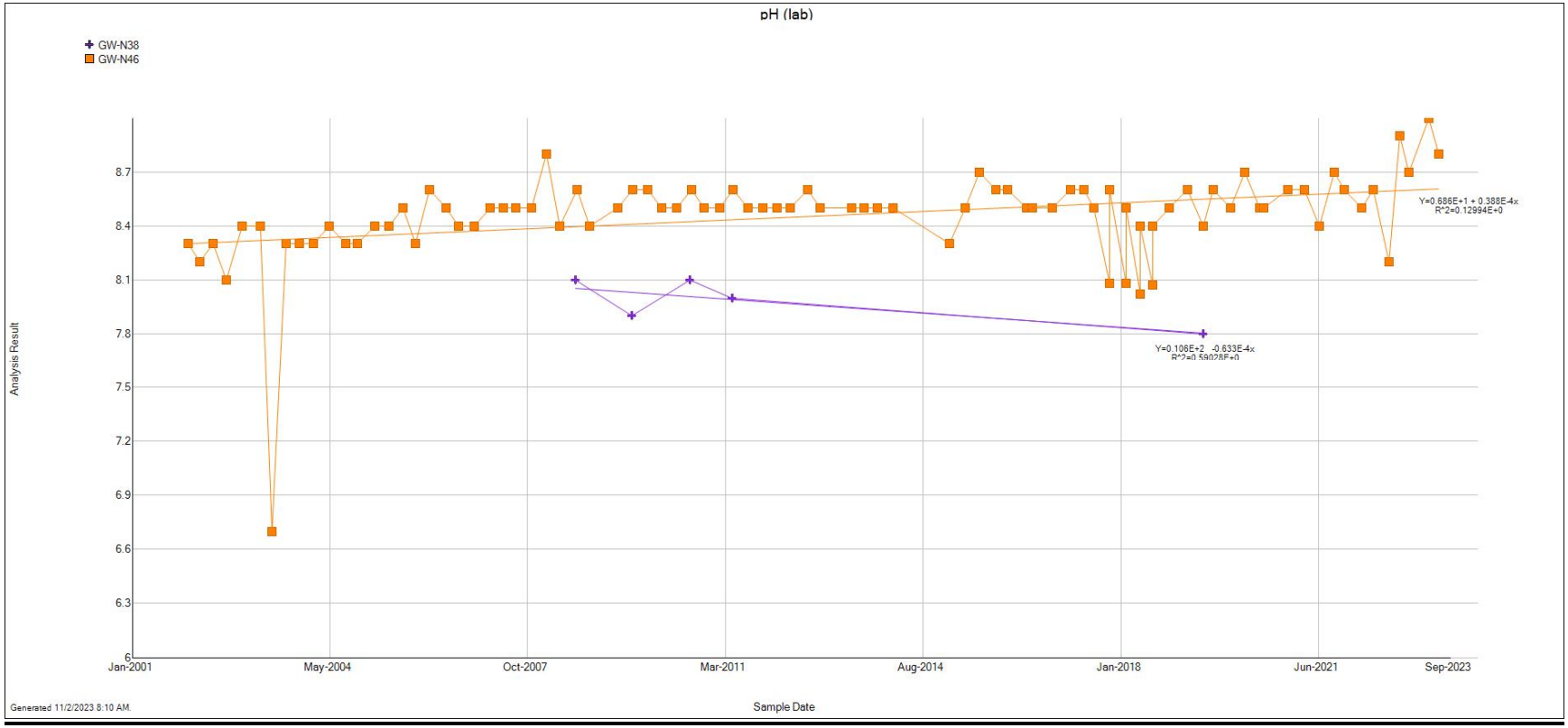

Calcium, dissolved (mg/L)
GW-N38
GW-N46
Analysis Result
400
360
320
280
240
200
160
120
80
40
0
Y=0.177E+3 + 0.222E-2x
R^2=0.56587E-2
Y=0.800E+2 -0.159E-2x
R^2=0.17493E-1
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Generated 11/2/2023 8:10 AM.
Sample Date

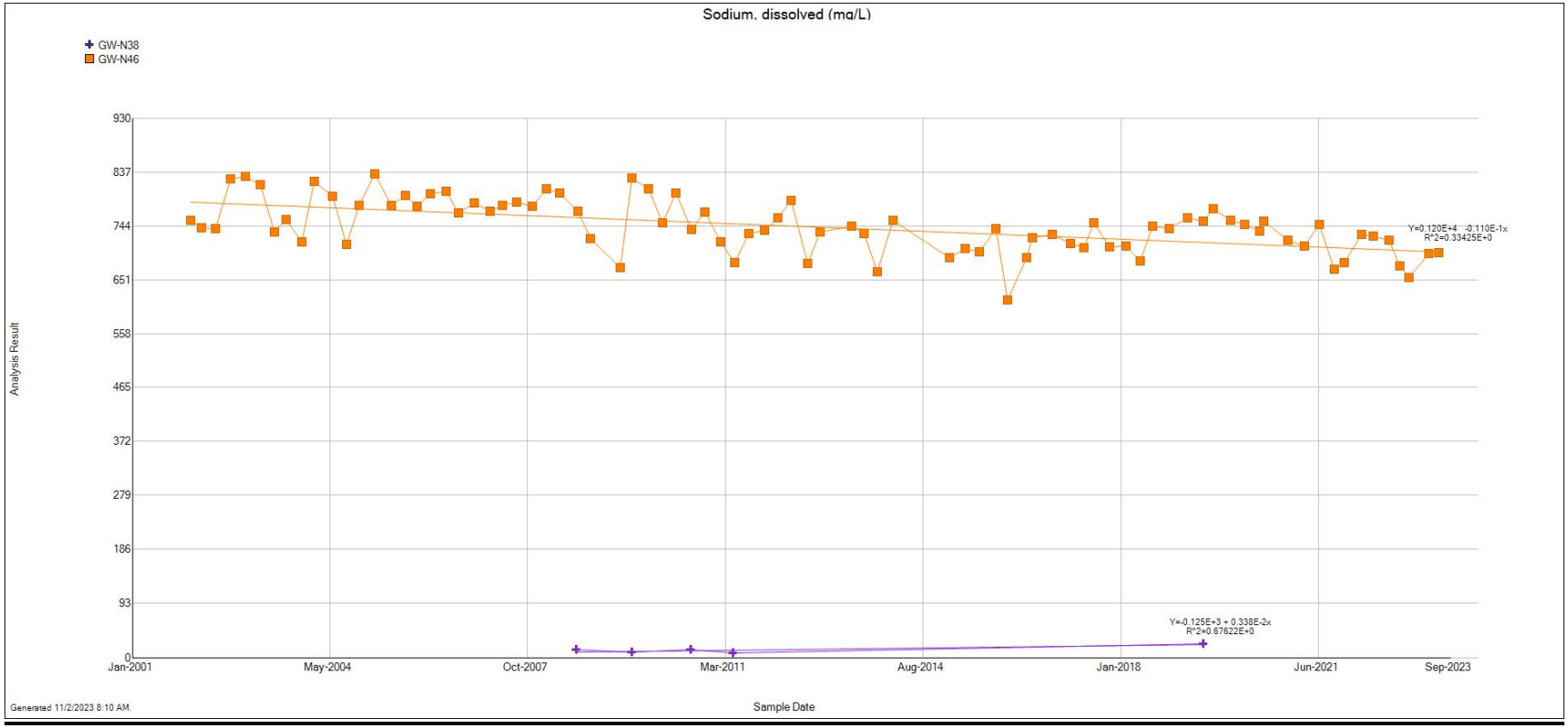

Specific Conductance @ 25C (lab) (umhos/cm)
GW-N38
GW-N46
Analysis Result
4500
4050
3600
3150
2700
2250
1800
1350
900
450
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.482E+4 -0.408E-1x
R^2=0.19024E+0
Y=0.757E+2 + 0.290E-1x
R^2=0.57475E-1
Generated 11/2/2023 8:10 AM.
Sample Date

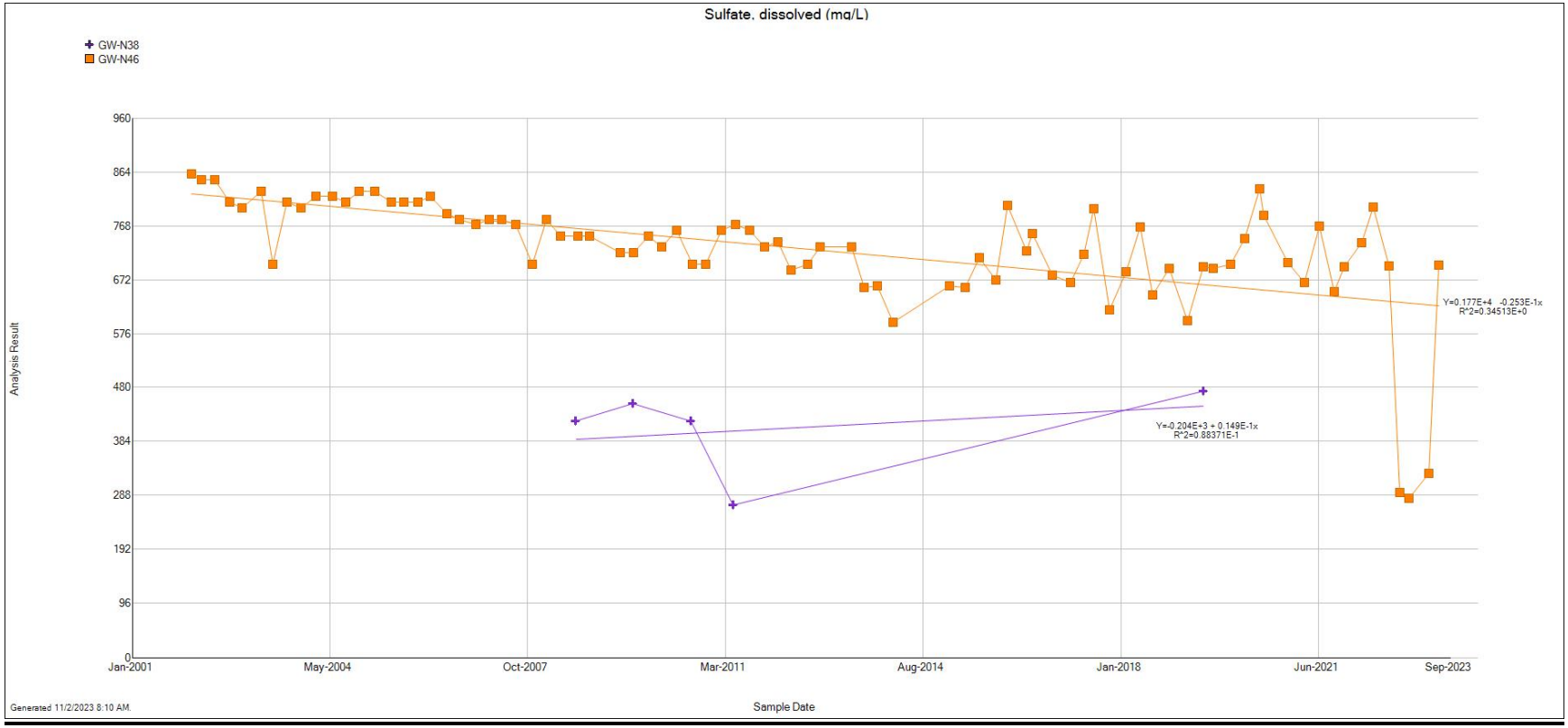

Iron, total recoverable (ug/L)
GW-N38
GW-N46
45000
393.85852
787.71704
181.57556
575.43407
969.29259
363.15111
757.00963
150.86815
544.72667
061.41482
Analysis Result
Y=-0.594E+5 + 0.152E+1x
R^2=0.92276E+0
Y=-0.462E+5 + 0.112E+1x
R^2=0.63513E-1
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Sample Date
Generated 11/2/2023 8:10 AM.

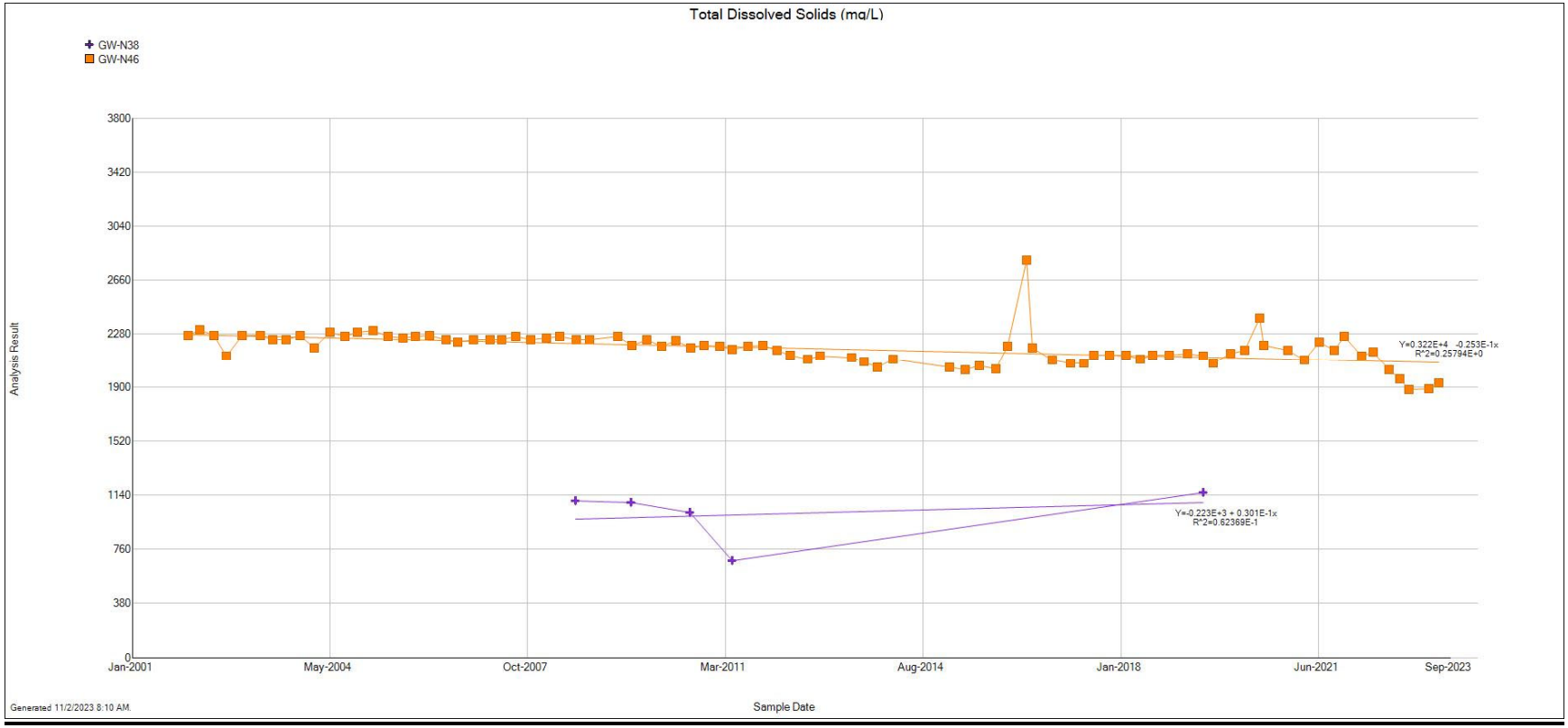

Manganese, dissolved (mg/L)
GW-N38
GW-N46
Analysis Result
0.144
0.128
0.112
0.096
0.08
0.064
0.048
0.032
0.016
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.715E-2 + 0.659E-6x
R^2=0.37028E-2
Y=0.500E-2 0.0x
R^2=
Generated 11/2/2023 8:10 AM.
Sample Date


Magnesium, dissolved (mg/L)
GW-N38
GW-N46
39.7
35.73
31.76
27.79
23.82
19.85
15.88
11.91
7.94
3.97
0
Analysis Result
Y=-0.383E+2 + 0.139E-2x
R^2=0.59897E+0
Y=0.359E+2 -0.665E-3x
R^2=0.25621E+0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Generated 11/2/2023 8:10 AM.
Sample Date

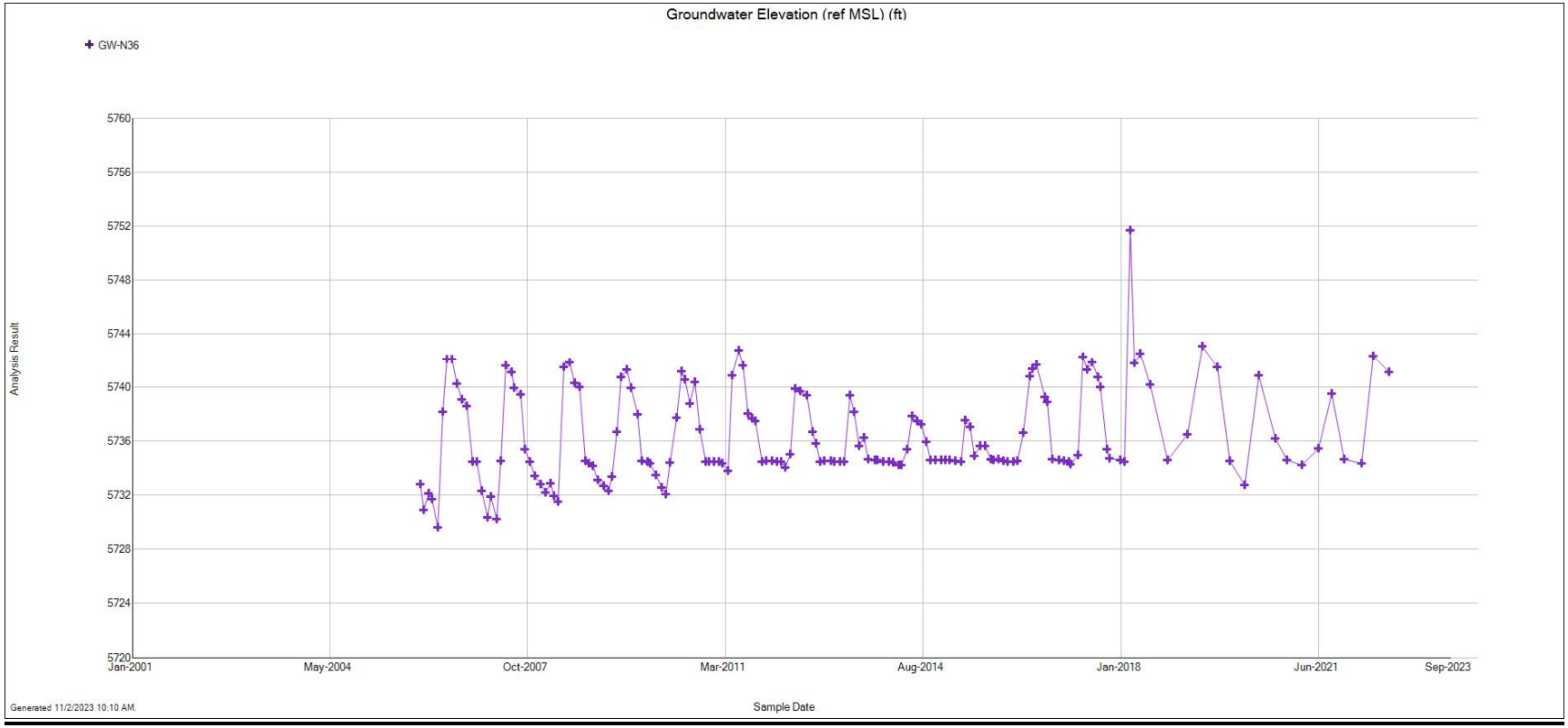

pH (lab)
GW-N38
GW-N46
Analysis Result
8.7
8.4
8.1
7.8
7.5
7.2
6.9
6.6
6.3
6
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.686E+1 + 0.388E-4x
R^2=0.12994E+0
Y=0.106E+2 -0.633E-4x
Generated 11/2/2023 8:10 AM.
Sample Date

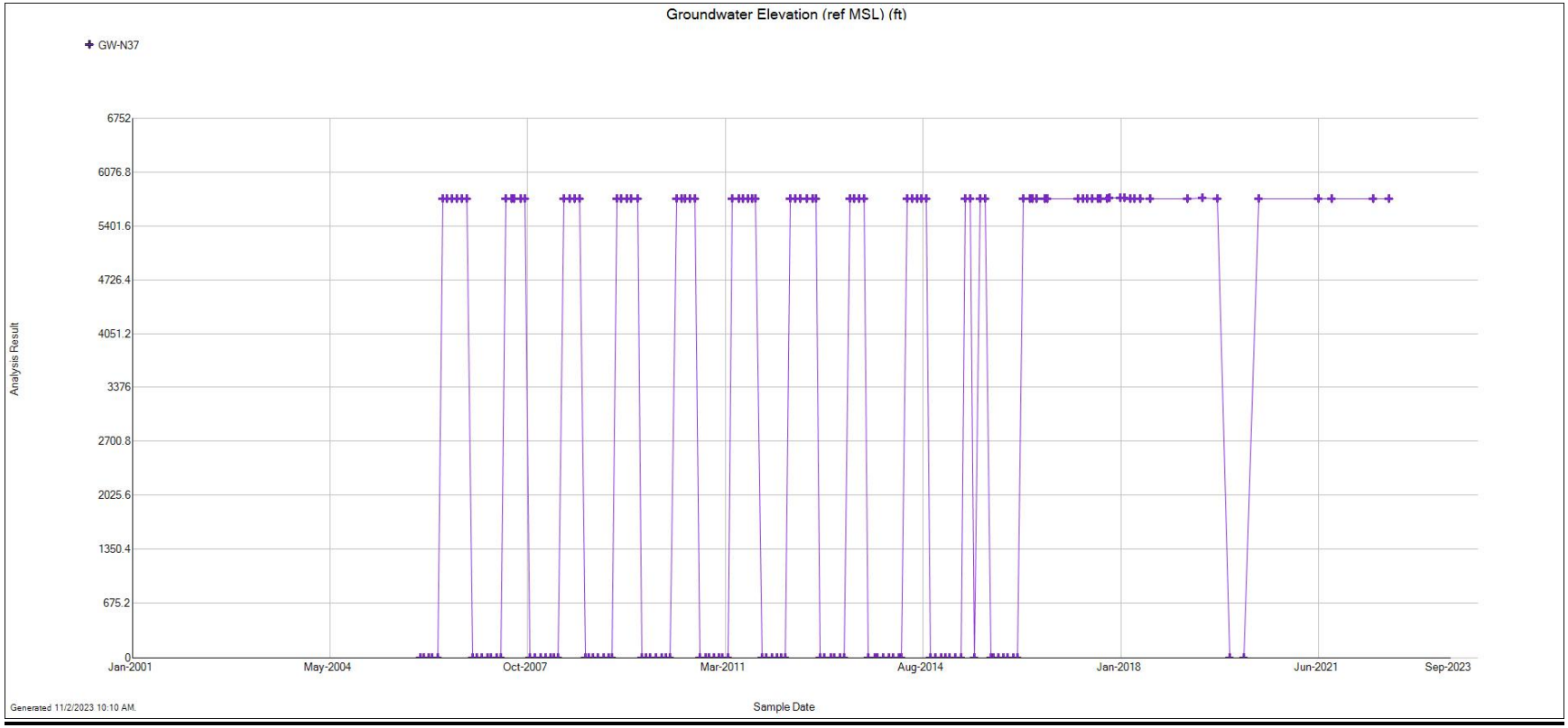

Sodium, dissolved (mg/L)
GW-N38
GW-N46
930
837
744
651
558
465
372
279
186
93
0
Analysis Result
Y=0.120E+4 -0.110E-1x
R^2=0.33425E+0
Y=-0.125E+3 + 0.338E-2x
R^2=0.67622E+0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Sample Date
Generated 11/2/2023 8:10 AM.

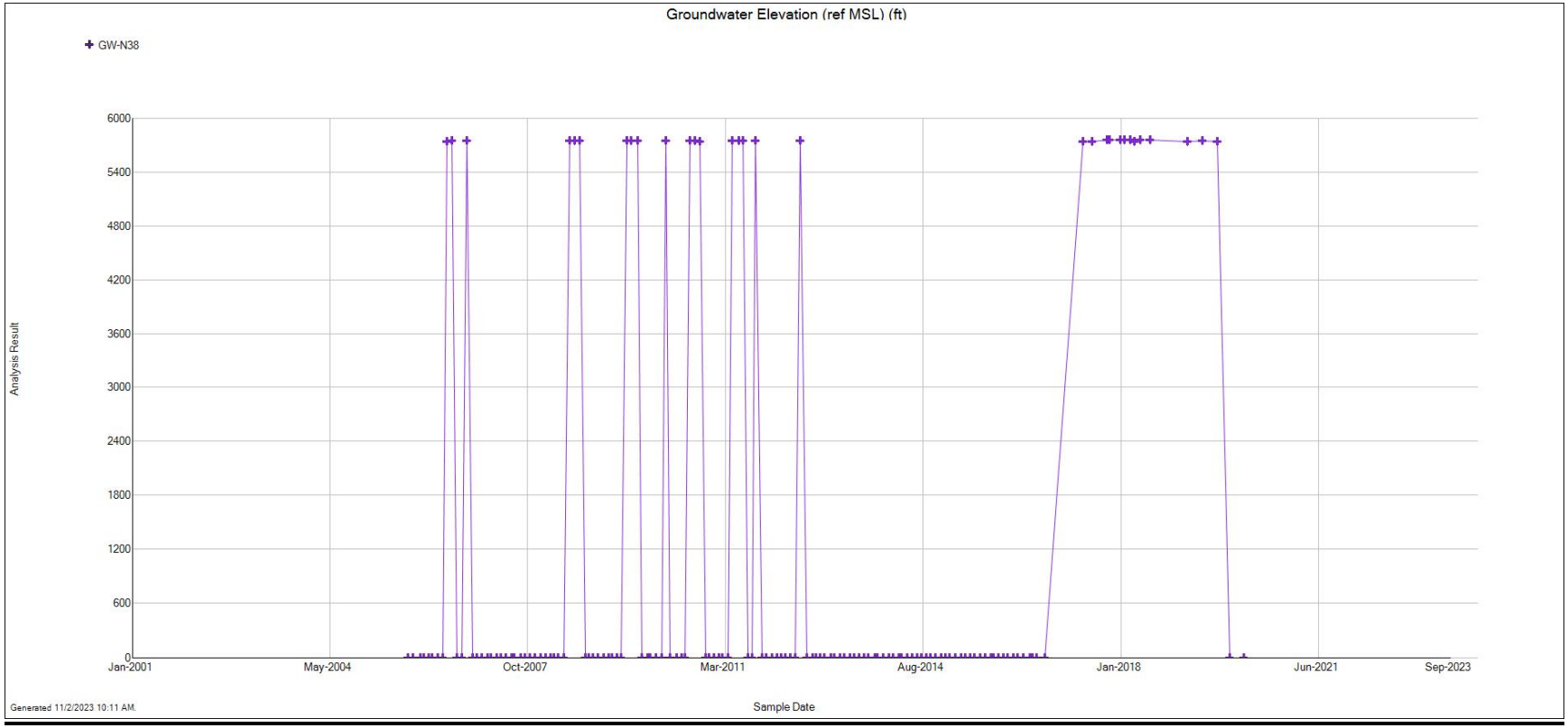

Sulfate, dissolved (mg/L)
GW-N38
GW-N46
960
864
768
672
576
480
384
288
192
96
0
Analysis Result
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Sample Date
Y=0.177E+4 -0.253E-1x
R^2=0.34513E+0
Y=-0.204E+3 + 0.149E-1x
R^2=0.88371E-1
Generated 11/2/2023 8:10 AM.

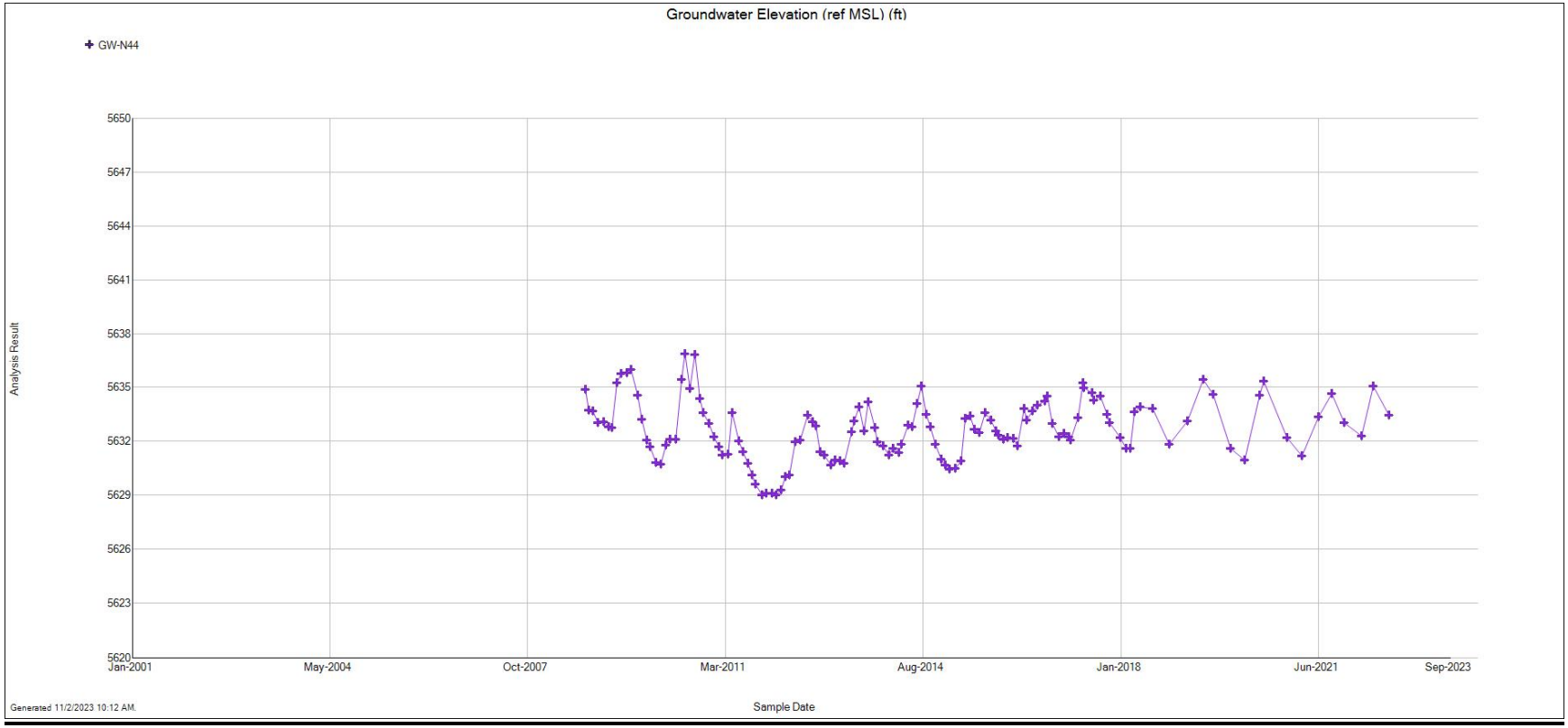

Total Dissolved Solids (mg/L)
GW-N38
GW-N46
Analysis Result
3800
3420
3040
2660
2280
1900
1520
1140
760
380
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Y=0.322E+4 -0.253E-1x
R^2=0.25794E+0
Y=-0.223E+3 + 0.301E-1x
R^2=0.62369E-1
Generated 11/2/2023 8:10 AM.
Sample Date

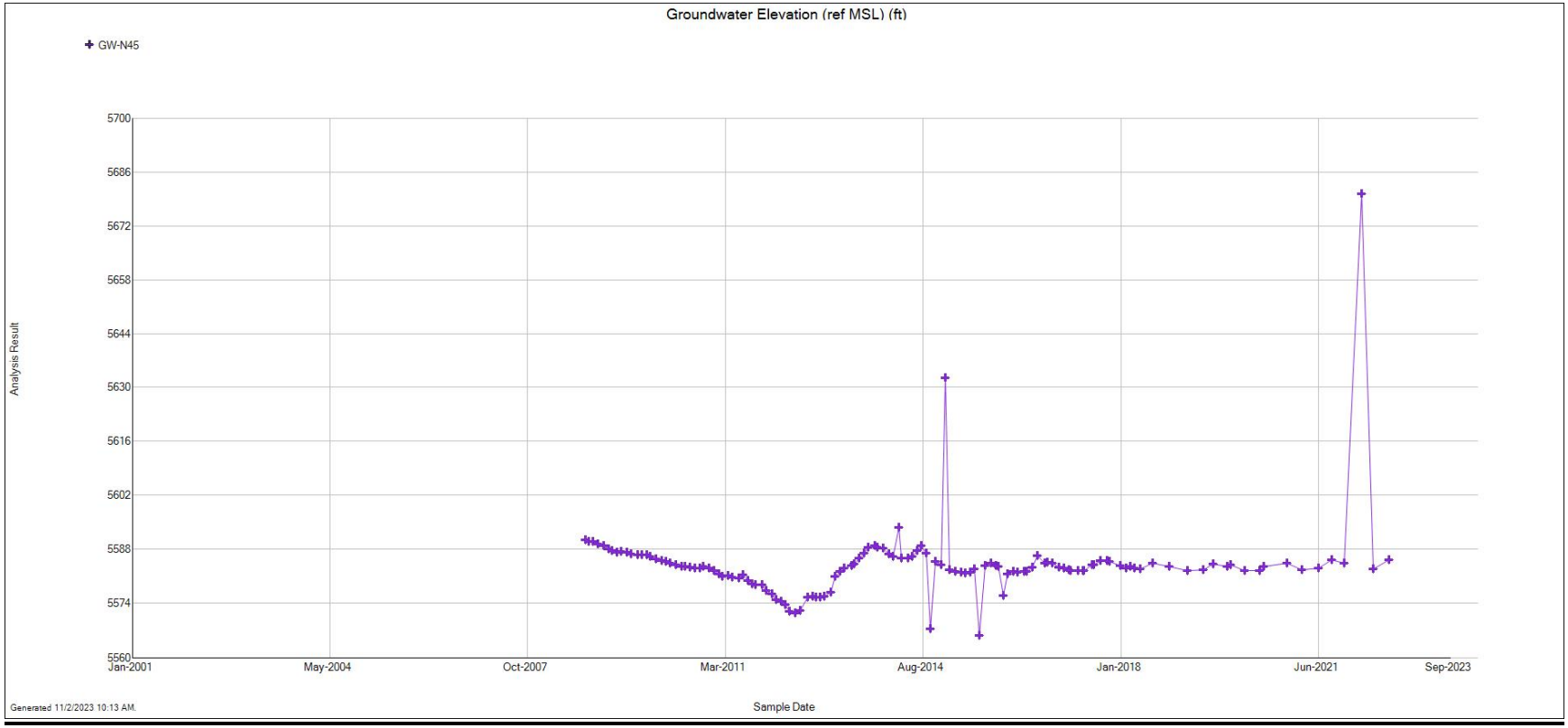
Appendix 5
Groundwater Elevations

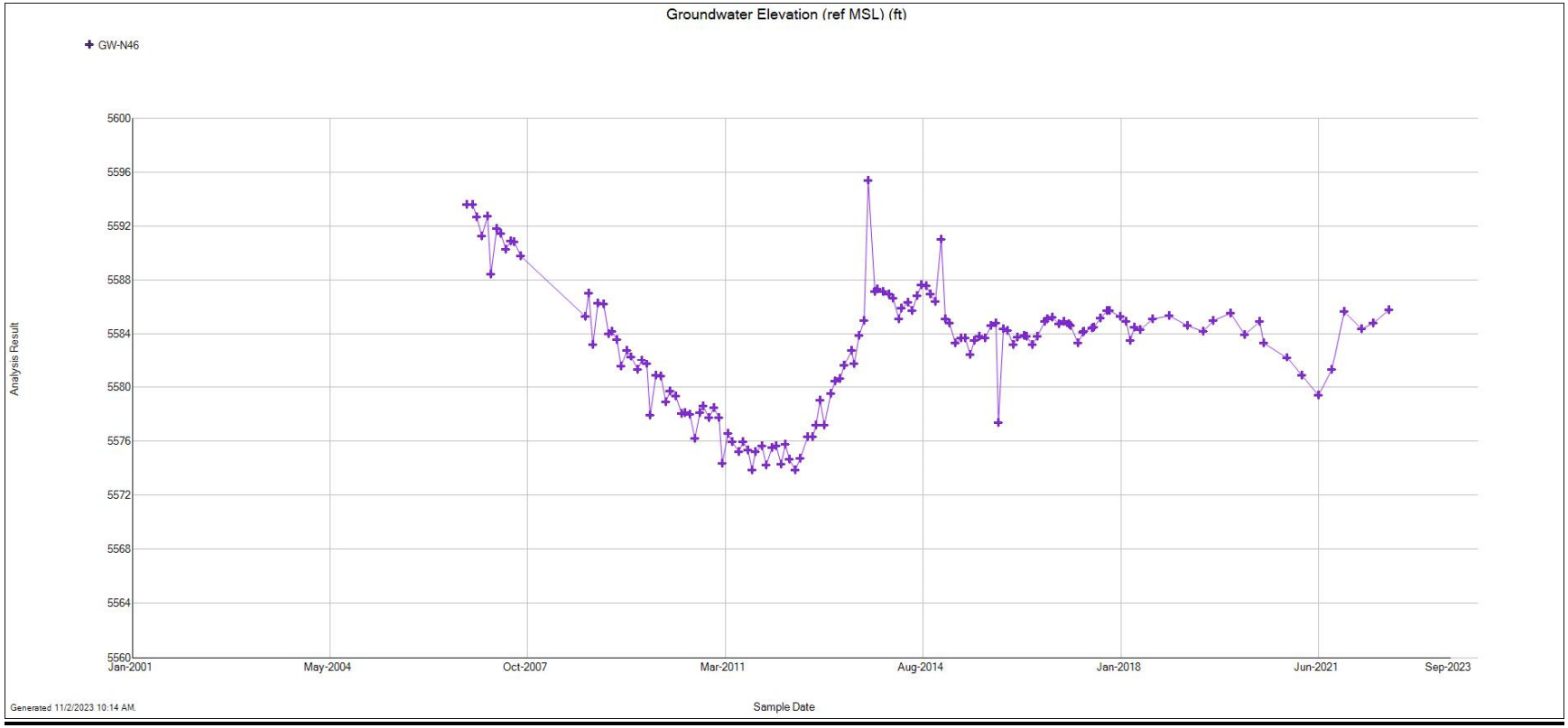

Groundwater Elevation (ref MSL) (ft)
GW-N36
Analysis Result
5760
5756
5752
5748
5744
5740
5736
5732
5728
5724
5720
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Generated 11/2/2023 10:10 AM.
Sample Date


Groundwater Elevation (ref MSL) (ft)
GW-N37
6752
6076.8
5401.6
4726.4
4051.2
3376
2700.8
2025.6
1350.4
675.2
0
Analysis Result
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Sample Date
Generated 11/2/2023 10:10 AM.


Groundwater Elevation (ref MSL) (ft)
GW-N38
Analysis Result
6000
5400
4800
4200
3600
3000
2400
1800
1200
600
0
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Generated 11/2/2023 10:11 AM.
Sample Date


Groundwater Elevation (ref MSL) (ft)
GW-N44
Analysis Result
5650
5647
5644
5641
5638
5635
5632
5629
5626
5623
5620
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Generated 11/2/2023 10:12 AM.
Sample Date


Groundwater Elevation (ref MSL) (ft)
GW-N45
Analysis Result
5700
5686
5672
5658
5644
5630
5616
5602
5588
5574
5560
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Generated 11/2/2023 10:13 AM.
Sample Date


Groundwater Elevation (ref MSL) (ft)
GW-N46
Analysis Result
5600
5596
5592
5588
5584
5580
5576
5572
5568
5564
5560
Jan-2001
May-2004
Oct-2007
Mar-2011
Aug-2014
Jan-2018
Jun-2021
Sep-2023
Generated 11/2/2023 10:14 AM.
Sample Date