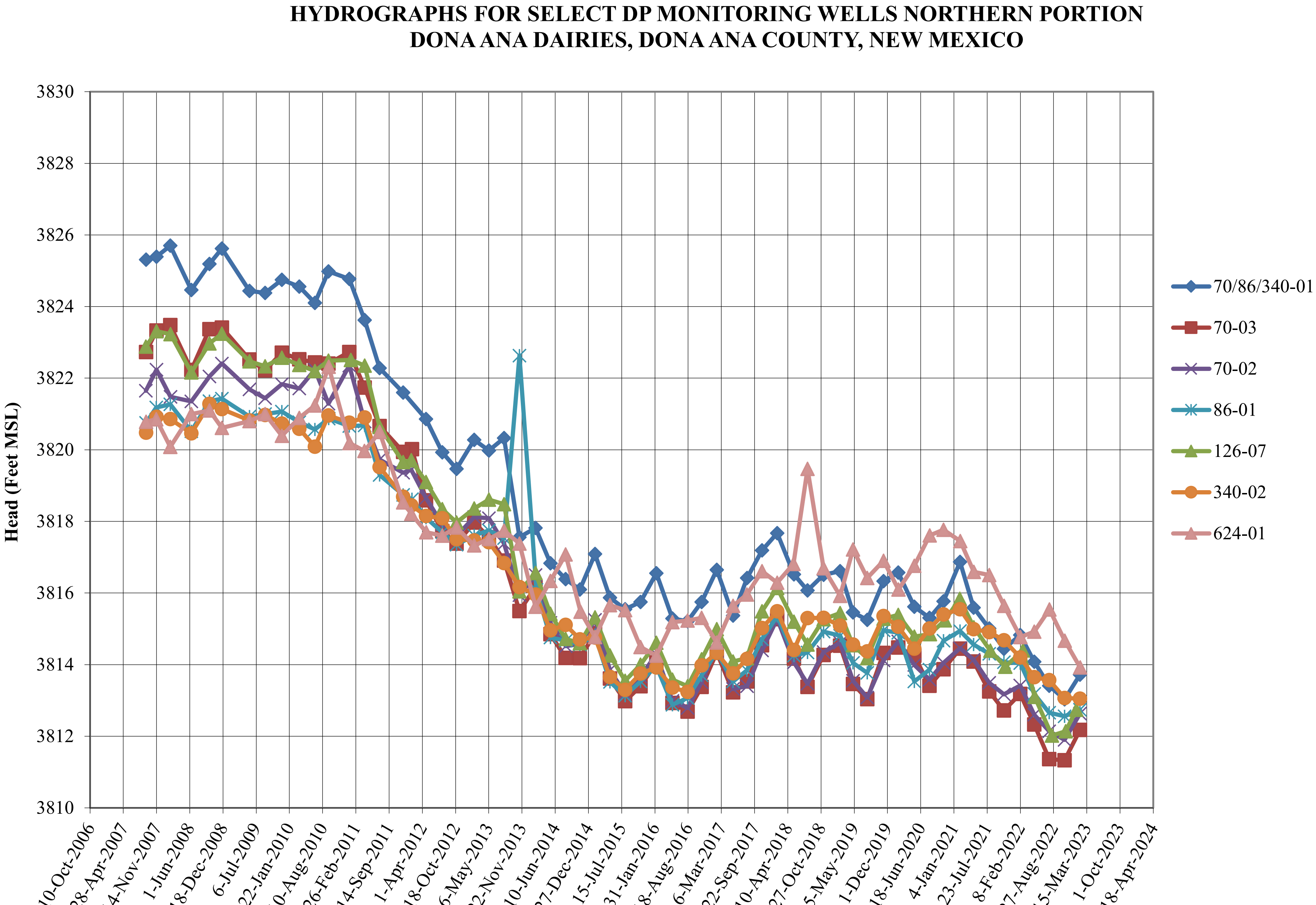
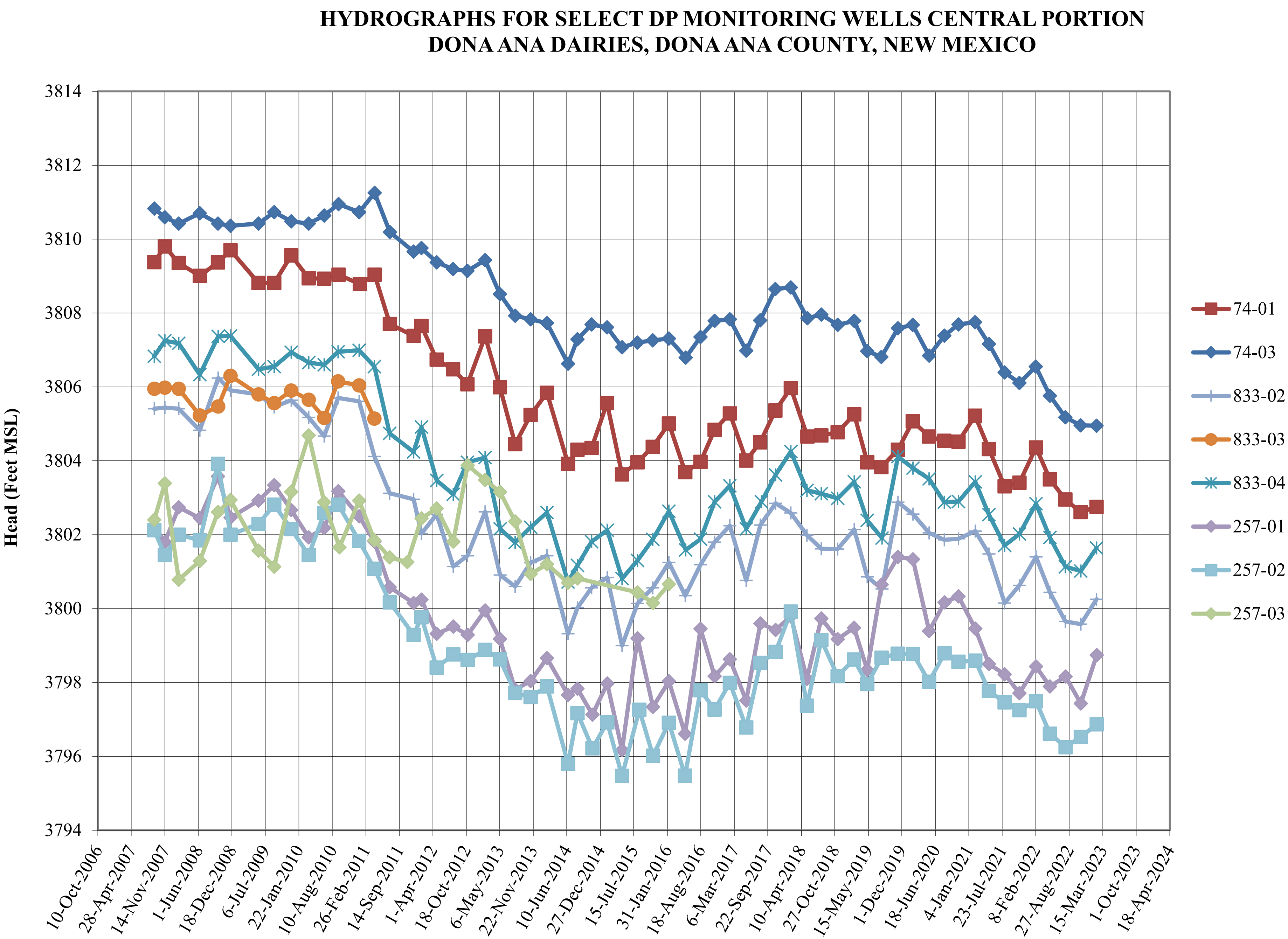
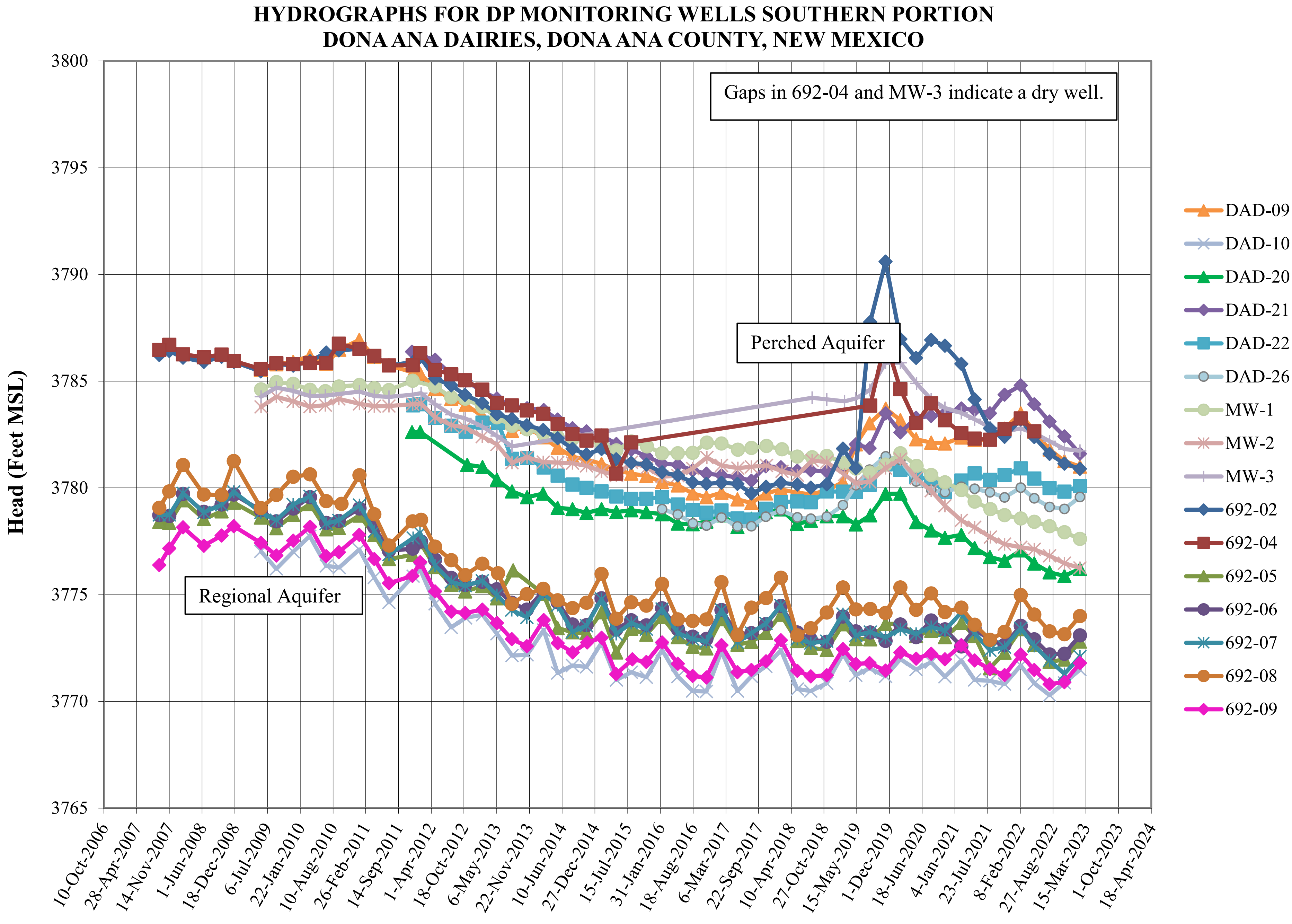
APPENDIX C

HYDROGRAPHS


HYDROGRAPHS FOR SELECT DP MONITORING WELLS NORTHERN PORTION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Head (Feet MSL)
3830
3828
3826
3824
3822
3820
3818
3816
3814
3812
3810
10-Oct-2006
28-Apr-2007
14-Nov-2007
1-Jun-2008
18-Dec-2008
6-Jul-2009
22-Jan-2010
10-Aug-2010
26-Feb-2011
14-Sep-2011
1-Apr-2012
18-Oct-2012
6-May-2013
22-Nov-2013
10-Jun-2014
27-Dec-2014
15-Jul-2015
31-Jan-2016
18-Aug-2016
6-Mar-2017
22-Sep-2017
10-Apr-2018
27-Oct-2018
15-May-2019
1-Dec-2019
18-Jun-2020
4-Jan-2021
23-Jul-2021
8-Feb-2022
27-Aug-2022
15-Mar-2023
1-Oct-2023
18-Apr-2024
70/86/340-01
70-03
70-02
86-01
126-07
340-02
624-01



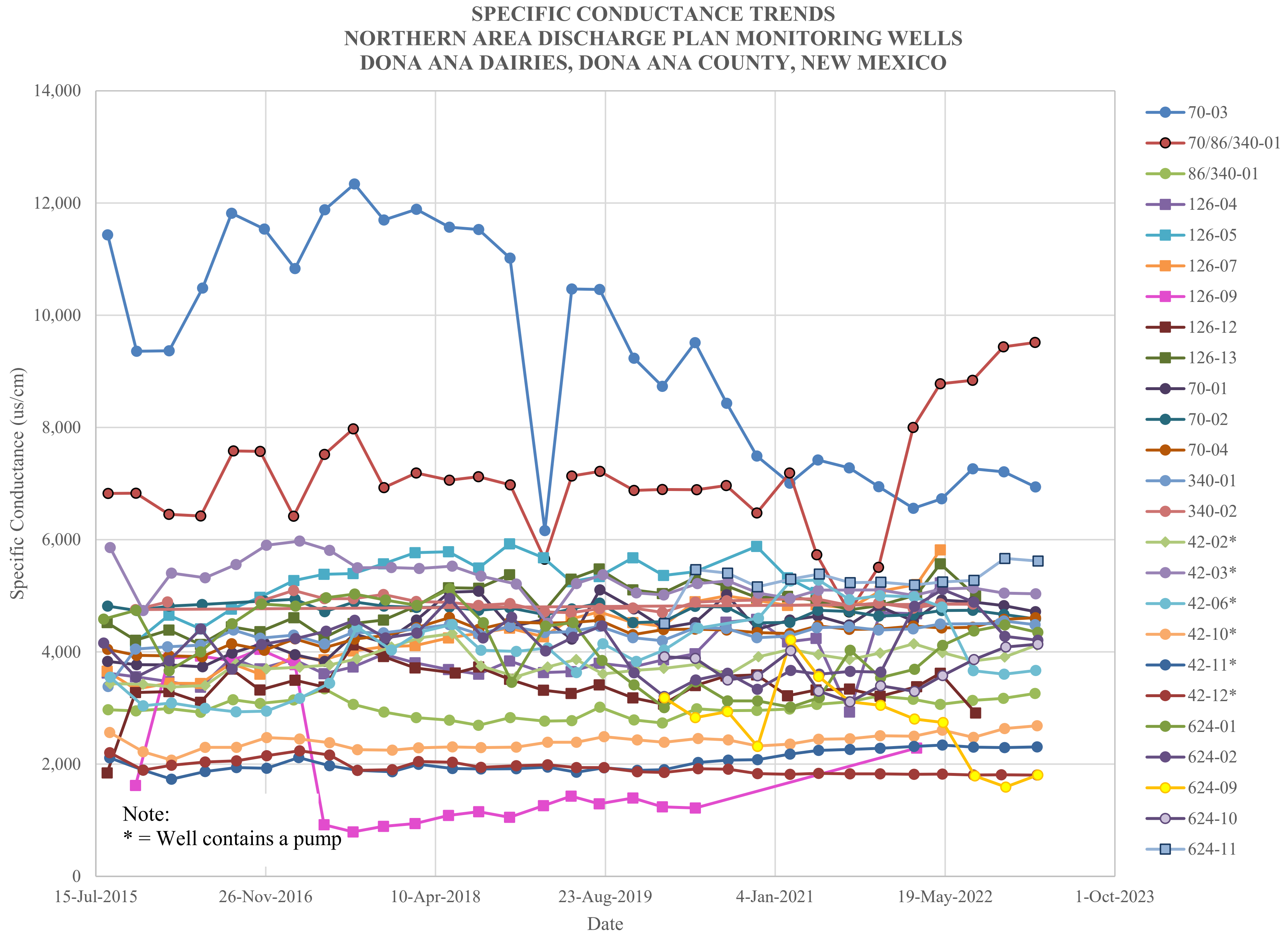
HYDROGRAPHS FOR SELECT DP MONITORING WELLS CENTRAL PORTION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Head (Feet MSL)
3814
3812
3810
3808
3806
3804
3802
3800
3798
3796
3794
10-Oct-2006
28-Apr-2007
14-Nov-2007
1-Jun-2008
18-Dec-2008
6-Jul-2009
22-Jan-2010
10-Aug-2010
26-Feb-2011
14-Sep-2011
1-Apr-2012
18-Oct-2012
6-May-2013
22-Nov-2013
10-Jun-2014
27-Dec-2014
15-Jul-2015
31-Jan-2016
18-Aug-2016
6-Mar-2017
22-Sep-2017
10-Apr-2018
27-Oct-2018
15-May-2019
1-Dec-2019
18-Jun-2020
4-Jan-2021
23-Jul-2021
8-Feb-2022
27-Aug-2022
15-Mar-2023
1-Oct-2023
18-Apr-2024
74-01
74-03
833-02
833-03
833-04
257-01
257-02
257-03



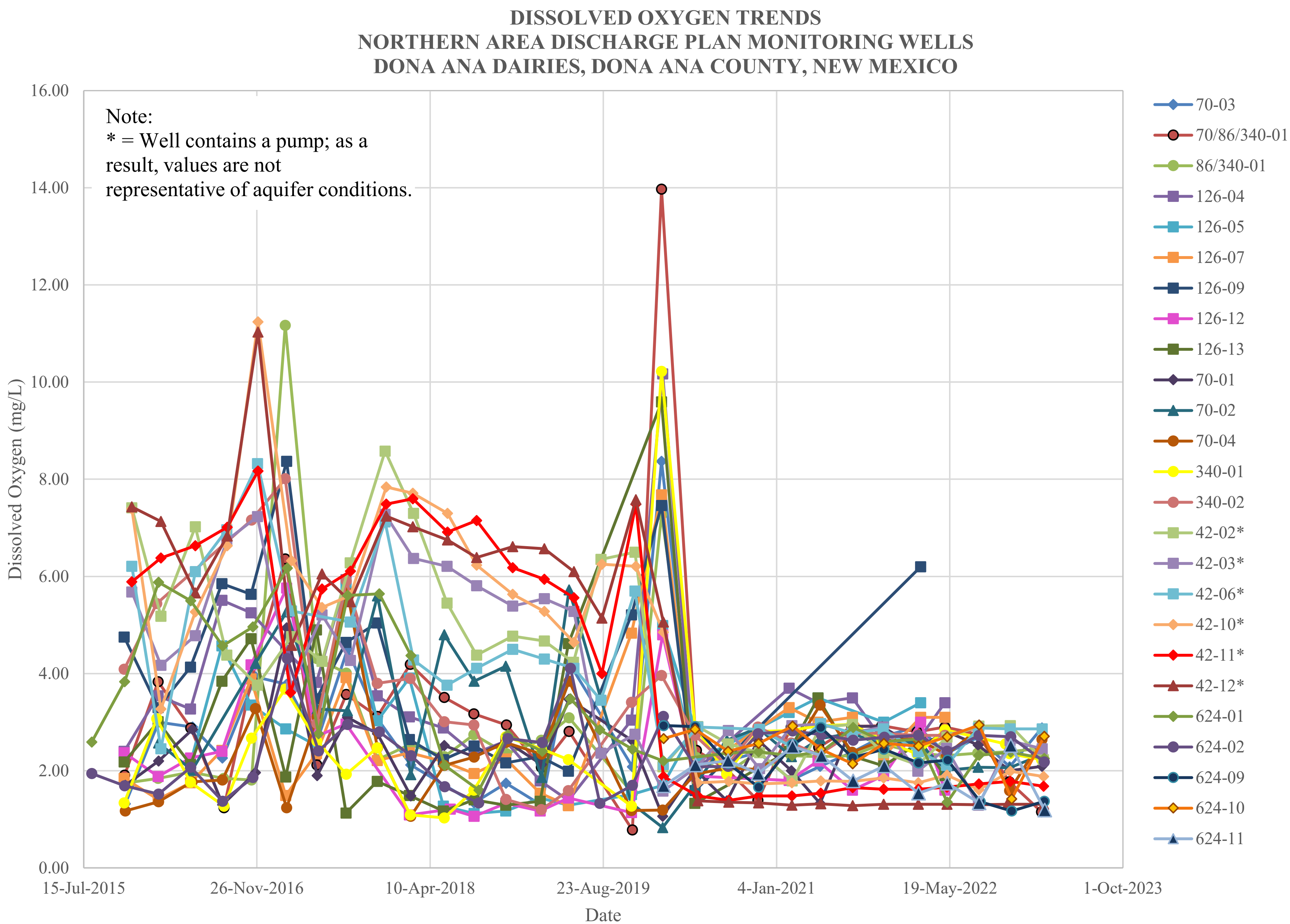
HYDROGRAPHS FOR DP MONITORING WELLS SOUTHERN PORTION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Gaps in 692-04 and MW-3 indicate a dry well.
Perched Aquifer
Regional Aquifer
Head (Feet MSL)
3800
3795
3790
3785
3780
3775
3770
3765
10-Oct-2006
28-Apr-2007
14-Nov-2007
1-Jun-2008
18-Dec-2008
6-Jul-2009
22-Jan-2010
10-Aug-2010
26-Feb-2011
14-Sep-2011
1-Apr-2012
18-Oct-2012
6-May-2013
22-Nov-2013
10-Jun-2014
27-Dec-2014
15-Jul-2015
31-Jan-2016
18-Aug-2016
6-Mar-2017
22-Sep-2017
10-Apr-2018
27-Oct-2018
15-May-2019
1-Dec-2019
18-Jun-2020
4-Jan-2021
23-Jul-2021
8-Feb-2022
27-Aug-2022
15-Mar-2023
1-Oct-2023
18-Apr-2024
DAD-09
DAD-10
DAD-20
DAD-21
DAD-22
DAD-26
MW-1
MW-2
MW-3
692-02
692-04
692-05
692-06
692-07
692-08
692-09

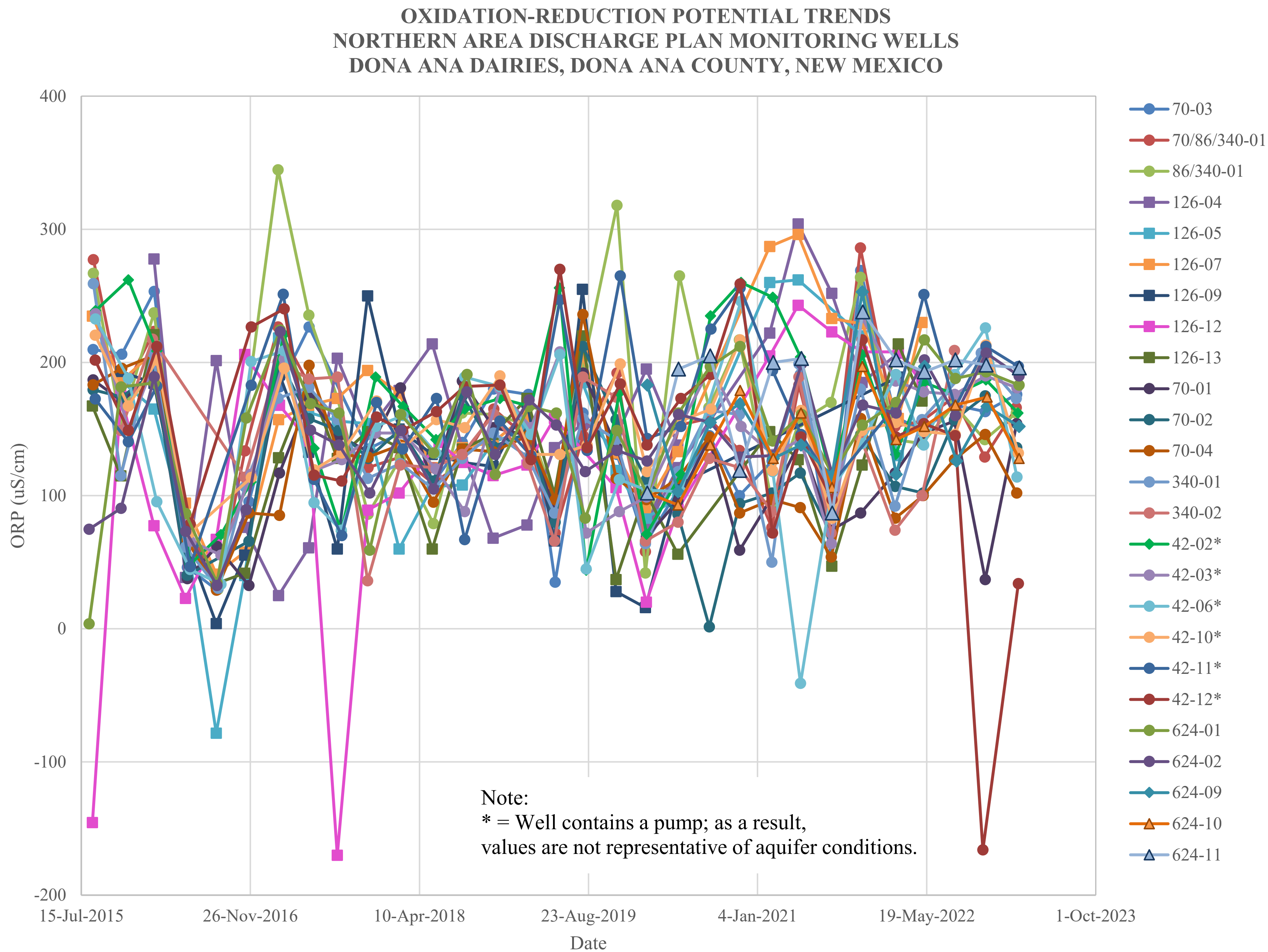
APPENDIX D

FIELD PARAMETER TRENDS BY AREA

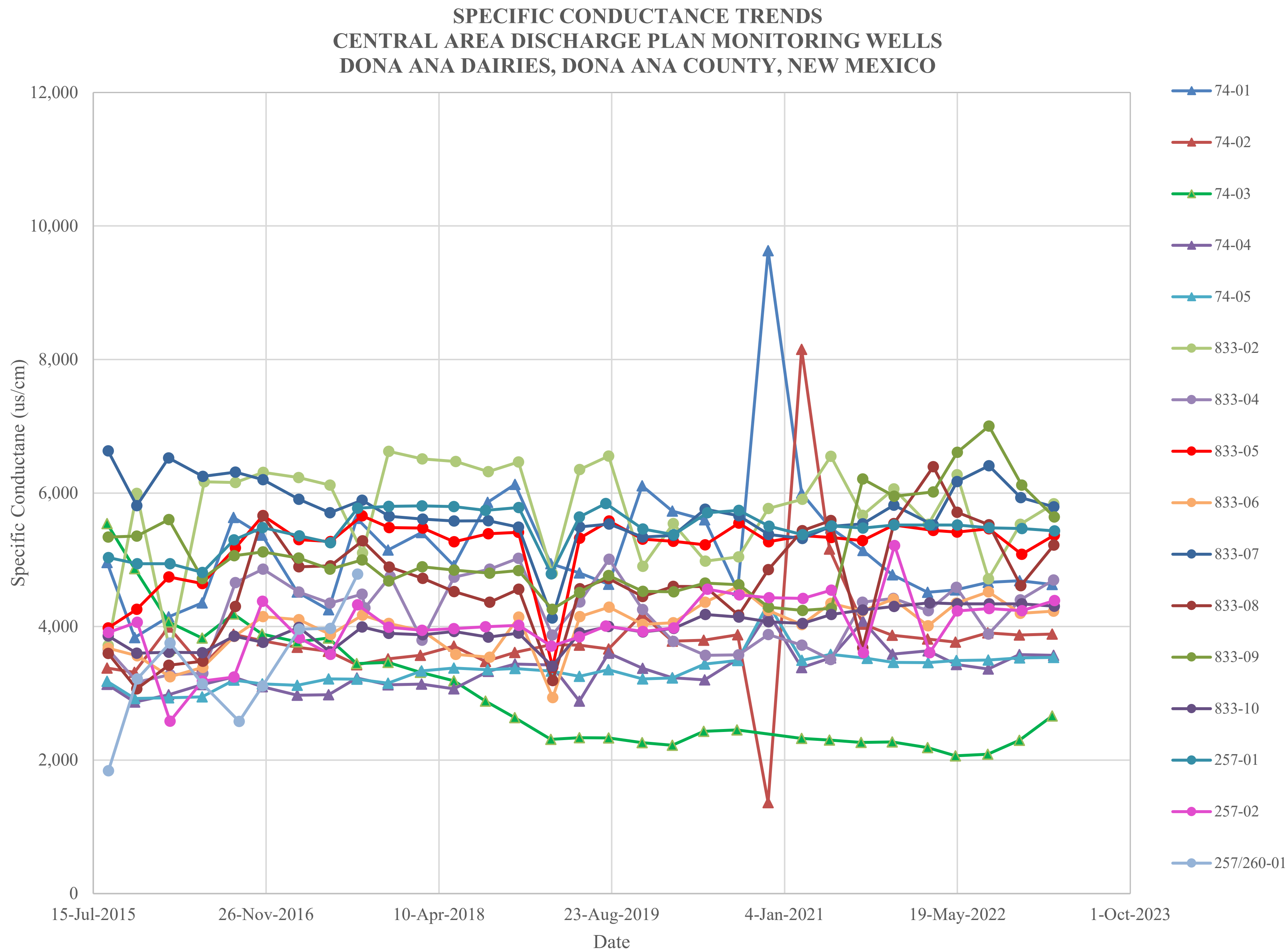


SPECIFIC CONDUCTANCE TRENDS
NORTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Specific Conductance (us/cm)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date
Note:
* = Well contains a pump
70-03
70/86/340-01
86/340-01
126-04
126-05
126-07
126-09
126-12
126-13
70-01
70-02
70-04
340-01
340-02
42-02*
42-03*
42-06*
42-10*
42-11*
42-12*
624-01
624-02
624-09
624-10
624-11

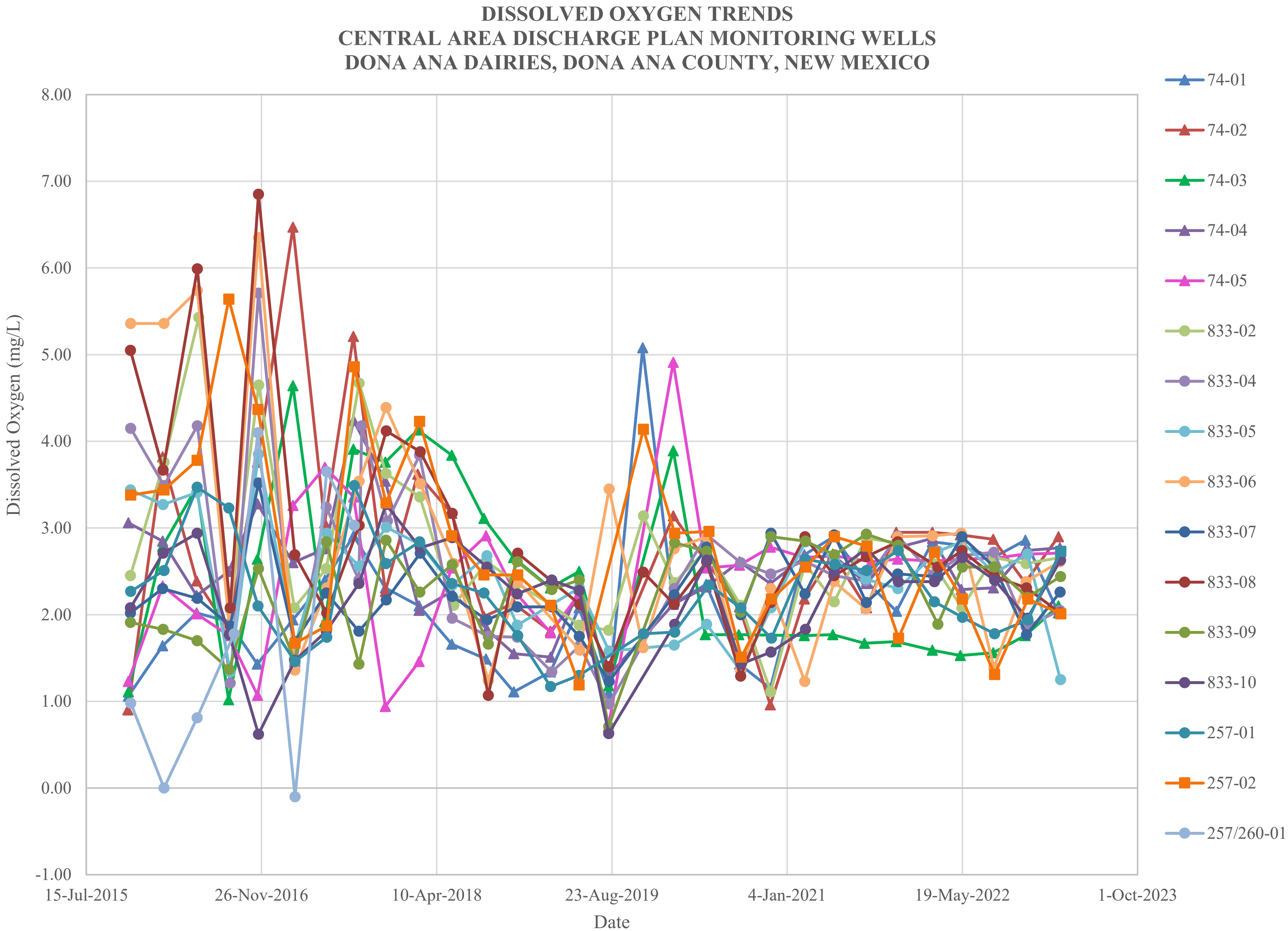

DISSOLVED OXYGEN TRENDS
NORTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Note:
* = Well contains a pump; as a result, values are not representative of aquifer conditions.
Dissolved Oxygen (mg/L)
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date
70-03
70/86/340-01
86/340-01
126-04
126-05
126-07
126-09
126-12
126-13
70-01
70-02
70-04
340-01
340-02
42-02*
42-03*
42-06*
42-10*
42-11*
42-12*
624-01
624-02
624-09
624-10
624-11

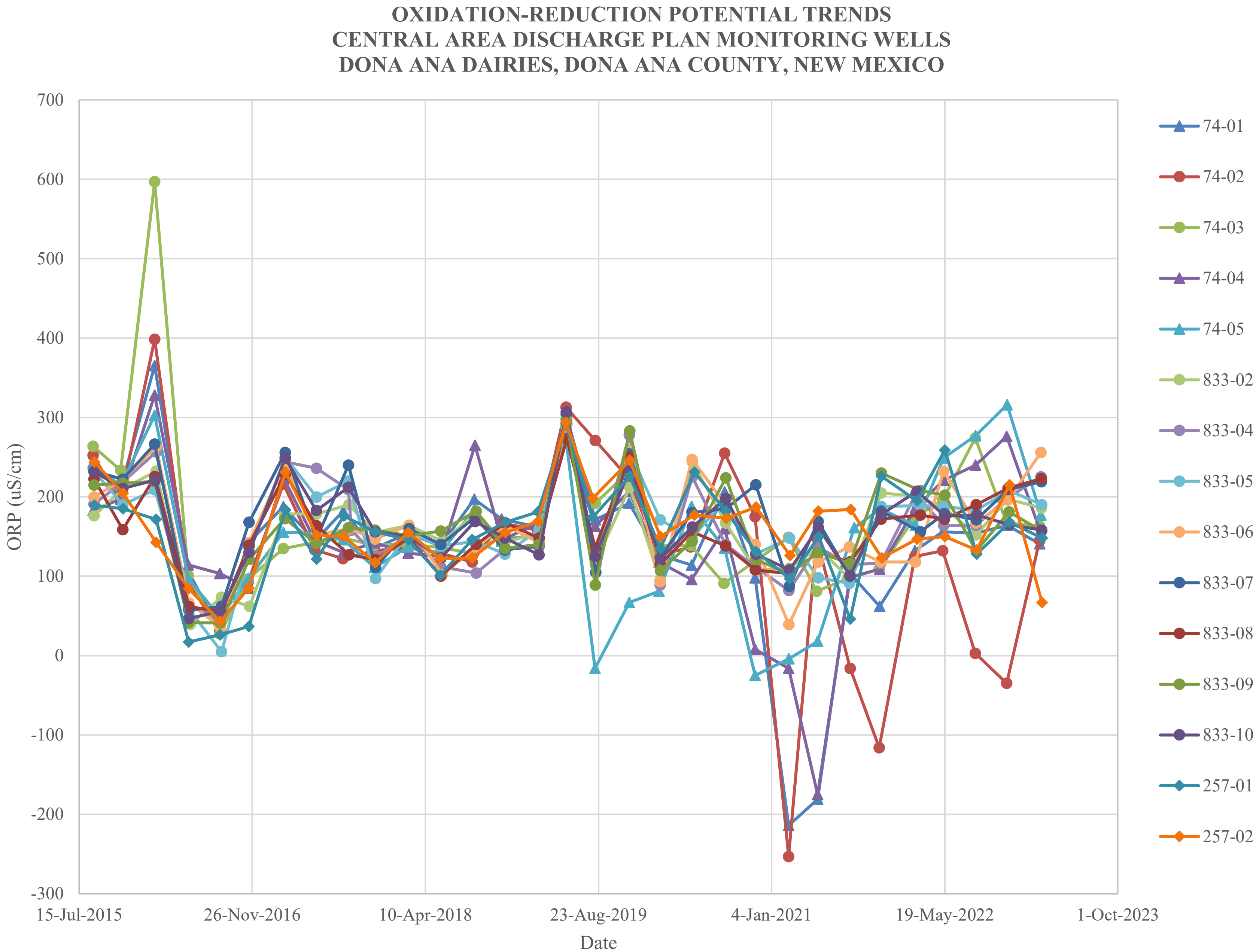


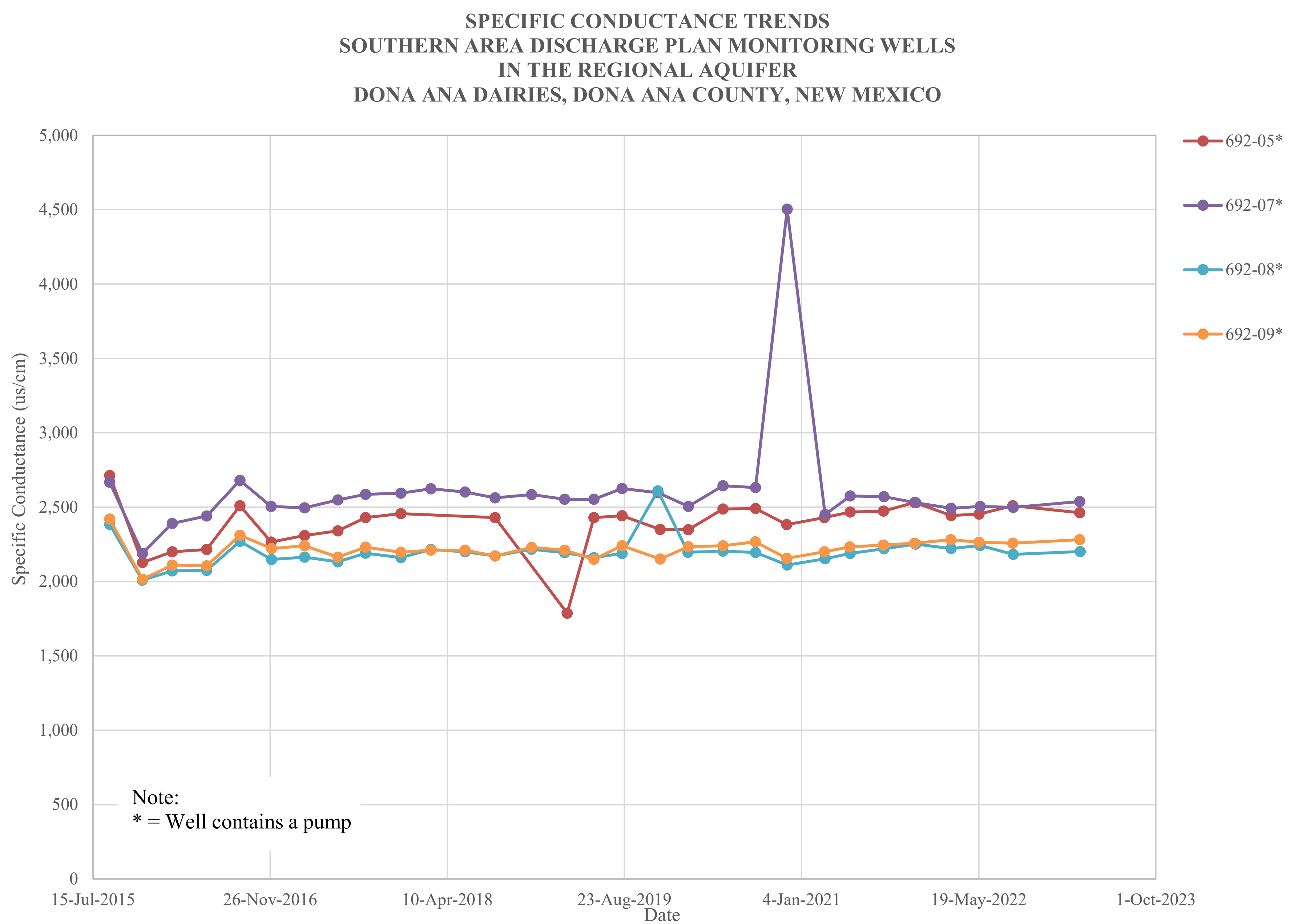
OXIDATION-REDUCTION POTENTIAL TRENDS
NORTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
ORP (uS/cm)
400
300
200
100
0
-100
-200
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date
Note:
* = Well contains a pump; as a result,
values are not representative of aquifer conditions.
70-03
70/86/340-01
86/340-01
126-04
126-05
126-07
126-09
126-12
126-13
70-01
70-02
70-04
340-01
340-02
42-02*
42-03*
42-06*
42-10*
42-11*
42-12*
624-01
624-02
624-09
624-10
624-11



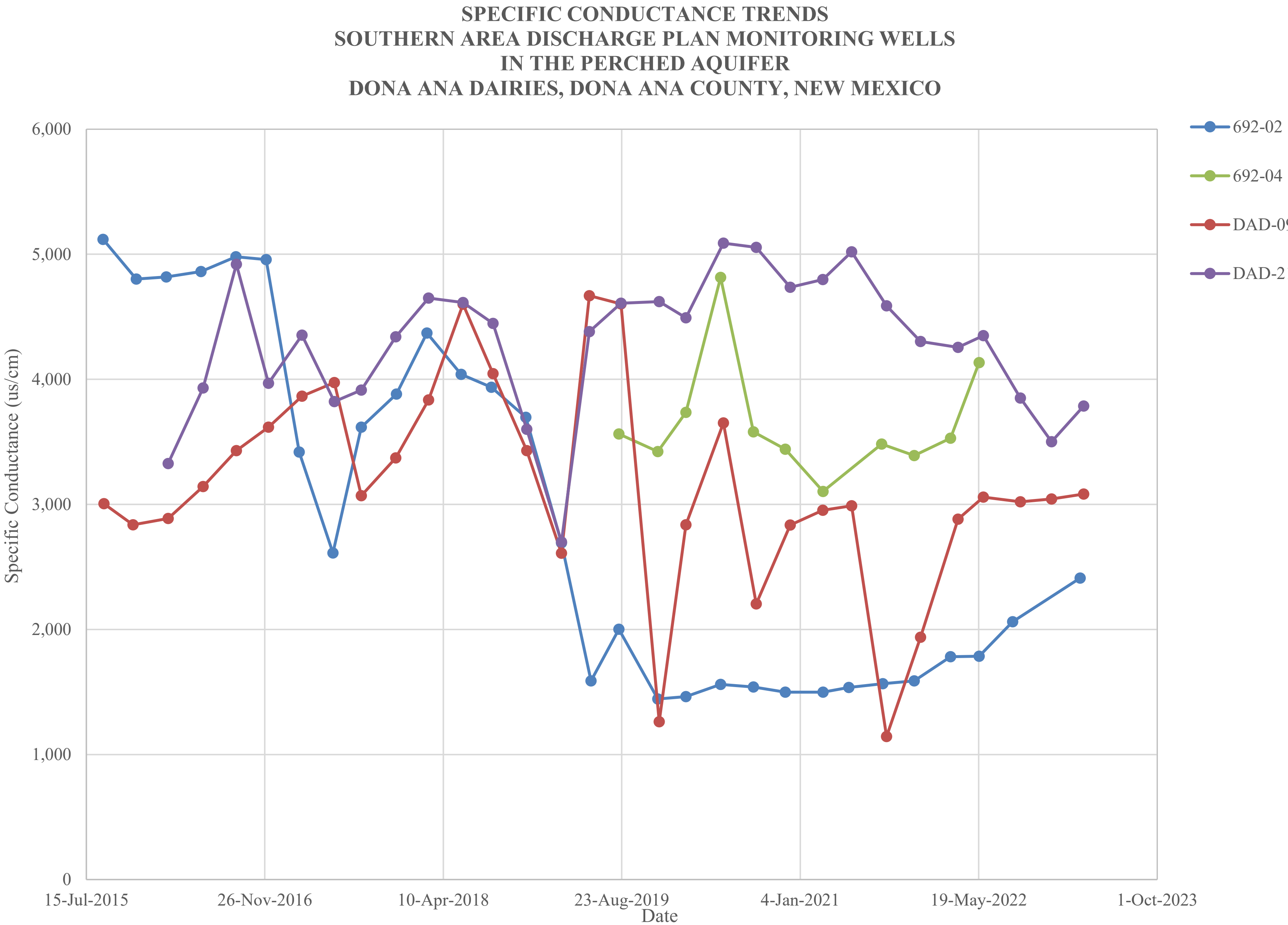
SPECIFIC CONDUCTANCE TRENDS
CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Specific Conductane (us/cm)
12,000
10,000
8,000
6,000
4,000
2,000
0
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date
74-01
74-02
74-03
74-04
74-05
833-02
833-04
833-05
833-06
833-07
833-08
833-09
833-10
257-01
257-02
257/260-01


DISSOLVED OXYGEN TRENDS
CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Dissolved Oxygen (mg/L)
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
-1.00
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date
74-01
74-02
74-03
74-04
74-05
833-02
833-04
833-05
833-06
833-07
833-08
833-09
833-10
257-01
257-02
257/260-01

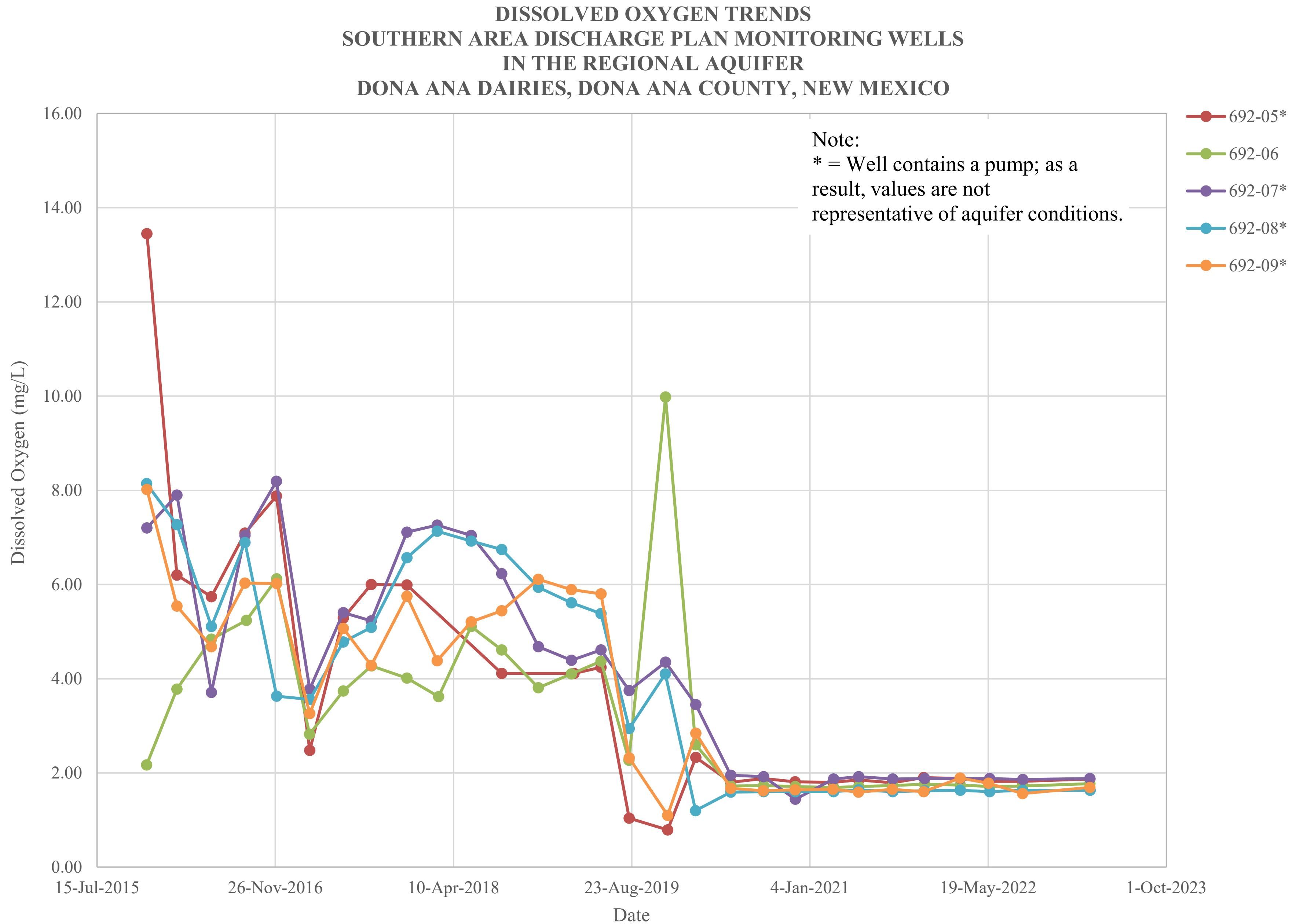

OXIDATION-REDUCTION POTENTIAL TRENDS
CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
ORP (uS/cm)
700
600
500
400
300
200
100
0
-100
-200
-300
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date
74-01
74-02
74-03
74-04
74-05
833-02
833-04
833-05
833-06
833-07
833-08
833-09
833-10
257-01
257-02

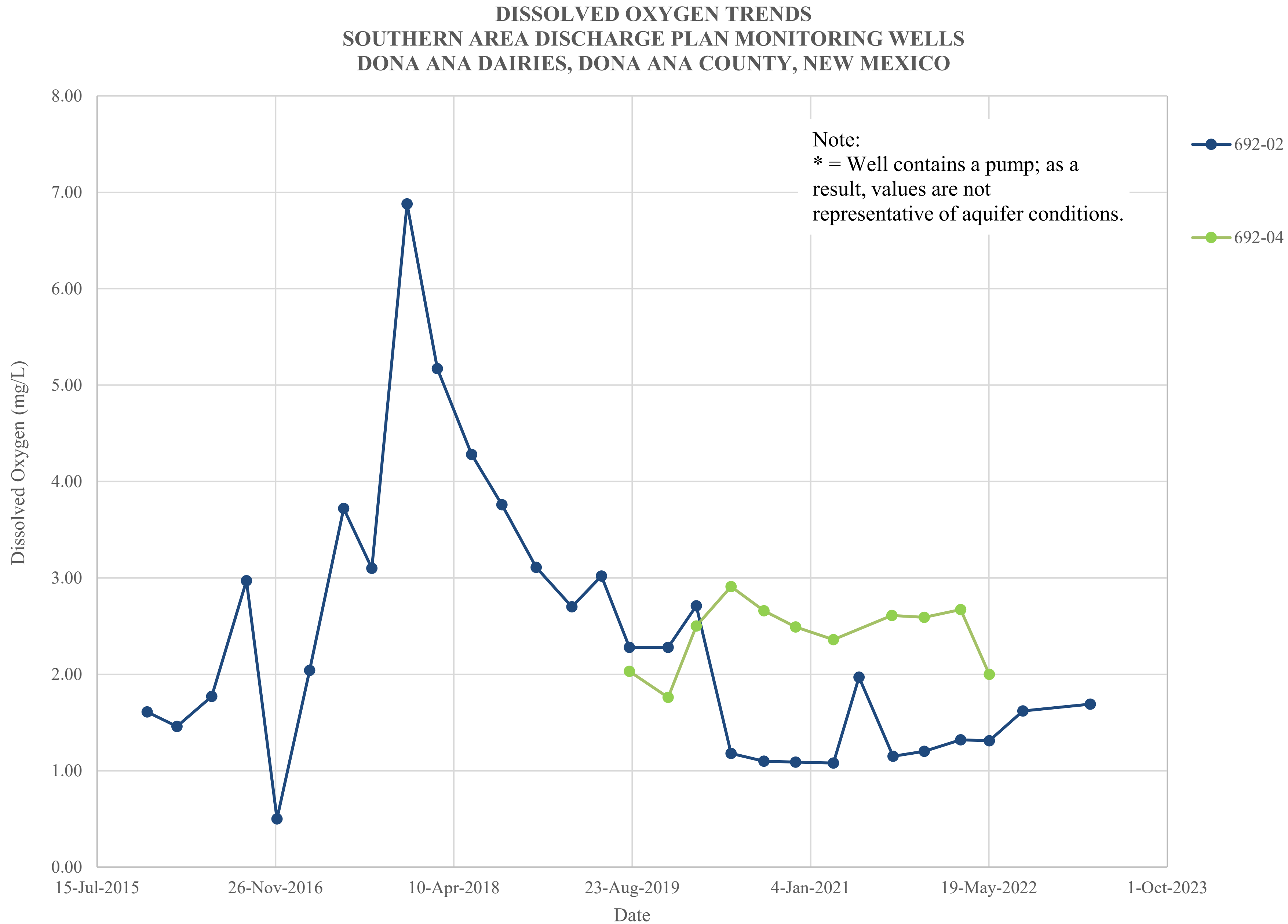


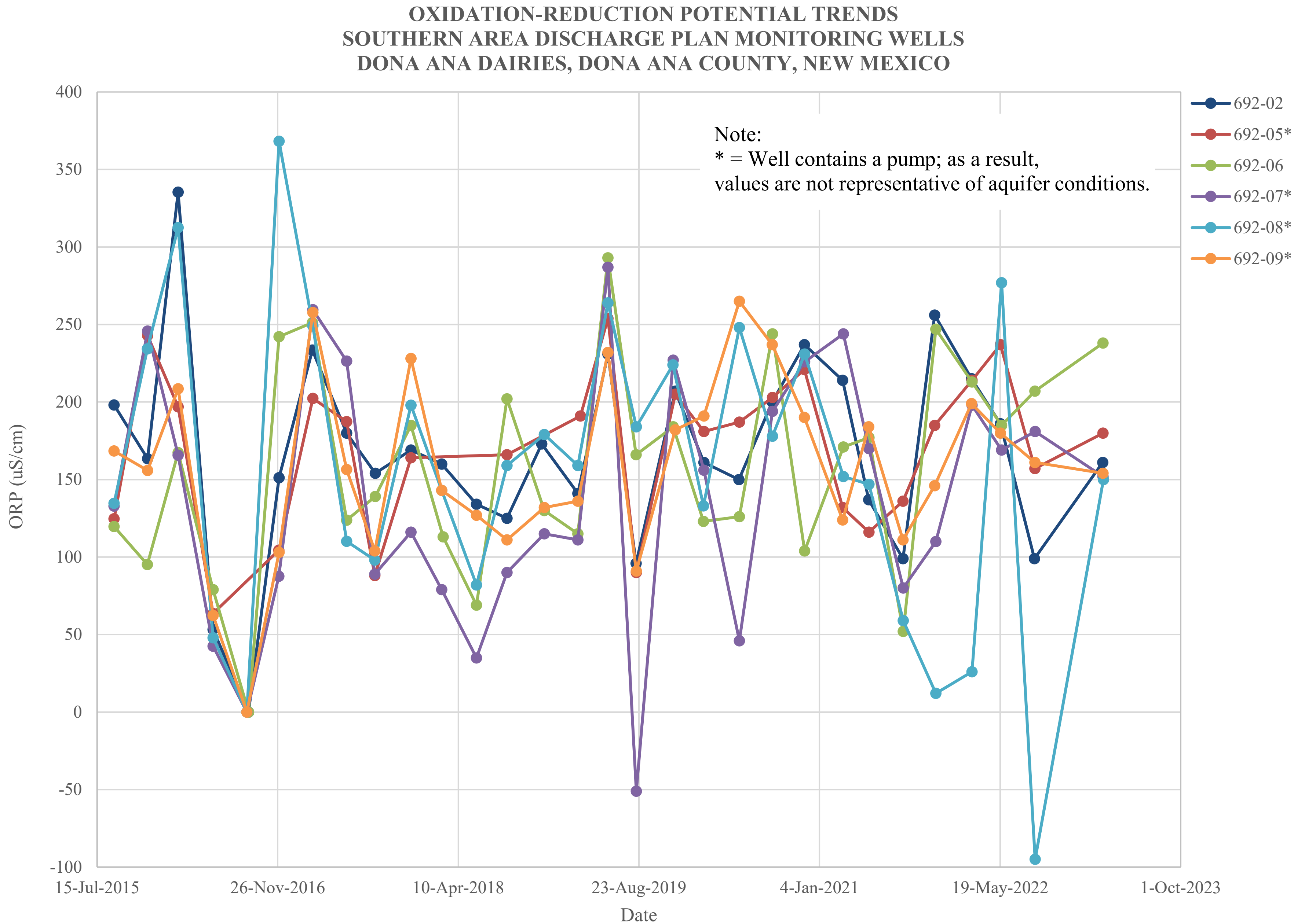
SPECIFIC CONDUCTANCE TRENDS
SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Specific Conductance (us/cm)
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date
692-05*
692-07*
692-08*
692-09*
Note:
* = Well contains a pump

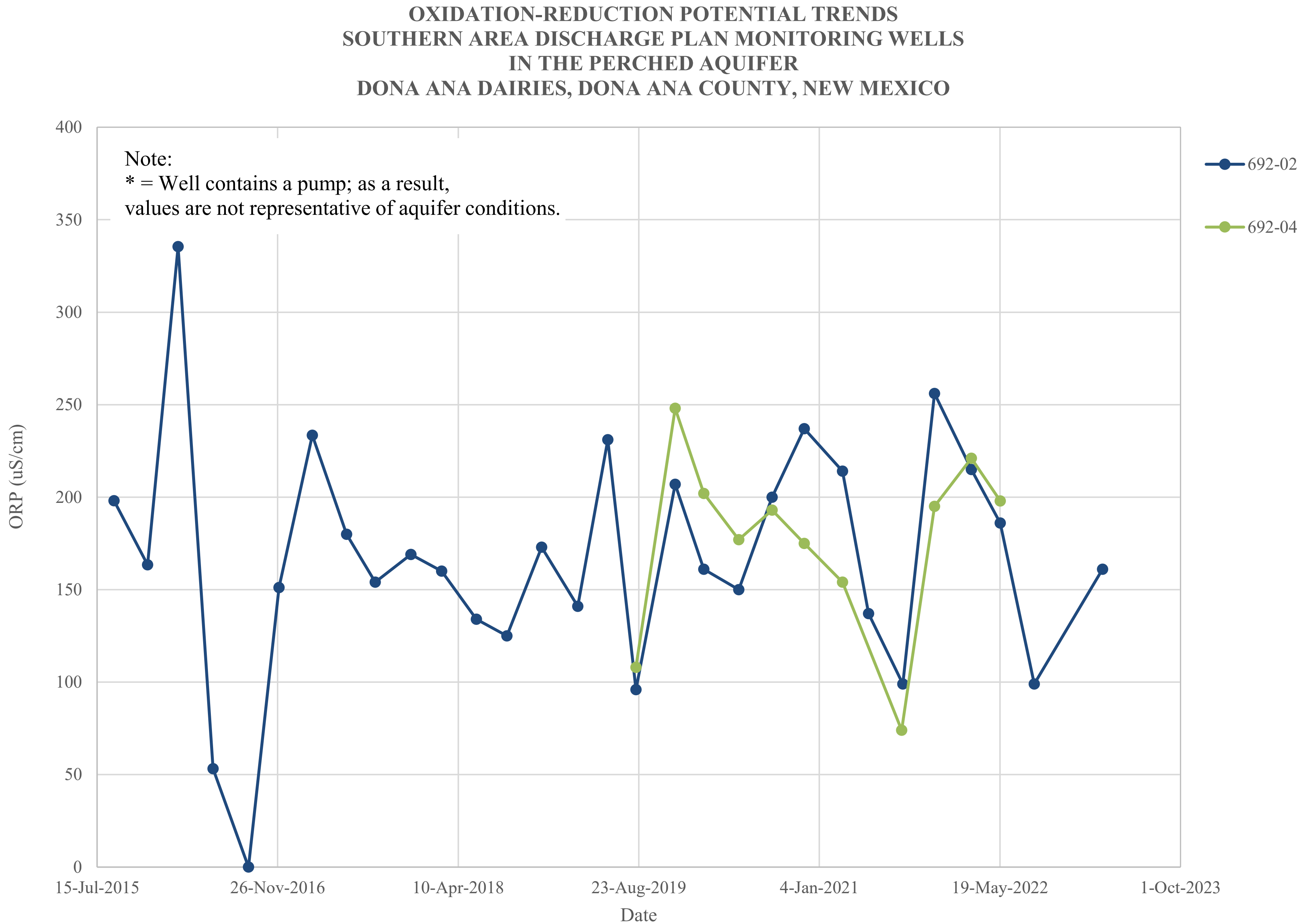


SPECIFIC CONDUCTANCE TRENDS
SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Specific Conductance (us/cm)
0
1,000
2,000
3,000
4,000
5,000
6,000
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date
692-02
692-04
DAD-09
DAD-21


DISSOLVED OXYGEN TRENDS
SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Note:
* = Well contains a pump; as a result, values are not representative of aquifer conditions.
692-05*
692-06
692-07*
692-08*
692-09*
Dissolved Oxygen (mg/L)
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date

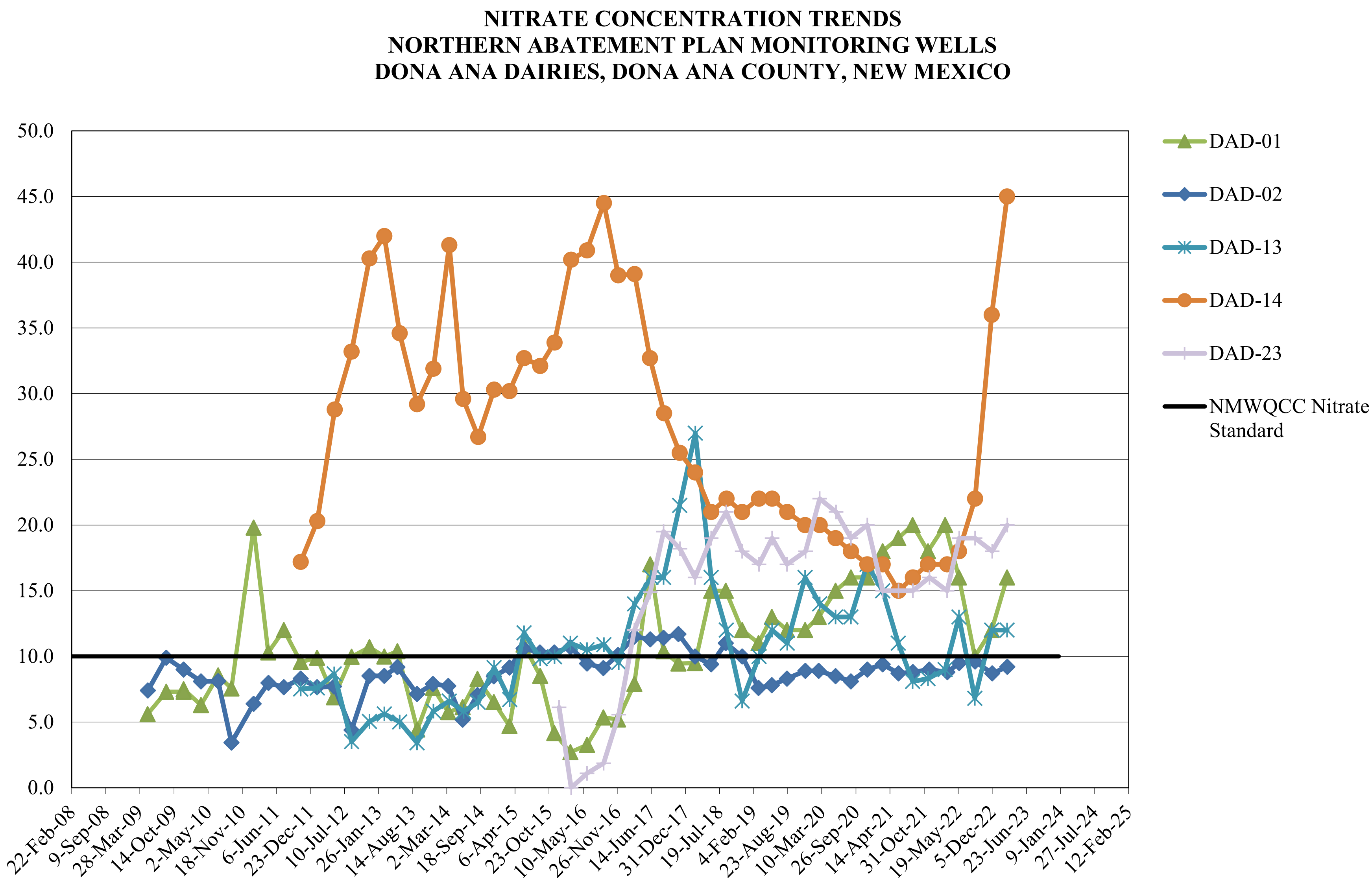

DISSOLVED OXYGEN TRENDS
SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Note:
* = Well contains a pump; as a result, values are not representative of aquifer conditions.
692-02
692-04
Dissolved Oxygen (mg/L)
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date

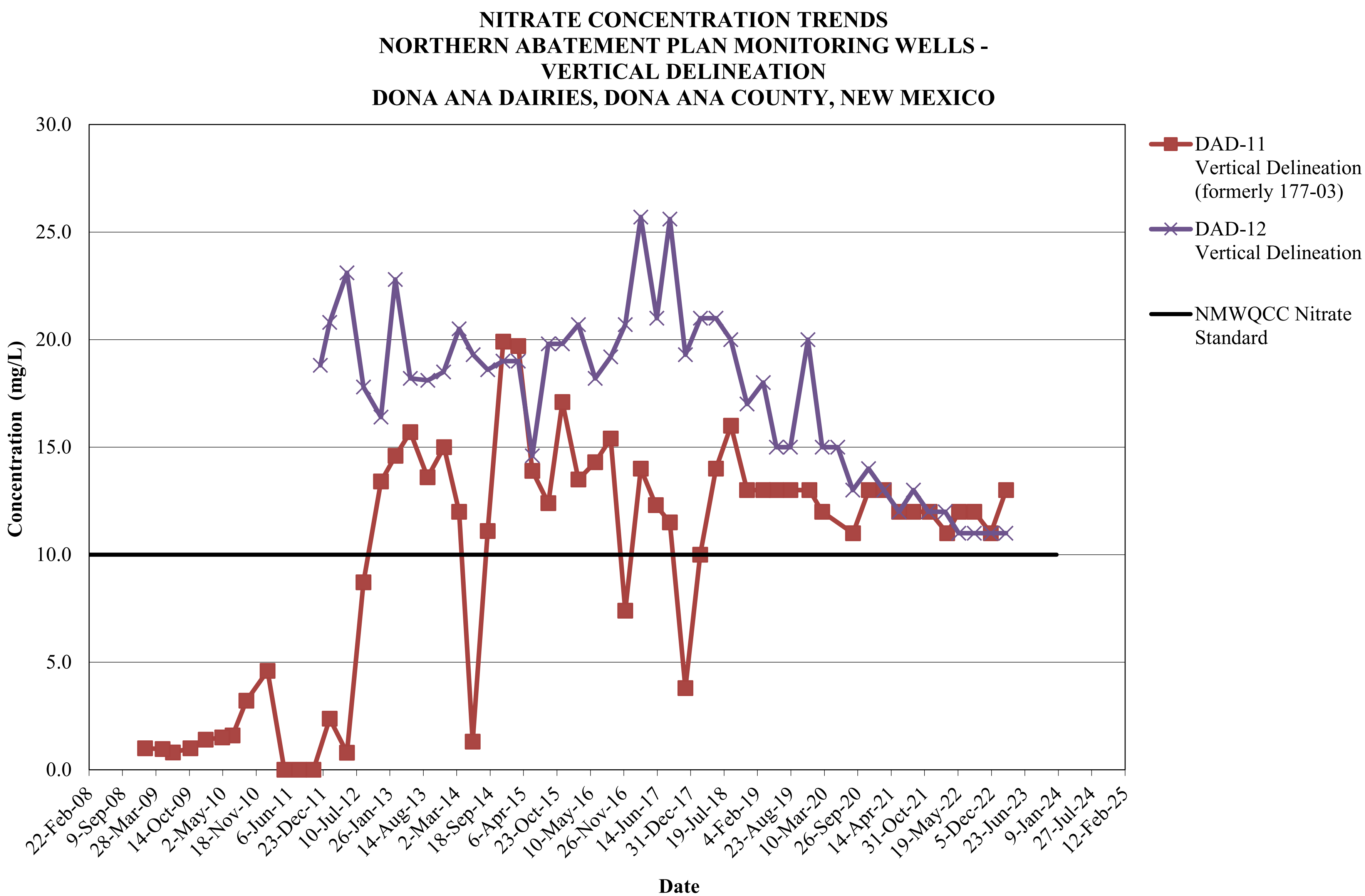

OXIDATION-REDUCTION POTENTIAL TRENDS
SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Note:
* = Well contains a pump; as a result,
values are not representative of aquifer conditions.
692-02
692-05*
692-06
692-07*
692-08*
692-09*
ORP (uS/cm)
400
350
300
250
200
150
100
50
0
-50
-100
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date


OXIDATION-REDUCTION POTENTIAL TRENDS
SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Note:
* = Well contains a pump; as a result,
values are not representative of aquifer conditions.
ORP (uS/cm)
400
350
300
250
200
150
100
50
0
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
Date
692-02
692-04

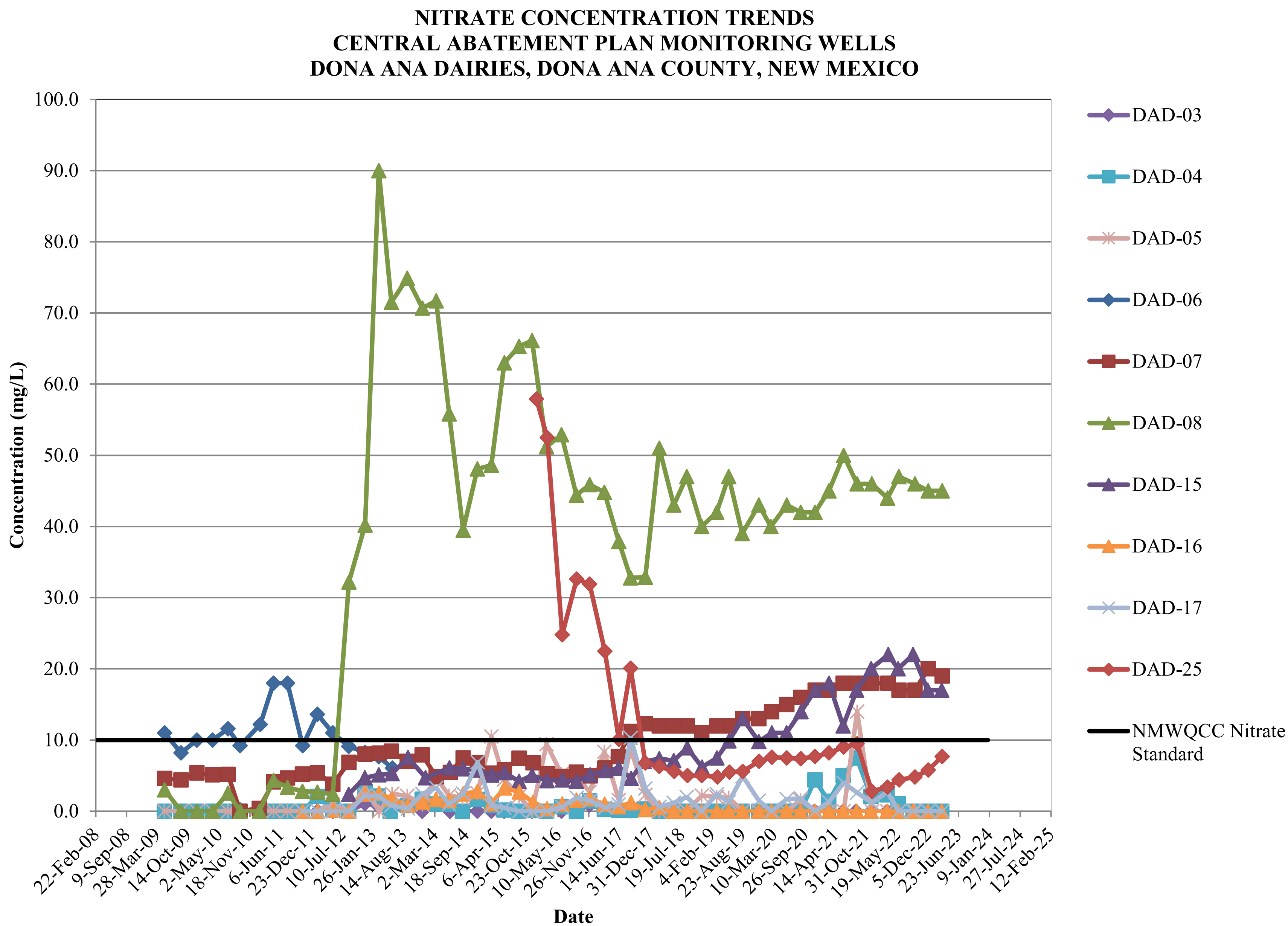
APPENDIX E

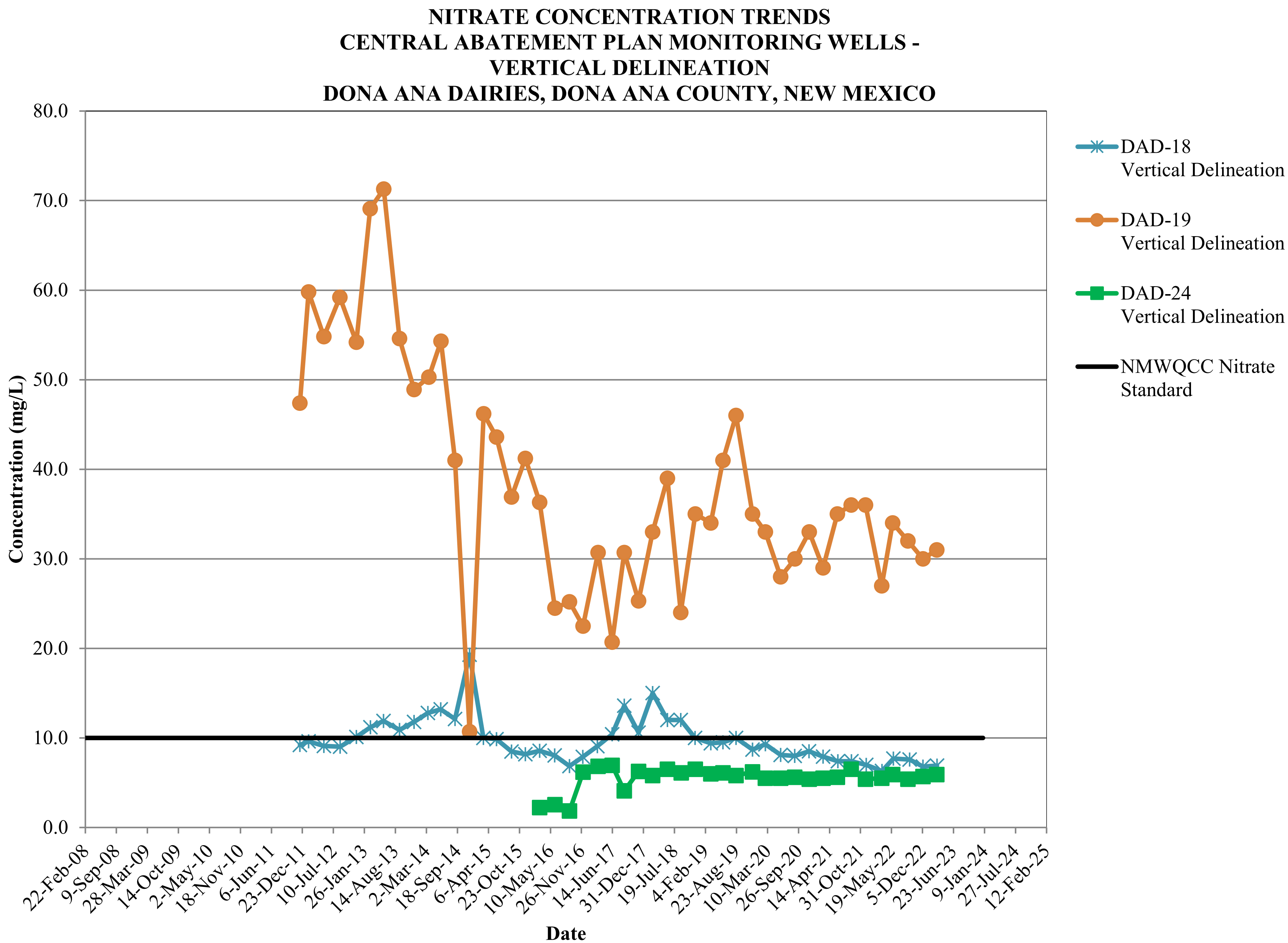
CONCENTRATION TRENDS BY AREA – ABATEMENT PLAN WELLS

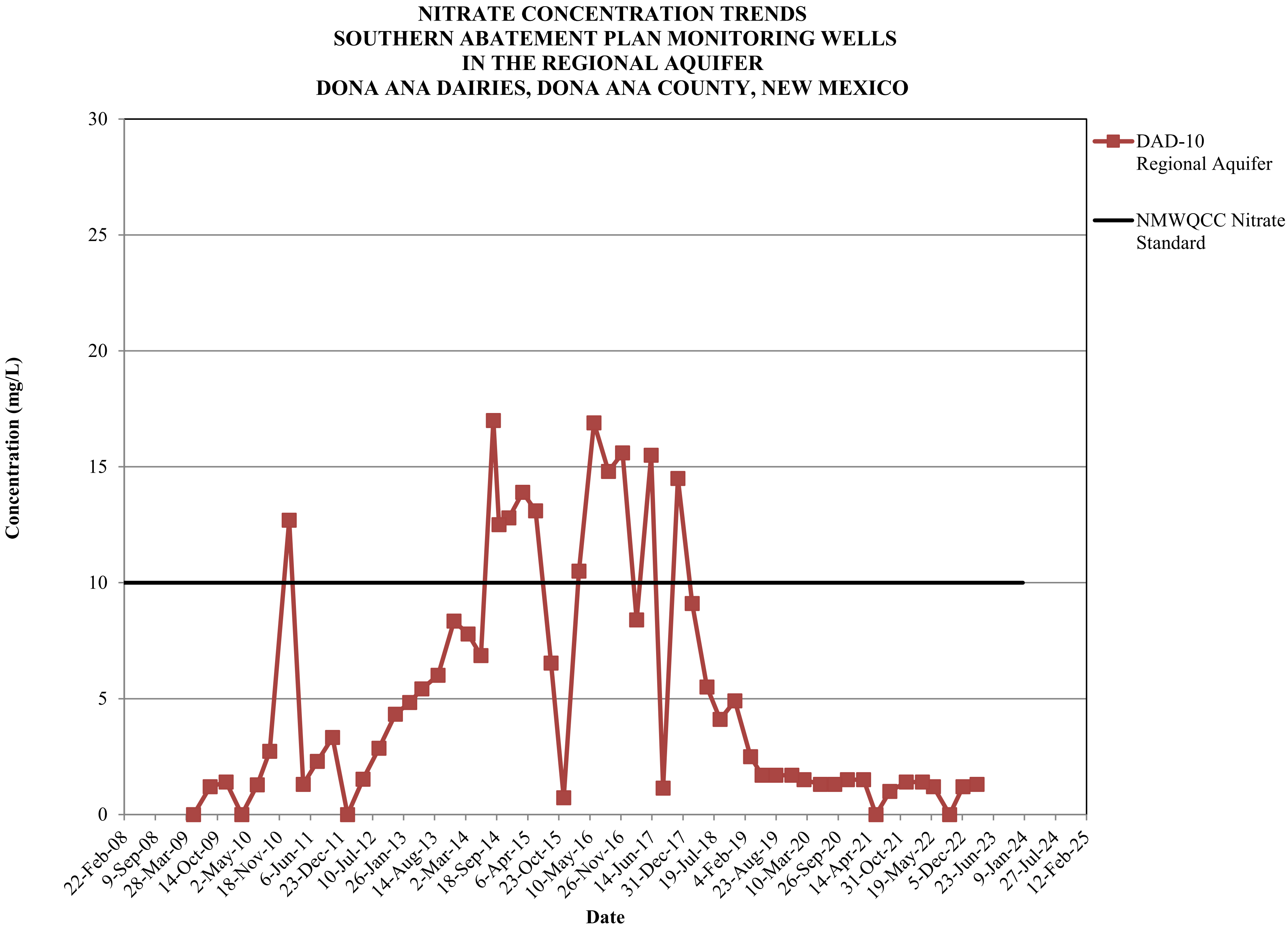

NITRATE CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
22-Feb-08
9-Sep-08
28-Mar-09
14-Oct-09
2-May-10
18-Nov-10
6-Jun-11
23-Dec-11
10-Jul-12
26-Jan-13
14-Aug-13
2-Mar-14
18-Sep-14
6-Apr-15
23-Oct-15
10-May-16
26-Nov-16
14-Jun-17
31-Dec-17
19-Jul-18
4-Feb-19
23-Aug-19
10-Mar-20
26-Sep-20
14-Apr-21
31-Oct-21
19-May-22
5-Dec-22
23-Jun-23
9-Jan-24
27-Jul-24
12-Feb-25
DAD-01
DAD-02
DAD-13
DAD-14
DAD-23
NMWQCC Nitrate Standard

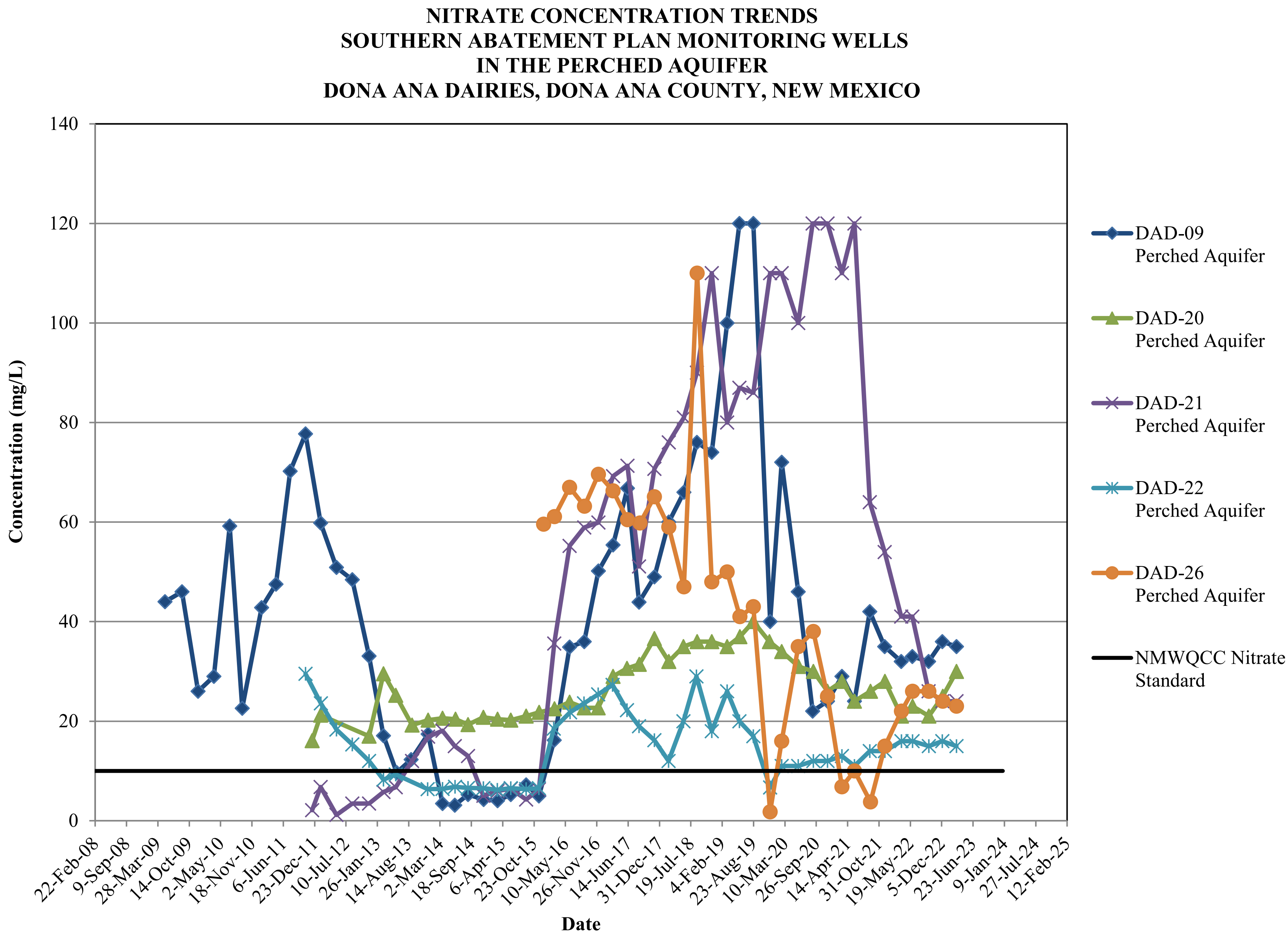


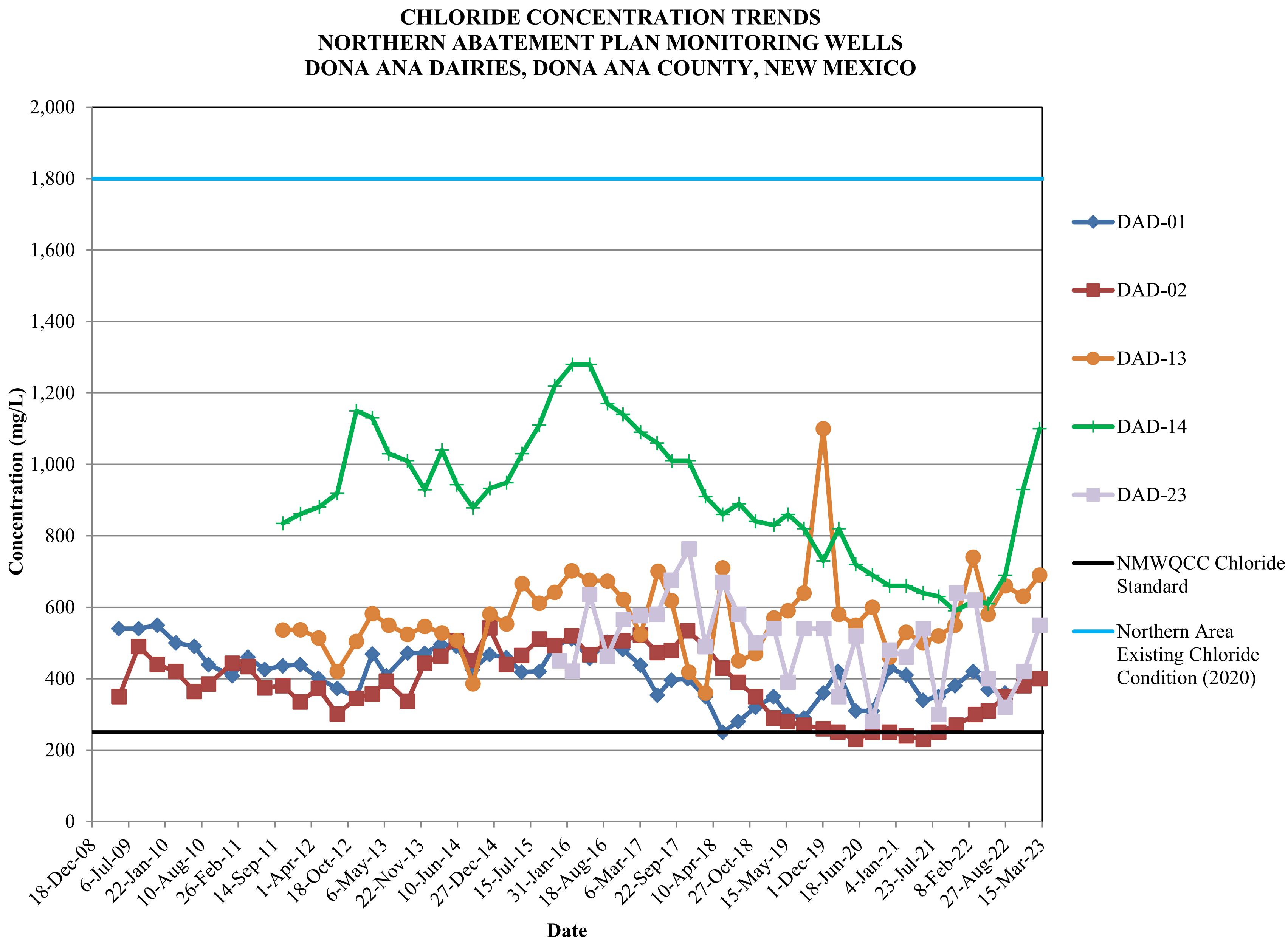
NITRATE CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
30.0
25.0
20.0
15.0
10.0
5.0
0.0
22-Feb-08
9-Sep-08
28-Mar-09
14-Oct-09
2-May-10
18-Nov-10
6-Jun-11
23-Dec-11
10-Jul-12
26-Jan-13
14-Aug-13
2-Mar-14
18-Sep-14
6-Apr-15
23-Oct-15
10-May-16
26-Nov-16
14-Jun-17
31-Dec-17
19-Jul-18
4-Feb-19
23-Aug-19
10-Mar-20
26-Sep-20
14-Apr-21
31-Oct-21
19-May-22
5-Dec-22
23-Jun-23
9-Jan-24
27-Jul-24
12-Feb-25
Date
DAD-11
Vertical Delineation
(formerly 177-03)
DAD-12
Vertical Delineation
NMWQCC Nitrate
Standard

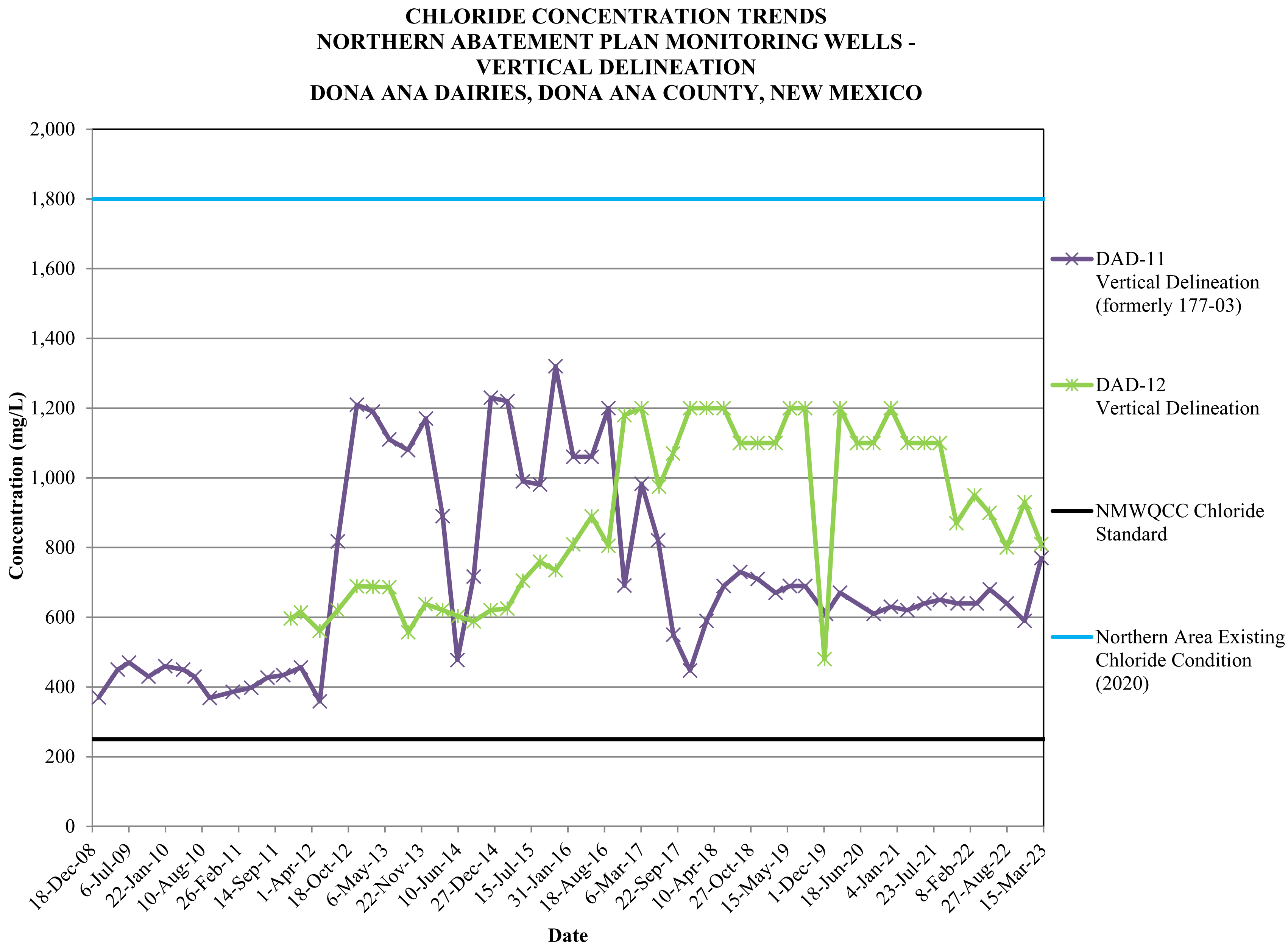

NITRATE CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
22-Feb-08
9-Sep-08
28-Mar-09
14-Oct-09
2-May-10
18-Nov-10
6-Jun-11
23-Dec-11
10-Jul-12
26-Jan-13
14-Aug-13
2-Mar-14
18-Sep-14
6-Apr-15
23-Oct-15
10-May-16
26-Nov-16
14-Jun-17
31-Dec-17
19-Jul-18
4-Feb-19
23-Aug-19
10-Mar-20
26-Sep-20
14-Apr-21
31-Oct-21
19-May-22
5-Dec-22
23-Jun-23
9-Jan-24
27-Jul-24
12-Feb-25
Date
DAD-03
DAD-04
DAD-05
DAD-06
DAD-07
DAD-08
DAD-15
DAD-16
DAD-17
DAD-25
NMWQCC Nitrate Standard

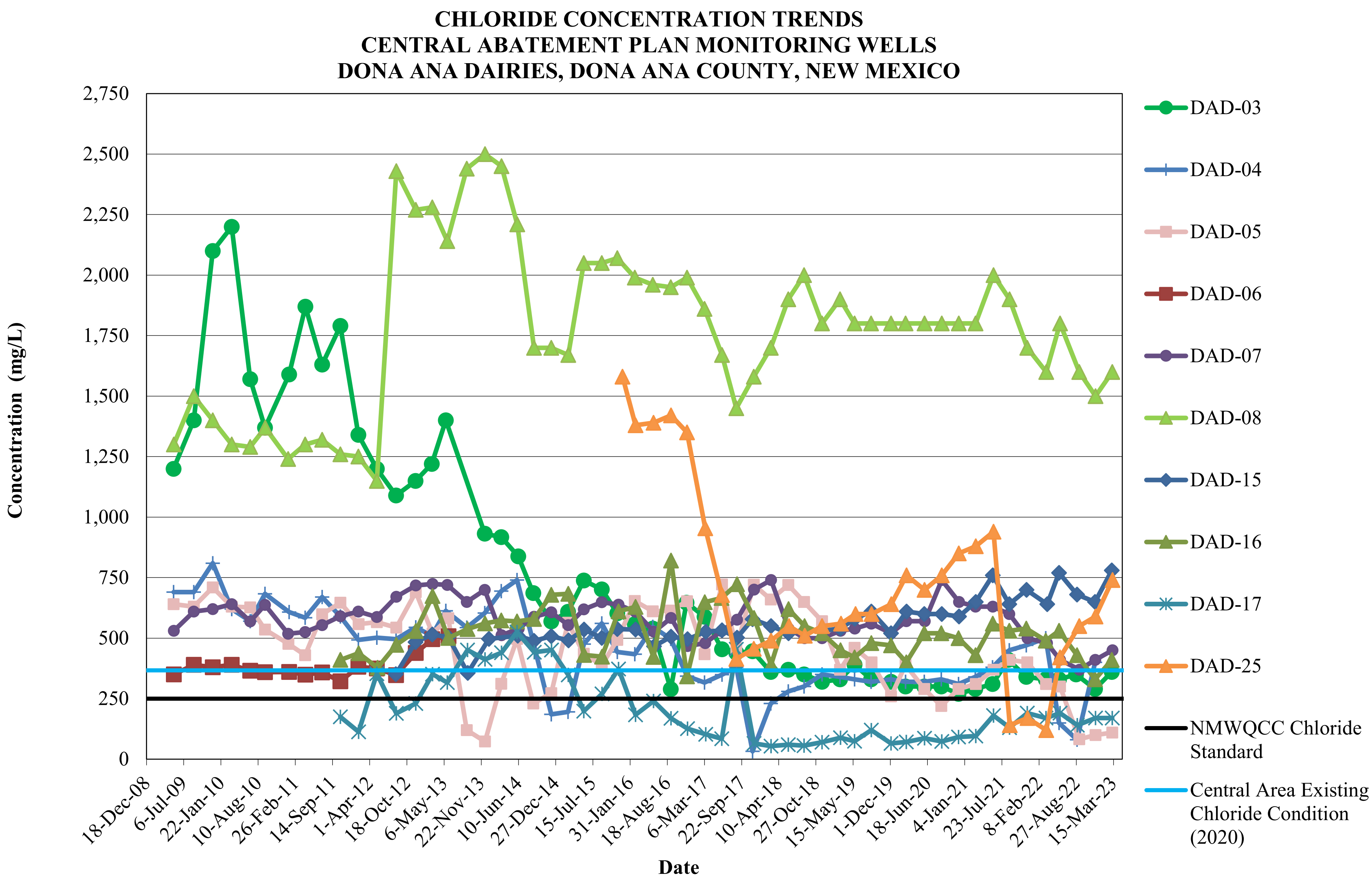

NITRATE CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
22-Feb-08
9-Sep-08
28-Mar-09
14-Oct-09
2-May-10
18-Nov-10
6-Jun-11
23-Dec-11
10-Jul-12
26-Jan-13
14-Aug-13
2-Mar-14
18-Sep-14
6-Apr-15
23-Oct-15
10-May-16
26-Nov-16
14-Jun-17
31-Dec-17
19-Jul-18
4-Feb-19
23-Aug-19
10-Mar-20
26-Sep-20
14-Apr-21
31-Oct-21
19-May-22
5-Dec-22
23-Jun-23
9-Jan-24
27-Jul-24
12-Feb-25
Date
DAD-18 Vertical Delineation
DAD-19 Vertical Delineation
DAD-24 Vertical Delineation
NMWQCC Nitrate Standard


NITRATE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
0
5
10
15
20
25
30
Date
22-Feb-08
9-Sep-08
28-Mar-09
14-Oct-09
2-May-10
18-Nov-10
6-Jun-11
23-Dec-11
10-Jul-12
26-Jan-13
14-Aug-13
2-Mar-14
18-Sep-14
6-Apr-15
23-Oct-15
10-May-16
26-Nov-16
14-Jun-17
31-Dec-17
19-Jul-18
4-Feb-19
23-Aug-19
10-Mar-20
26-Sep-20
14-Apr-21
31-Oct-21
19-May-22
5-Dec-22
23-Jun-23
9-Jan-24
27-Jul-24
12-Feb-25
DAD-10
Regional Aquifer
NMWQCC Nitrate
Standard

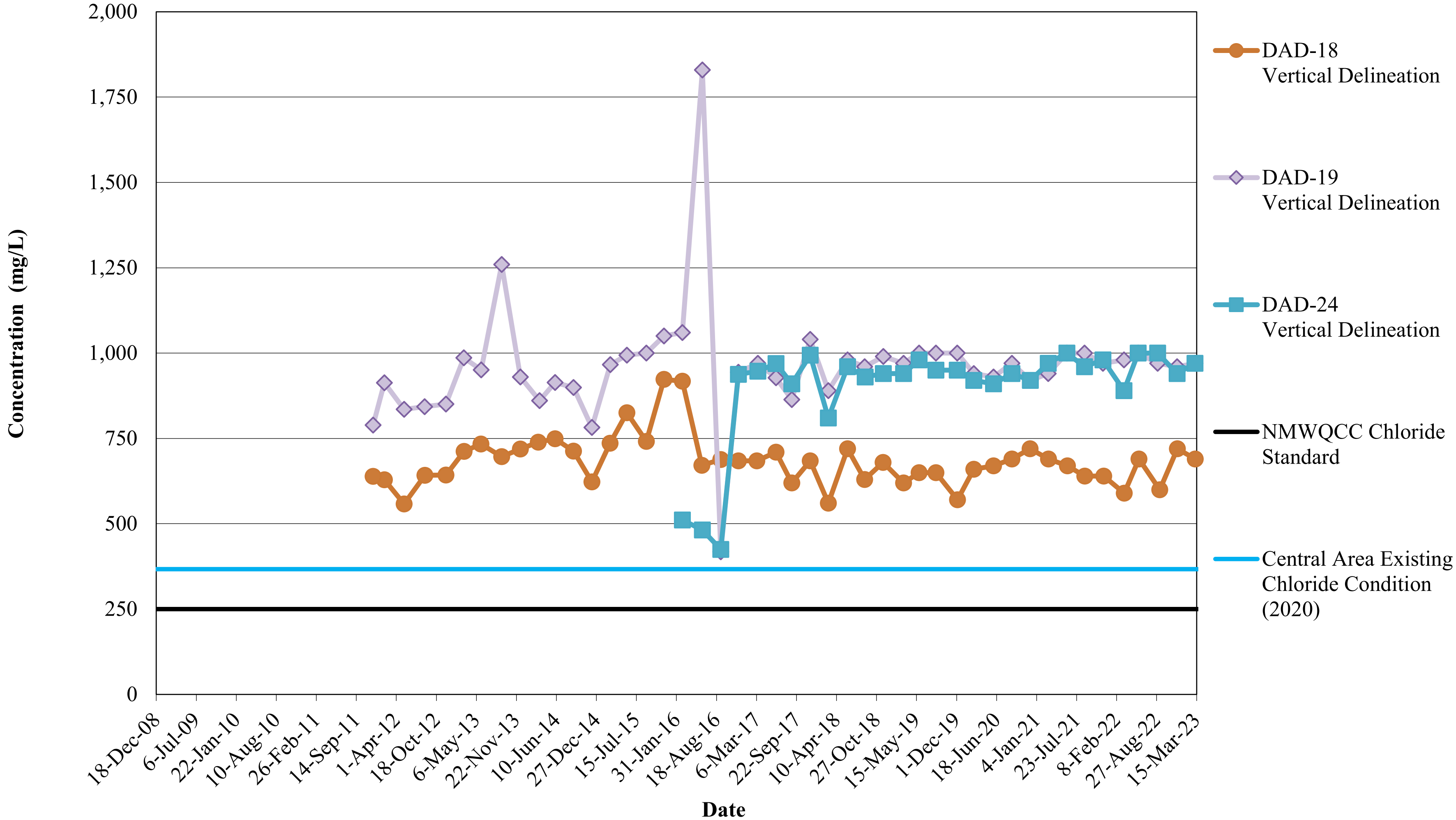

NITRATE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
140
120
100
80
60
40
20
0
22-Feb-08
9-Sep-08
28-Mar-09
14-Oct-09
2-May-10
18-Nov-10
6-Jun-11
23-Dec-11
10-Jul-12
26-Jan-13
14-Aug-13
2-Mar-14
18-Sep-14
6-Apr-15
23-Oct-15
10-May-16
26-Nov-16
14-Jun-17
31-Dec-17
19-Jul-18
4-Feb-19
23-Aug-19
10-Mar-20
26-Sep-20
14-Apr-21
31-Oct-21
19-May-22
5-Dec-22
23-Jun-23
9-Jan-24
27-Jul-24
12-Feb-25
Date
DAD-09 Perched Aquifer
DAD-20 Perched Aquifer
DAD-21 Perched Aquifer
DAD-22 Perched Aquifer
DAD-26 Perched Aquifer
NMWQCC Nitrate Standard

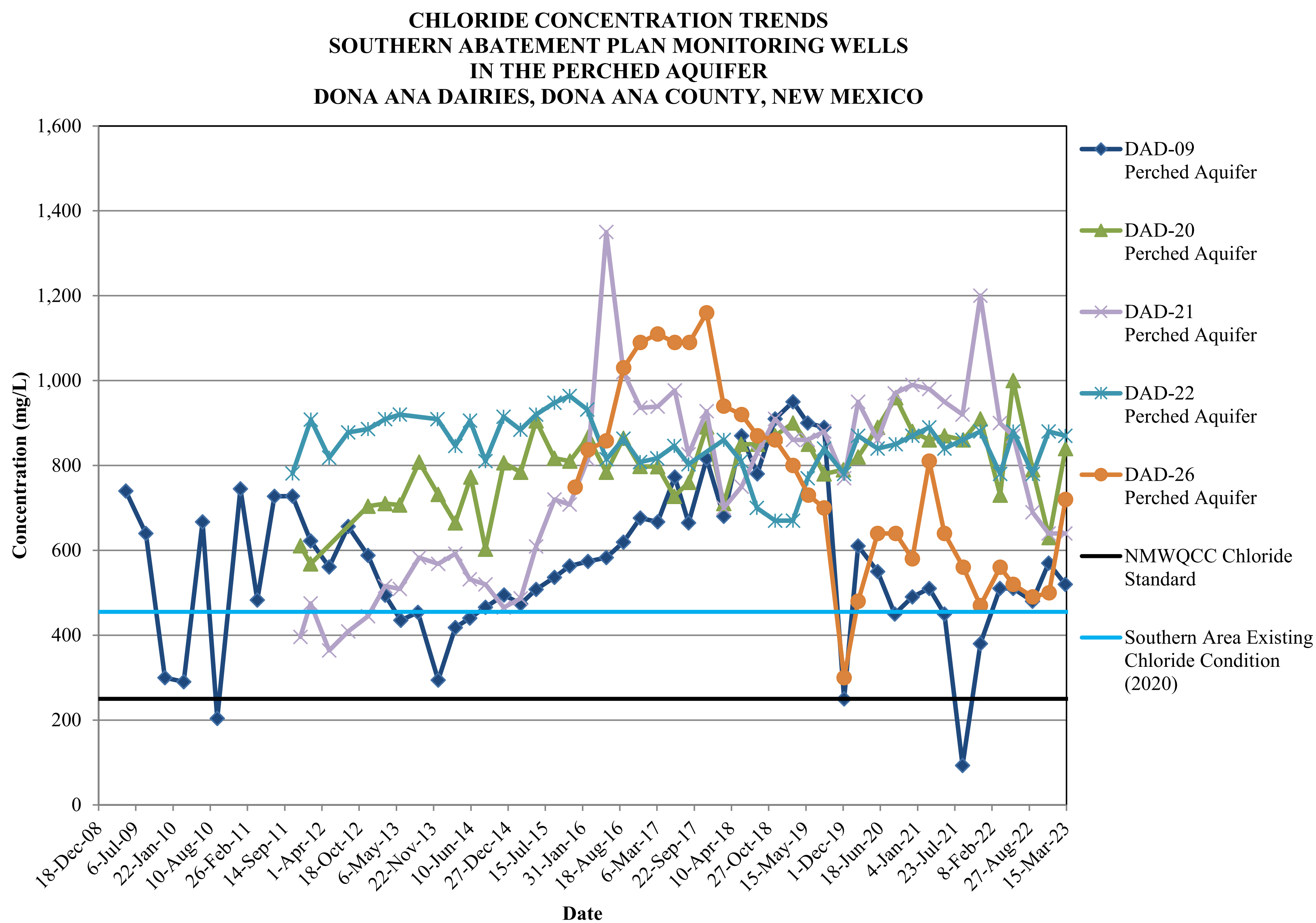

CHLORIDE CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
6-Mar-17
22-Sep-17
10-Apr-18
27-Oct-18
15-May-19
1-Dec-19
18-Jun-20
4-Jan-21
23-Jul-21
8-Feb-22
27-Aug-22
15-Mar-23
Date
DAD-01
DAD-02
DAD-13
DAD-14
DAD-23
NMWQCC Chloride Standard
Northern Area Existing Chloride Condition (2020)

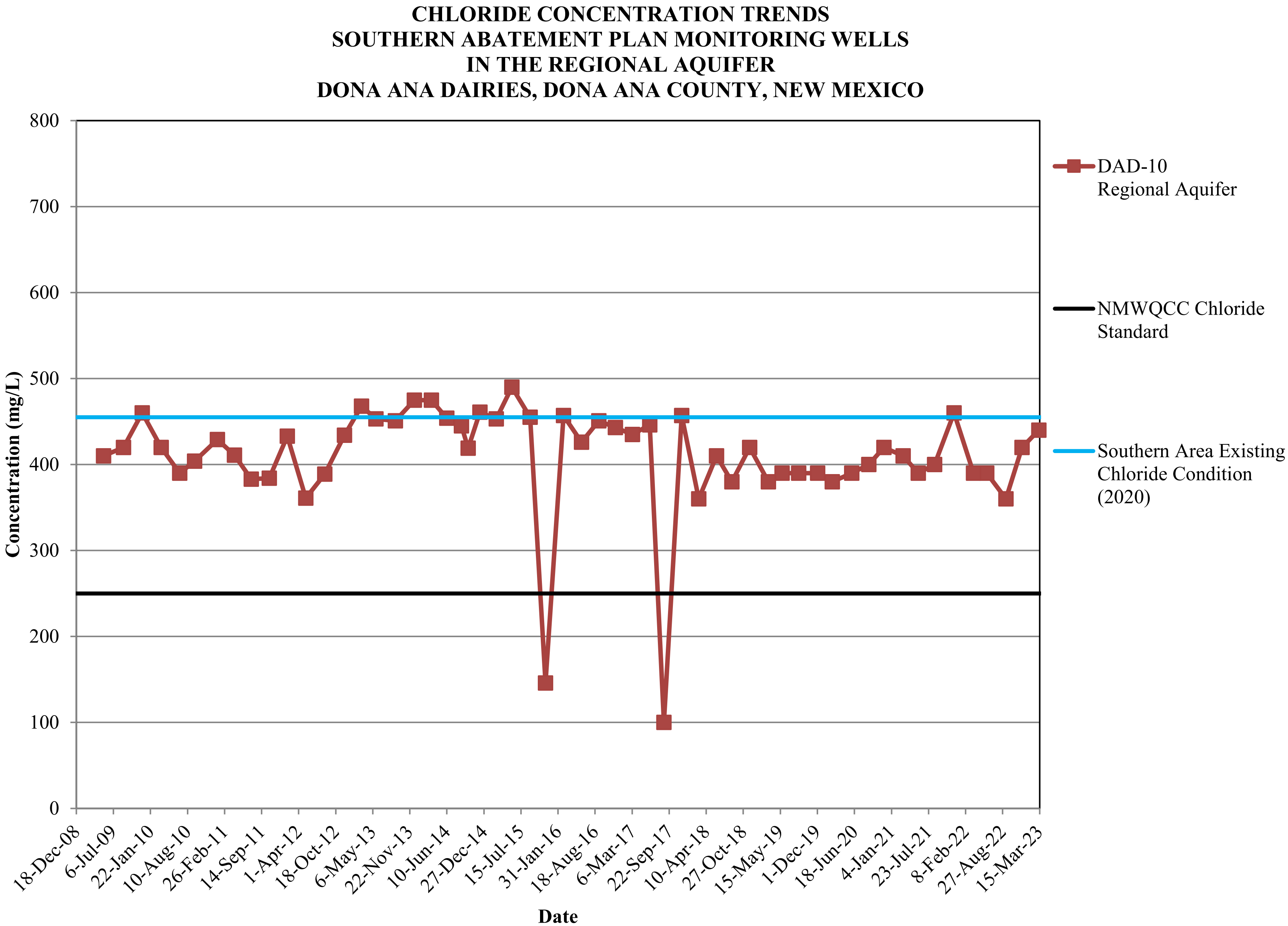

CHLORIDE CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
Date
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
6-Mar-17
22-Sep-17
10-Apr-18
27-Oct-18
15-May-19
1-Dec-19
18-Jun-20
4-Jan-21
23-Jul-21
8-Feb-22
27-Aug-22
15-Mar-23
DAD-11
Vertical Delineation
(formerly 177-03)
DAD-12
Vertical Delineation
NMWQCC Chloride
Standard
Northern Area Existing
Chloride Condition
(2020)

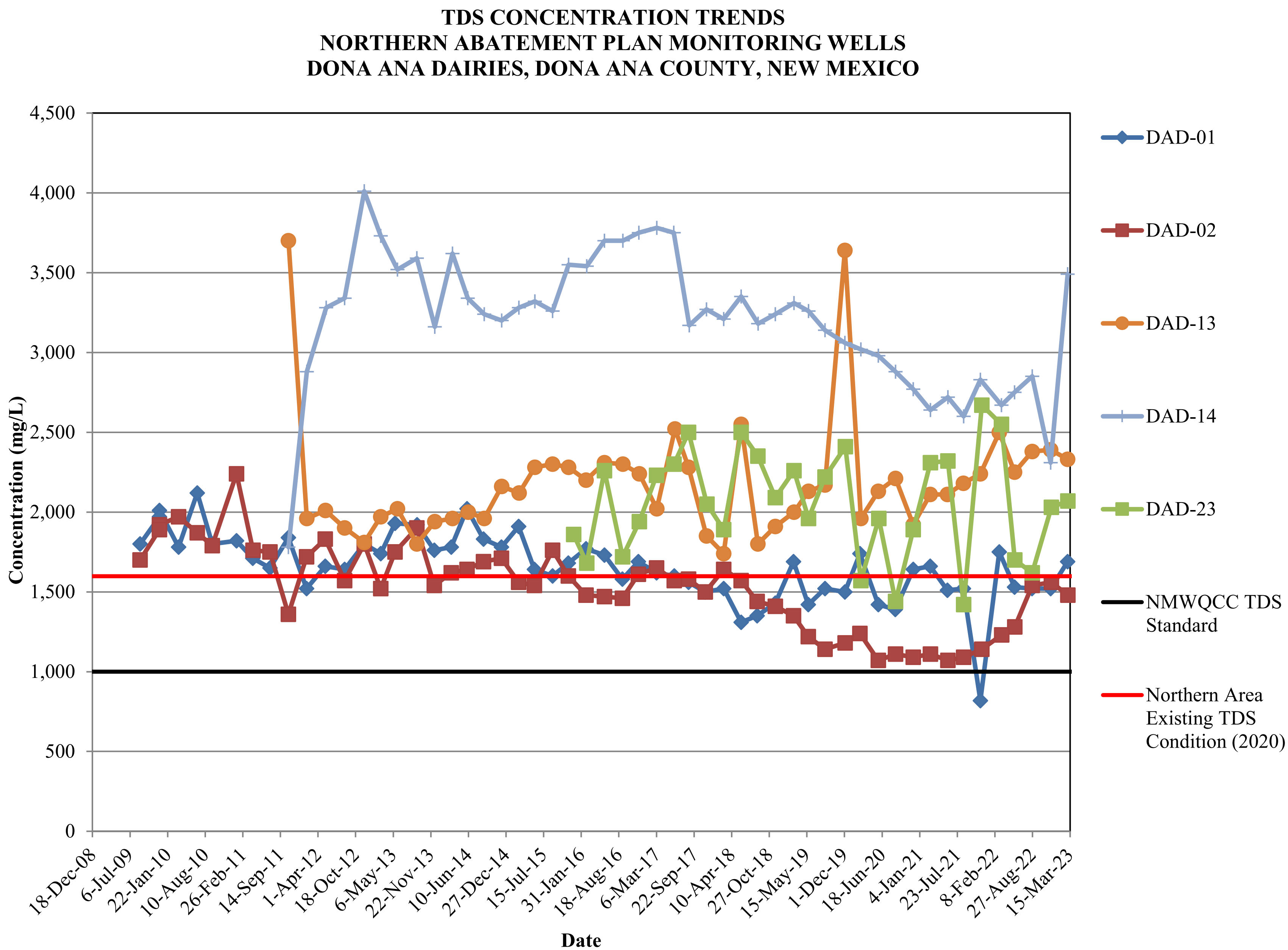

CHLORIDE CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
2,750
2,500
2,250
2,000
1,750
1,500
1,250
1,000
750
500
250
0
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
6-Mar-17
22-Sep-17
10-Apr-18
27-Oct-18
15-May-19
1-Dec-19
18-Jun-20
4-Jan-21
23-Jul-21
8-Feb-22
27-Aug-22
15-Mar-23
Date
DAD-03
DAD-04
DAD-05
DAD-06
DAD-07
DAD-08
DAD-15
DAD-16
DAD-17
DAD-25
NMWQCC Chloride Standard
Central Area Existing Chloride Condition (2020)

CHLORIDE CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

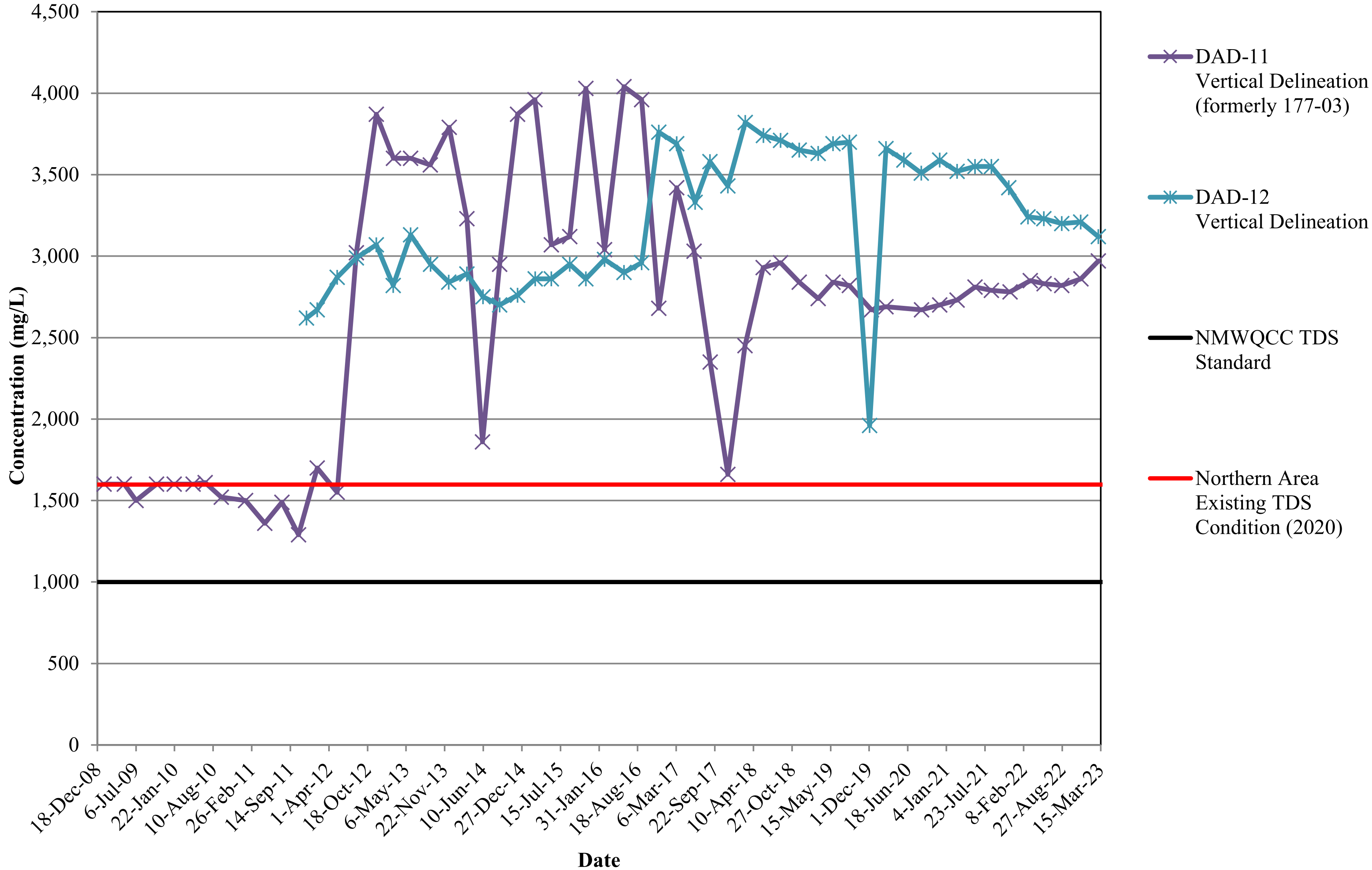


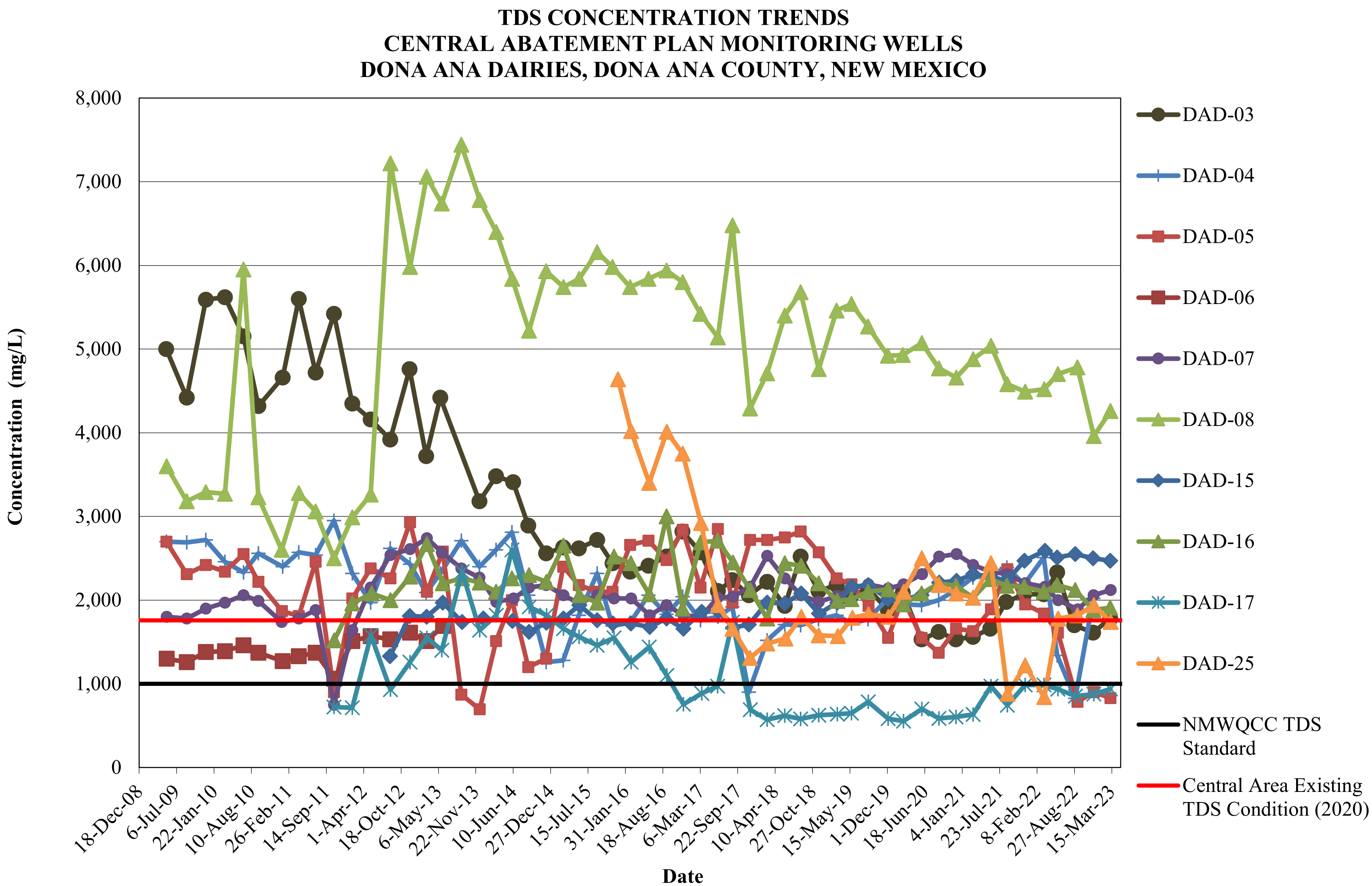

CHLORIDE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
0
200
400
600
800
1,000
1,200
1,400
1,600
Date
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
6-Mar-17
22-Sep-17
10-Apr-18
27-Oct-18
15-May-19
1-Dec-19
18-Jun-20
4-Jan-21
23-Jul-21
8-Feb-22
27-Aug-22
15-Mar-23
DAD-09 Perched Aquifer
DAD-20 Perched Aquifer
DAD-21 Perched Aquifer
DAD-22 Perched Aquifer
DAD-26 Perched Aquifer
NMWQCC Chloride Standard
Southern Area Existing Chloride Condition (2020)

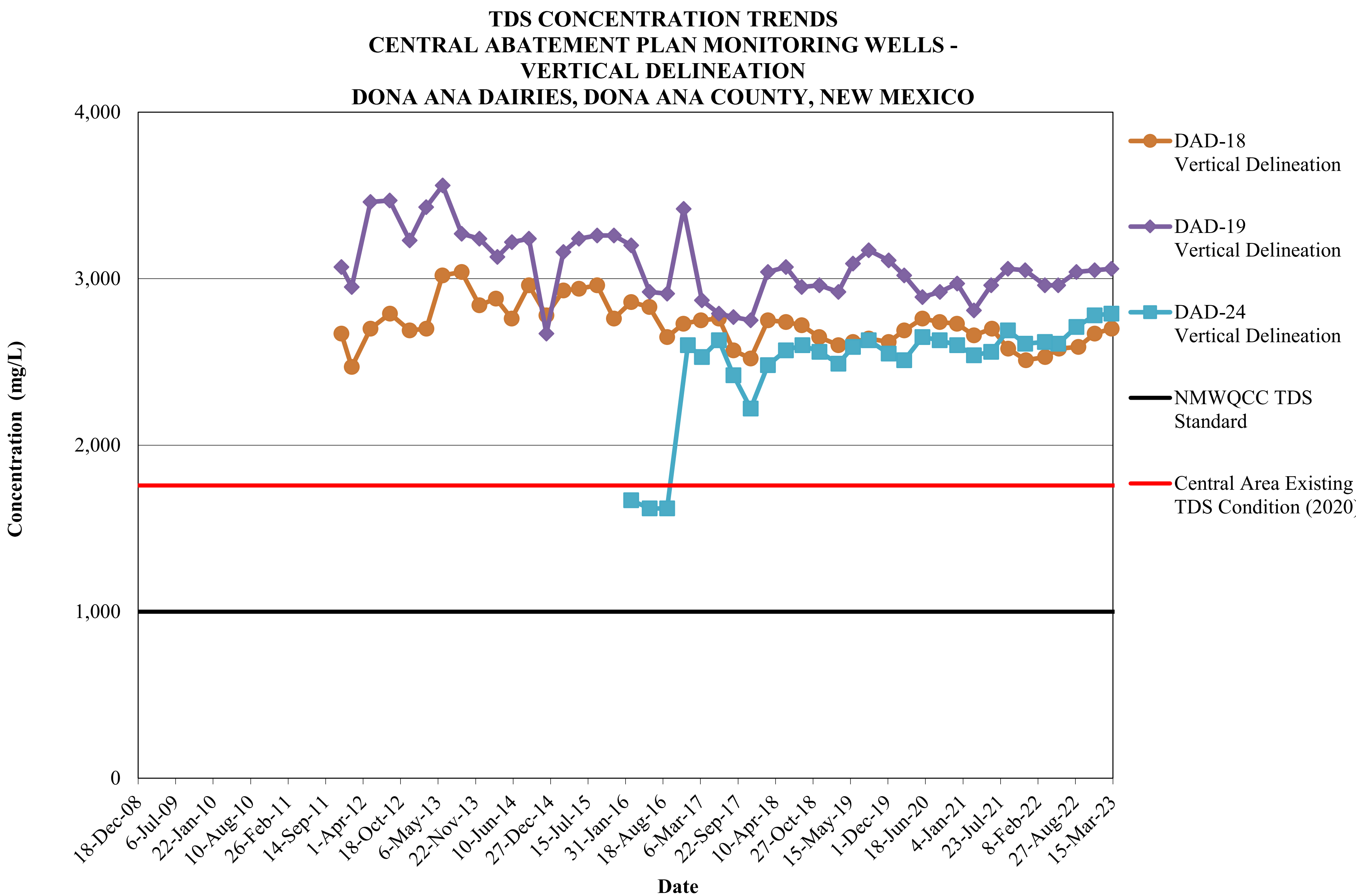

CHLORIDE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
800
700
600
500
400
300
200
100
0
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
6-Mar-17
22-Sep-17
10-Apr-18
27-Oct-18
15-May-19
1-Dec-19
18-Jun-20
4-Jan-21
23-Jul-21
8-Feb-22
27-Aug-22
15-Mar-23
Date
DAD-10
Regional Aquifer
NMWQCC Chloride
Standard
Southern Area Existing
Chloride Condition
(2020)

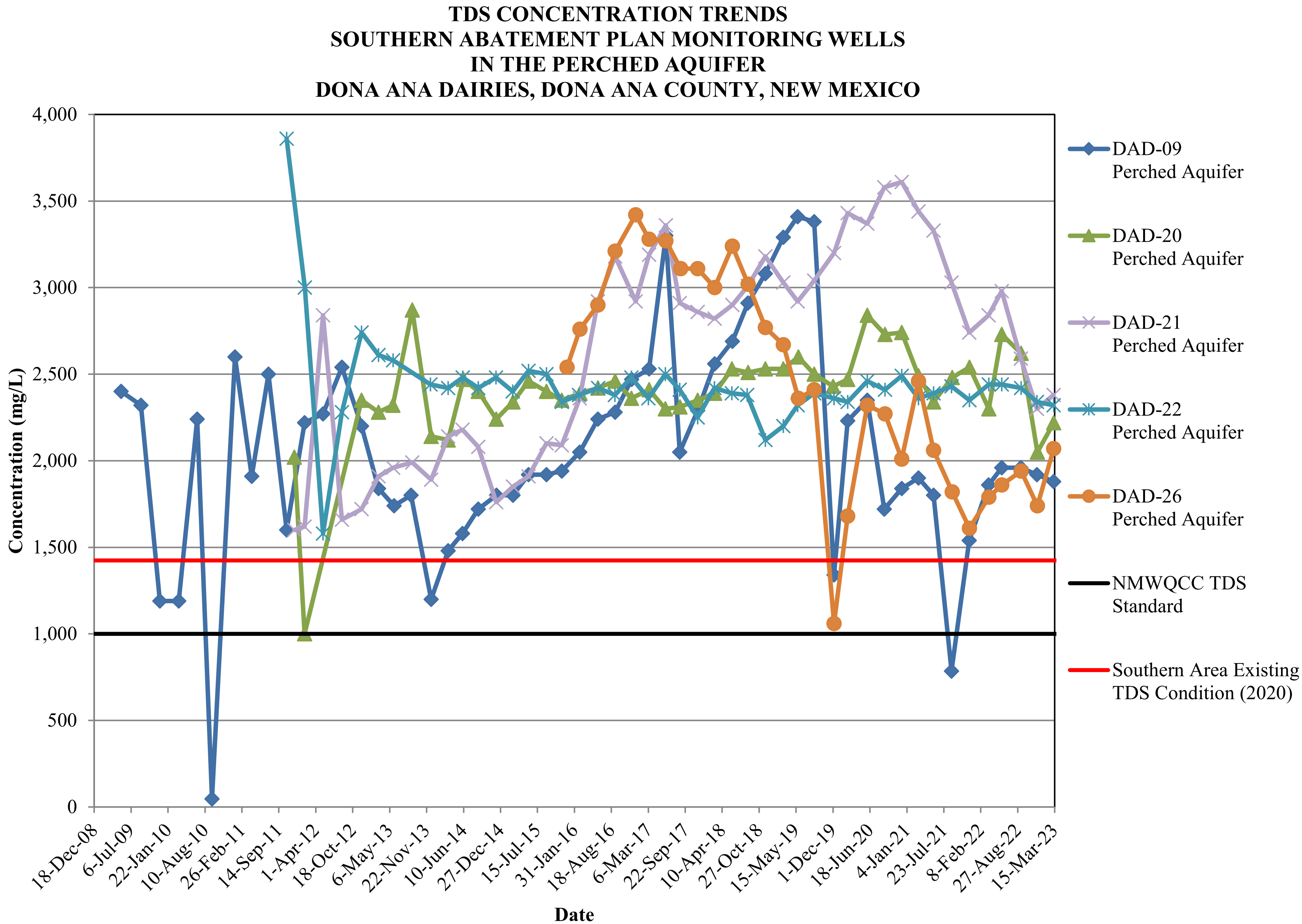

TDS CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
6-Mar-17
22-Sep-17
10-Apr-18
27-Oct-18
15-May-19
1-Dec-19
18-Jun-20
4-Jan-21
23-Jul-21
8-Feb-22
27-Aug-22
15-Mar-23
Date
DAD-01
DAD-02
DAD-13
DAD-14
DAD-23
NMWQCC TDS Standard
Northern Area Existing TDS Condition (2020)

TDS CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



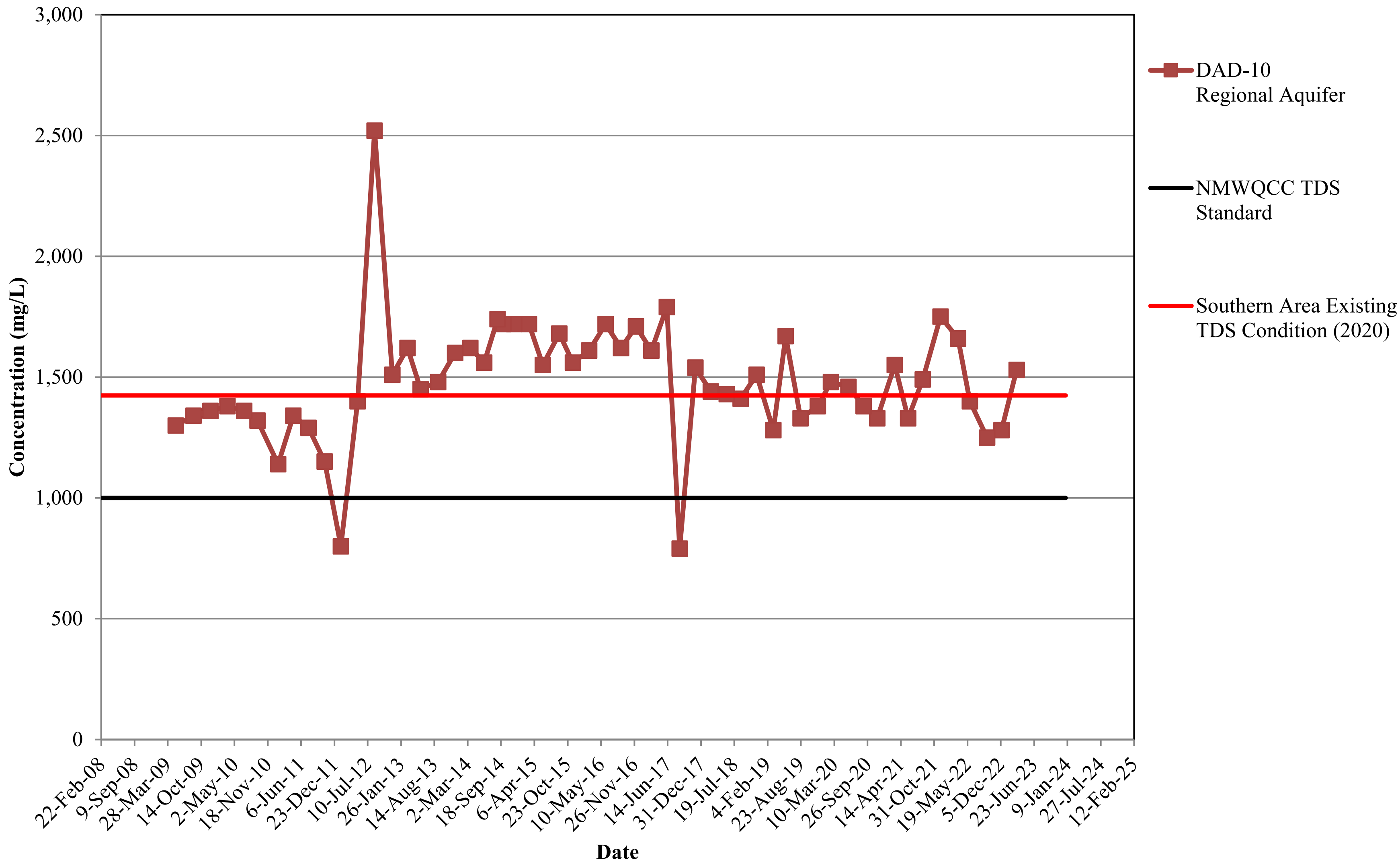

TDS CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
6-Mar-17
22-Sep-17
10-Apr-18
27-Oct-18
15-May-19
1-Dec-19
18-Jun-20
4-Jan-21
23-Jul-21
8-Feb-22
27-Aug-22
15-Mar-23
Date
DAD-03
DAD-04
DAD-05
DAD-06
DAD-07
DAD-08
DAD-15
DAD-16
DAD-17
DAD-25
NMWQCC TDS Standard
Central Area Existing TDS Condition (2020)


TDS CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
4,000
3,000
2,000
1,000
0
Concentration (mg/L)
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
6-Mar-17
22-Sep-17
10-Apr-18
27-Oct-18
15-May-19
1-Dec-19
18-Jun-20
4-Jan-21
23-Jul-21
8-Feb-22
27-Aug-22
15-Mar-23
Date
DAD-18 Vertical Delineation
DAD-19 Vertical Delineation
DAD-24 Vertical Delineation
NMWQCC TDS Standard
Central Area Existing TDS Condition (2020)



TDS CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
6-Mar-17
22-Sep-17
10-Apr-18
27-Oct-18
15-May-19
1-Dec-19
18-Jun-20
4-Jan-21
23-Jul-21
8-Feb-22
27-Aug-22
15-Mar-23
Date
DAD-09 Perched Aquifer
DAD-20 Perched Aquifer
DAD-21 Perched Aquifer
DAD-22 Perched Aquifer
DAD-26 Perched Aquifer
NMWQCC TDS Standard
Southern Area Existing TDS Condition (2020)

TDS CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



APPENDIX F

CONCENTRATION TRENDS BY AREA AND DAIRY–DISCHARGE PLAN WELLS

APPENDIX G

STATISTICAL ANALYSIS SUMMARY
(Provided in Electronic Format via CD Located on Front Cover of Report)

APPENDIX H

DECAY RATE CALCULATIONS

APPENDIX I

MONITORING WELL INSTALLATION ACTIVITIES

October/November 2022

APPENDIX J

PHOTOGRAPHIC DOCUMENTATION

APPENDIX K

WELL PLUGGING REPORT