

Appendix B: Domestic Well Assessment

NORTH AMERICAN SUBBASIN GROUNDWATER SUSTAINABILITY PLAN

APPENDIX B Domestic Well Assessment

December 2021

APPENDIX B –DOMESTIC WELL ASSESSMENT

This appendix provides a description of the approach used to assess the potential impacts to domestic well users in the North American Subbasin (NASb or Subbasin) resulting from minimum threshold sustainable management criteria (SMC) developed for the NASb groundwater sustainability plan (GSP). The assessment consisted of five steps. The first step was to verify to the degree possible the presence of domestic wells as provided by the California Department of Water resources (DWR) (see <https://data.ca.gov/dataset/well-completion-reports/resource/90ef01cc-b057-413c-8110-3e02a9db28eb>). The second step was to identify domestic wells in the vicinity of where groundwater elevations are expected to decline by five feet or more. The third step was to estimate the projected groundwater levels at these nearby domestic wells. The fourth step was to compare projected groundwater levels in these domestic wells to their construction information. These steps and the assessment results are described below.

Step 1 –Verification of Potential Domestic Wells in NASb

Domestic well information for each Public Land Survey System (PLSS) section in the Subbasin was downloaded from the SGMA database. Figure B-1 shows the well densities as originally downloaded from the database. The database information includes well location (address, coordinates, and/or Assessor's Parcel Number (APN)), and well construction information. Where good location information was available, well locations were verified to ensure that wells were assigned to the correct PLSS section. Based on the SGMA database, there were an estimated total of 2,412 potentially active domestic wells in the Subbasin. During the review, wells that had duplicate records, were mis-located or had been destroyed but not recorded (including well destructions verified by records from the former McClellan Air Force Base), were removed from the total number of wells (155 wells removed) leaving a revised estimate of 2,257 domestic wells within the Subbasin. In some cases, the verified number of wells in a PLSS section increased based on the review. A summary of this information by PLSS section is included in Table B-1.

Step 2 – Identify Domestic Wells in the NASb where Five Feet or Greater Groundwater Level Declines are Projected

Figure B-2 shows the projected changes at each Representative Monitoring Site (RMS) in the NASb for groundwater elevations. The RMS locations are where SMC are established in the NASb. For RMS locations that had a projected five feet or greater decrease in depth to groundwater, domestic wells nearby were identified. The RMS used in the evaluation, their estimated change in groundwater level, the nearby PLSS sections assessed, and the number of domestic wells assessed are shown in Table B-2. There were 1,331 domestic wells in the vicinity of RMS where projected groundwater levels could decline by five feet or more.

Step 3 – Estimate Projected Groundwater Levels in Domestic Wells based on Minimum Thresholds at RMS Locations

Using the known groundwater elevation and ground surface elevation at each RMS, a depth to groundwater was calculated to represent a “baseline” condition (i.e., conditions before modeled future projections). For most RMS locations, the average of Fall 2014 and Fall 2015 was used. Where RMS locations did not have data for that period, more recent data (typically 2018 or 2019) were used. The baseline depth to water for nearby domestic wells was then interpolated based on the characteristics of the Fall 2019 depth to water contour map, which is shown in Figure B-3. The projected depth to groundwater for each domestic well was then calculated by subtracting the projected decline at the nearest RMS from the domestic well baseline depth to water.

Step 4 – Comparison of Projected Groundwater Levels to Domestic Well Construction

With a projected depth to water at each of the 1,331 domestic wells along with construction information, an assessment of anticipated impacts to domestic users can be made. For each domestic well, the total depth, depth to first open interval, and year of construction were reviewed. Total depth was used because it represents the most extreme impact on a well if projected water levels are deeper (i.e., the well would go completely dry). The depth of first open interval was used because it represents a more conservative level of impact in that it would indicate that the open interval of the completed well is fully saturated with groundwater; maintaining groundwater above this interval preserves access to groundwater for the domestic users. Note that no domestic wells were eliminated from the NASb well database based on age. However, wells greater than 50 years old (1970 was used for this evaluation) are considerably less likely to be in service today. Destruction records are sporadic, so confirmation of destruction is difficult.

To compare the projected levels associated with NASb SMC to domestic well construction, graphs were prepared for each of the eighteen RMS locations with projected declines of five feet or more. On the graph, all nearby domestic wells with their projected depth to water, first open interval, and total depth are also plotted. Finally, the data are shown with reference to the year the well was constructed on the horizontal axis. Plotting by date helps observe where wells have been constructed deeper through time in areas that experienced groundwater declines.

The graphs are shown in Figures B-4 through B-21. The green markers represent the projected depth to groundwater at each domestic well. The orange markers represent the depth of the first open interval of each well. The solid black vertical lines represent the total depth of each well. Also shown on the graph is the RMS well with its Measurable Objective shown as a blue horizontal line and its Minimum Threshold shown as a red horizontal line. These are only included for reference and should not be applied to a domestic well on the graph. The most important consideration in evaluating the graphs is the relationship of the green marker to the orange marker. Where the green marker is above the orange marker, the

well is considered protected. Where the green marker is below the orange marker, the well may not be protected with respect to having continued access to groundwater.

Assessment Results

To assess the potential impacts to domestic wells from the NASb SMC, the baseline and projected depth to groundwater at each location were compared to the total depth (the point at which a well is dry) and the depth to first open interval (the point at which the well would experience operational difficulties). The baseline comparison is important because it helps isolate wells that may have already been impacted at the time of SGMA passage from those that could be impacted from future usage and management of the basin (the responsibility of GSAs under SGMA). The net difference then between the baseline condition and the projected condition is an indicator of the potential effects of the NASb SMC.

Table B-3 shows the results of the assessment with respect to whether domestic wells would go dry. In terms of maintaining groundwater levels above their total depth, domestic users are protected. Based on the analysis, no domestic wells of up to 50 years old would go dry (e.g., drop below their total depth). Of wells that are greater than 50 years old, only 2 percent (28 of the 1,331 wells assessed) could potentially drop below their total depth; many of these may no longer in use.

Table B-4 shows the assessment results with respect to whether domestic wells could see groundwater levels drop below their first open interval. In terms of maintaining groundwater levels above their first open interval, domestic users are also protected. Of wells that are up to 50 years old, less than 1 percent (9 wells of 1,331 wells) could potentially drop below the first open interval. Of wells greater than 50 years old, 5 percent (66 wells of 1,331 wells) could potentially drop below their first open interval. Again, many of the wells are over 50 years old and may longer be in use.

This assessment concludes that the NASb SMC will not lead to significant and unreasonable undesirable results with respect to domestic users. It is also important to remember that almost none of the projected changes to groundwater elevations in the NASb would occur within the next five years. Confirmation of the status of these domestic wells is a management action in the NASb GSP (see **Section 9.2.6** of the GSP). The results of implementing the management action to better understand the status of these wells will be considered when conducting the required five-year assessment of the GSP.

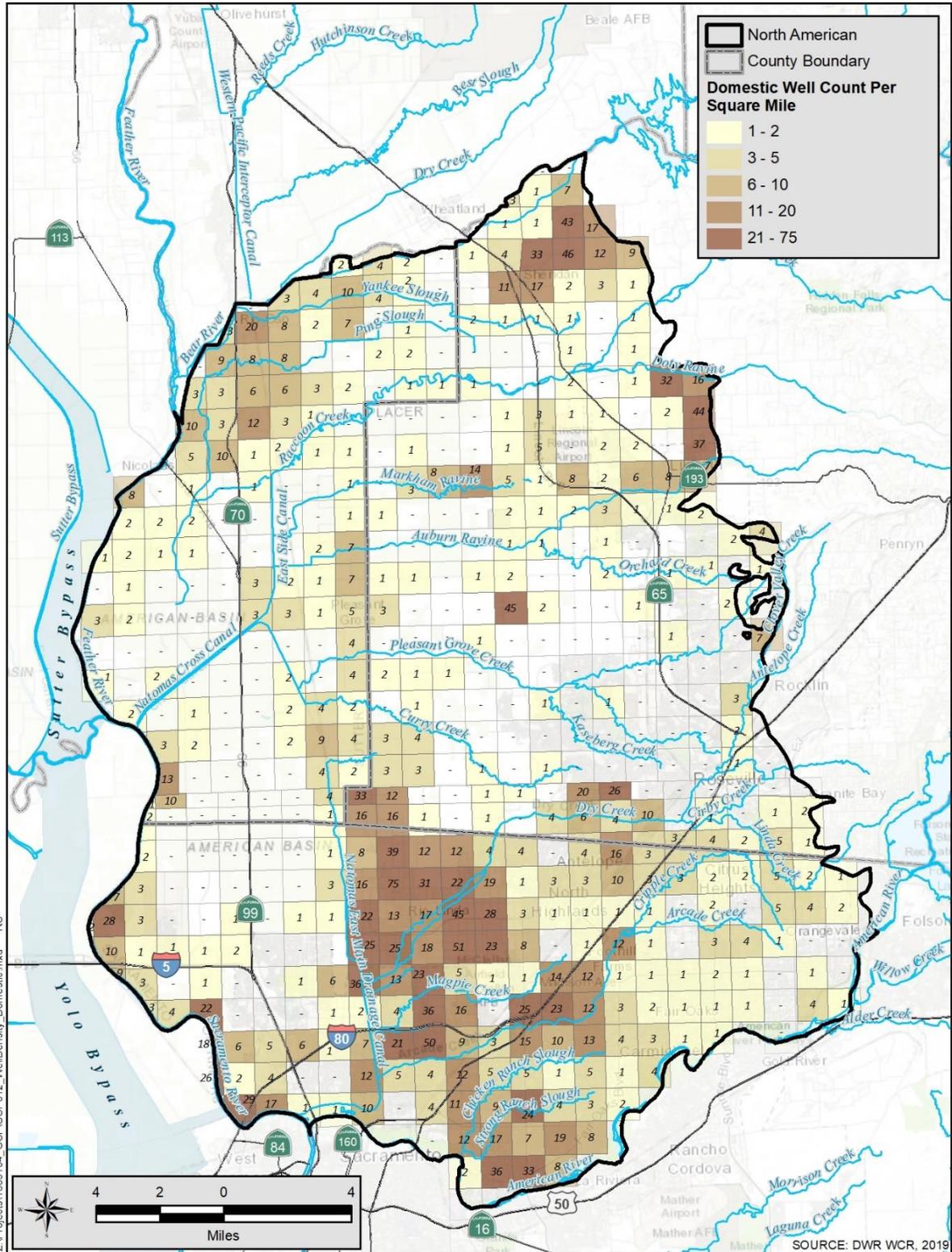


Figure B-1. Domestic Well Density from DWR SGMA database

Table B-1. Well Verification Data Summary

Township	Range	Section	Total Wells from DWR SGMA Database (Domestic)	Actual Total Domestic Wells after verification (removing mis-location, destruction or duplicates)
8	5	1	33	35
8	5	2	36	26
8	5	3	2	2
8	5	10	0	0
8	5	11	0	0
8	5	12	0	0
8	6	5	5	5
8	6	6	8	7
9	3	1	3	2
9	3	2	9	5
9	3	12	3	1
9	4	1	6	5
9	4	2	1	1
9	4	3	0	0
9	4	4	0	0
9	4	5	1	1
9	4	6	0	0
9	4	7	4	3
9	4	8	22	17
9	4	9	0	0
9	4	10	0	0
9	4	11	0	0
9	4	12	1	1
9	4	13	1	1
9	4	14	6	5
9	4	15	5	6
9	4	16	6	5
9	4	17	18	12
9	4	20	26	20
9	4	21	2	1
9	4	22	4	6
9	4	23	0	0
9	4	24	0	0
9	4	25	1	1
9	4	26	1	1
9	4	27	17	9
9	4	28	29	21
9	4	35	1	1
9	4	36	11	10
9	5	1	1	0
9	5	2	1	0
9	5	3	5	5
9	5	4	23	29
9	5	5	13	15
9	5	6	36	36
9	5	7	1	0
9	5	8	4	4
9	5	9	36	30
9	5	10	16	15
9	5	11	0	0

Township	Range	Section	Total Wells from DWR SGMA Database (Domestic)	Actual Total Domestic Wells after verification (removing mis-location, destruction or duplicates)
9	5	12	25	26
9	5	13	15	14
9	5	14	3	3
9	5	15	9	11
9	5	16	50	36
9	5	17	21	20
9	5	18	7	7
9	5	19	12	10
9	5	20	5	6
9	5	21	4	2
9	5	22	12	11
9	5	23	5	7
9	5	24	5	8
9	5	25	24	21
9	5	26	9	8
9	5	27	11	10
9	5	28	4	6
9	5	29	0	0
9	5	30	10	12
9	5	31	0	0
9	5	32	1	0
9	5	33	0	0
9	5	34	12	12
9	5	35	17	15
9	5	36	7	8
9	6	1	2	2
9	6	2	1	1
9	6	3	1	1
9	6	4	1	1
9	6	5	12	13
9	6	6	14	14
9	6	7	23	27
9	6	8	12	9
9	6	9	3	3
9	6	10	2	2
9	6	11	1	1
9	6	12	1	1
9	6	13	1	1
9	6	14	1	0
9	6	15	3	2
9	6	16	4	4
9	6	17	13	14
9	6	18	10	11
9	6	19	1	1
9	6	20	5	6
9	6	21	1	0
9	6	22	4	5
9	6	23	0	0
9	6	28	2	2
9	6	29	3	2
9	6	30	4	6
9	6	31	19	21

Township	Range	Section	Total Wells from DWR SGMA Database (Domestic)	Actual Total Domestic Wells after verification (removing mis-location, destruction or duplicates)
9	6	32	8	8
9	6	33	0	0
10	3	1	1	0
10	3	12	2	2
10	3	13	2	2
10	3	23	7	5
10	3	24	3	2
10	3	25	3	3
10	3	26	28	25
10	3	35	11	18
10	4	1	4	3
10	4	2	0	0
10	4	3	0	0
10	4	4	0	0
10	4	5	0	0
10	4	6	10	10
10	4	7	0	0
10	4	8	0	0
10	4	9	0	0
10	4	10	0	0
10	4	11	0	0
10	4	12	1	0
10	4	13	1	1
10	4	14	0	0
10	4	15	0	0
10	4	16	0	0
10	4	17	0	0
10	4	18	0	0
10	4	19	0	0
10	4	20	0	0
10	4	21	0	0
10	4	22	0	0
10	4	23	0	0
10	4	24	3	2
10	4	25	1	1
10	4	26	1	1
10	4	27	0	0
10	4	28	1	1
10	4	29	0	0
10	4	30	0	0
10	4	31	1	0
10	4	32	1	1
10	4	33	2	1
10	4	34	0	0
10	4	35	0	0
10	4	36	0	0
10	5	1	1	1
10	5	2	1	1
10	5	3	0	0
10	5	4	0	0
10	5	5	12	10
10	5	6	34	34

Township	Range	Section	Total Wells from DWR SGMA Database (Domestic)	Actual Total Domestic Wells after verification (removing mis-location, destruction or duplicates)
10	5	7	16	14
10	5	8	16	15
10	5	9	1	1
10	5	10	0	0
10	5	11	1	0
10	5	12	1	1
10	5	13	4	4
10	5	14	4	4
10	5	15	13	15
10	5	16	12	11
10	5	17	39	40
10	5	18	8	7
10	5	19	16	19
10	5	20	75	70
10	5	21	32	26
10	5	22	23	20
10	5	23	19	17
10	5	24	1	1
10	5	25	3	3
10	5	26	29	26
10	5	27	46	47
10	5	28	17	26
10	5	29	14	16
10	5	30	22	21
10	5	31	26	25
10	5	32	25	20
10	5	33	18	19
10	5	34	51	39
10	5	35	23	17
10	5	36	8	9
10	6	1	0	0
10	6	2	0	0
10	6	3	0	0
10	6	4	26	29
10	6	5	20	22
10	6	6	0	0
10	6	7	4	4
10	6	8	7	5
10	6	9	4	3
10	6	10	10	10
10	6	11	0	0
10	6	12	1	1
10	6	13	4	3
10	6	14	3	3
10	6	15	3	3
10	6	16	16	15
10	6	17	4	3
10	6	18	0	0
10	6	19	3	1
10	6	20	3	3
10	6	21	10	11
10	6	22	3	1

Township	Range	Section	Total Wells from DWR SGMA Database (Domestic)	Actual Total Domestic Wells after verification (removing mis-location, destruction or duplicates)
10	6	23	3	3
10	6	24	2	1
10	6	25	2	2
10	6	26	0	0
10	6	27	1	1
10	6	28	1	1
10	6	29	1	1
10	6	30	1	1
10	6	31	0	0
10	6	32	1	1
10	6	33	12	12
10	6	34	1	0
10	6	35	0	0
10	6	36	3	3
10	7	4	0	0
10	7	5	0	0
10	7	6	0	0
10	7	7	0	0
10	7	8	1	1
10	7	16	1	2
10	7	17	7	7
10	7	18	2	2
10	7	19	2	2
10	7	20	5	6
10	7	21	2	2
10	7	22	1	1
10	7	23	0	0
10	7	27	2	2
10	7	28	4	4
10	7	29	5	5
10	7	30	0	0
10	7	31	4	3
10	7	32	1	1
10	7	33	0	0
10	7	34	0	0
11	3	1	0	0
11	3	2	2	2
11	3	3	2	2
11	3	10	0	0
11	3	11	0	0
11	3	12	1	1
11	3	13	2	2
11	3	14	0	0
11	3	15	1	1
11	3	22	0	0
11	3	23	2	2
11	3	24	0	0
11	3	25	3	3
11	3	36	12	12
11	4	1	5	3
11	4	2	1	1
11	4	3	3	4

Township	Range	Section	Total Wells from DWR SGMA Database (Domestic)	Actual Total Domestic Wells after verification (removing mis-location, destruction or duplicates)
11	4	4	3	3
11	4	5	0	0
11	4	6	0	0
11	4	7	0	0
11	4	8	0	0
11	4	9	0	0
11	4	10	0	0
11	4	11	0	0
11	4	12	4	5
11	4	13	4	3
11	4	14	0	0
11	4	15	2	2
11	4	16	0	0
11	4	17	0	0
11	4	18	0	0
11	4	19	1	1
11	4	20	0	0
11	4	21	0	0
11	4	22	2	2
11	4	23	4	4
11	4	24	2	3
11	4	25	4	5
11	4	26	9	8
11	4	27	2	2
11	4	28	0	0
11	4	29	0	0
11	4	30	2	2
11	4	31	0	0
11	4	32	0	0
11	4	33	0	0
11	4	34	0	0
11	4	35	4	3
11	4	36	2	1
11	5	1	2	2
11	5	2	45	42
11	5	3	0	0
11	5	4	0	0
11	5	5	0	0
11	5	6	3	3
11	5	7	0	0
11	5	8	0	0
11	5	9	0	0
11	5	10	1	1
11	5	11	0	0
11	5	12	0	0
11	5	13	0	0
11	5	14	0	0
11	5	15	0	0
11	5	16	1	1
11	5	17	1	1
11	5	18	2	1
11	5	19	0	0

Township	Range	Section	Total Wells from DWR SGMA Database (Domestic)	Actual Total Domestic Wells after verification (removing mis-location, destruction or duplicates)
11	5	20	1	1
11	5	21	0	0
11	5	22	0	0
11	5	23	0	0
11	5	24	1	1
11	5	25	0	0
11	5	26	0	0
11	5	27	0	0
11	5	28	0	0
11	5	29	4	3
11	5	30	3	3
11	5	31	3	3
11	5	32	3	4
11	5	33	0	0
11	5	34	1	1
11	5	35	0	0
11	5	36	1	1
12	3	12	0	0
12	3	13	0	0
12	3	14	8	8
12	3	23	2	2
12	3	24	2	2
12	3	25	1	1
12	3	26	2	2
12	3	27	1	1
12	3	34	0	0
12	3	35	1	2
12	3	36	0	0
12	4	1	0	0
12	4	2	1	1
12	4	3	3	3
12	4	4	13	13
12	4	5	3	3
12	4	6	10	12
12	4	7	5	10
12	4	8	10	12
12	4	9	1	1
12	4	10	2	1
12	4	11	1	1
12	4	12	1	0
12	4	13	1	1
12	4	14	0	0
12	4	15	0	0
12	4	16	1	1
12	4	17	0	0
12	4	18	1	1
12	4	19	2	2
12	4	20	0	0
12	4	21	0	0
12	4	22	0	0
12	4	23	0	0
12	4	24	1	2

Township	Range	Section	Total Wells from DWR SGMA Database (Domestic)	Actual Total Domestic Wells after verification (removing mis-location, destruction or duplicates)
12	4	25	7	8
12	4	26	2	2
12	4	27	0	0
12	4	28	0	0
12	4	29	0	0
12	4	30	1	1
12	4	31	0	0
12	4	32	0	0
12	4	33	3	3
12	4	34	2	1
12	4	35	1	1
12	4	36	7	7
12	5	1	3	2
12	5	2	1	0
12	5	3	0	0
12	5	4	0	0
12	5	5	0	0
12	5	6	0	0
12	5	7	0	0
12	5	8	1	1
12	5	9	0	0
12	5	10	0	0
12	5	11	1	1
12	5	12	5	3
12	5	13	1	1
12	5	14	5	6
12	5	15	15	13
12	5	16	8	6
12	5	17	4	4
12	5	18	0	0
12	5	19	1	1
12	5	20	0	0
12	5	21	0	0
12	5	22	0	0
12	5	23	2	2
12	5	24	1	1
12	5	25	1	1
12	5	26	1	1
12	5	27	0	0
12	5	28	0	0
12	5	29	0	0
12	5	30	0	0
12	5	31	1	1
12	5	32	1	0
12	5	33	0	0
12	5	34	1	1
12	5	35	2	1
12	5	36	0	0
12	6	5	1	0
12	6	6	1	0
12	6	7	0	0
12	6	8	2	2

Township	Range	Section	Total Wells from DWR SGMA Database (Domestic)	Actual Total Domestic Wells after verification (removing mis-location, destruction or duplicates)
12	6	9	2	2
12	6	10	0	0
12	6	15	8	2
12	6	16	6	5
12	6	17	2	2
12	6	18	8	9
12	6	19	2	2
12	6	20	3	2
12	6	22	1	1
12	6	27	0	0
12	6	28	0	0
12	6	30	0	0
12	6	31	0	0
12	6	32	2	2
12	6	33	0	0
12	6	34	1	1
13	4	13	10	9
13	4	14	4	3
13	4	15	3	3
13	4	16	0	0
13	4	20	3	1
13	4	21	20	24
13	4	22	8	11
13	4	23	2	2
13	4	24	7	6
13	4	25	0	0
13	4	26	0	0
13	4	27	8	4
13	4	28	8	10
13	4	29	9	19
13	4	30	0	0
13	4	31	3	3
13	4	32	3	3
13	4	33	6	5
13	4	34	6	4
13	4	35	3	3
13	4	36	2	2
13	5	1	1	1
13	5	2	1	1
13	5	7	4	3
13	5	8	3	2
13	5	9	0	0
13	5	10	1	1
13	5	11	4	4
13	5	12	35	33
13	5	13	17	23
13	5	14	11	6
13	5	15	0	0
13	5	16	0	0
13	5	17	2	2
13	5	18	4	3
13	5	19	0	0

Township	Range	Section	Total Wells from DWR SGMA Database (Domestic)	Actual Total Domestic Wells after verification (removing mis-location, destruction or duplicates)
13	5	20	1	1
13	5	21	0	0
13	5	22	2	2
13	5	23	1	1
13	5	24	1	0
13	5	25	0	0
13	5	26	0	0
13	5	27	0	0
13	5	28	0	0
13	5	29	2	1
13	5	30	2	1
13	5	31	0	0
13	5	32	1	1
13	5	33	1	1
13	5	34	1	1
13	5	35	0	0
13	5	36	0	0
13	6	5	18	7
13	6	6	43	34
13	6	7	46	41
13	6	8	12	9
13	6	9	9	13
13	6	16	1	1
13	6	17	3	2
13	6	18	2	2
13	6	19	1	1
13	6	20	0	0
13	6	21	1	0
13	6	28	1	1
13	6	29	0	0
13	6	30	1	0
13	6	31	2	1
13	6	32	0	0
13	6	33	1	0
13	6	34	32	26
Totals:			2,412	2,257

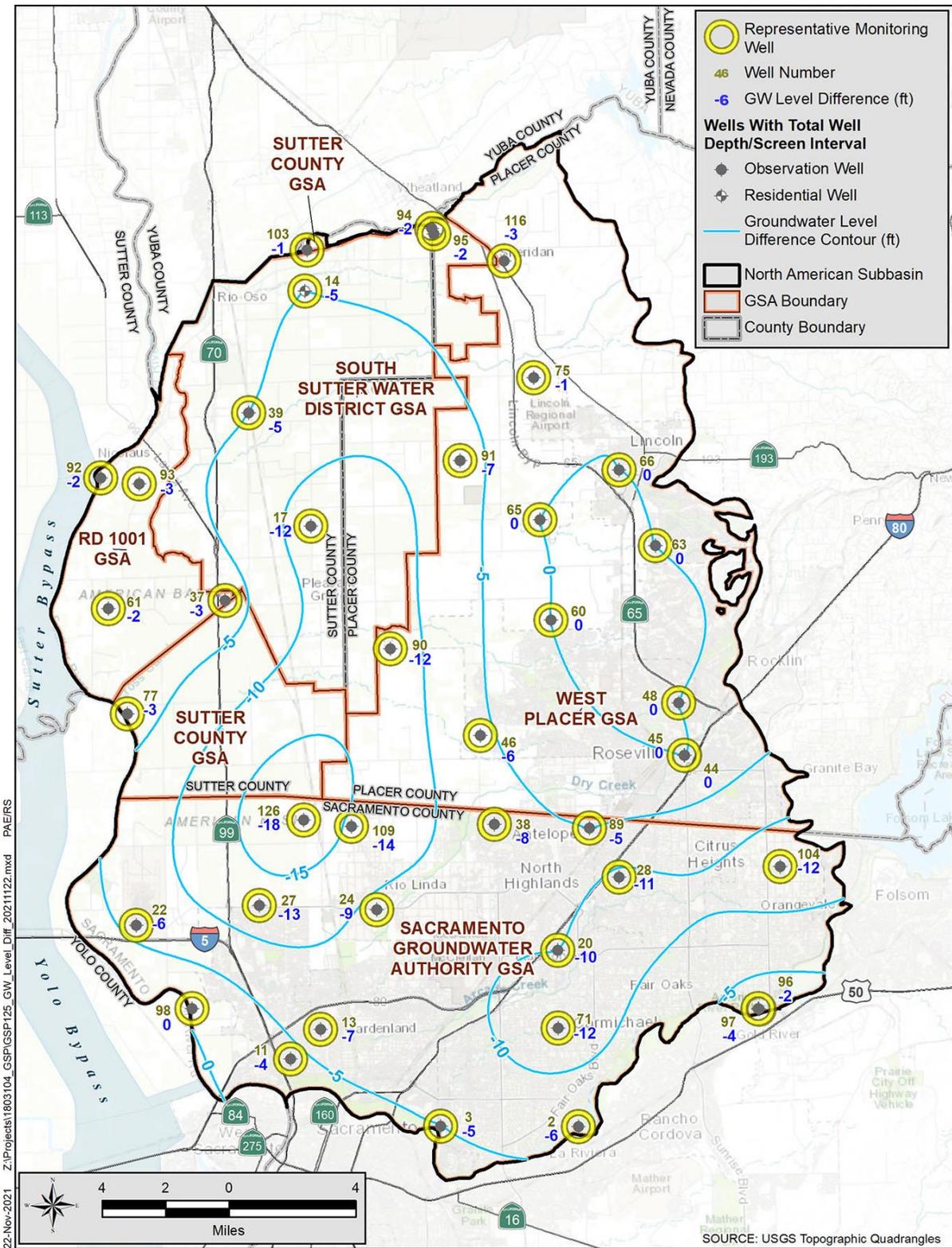


Figure B-2. Projected Groundwater Elevation Changes at RMS Location

Table B-2. NASb RMS Wells with Nearby Number of Domestic Wells

Local RMS Well No.	PLSS Section of RMS (Township/Range-Section)	Projected RMS Change (ft)	PLSS Sections in Vicinity of RMS	Number of Domestic Wells Evaluated
2	8/6-5	-6	8/5-1; 8/6-5, 6; 9/5-25, 31, 32, 36	105
3	9/5-34	-5	8/5-2; 9/5-25, 26, 27, 28, 34, 35, 36	111
13	9/4-13	-7	9/4-1, 13, 14, 15, 22; 9/5-7, 8, 18, 19	50
14	13/4-23	-5	13/4-13, 21, 22, 23, 24; 13/5-18	63
17	12/4-26	-12	11/4-1, 3, 4, 12; 11/5-6; 12/4-13, 16, 25, 26, 33, 34, 36	38
20	9/6-5	-5	9/6-5, 6, 7, 8, 17, 18; 10/6-33	99
22	10/4-31	-6	9/3-2; 9/4-8; 10/3-23, 26, 35; 10/4-31	69
24	10/5-32	-9	9/5-6; 10/5-28, 29, 31, 32	130
27	10/4-27	-13	9/4-1; 10/4-27; 10/5-30	29
28	10/6-27	-11	10/6-10, 16, 17, 20, 21, 27, 33, 36	58
38	10/5-13	-8	10/5-13, 14, 15, 22, 23, 26; 10/6-8	89
39	12/04-3	-5	12/4-3, 4, 6, 7, 8; 13/4-27, 28, 29, 33, 34	89
71	9/6-17	-8	9/5-13; 9/6-5, 7, 8, 16, 17, 18, 20	77
90	11/5-17	-12	11/4-12, 13, 23, 25, 11/5-6, 17, 29, 30	24
91	12/5-15	-7	12/5-14, 15, 16, 17, 23; 12/6-18	41
104	10/7-29	-12	10/7-17, 18, 20, 21, 28, 29, 31	29
109	10/5-18	-14	10/5-8, 16, 17, 18, 20	140
126	10/4-13	-18	10/4-1, 13; 10/5-6, 7, 19, 30	90
			Totals	1,331

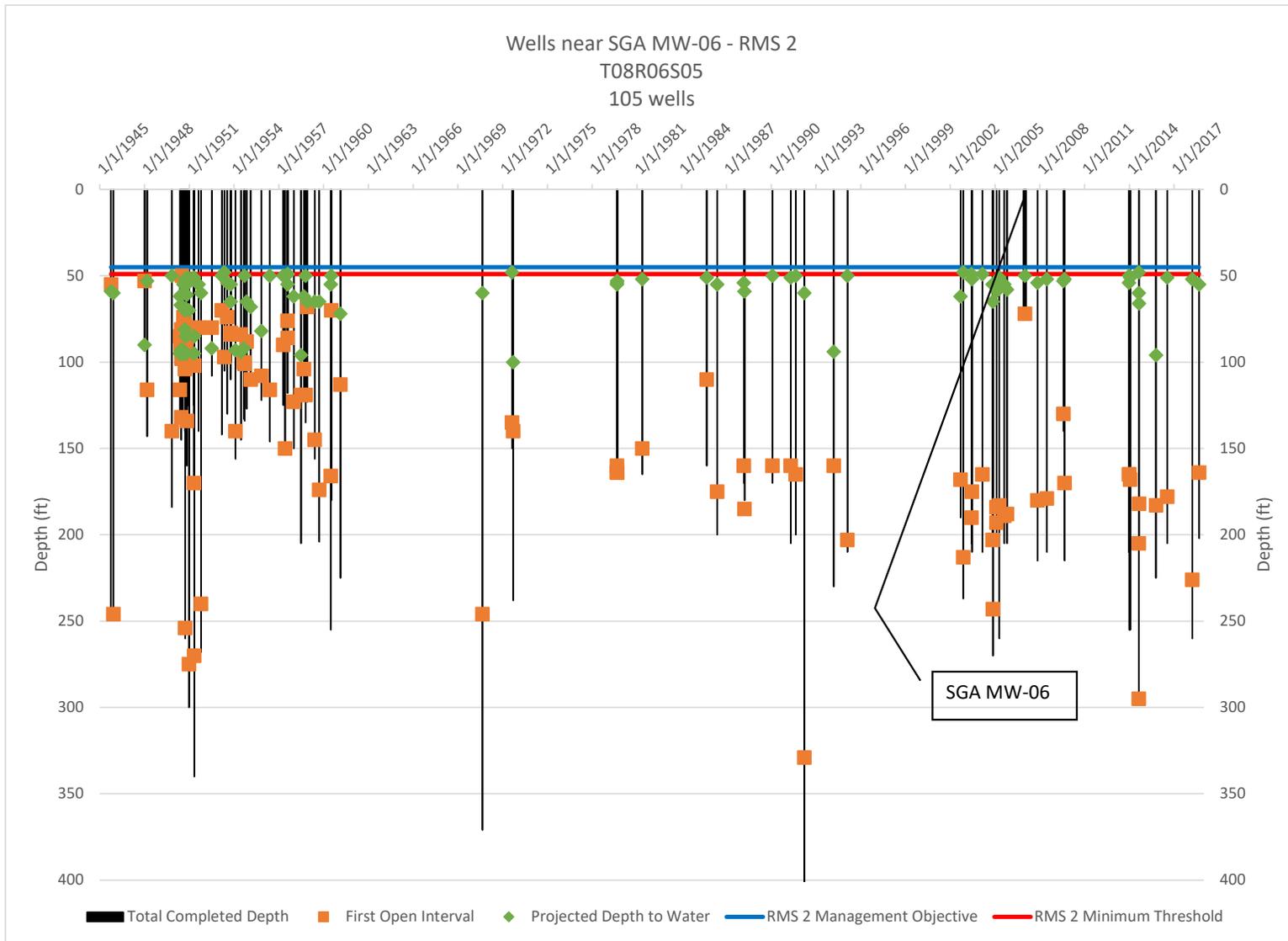


Figure B-4. Domestic Well Characteristics near RMS 2

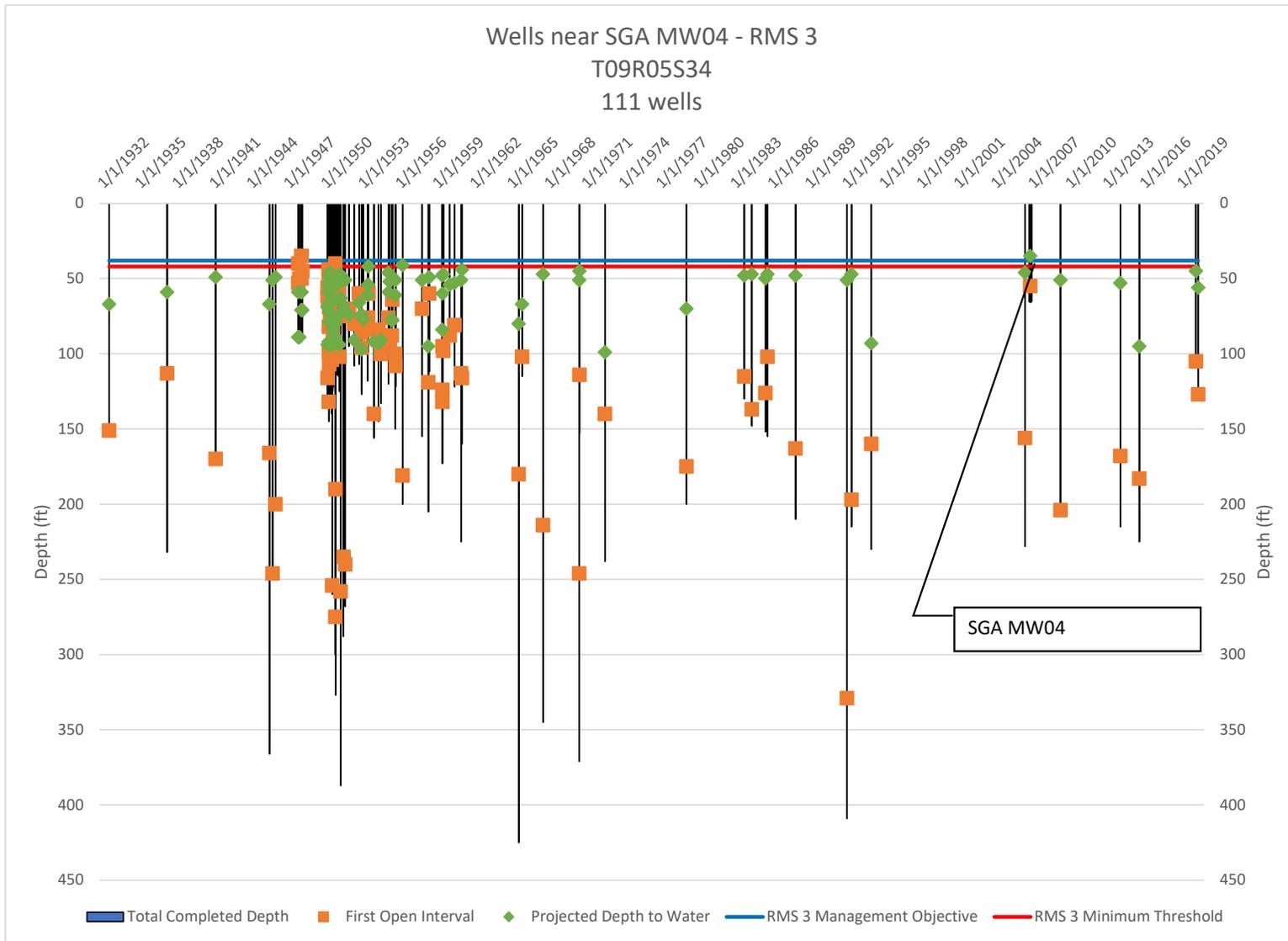


Figure B-5. Domestic Well Characteristics near RMS 3

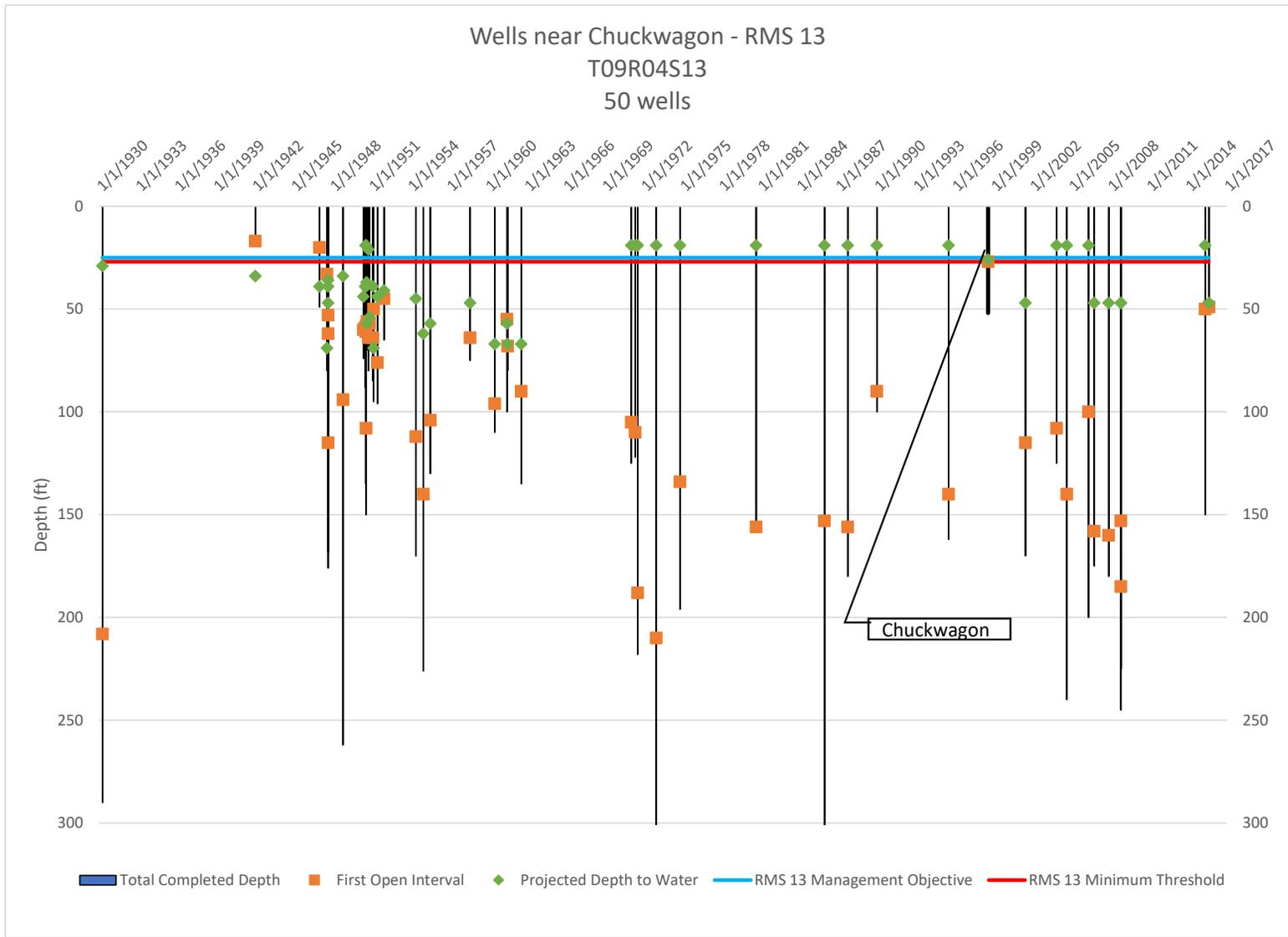


Figure B-6. Domestic Well Characteristics near RMS 13

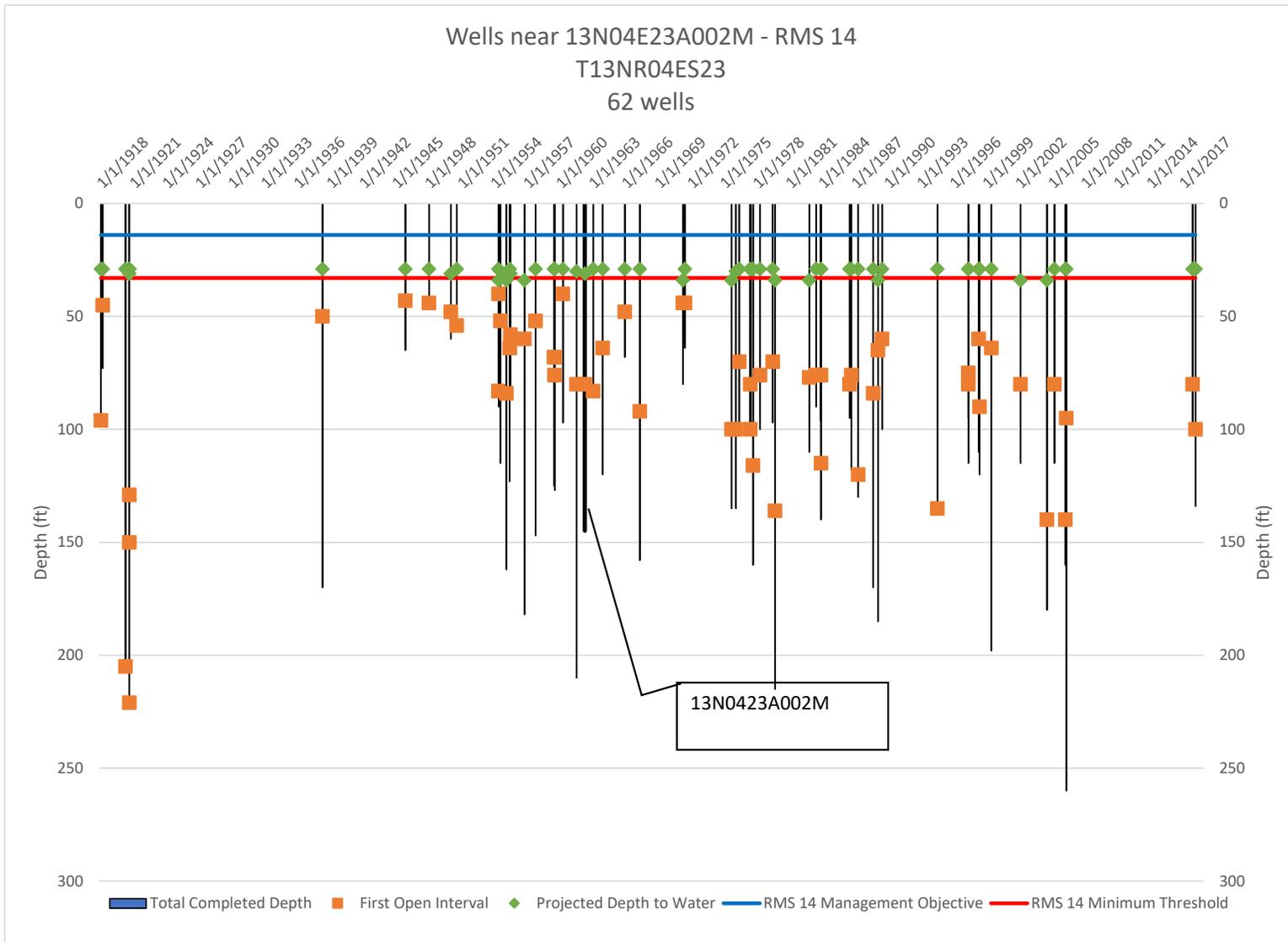


Figure B-7. Domestic Well Characteristics near RMS 14

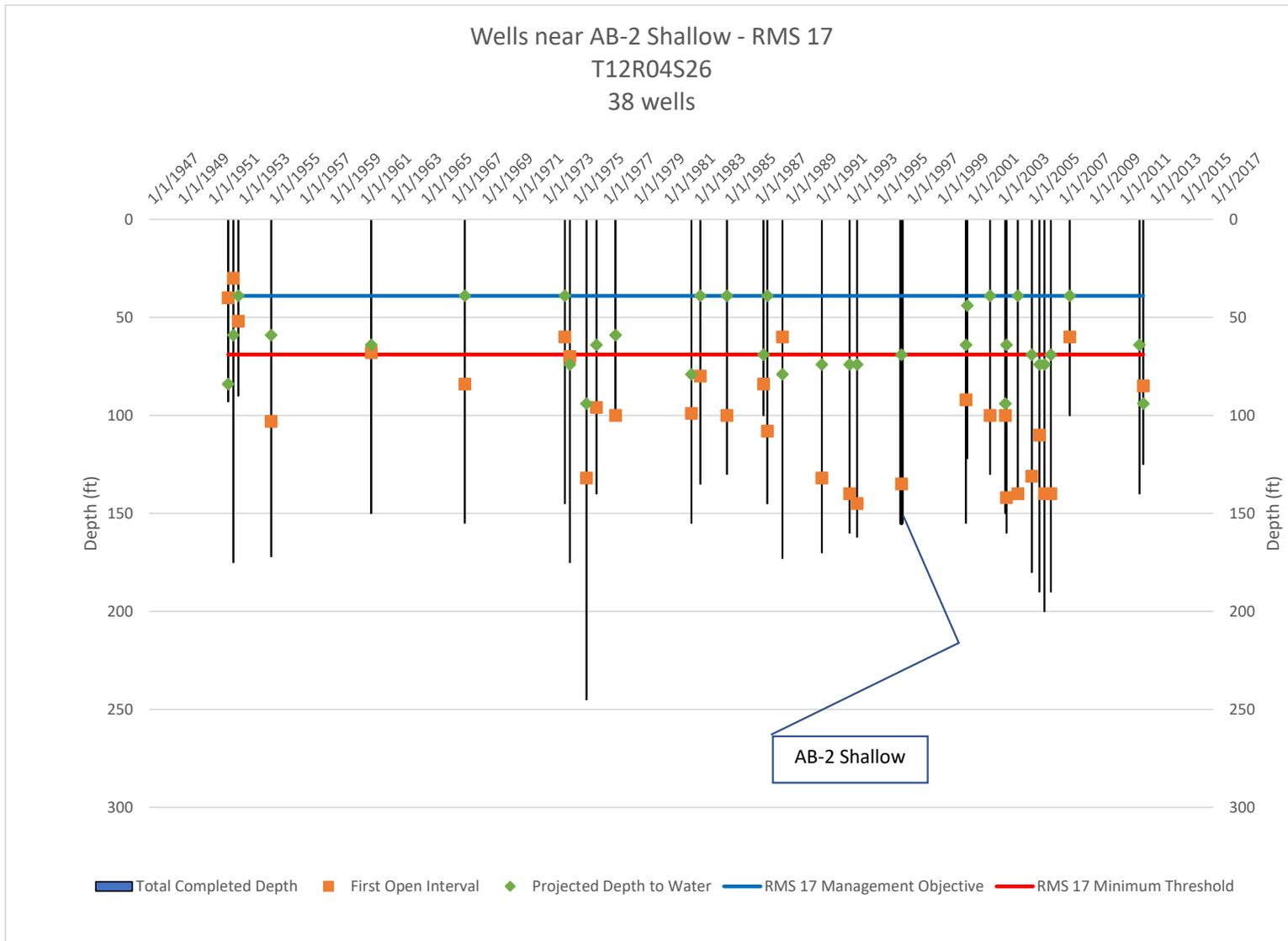


Figure B-8. Domestic Well Characteristics near RMS 17

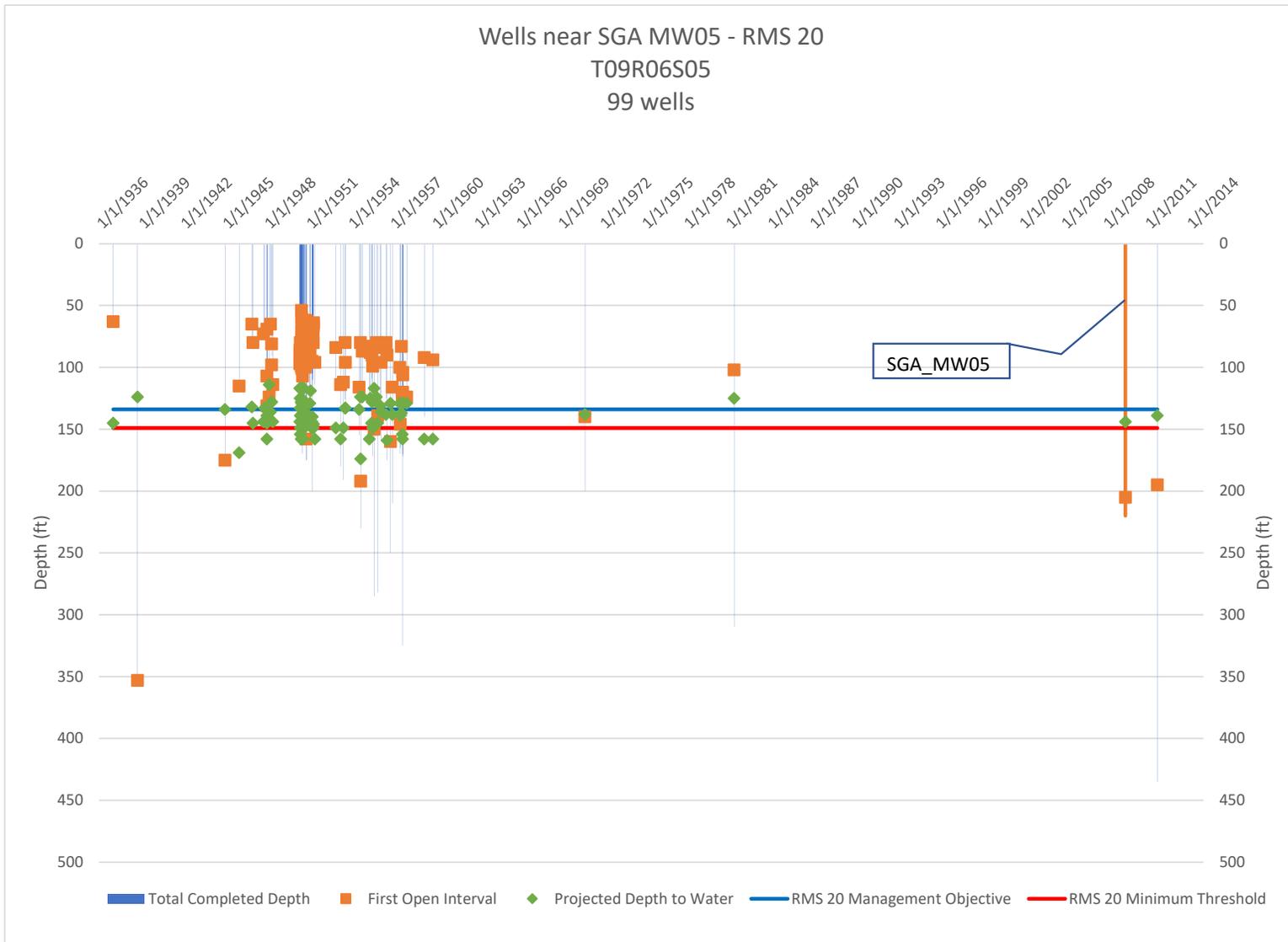


Figure B-9. Domestic Well Characteristics near RMS 20

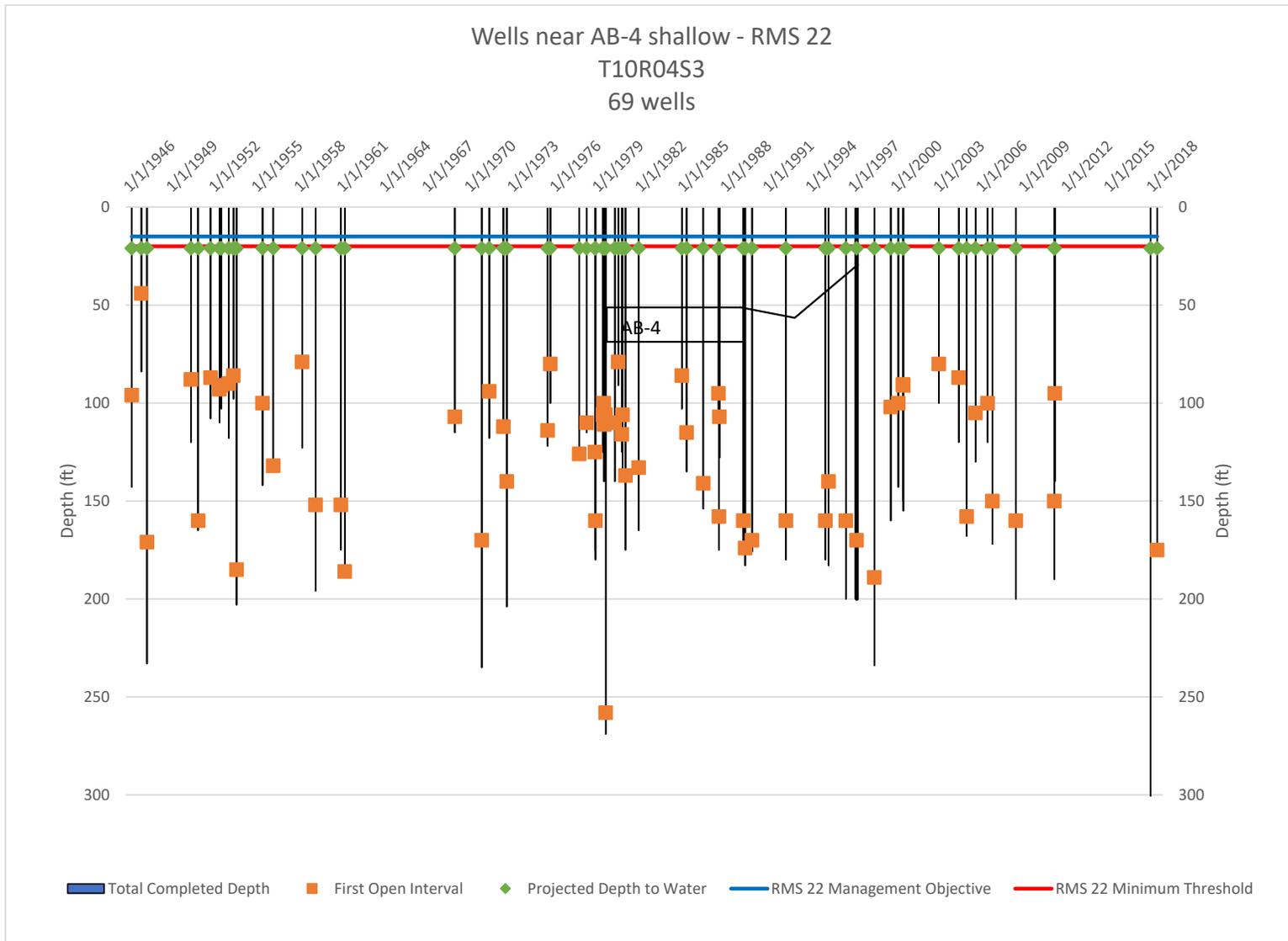


Figure B-10. Domestic Well Characteristics near RMS 22

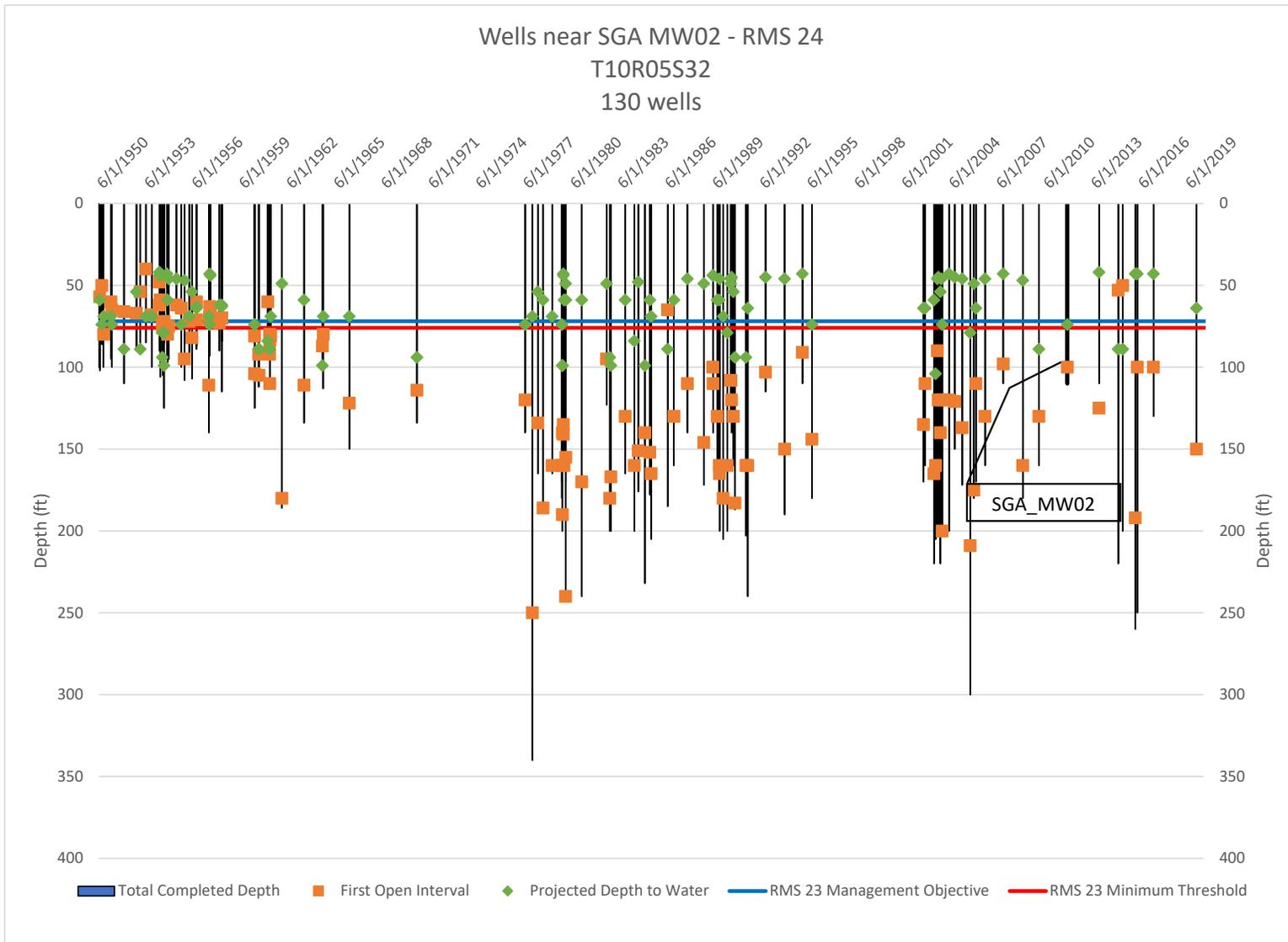


Figure B-11. Domestic Well Characteristics near RMS 24

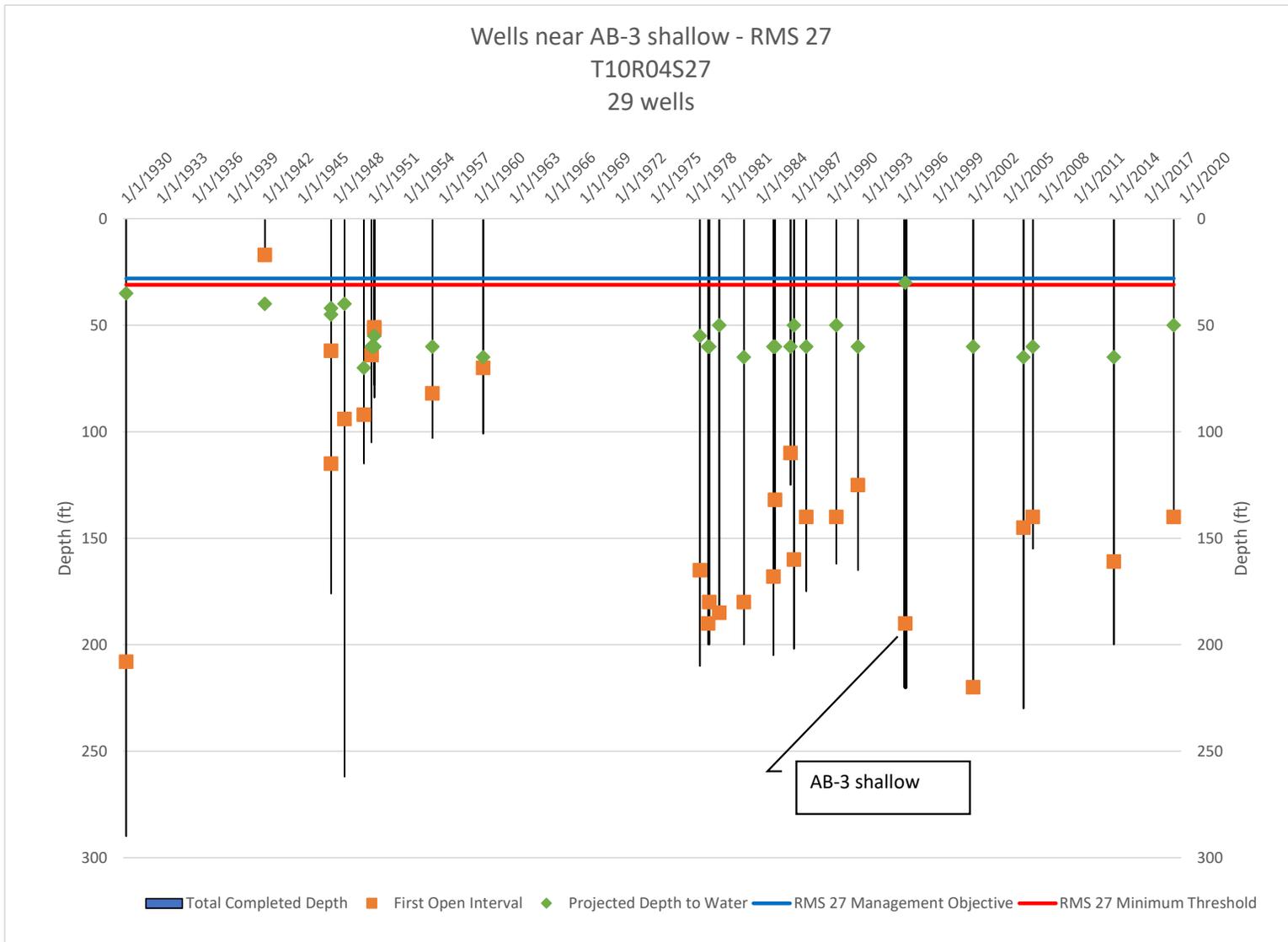


Figure B-12. Domestic Well Characteristics near RMS 27

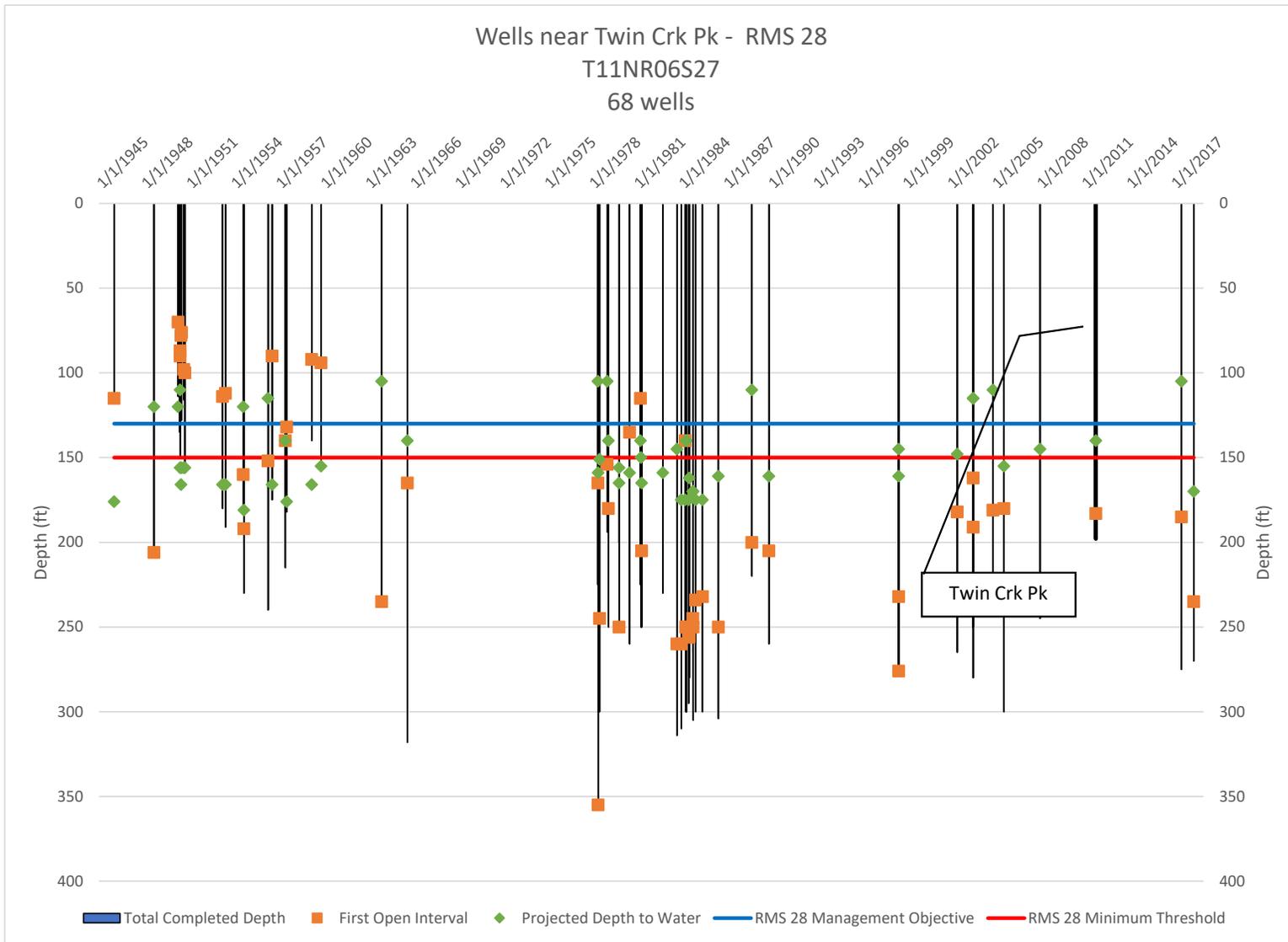


Figure B-13. Domestic Well Characteristics near RMS 28

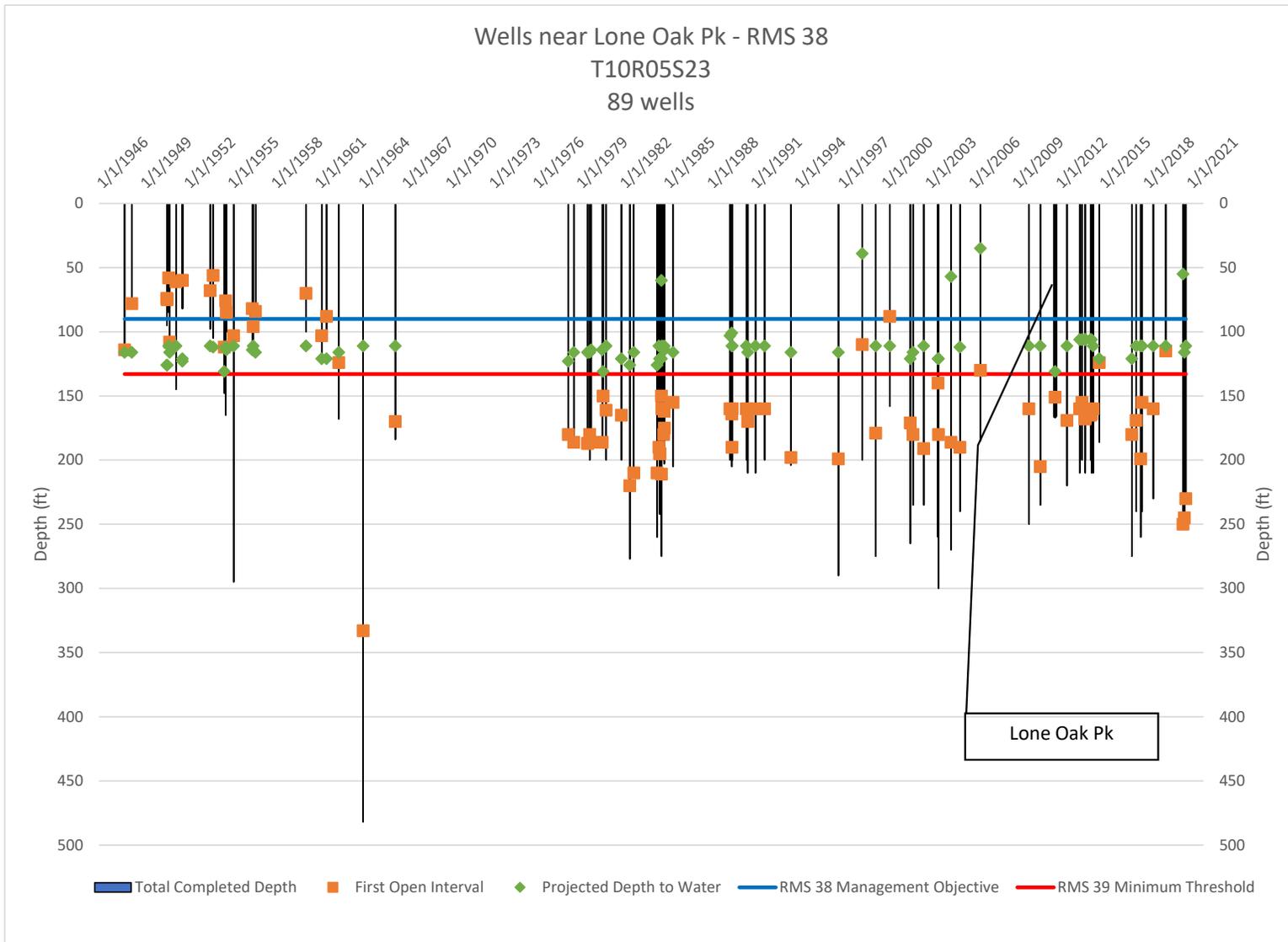


Figure B-14. Domestic Well Characteristics near RMS 38

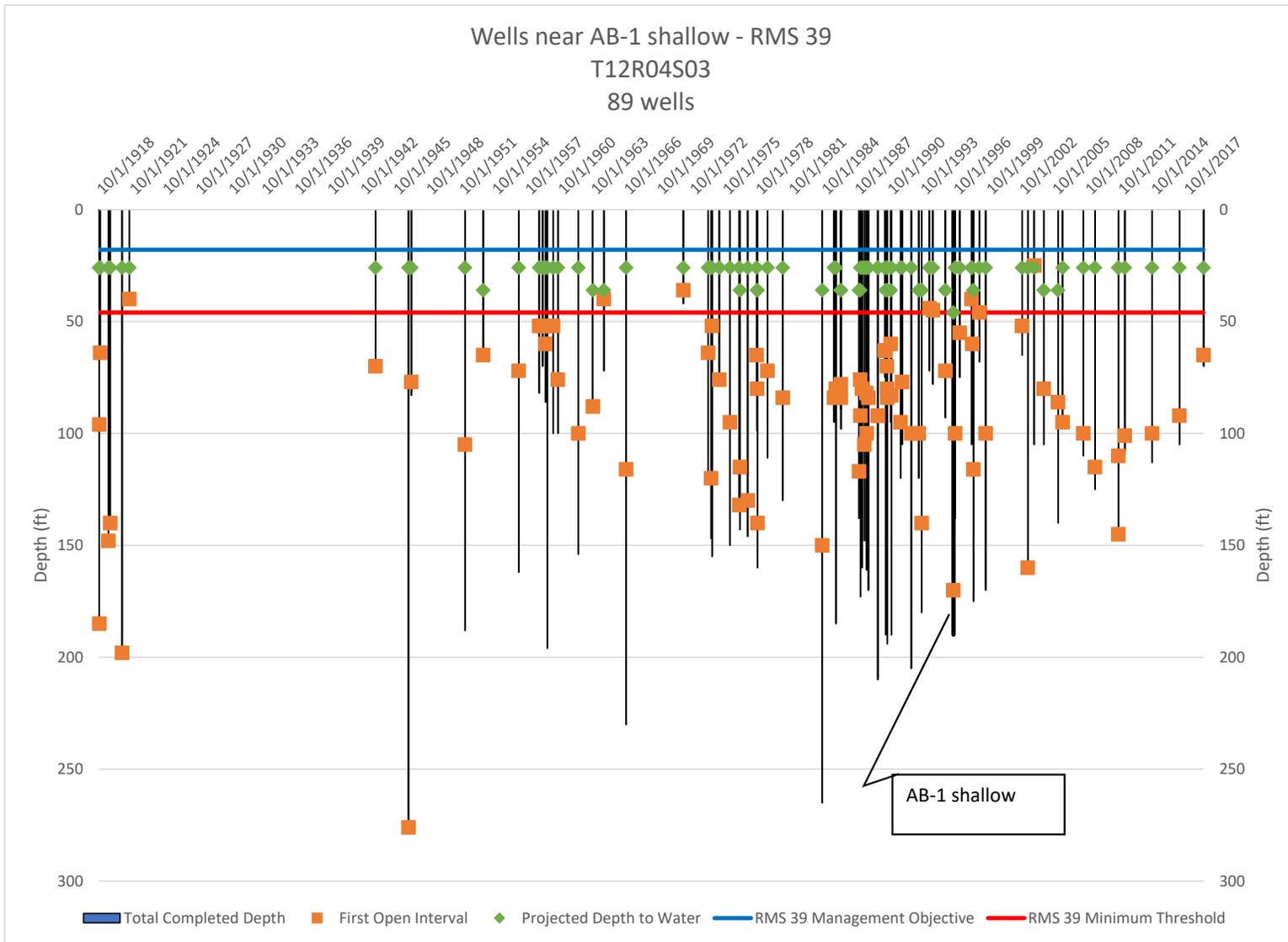


Figure B-15. Domestic Well Characteristics near RMS 39

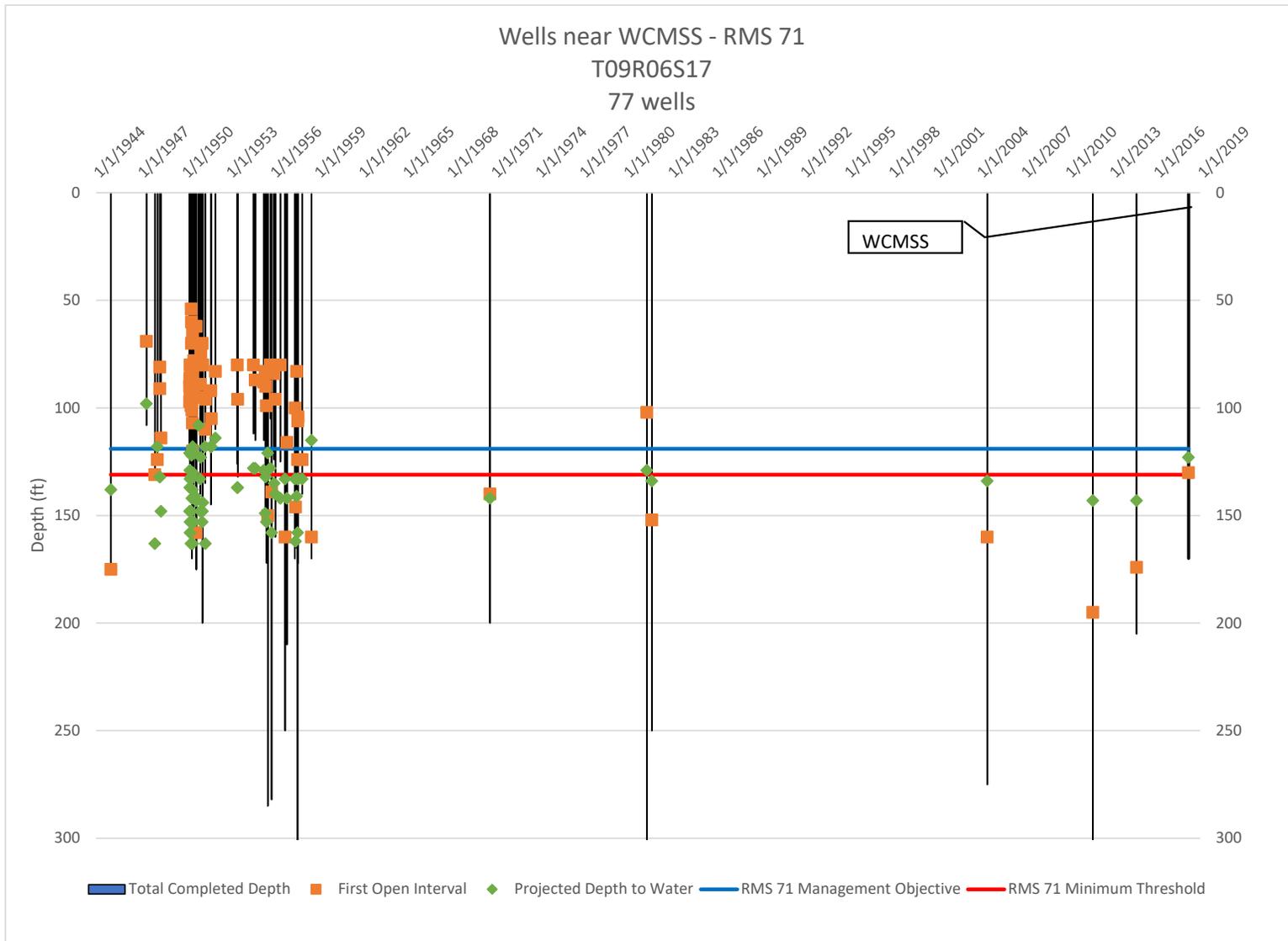


Figure B-16. Domestic Well Characteristics near RMS 71

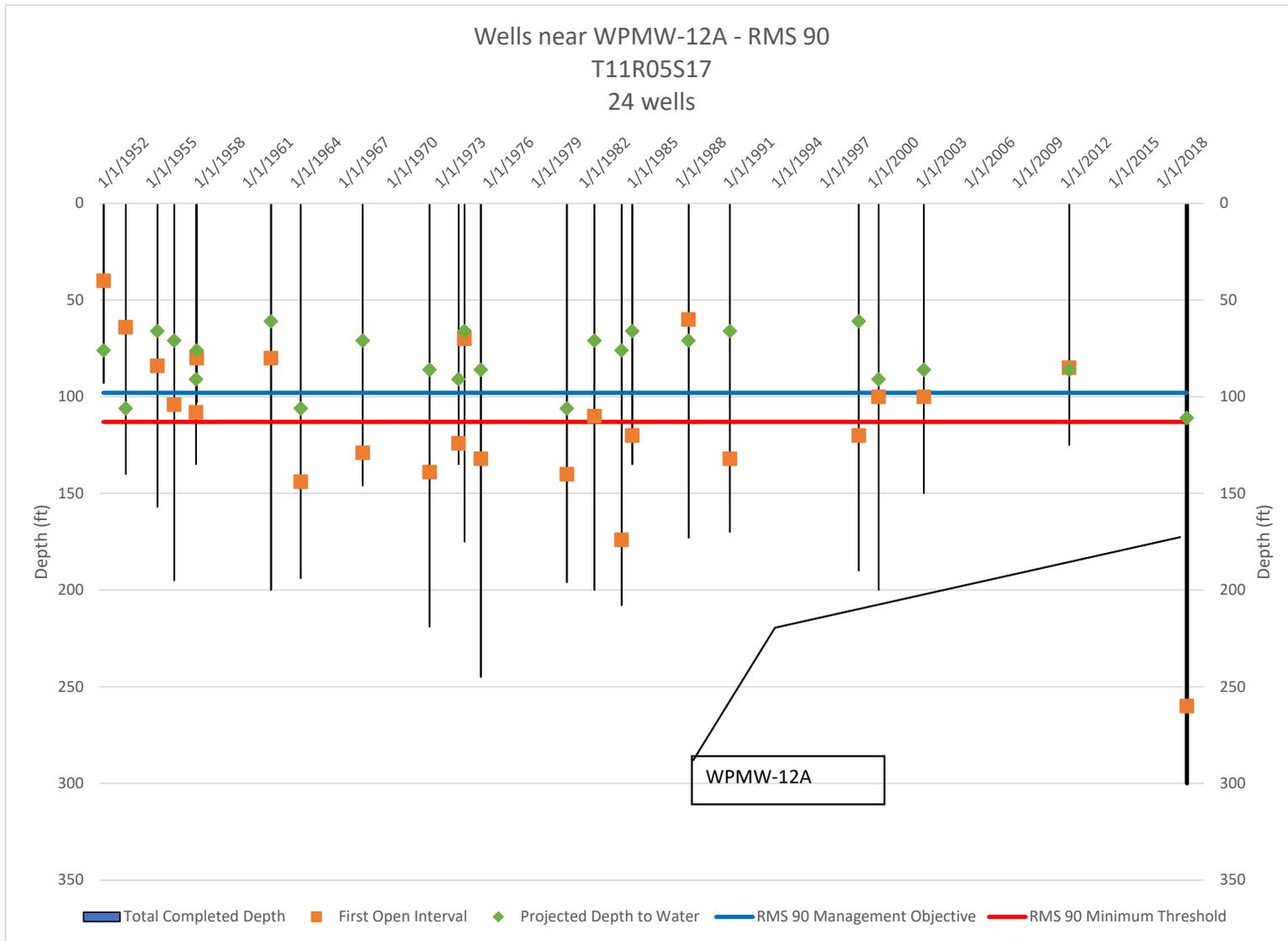


Figure B-17. Domestic Well Characteristics near RMS 90

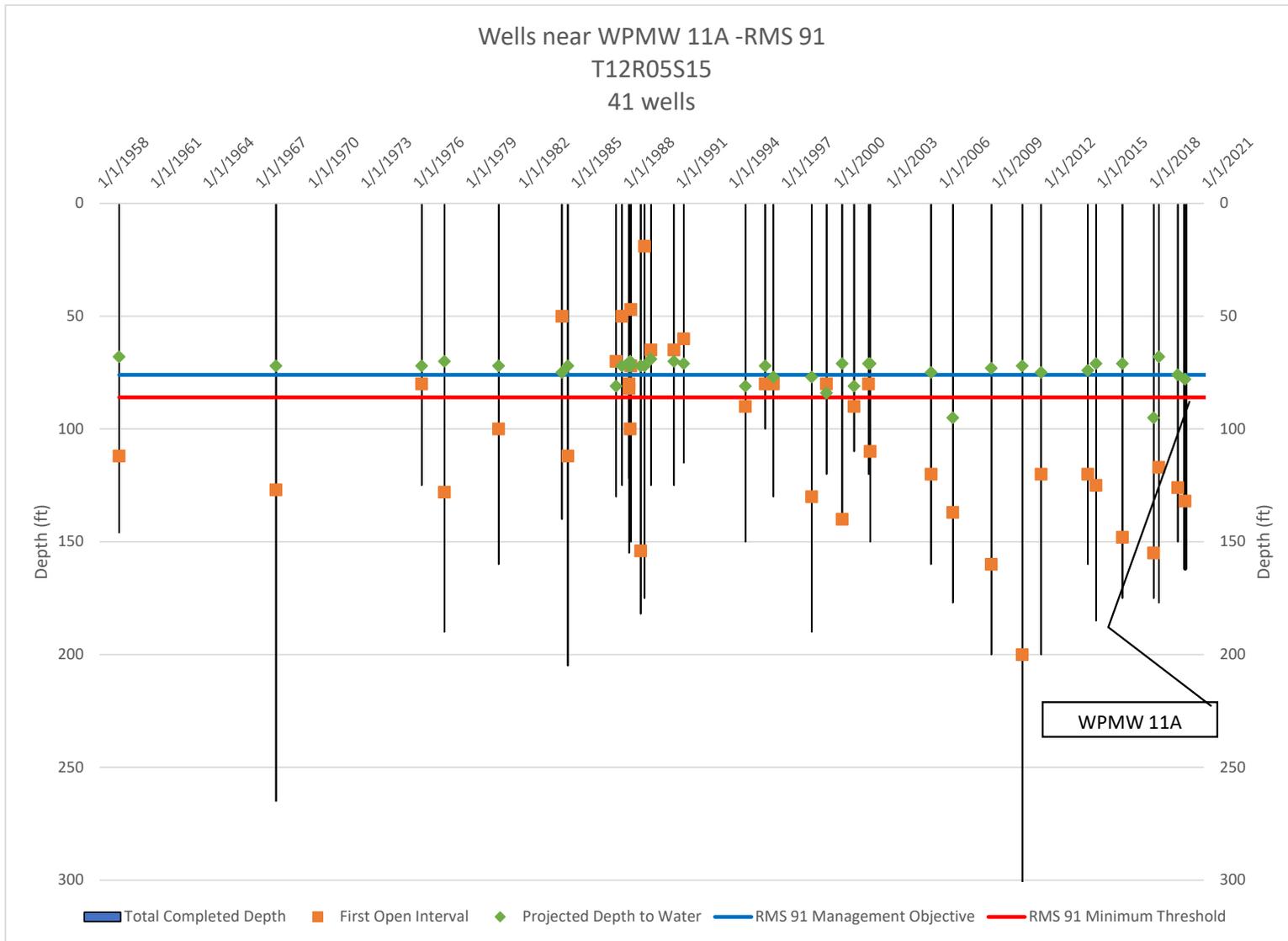


Figure B-18. Domestic Well Characteristics near RMS 91

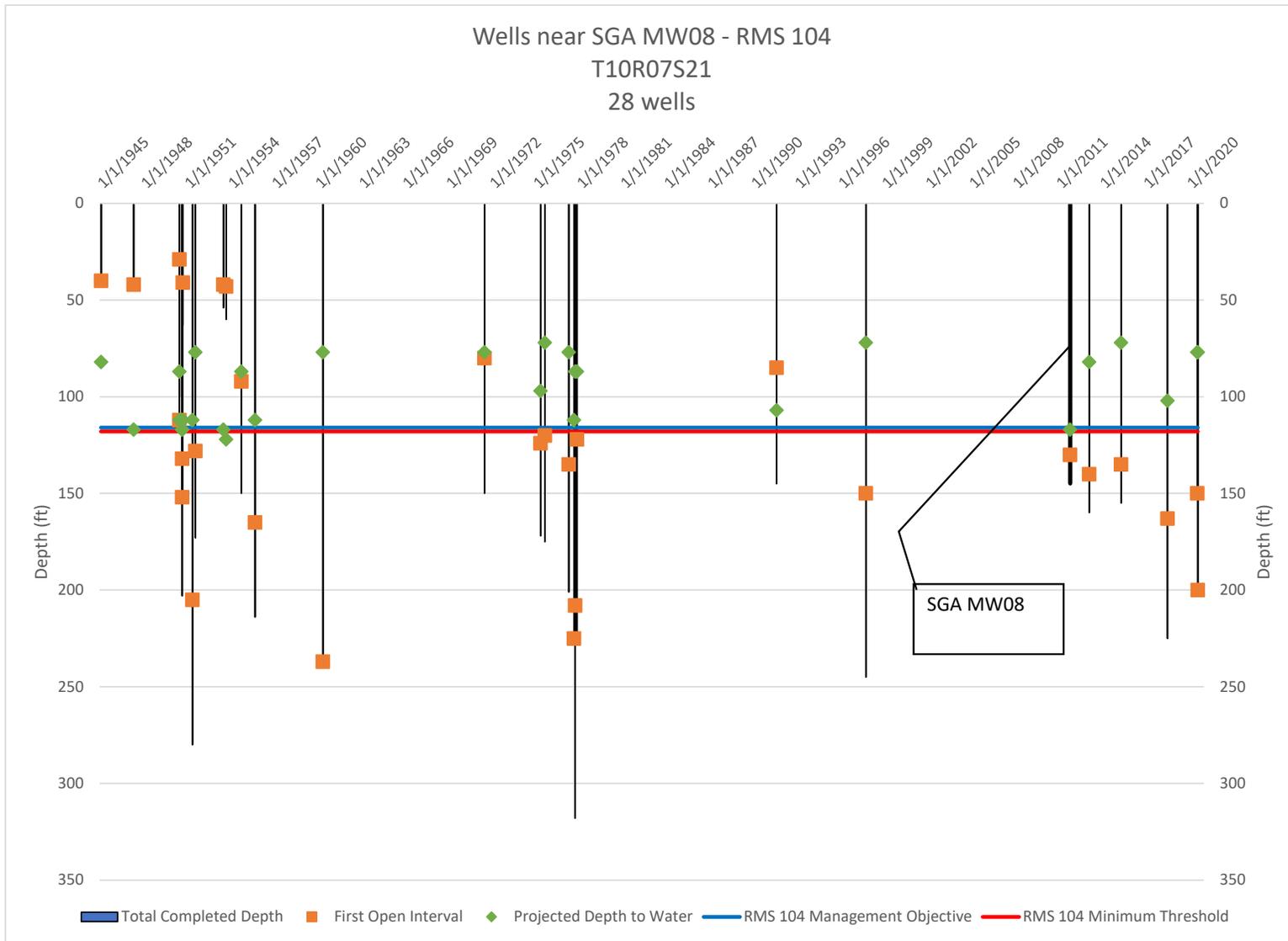


Figure B-19. Domestic Well Characteristics near RMS 104

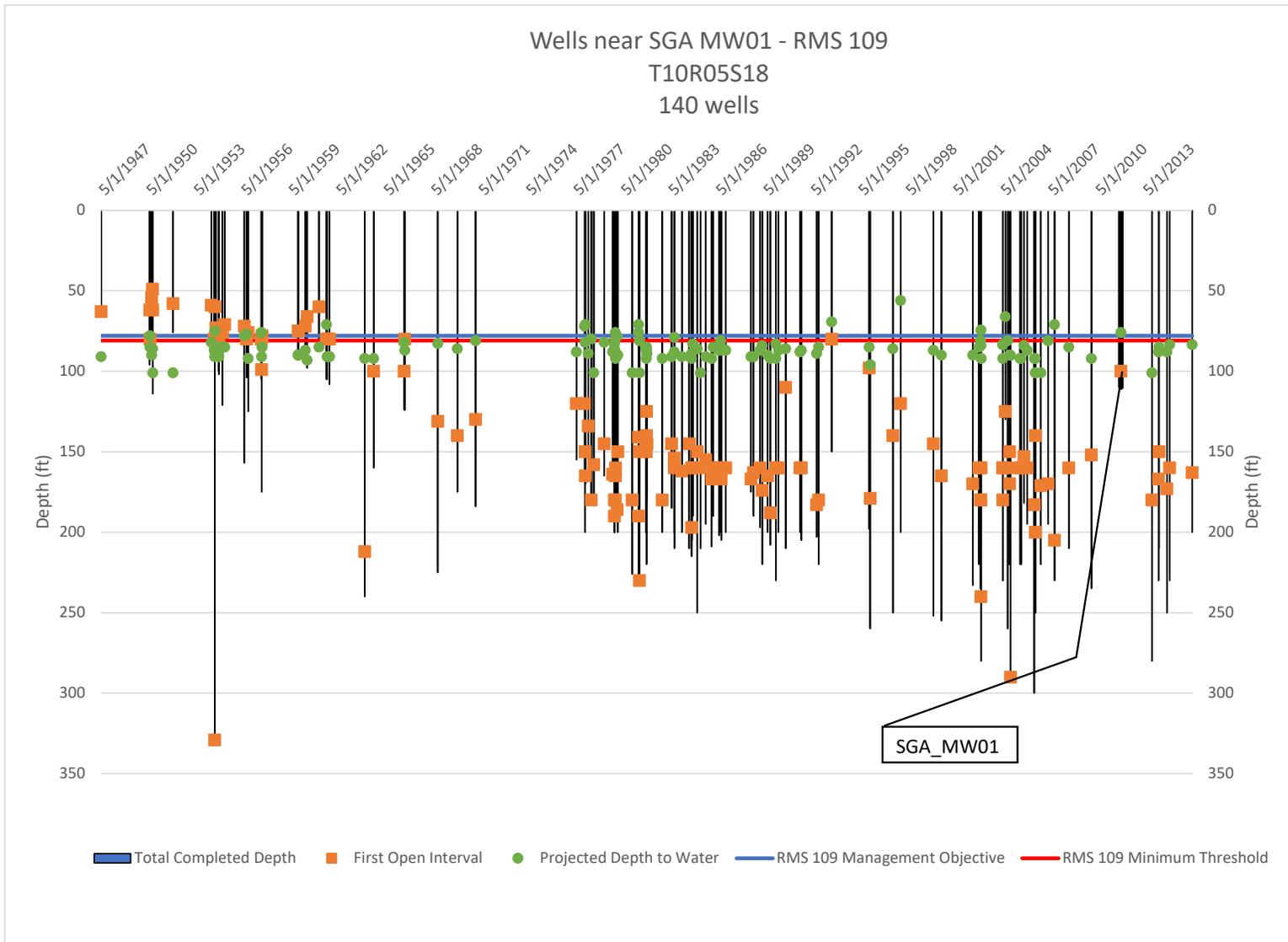


Figure B-20. Domestic Well Characteristics near RMS 109

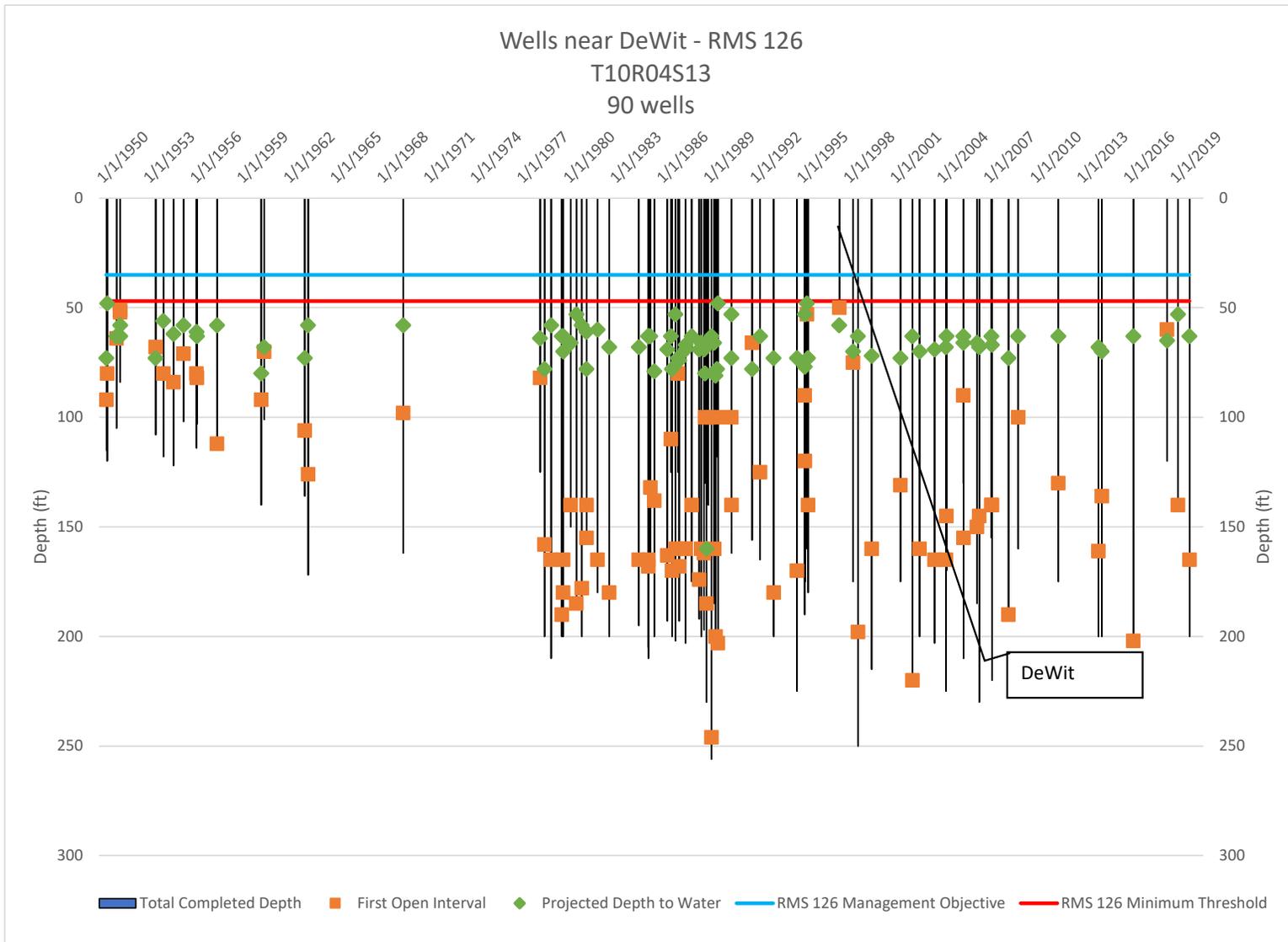


Figure B-21. Domestic Well Characteristics near RMS 126

Table B-3. Summary of Domestic Well Analysis with Respect to Total Depth

Well Information		Baseline Condition			Projected Condition			Net Difference (Baseline-Projected)	
Representative Monitoring Well	Number of Domestic Wells Assessed	Number pre-1970 Wells Above Depth to Water	Number post-1970 Wells Above Depth to Water	Total Wells Above Depth to Water	Number pre-1970 Wells Above Depth to Water	Number post-1970 Wells Above Depth to Water	Total Wells Above Depth to Water	Pre-1970 Domestic Wells	Post-1970 Domestic Wells
2	105	0	0	0	2	0	2	2	0
3	111	3	0	3	7	0	7	4	0
13	50	1	0	1	1	0	1	0	0
14	63	0	0	0	0	0	0	0	0
17	38	0	0	0	0	0	0	0	0
20	99	56	0	56	60	0	60	4	0
22	69	0	0	0	0	0	0	0	0
24	130	2	0	2	3	0	3	1	0
27	29	1	0	1	1	0	1	0	0
28	58	8	0	8	9	0	9	1	0
38	89	12	0	12	15	0	15	3	0
39	89	0	0	0	0	0	0	0	0
71	77	36	0	36	42	0	42	6	0
90	24	0	0	0	0	0	0	0	0
91	41	0	0	0	0	0	0	0	0
104	29	5	0	5	5	0	5	0	0
109	140	2	0	2	9	0	9	7	0
126	90	0	0	0	0	0	0	0	0
Total	1331	126	0	126	154	0	154	28	0

Table B-4. Summary of Domestic Well Analysis with Respect to First Open Interval

Well Information		Baseline Condition			Projected Condition			Net Difference (Baseline-Projected)	
Representative Monitoring Well	Number of Domestic Wells Assessed	Number pre-1970 Wells Above Depth to Water	Number post-1970 Wells Above Depth to Water	Total Wells Above Depth to Water	Number pre-1970 Wells Above Depth to Water	Number post-1970 Wells Above Depth to Water	Total Wells Above Depth to Water	Pre-1970 Domestic Wells	Post-1970 Domestic Wells
2	105	6	0	6	7	0	7	1	0
3	111	28	0	28	32	0	32	4	0
13	50	4	0	4	6	0	6	2	0
14	63	0	0	0	0	0	0	0	0
17	38	2	1	3	4	1	5	2	0
20	99	85	1	86	85	1	86	0	0
22	69	0	0	0	0	0	0	0	0
24	130	14	3	17	22	3	25	8	0
27	29	1	0	1	3	0	3	2	0
28	58	15	3	18	15	3	18	0	0
38	89	21	0	21	22	0	22	1	0
39	89	0	0	0	0	1	1	0	1
71	77	39	1	40	63	2	65	24	1
90	24	2	0	2	2	2	4	0	2
91	41	0	6	6	0	9	9	0	3
104	29	6	1	7	7	1	8	1	0
109	140	10	0	10	28	0	28	18	0
126	90	0	0	0	3	2	5	3	2
Total	1331	233	16	249	299	25	324	66	9

