

Appendix Q: SMC Hydrographs

NORTH AMERICAN SUBBASIN GROUNDWATER SUSTAINABILITY PLAN

APPENDIX Q Sustainable Management Criteria Hydrographs

December 2021

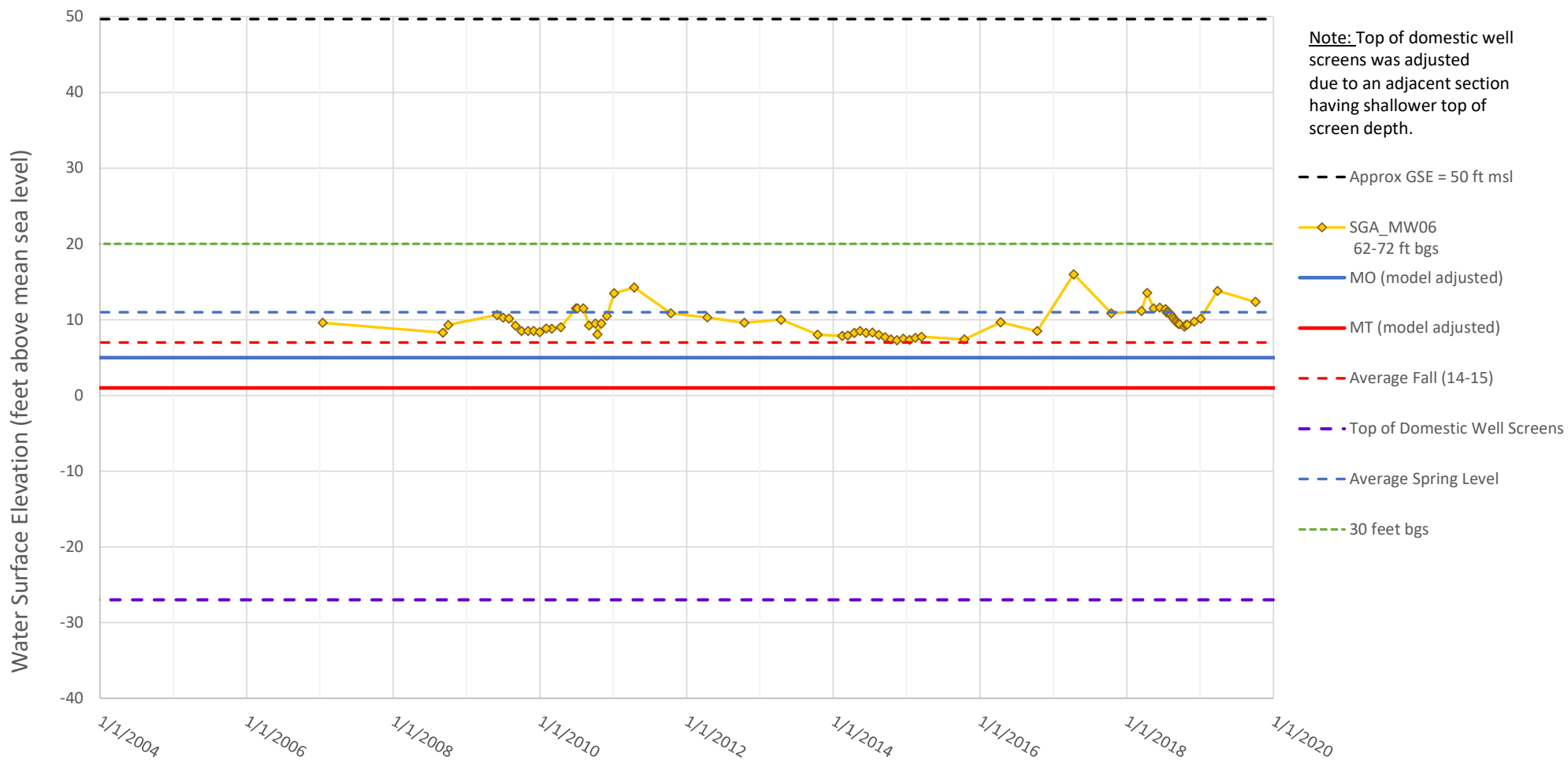
APPENDIX Q – SUSTAINABLE MANAGEMENT CRITERIA HYDROGRAPHS

This section provides a reference location map and hydrographs for each of the North American Subbasin's 41 representative monitoring sites (RMS) for groundwater elevation sustainable management criteria. The location map includes the RMS local well number and the elevation of the minimum threshold.

Each graph includes the approximate land surface elevation at the well (dashed black line), available historical groundwater elevation data from the well, observed average Spring (dashed blue line) and Fall (dashed red line) elevations that serve as the baseline for developing measurable objectives (MOs) and minimum thresholds (MTs), and the final MOs (solid blue line) and MTs (solid red line) based on projected modeling results.

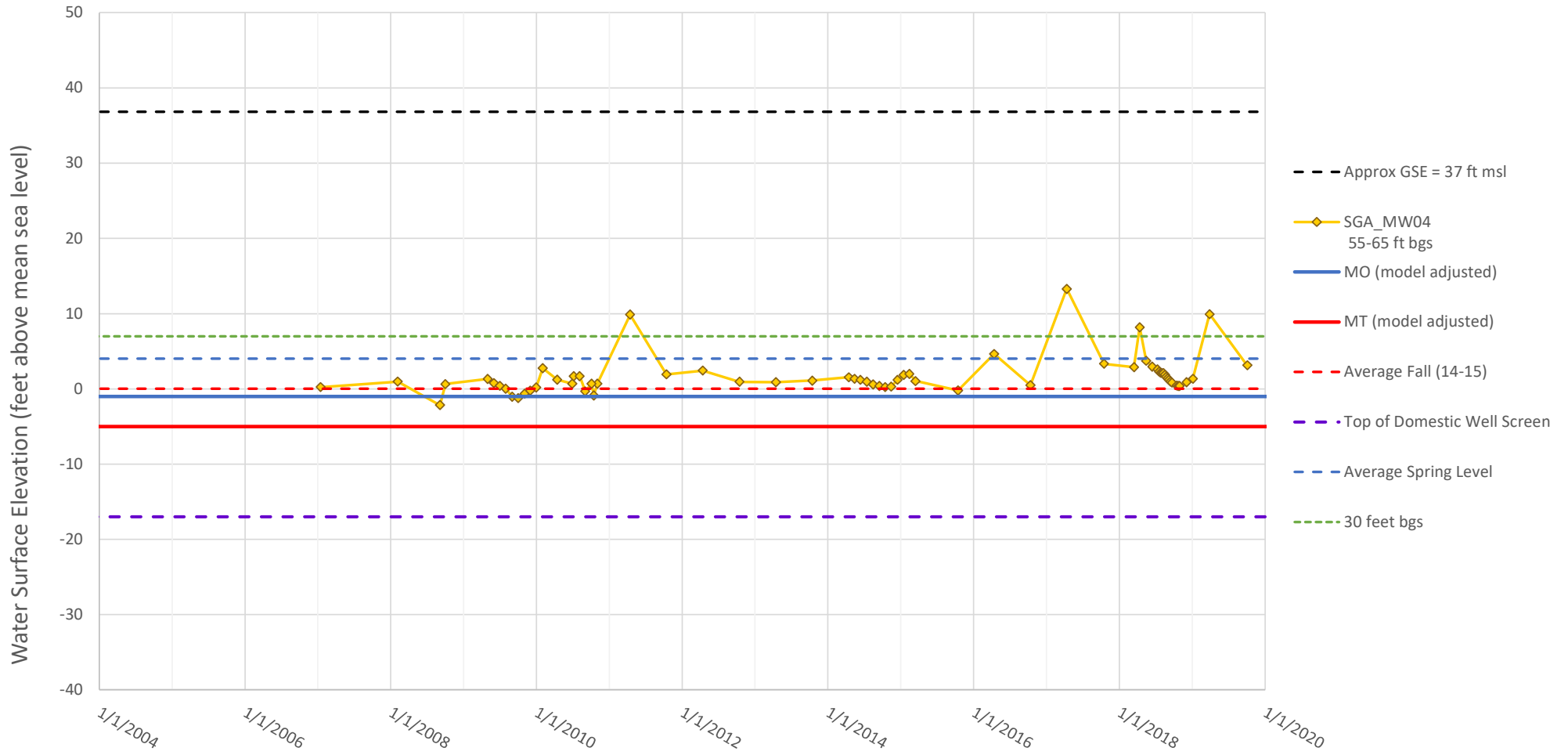
Representative Well

Local Well No. 02 - SGA_MW06



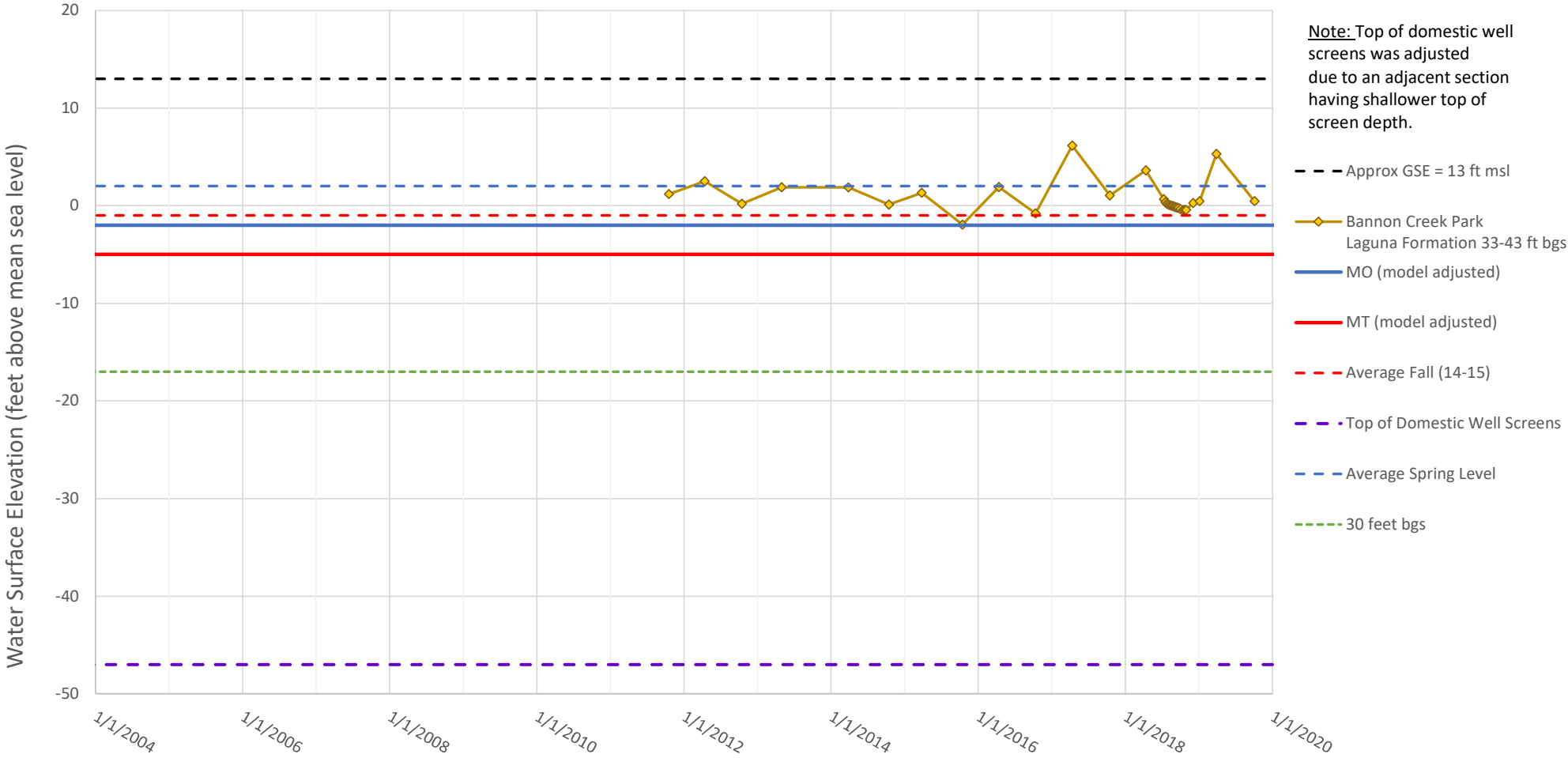
Representative Well

Local Well No. 03 - SGA_MW04



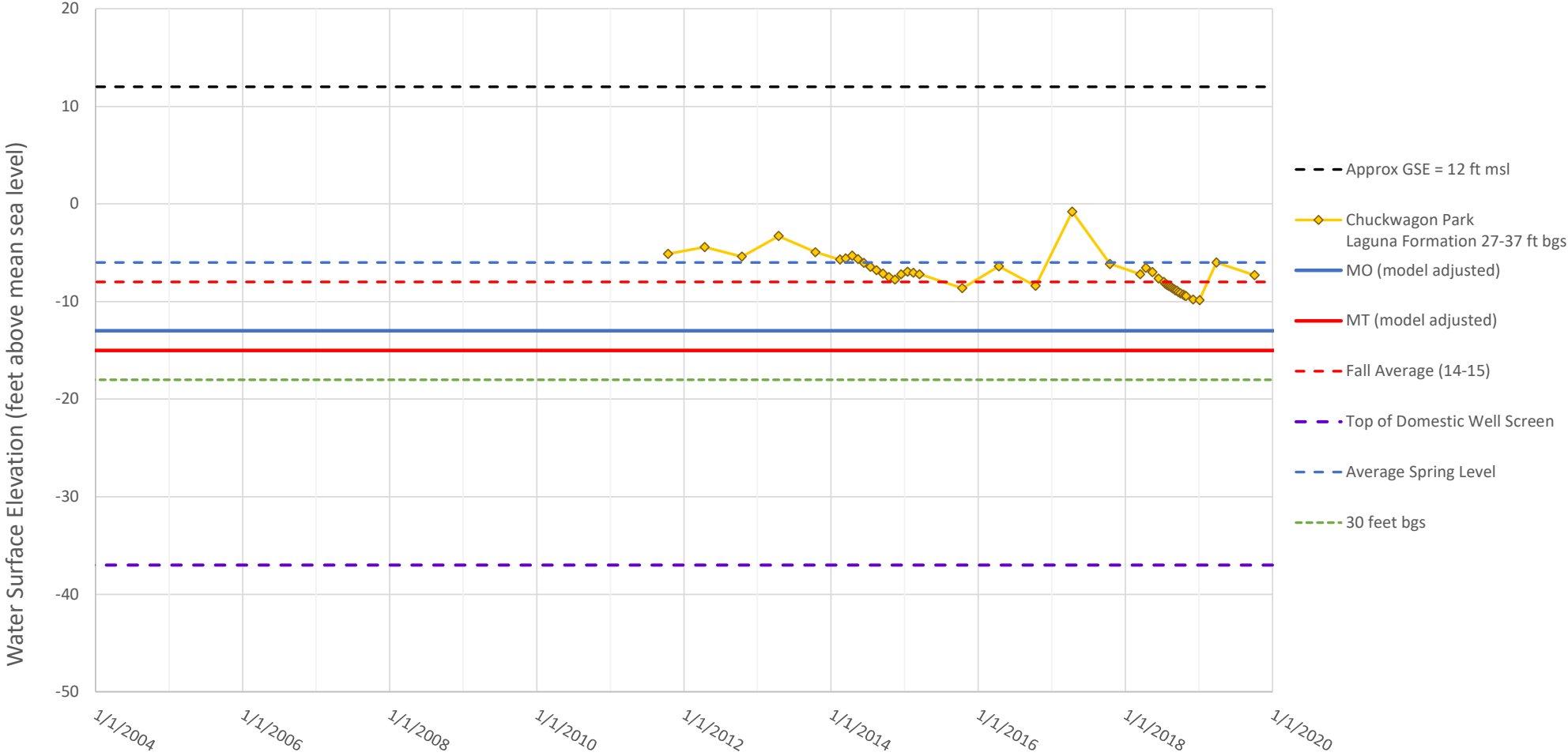
Representative Well

Local Well No. 11 - Bannon Creek Park



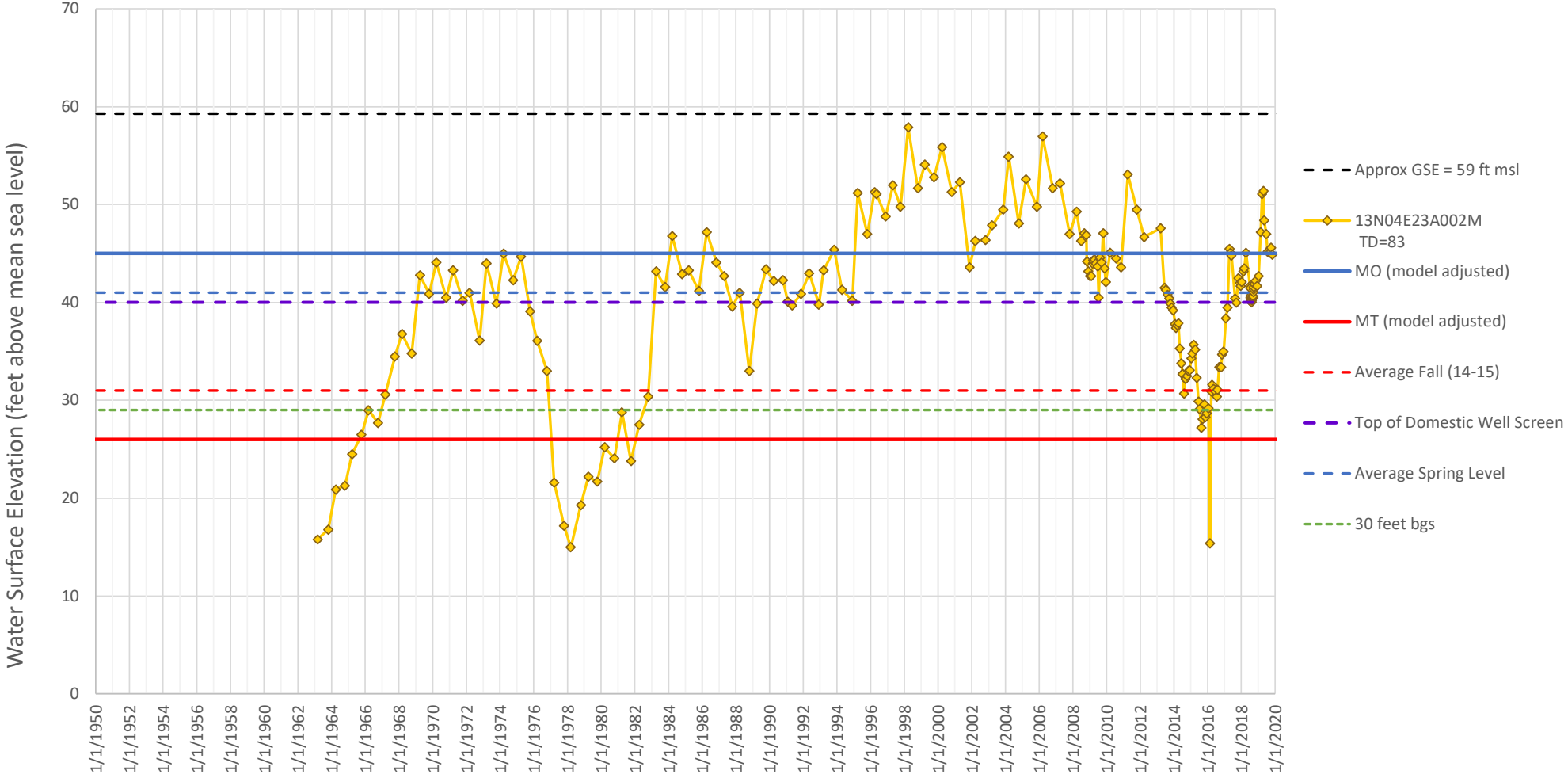
Representative Well

Local Well No. 13 - Chuckwagon Park



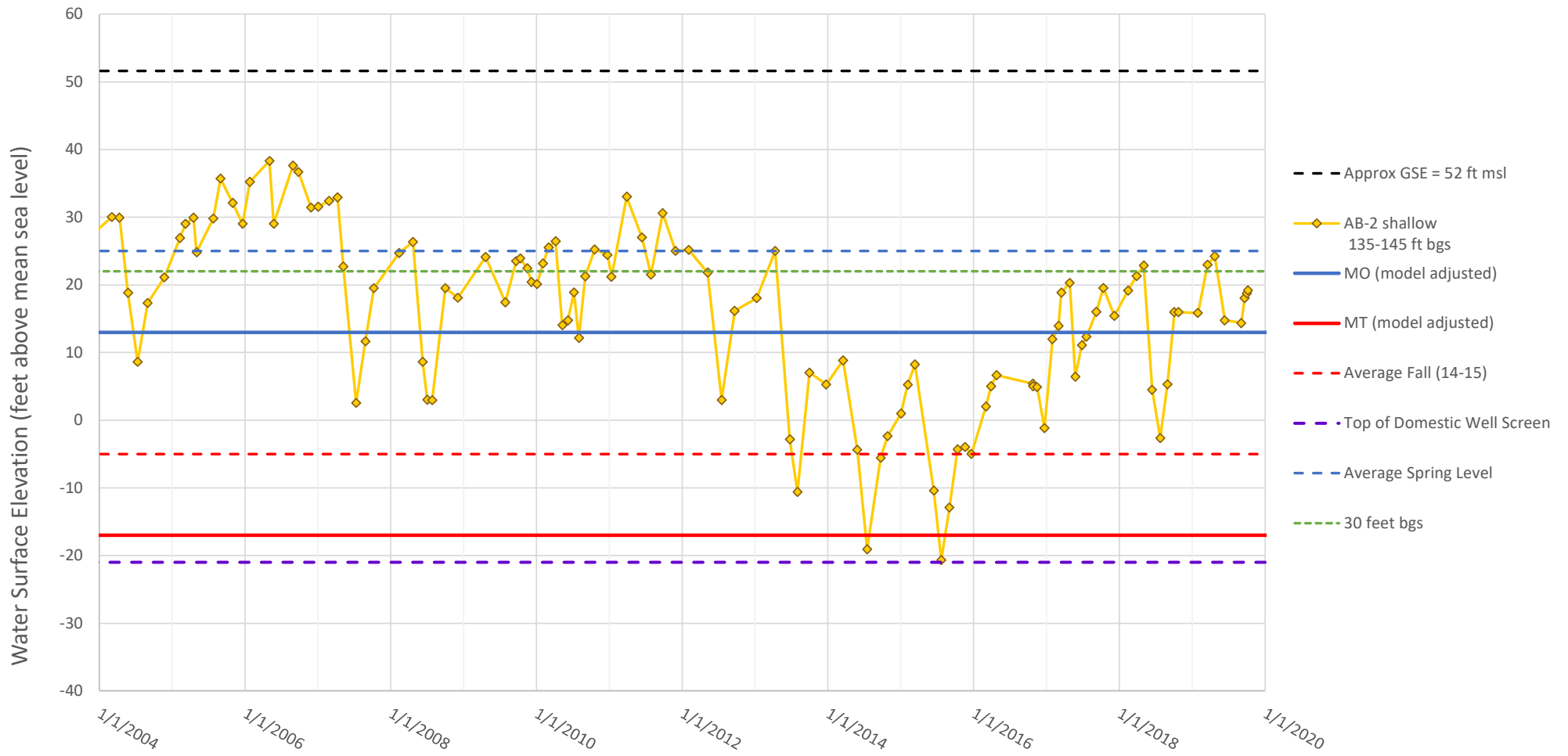
Representative Well

Local Well No. 14 - 13N0423A002M

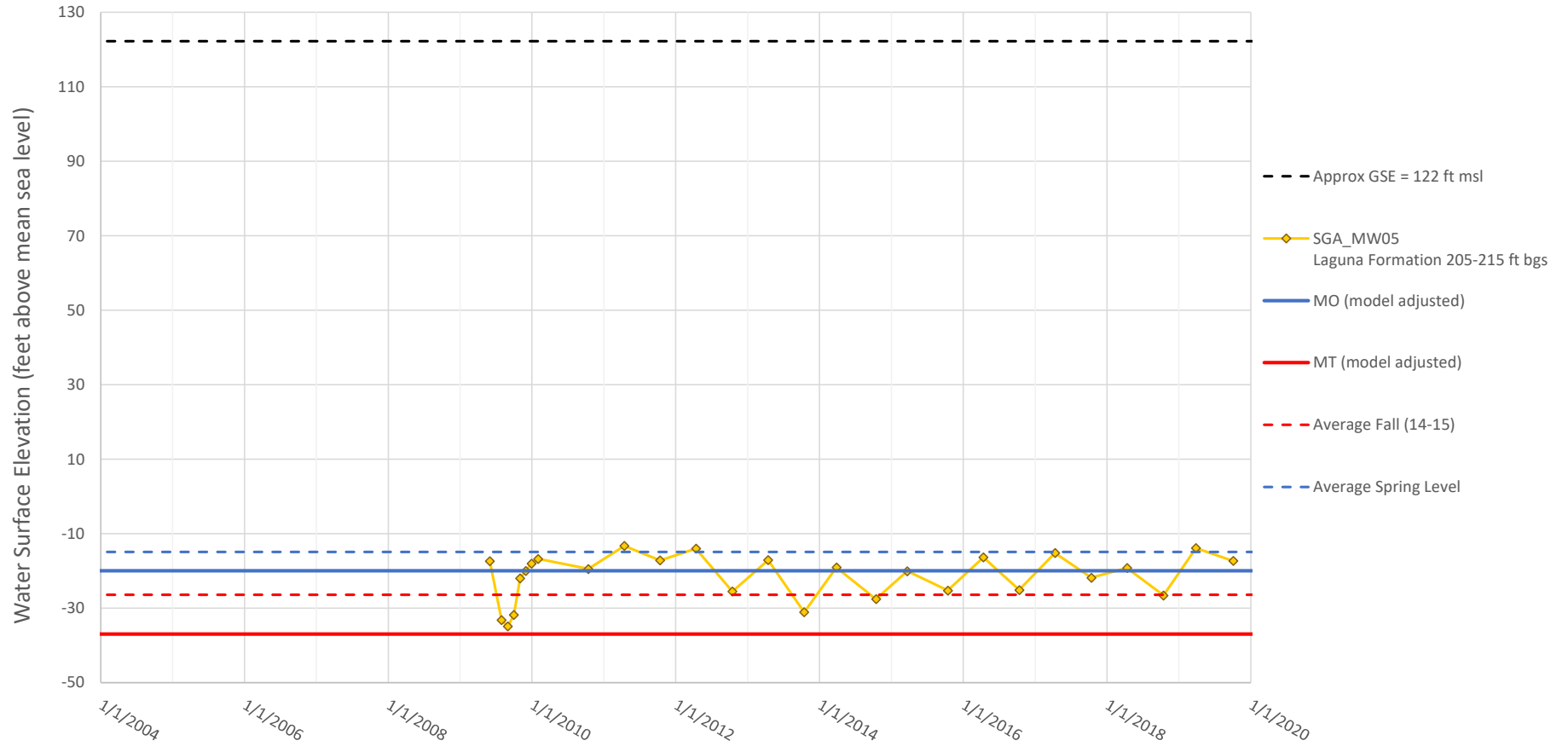


Representative Well

Local Well No. 17 - AB-2 Shallow

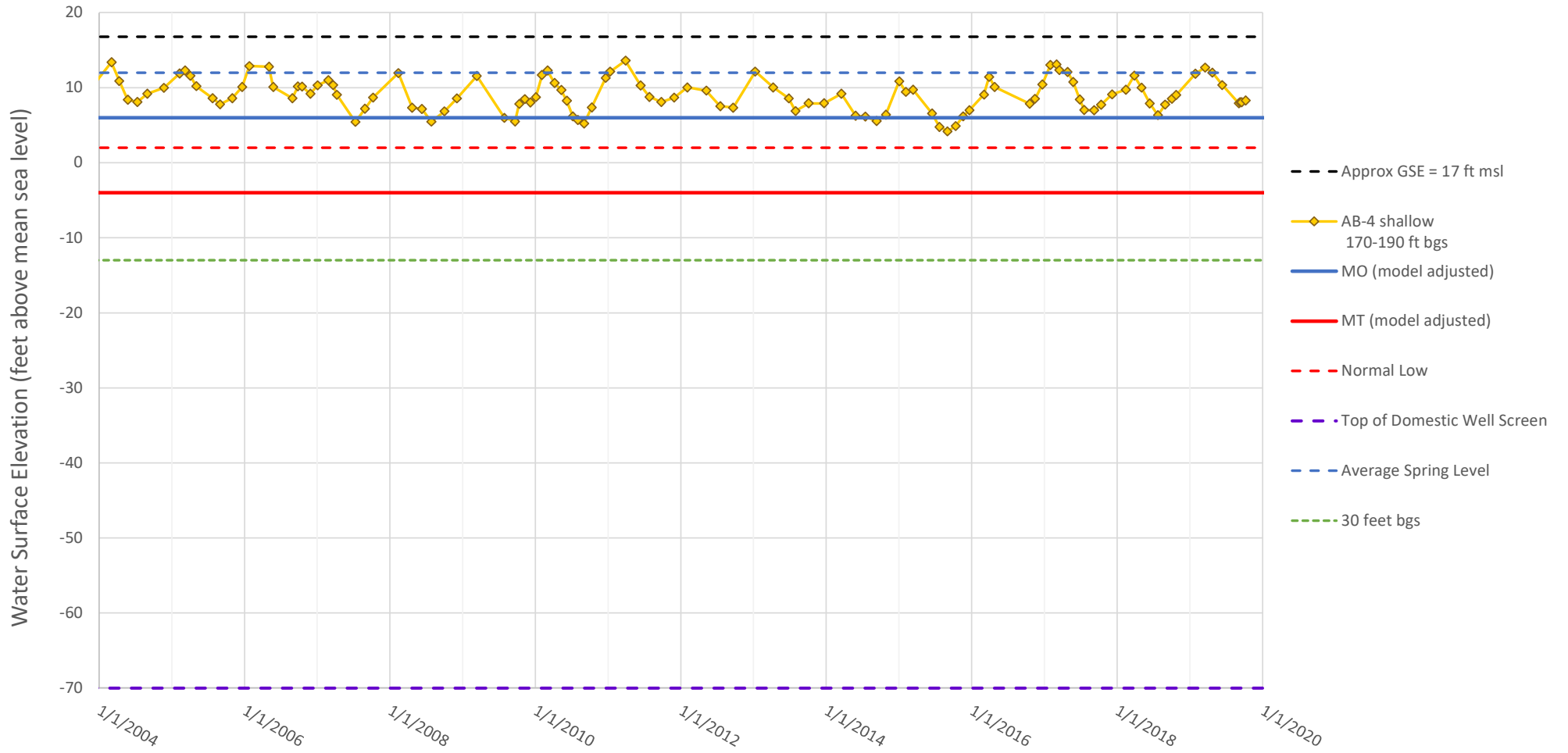


Representative Well Local Well No. 20 - SGA_MW05



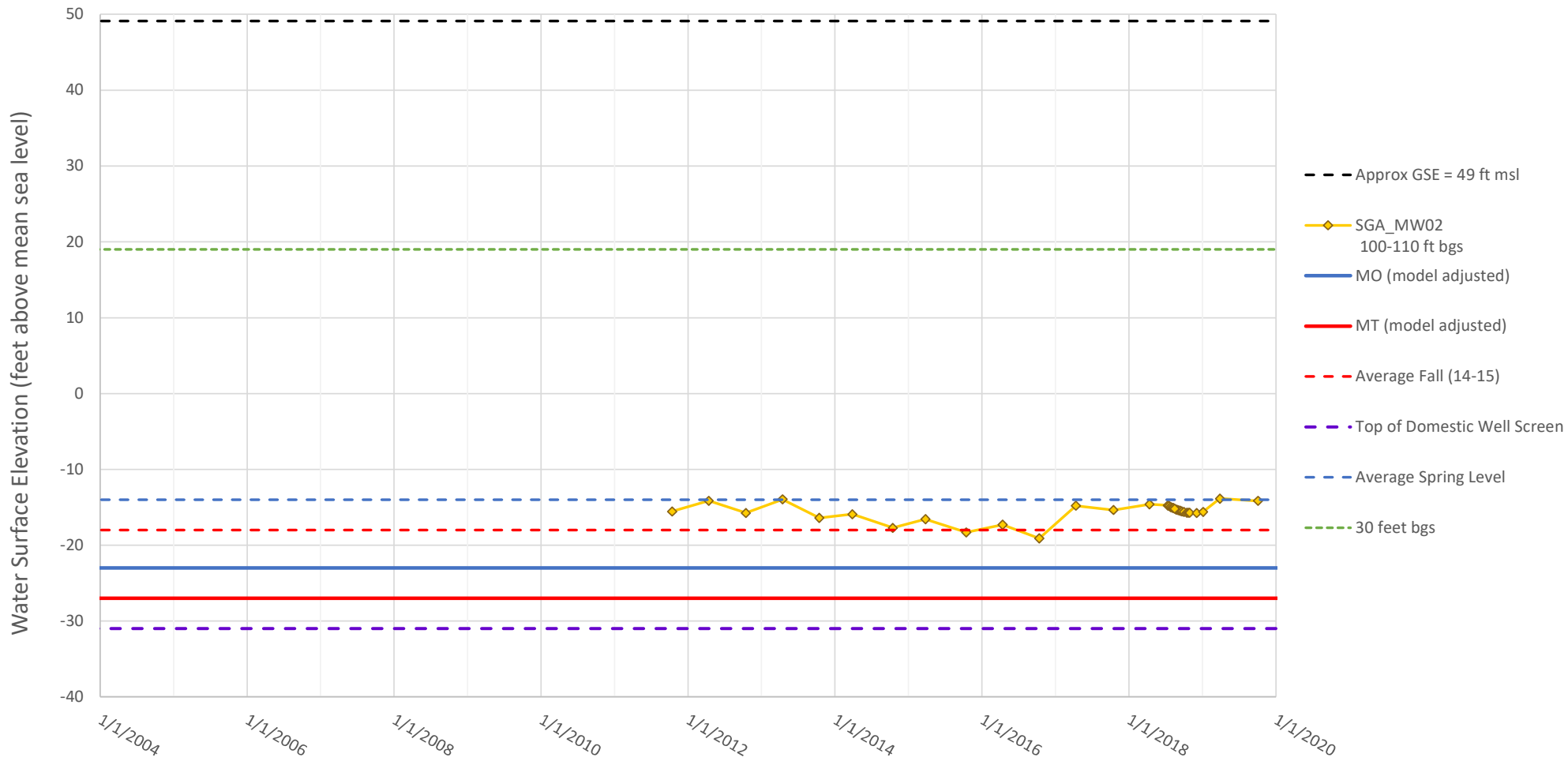
Representative Well

Local Well No. 22 - AB-4 Shallow



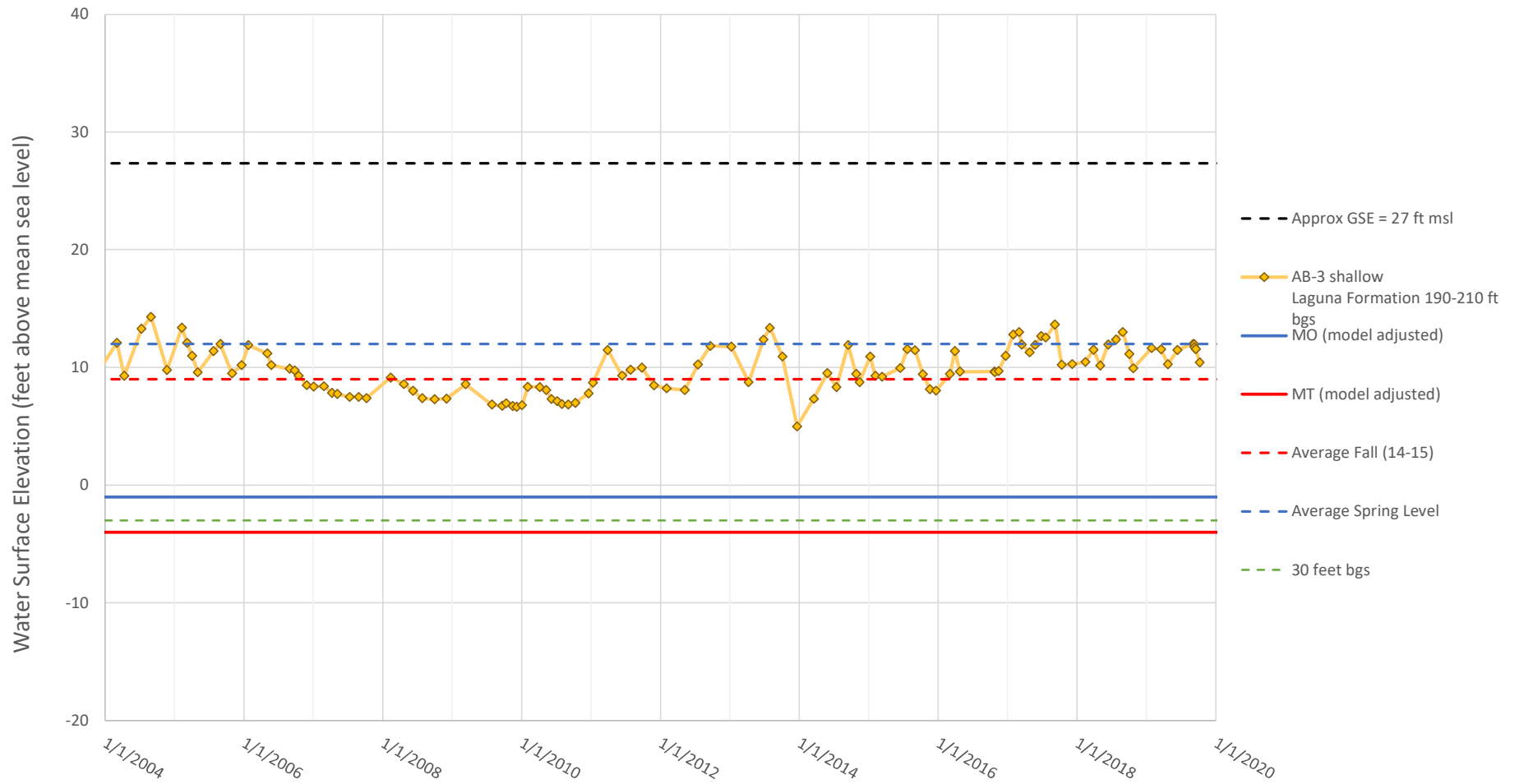
Representative Well

Local Well No. 24 - SGA_MW02



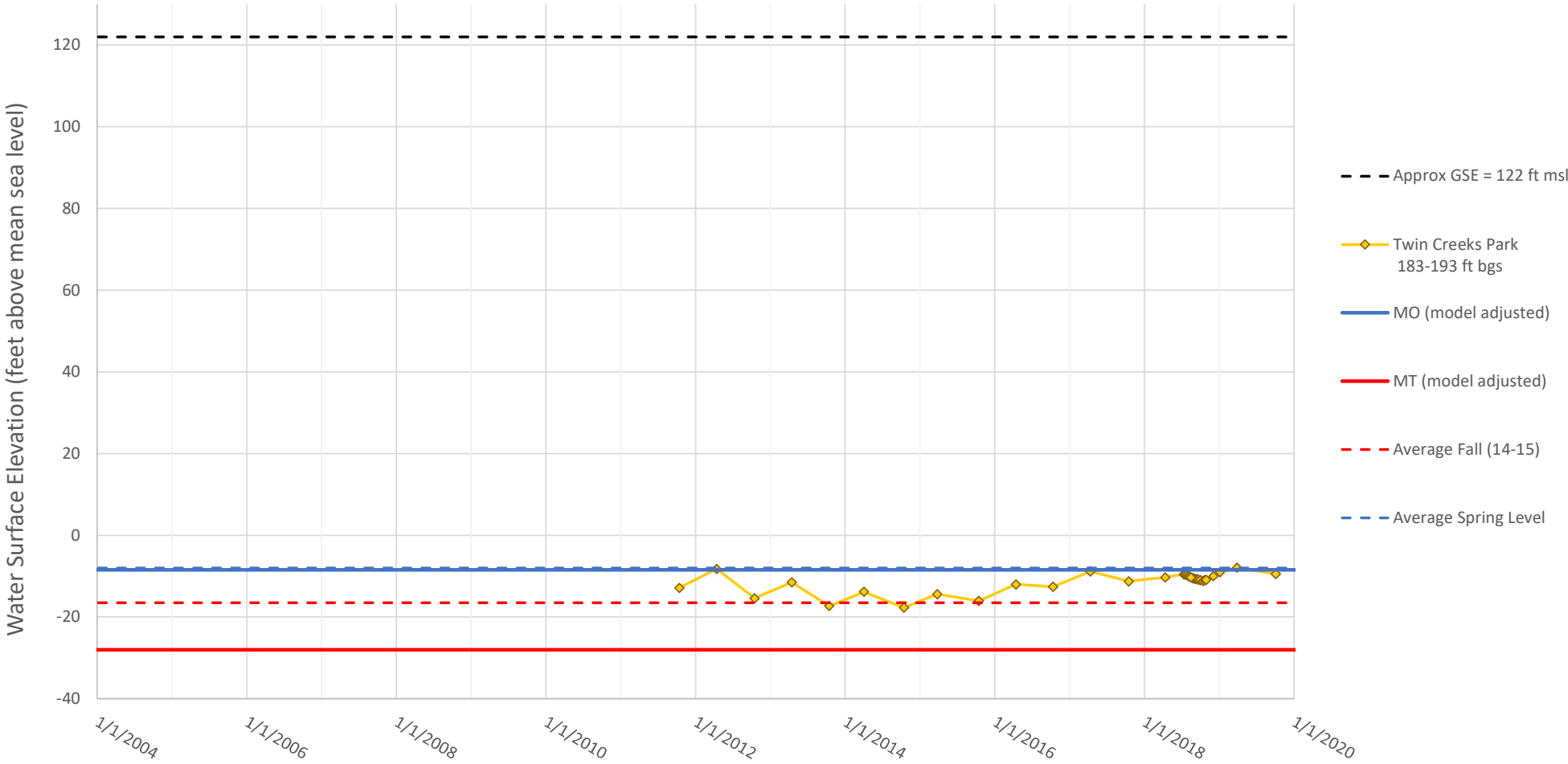
Representative Well

Local Well No.27 - AB-3 shallow

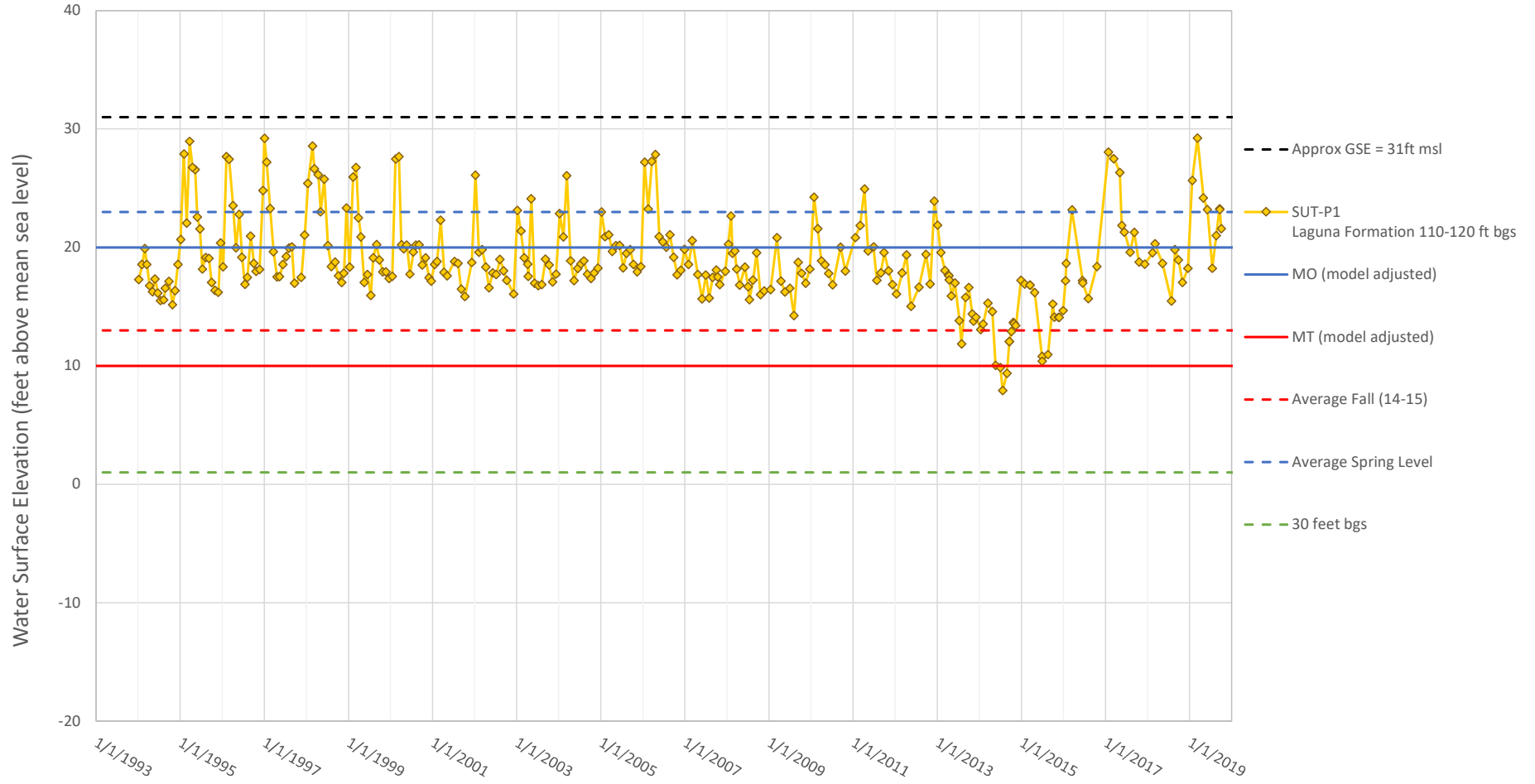


Representative Well

Local Well No. 28 - Twin Creeks Park

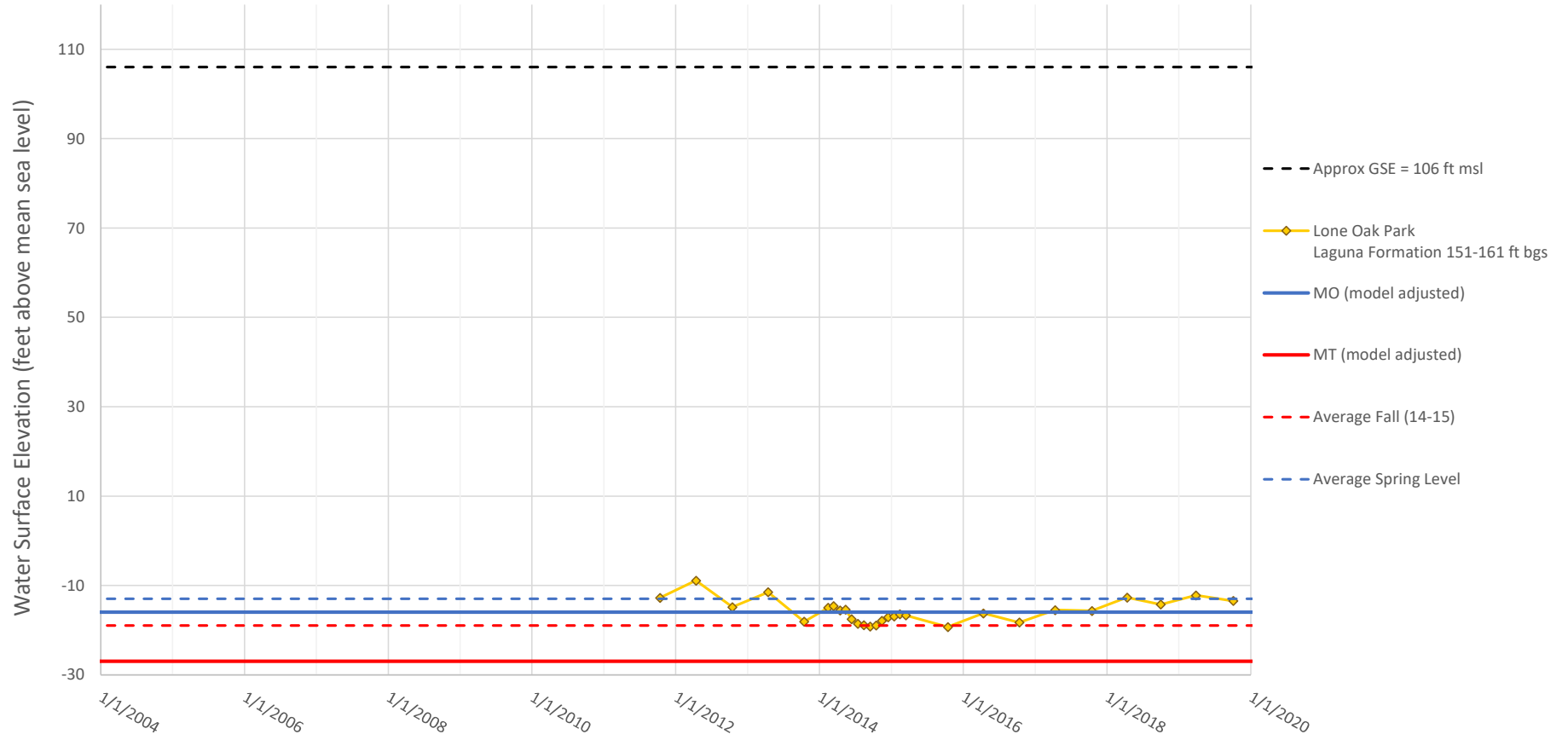


Representative Well
Local Well No. 37 - SUT-P1



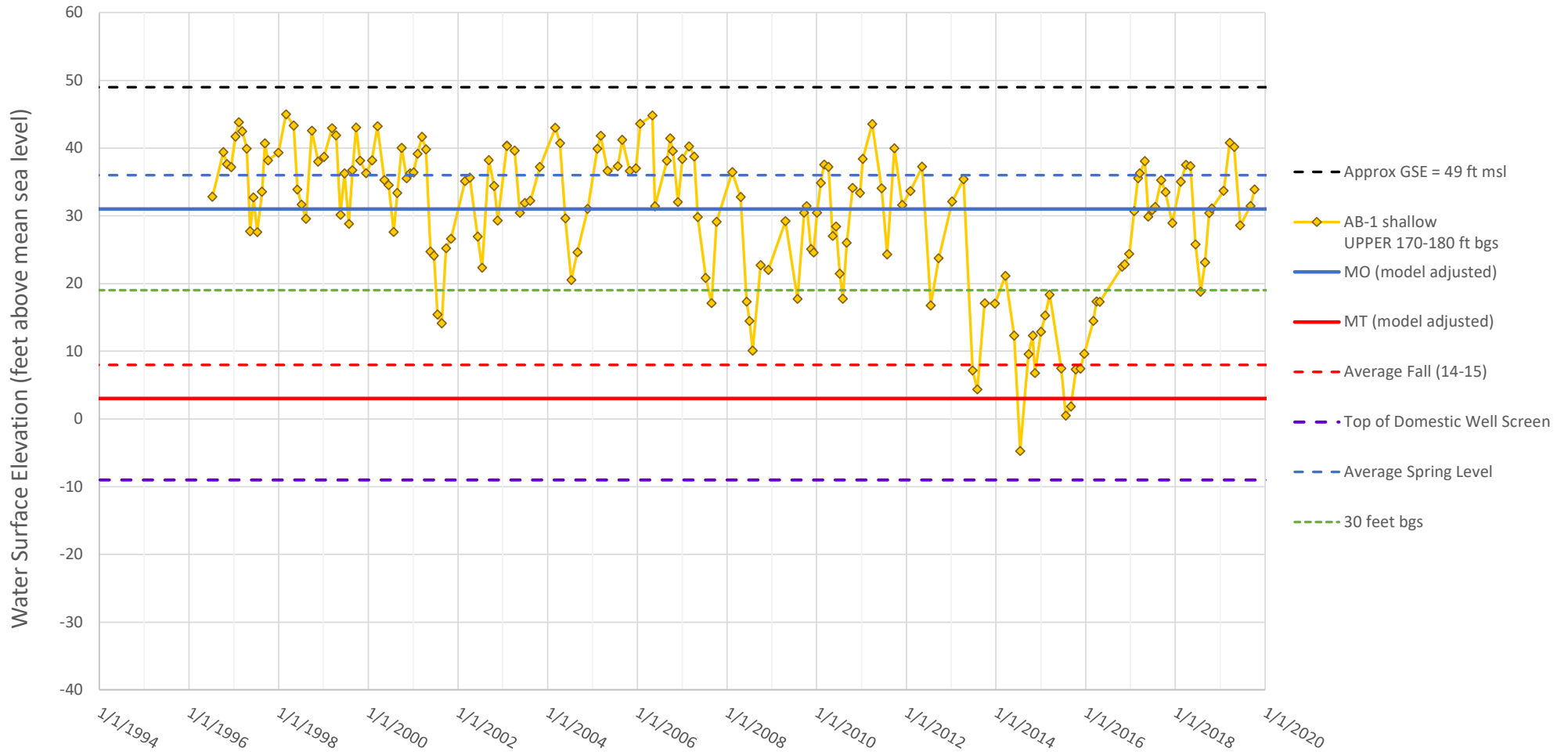
Representative Well

Local Well No. 38 - Lone Oak Park



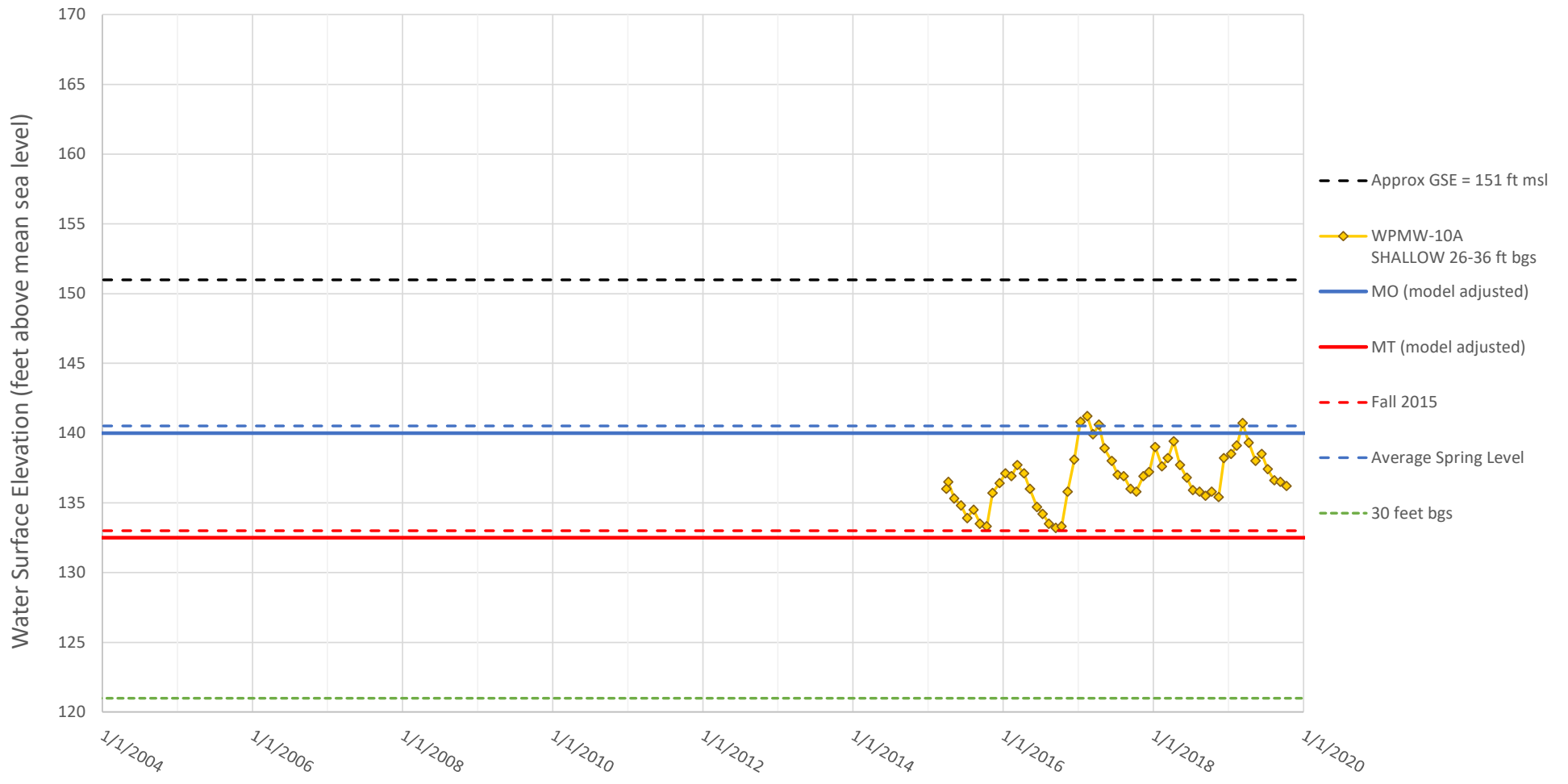
Representative Well

Local Well No. 39 - AB-1 Shallow

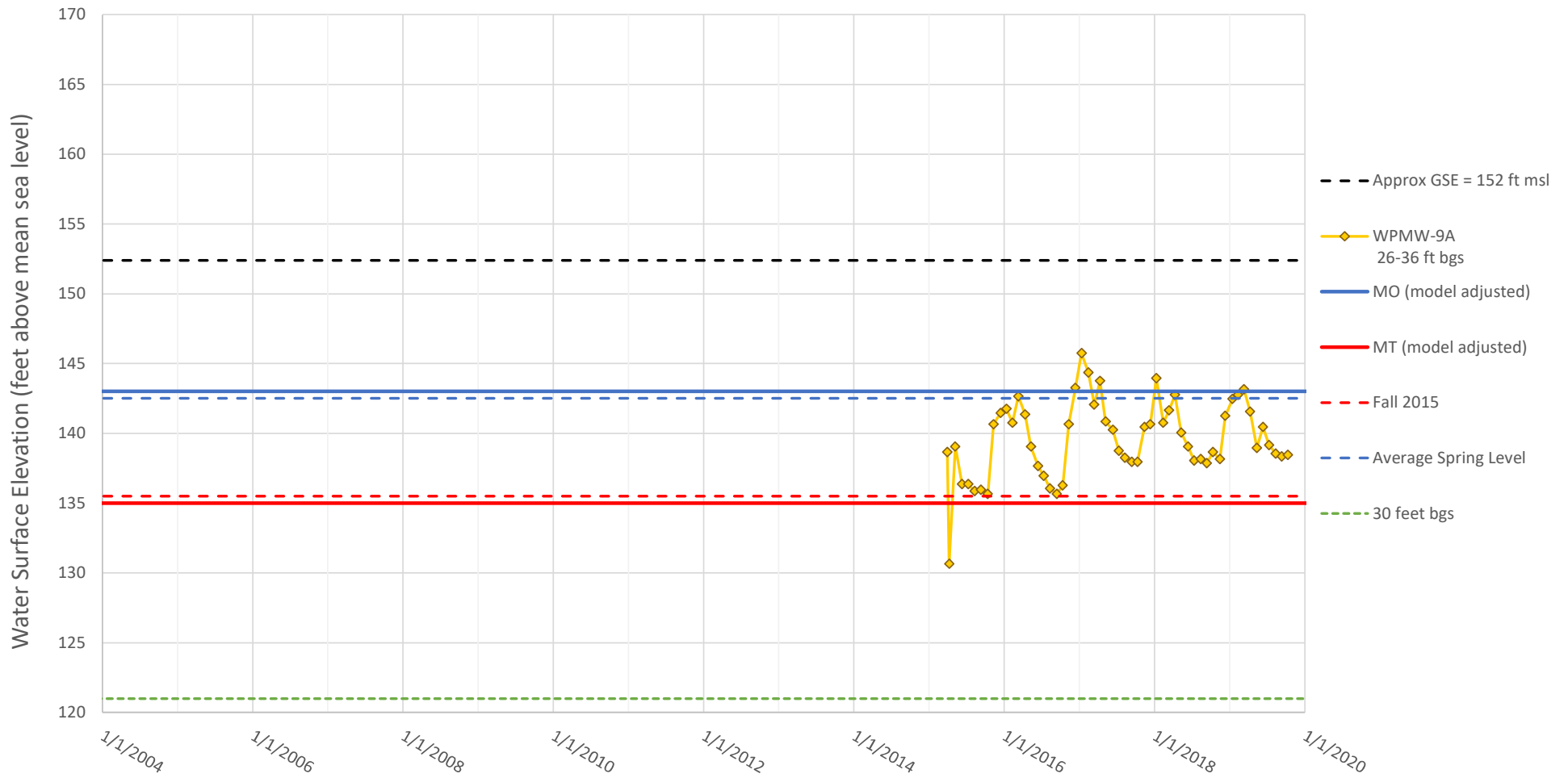


Representative Well

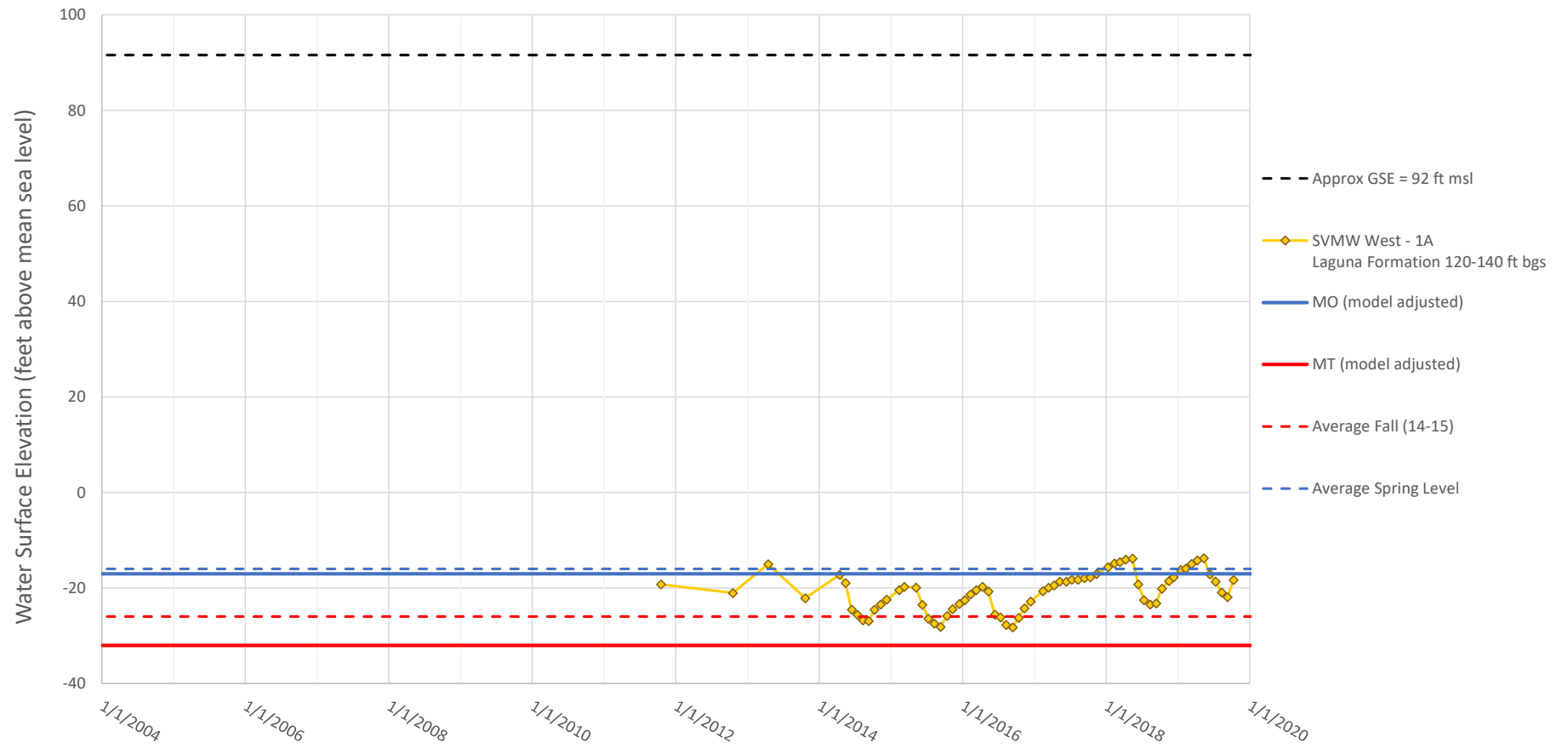
Local Well No. 44 - WPMW-10A



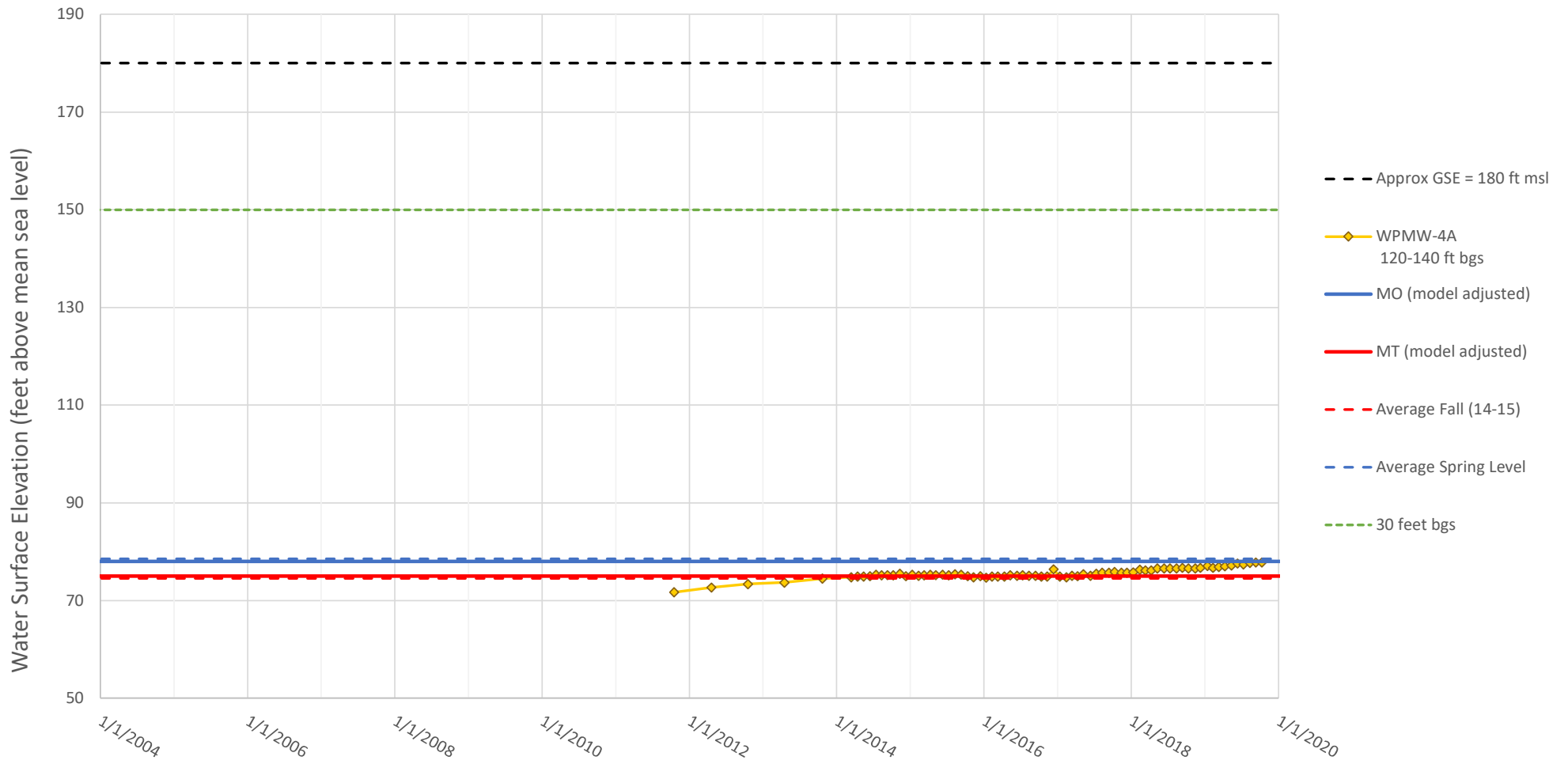
Representative Well Local Well No. 44 - WPMW-9A



Representative Well Local Well No. 46 - SVMW West-1A

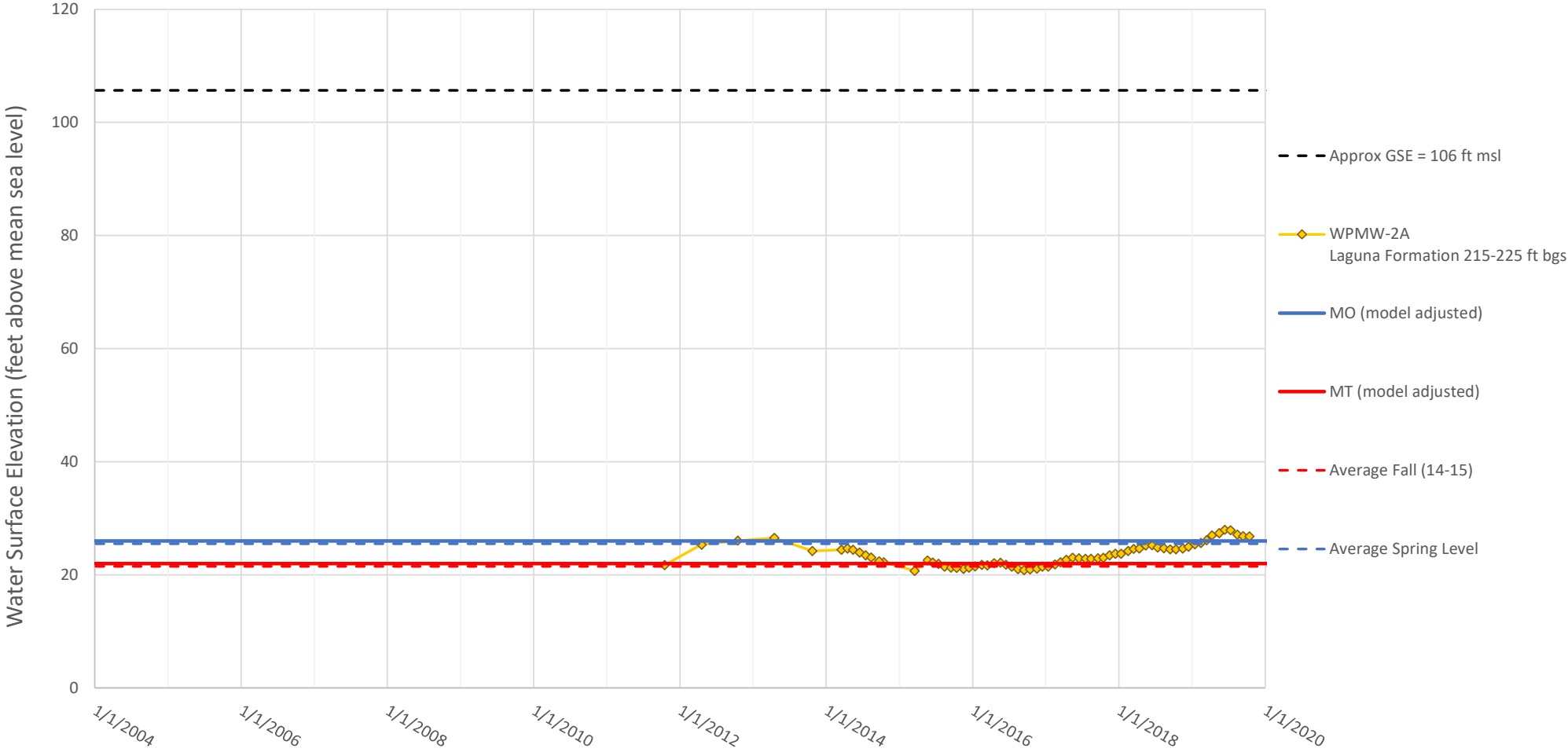


Representative Well Local Well No. 48 - WPMW-4A

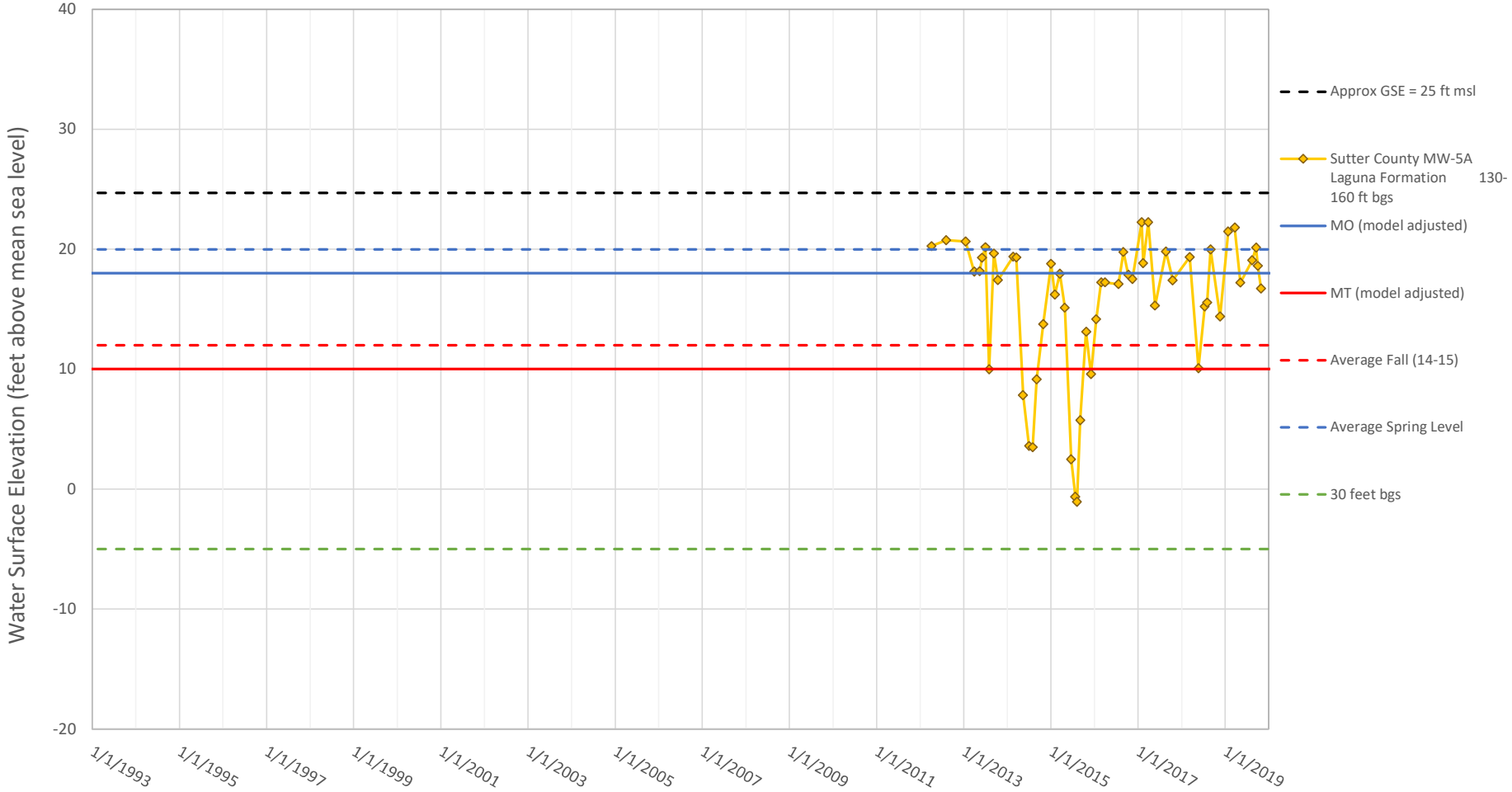


Representative Well

Local Well No. 60 - WPMW-2A

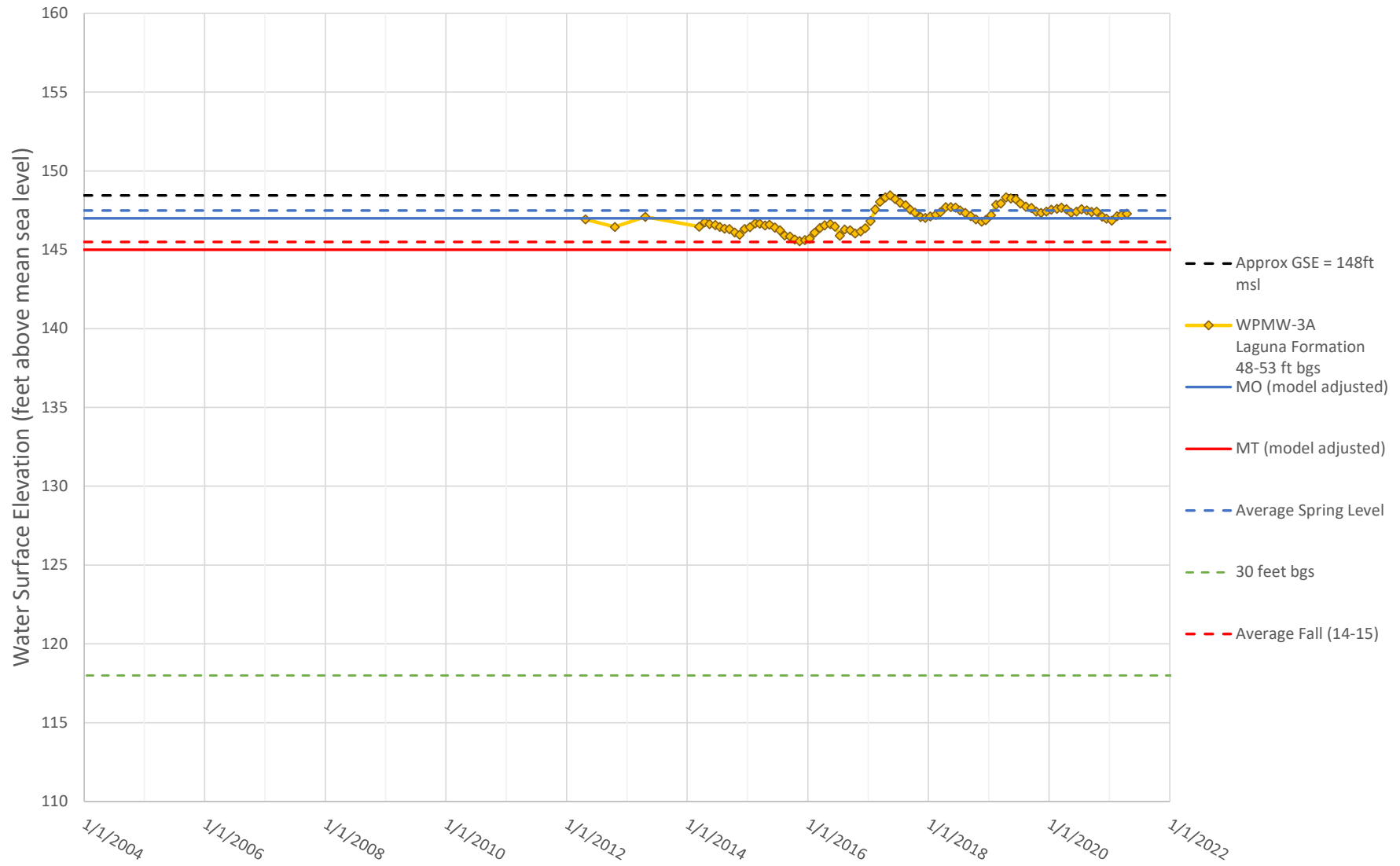


Representative Well Local Well No. 61 - Sutter County MW-5A

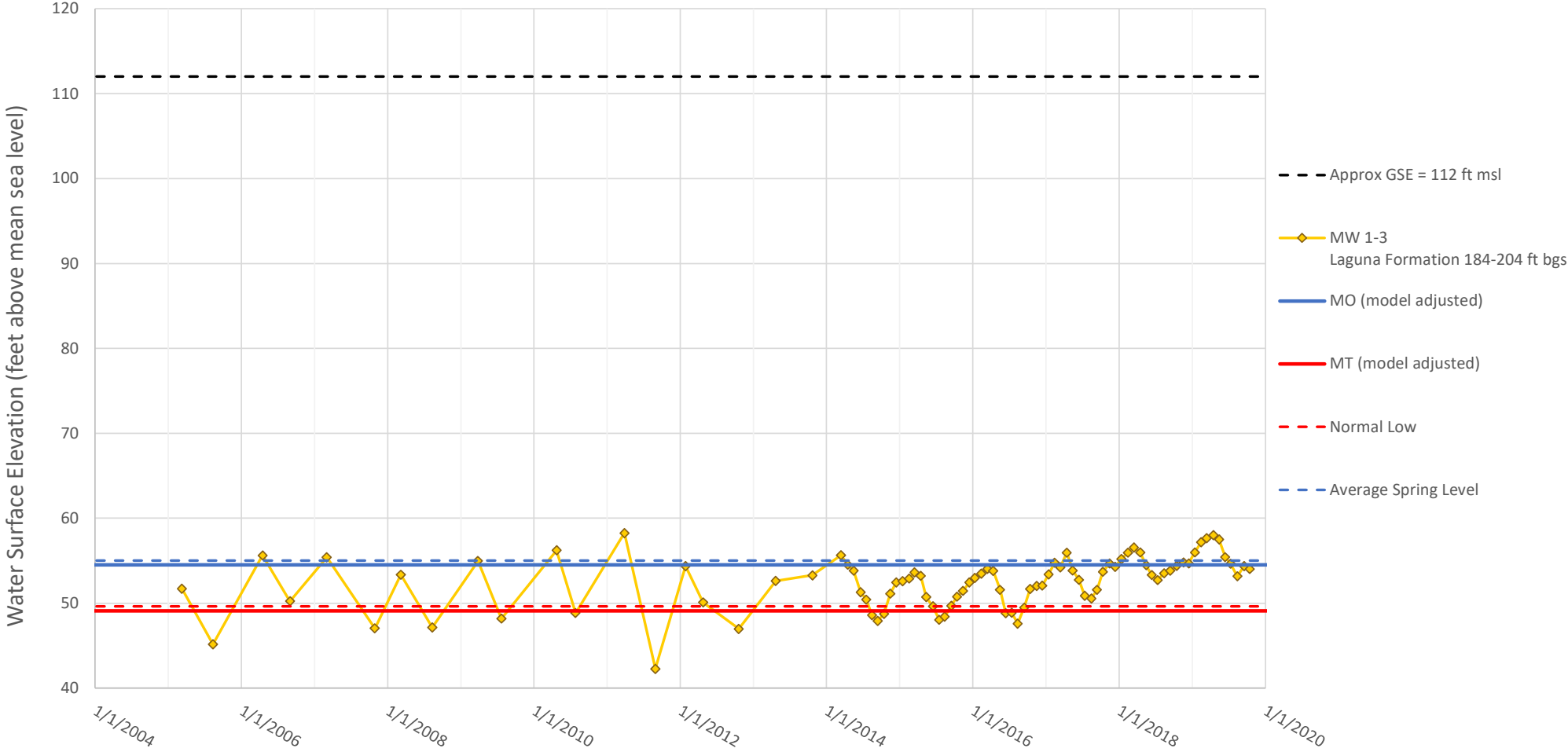


Representative Well

Local Well No. 63 - WPMW-3A

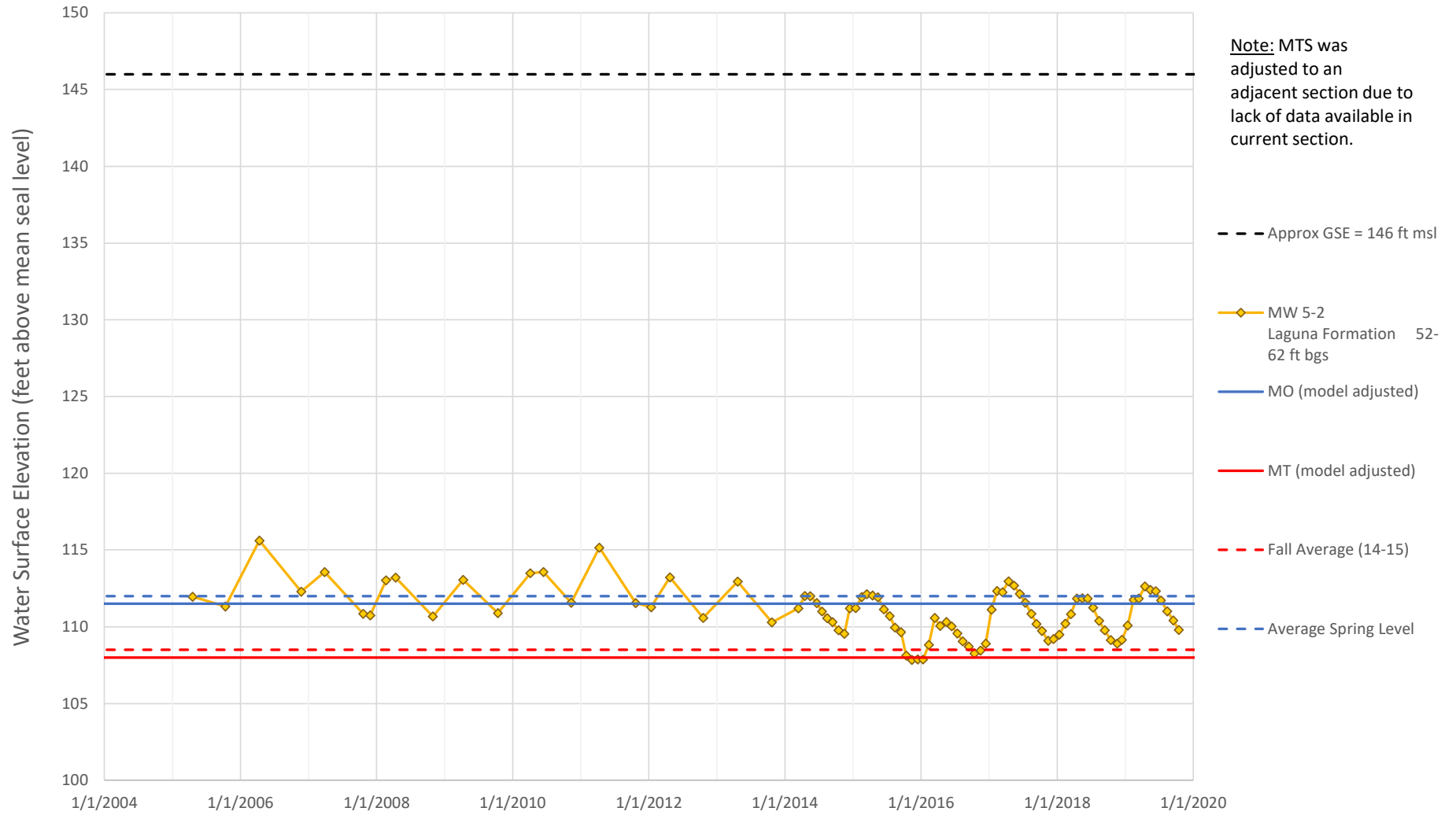


Representative Well Local Well No. 65 - MW 1-3



Representative Well

Local Well No. 66 - MW 5-2



Note: MTS was adjusted to an adjacent section due to lack of data available in current section.

--- Approx GSE = 146 ft msl

◇ MW 5-2
Laguna Formation 52-62 ft bgs

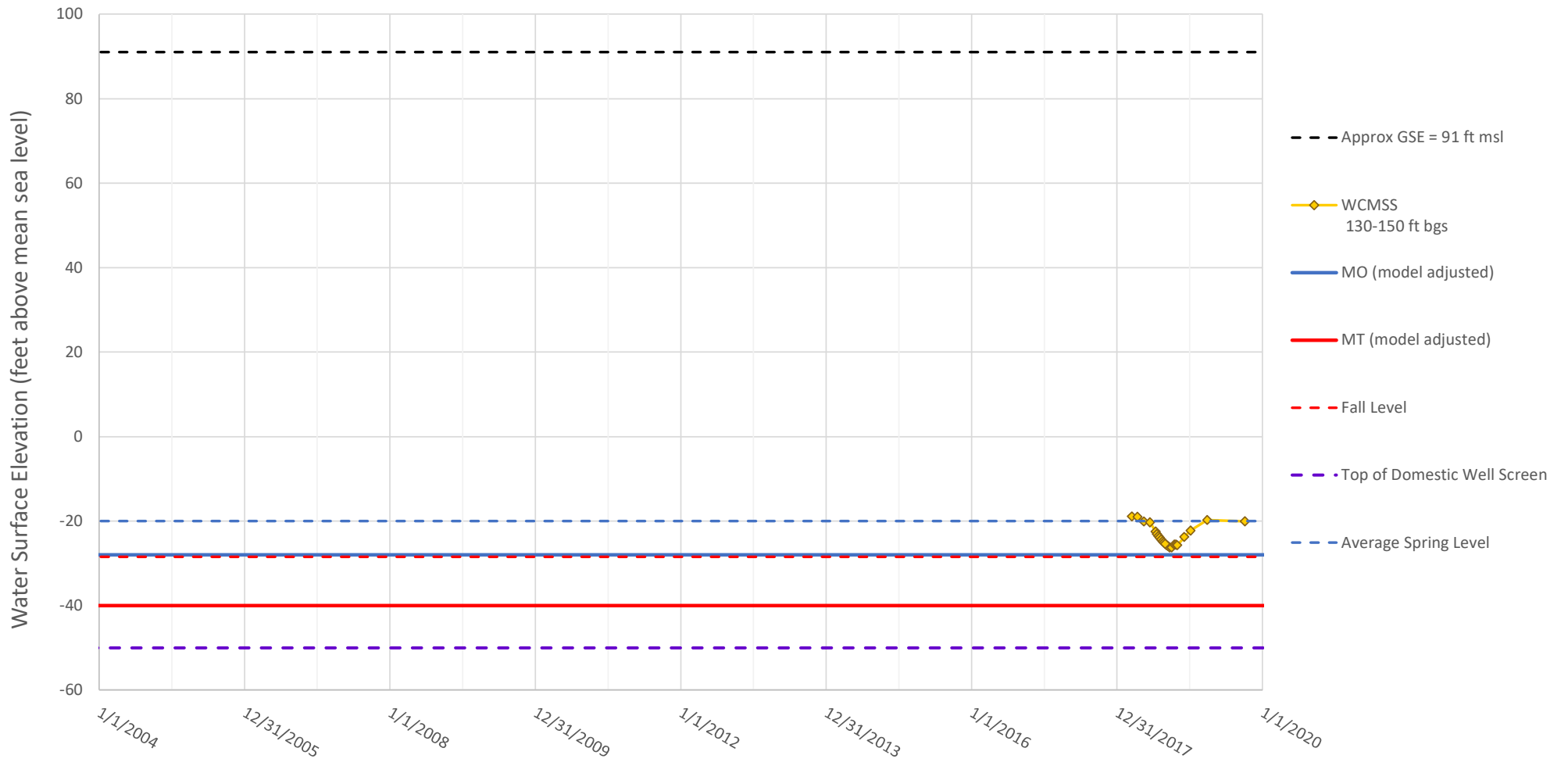
— MO (model adjusted)

— MT (model adjusted)

- - - Fall Average (14-15)

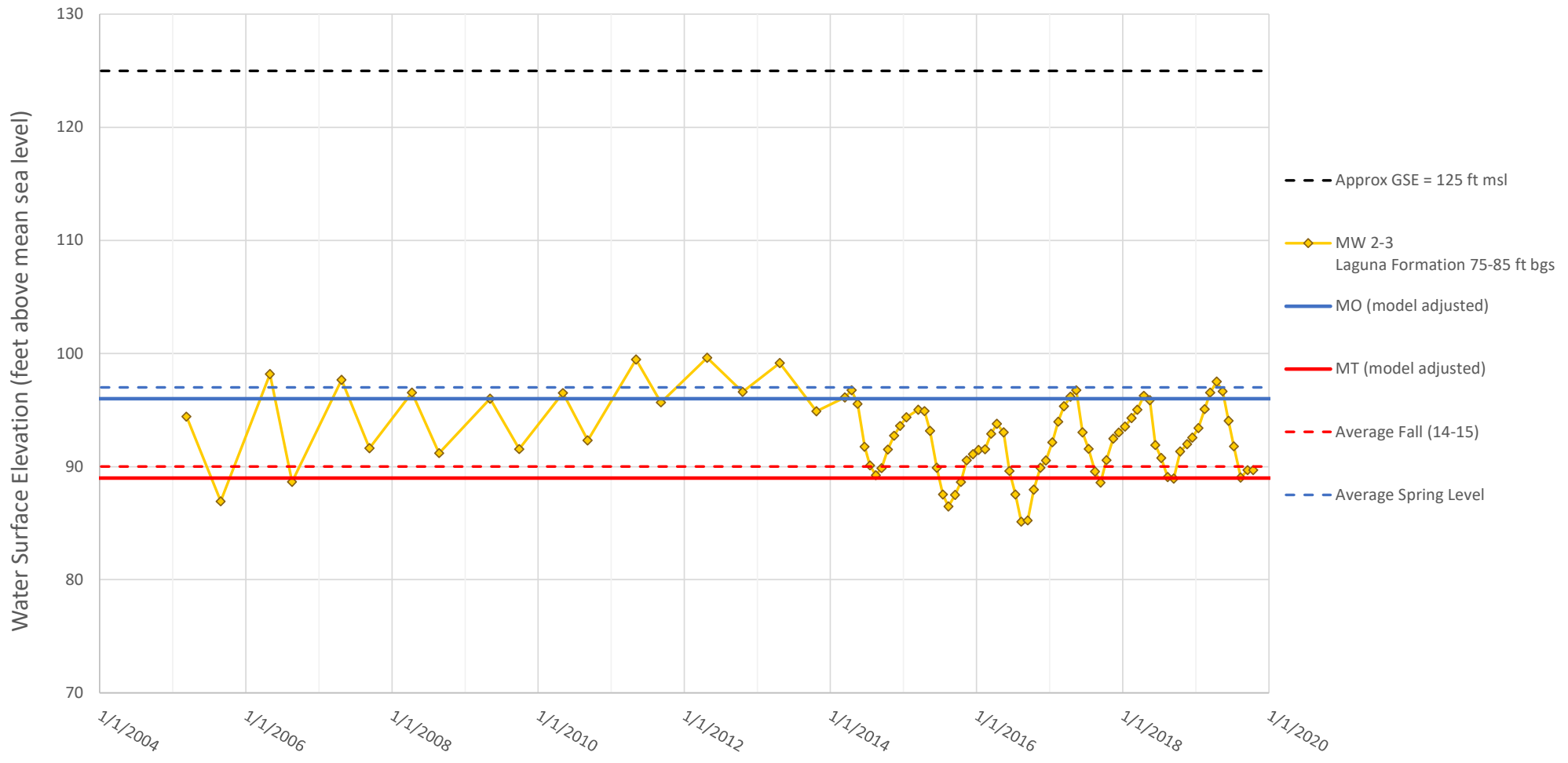
- - - Average Spring Level

Representative Well Local Well No. 71 - WCMSS

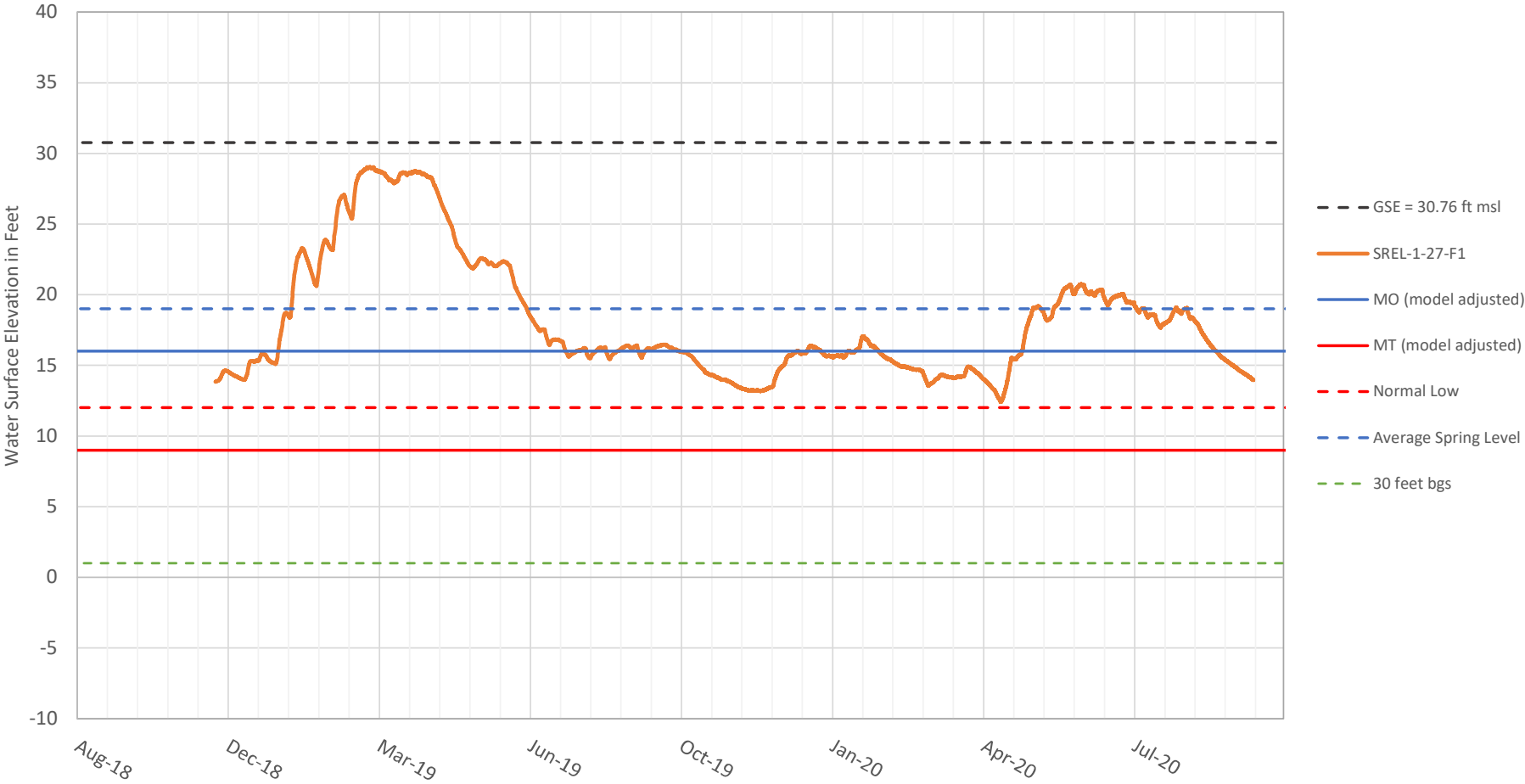


Representative Well

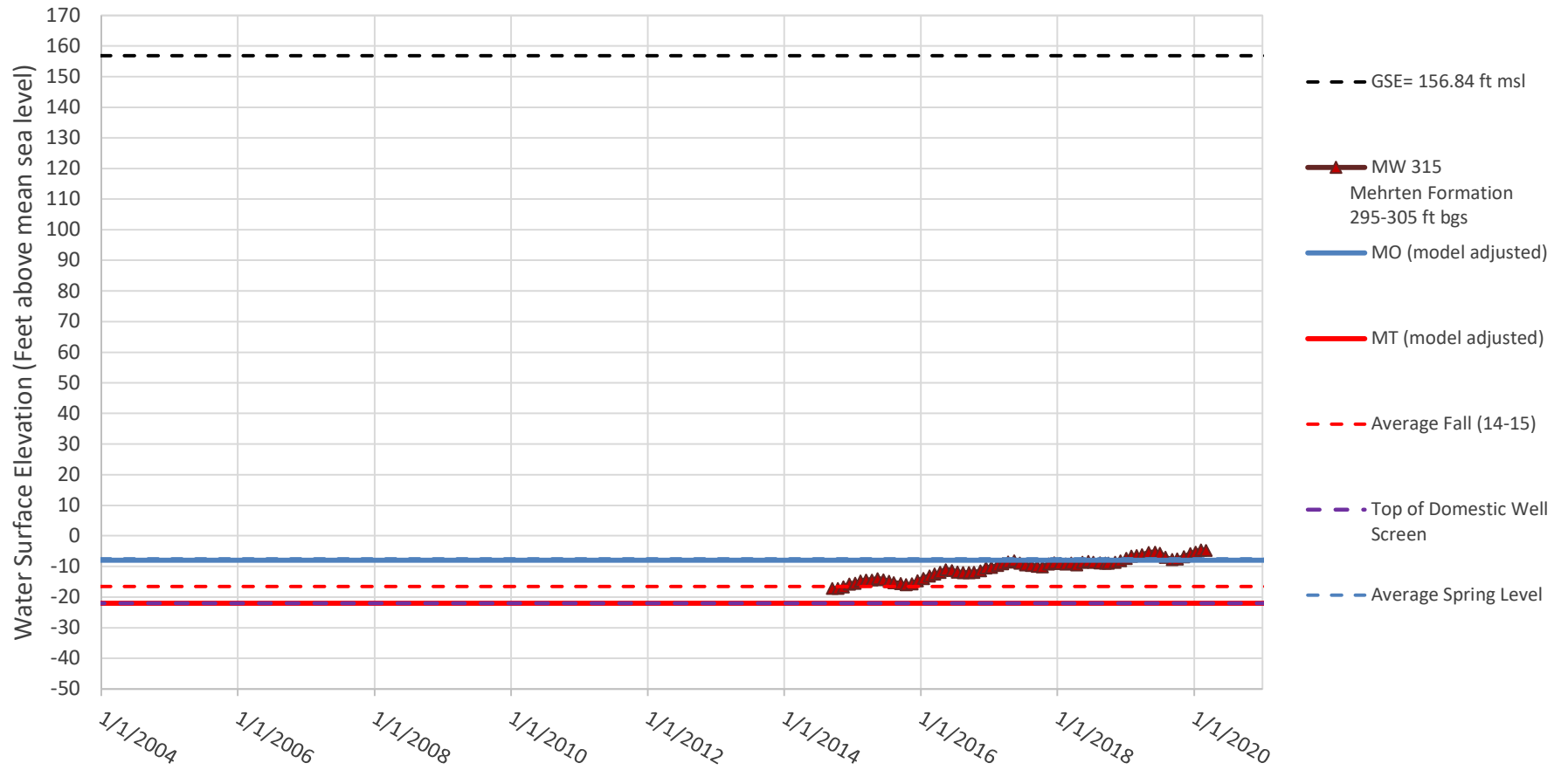
Local Well No. 75 - MW 2-3



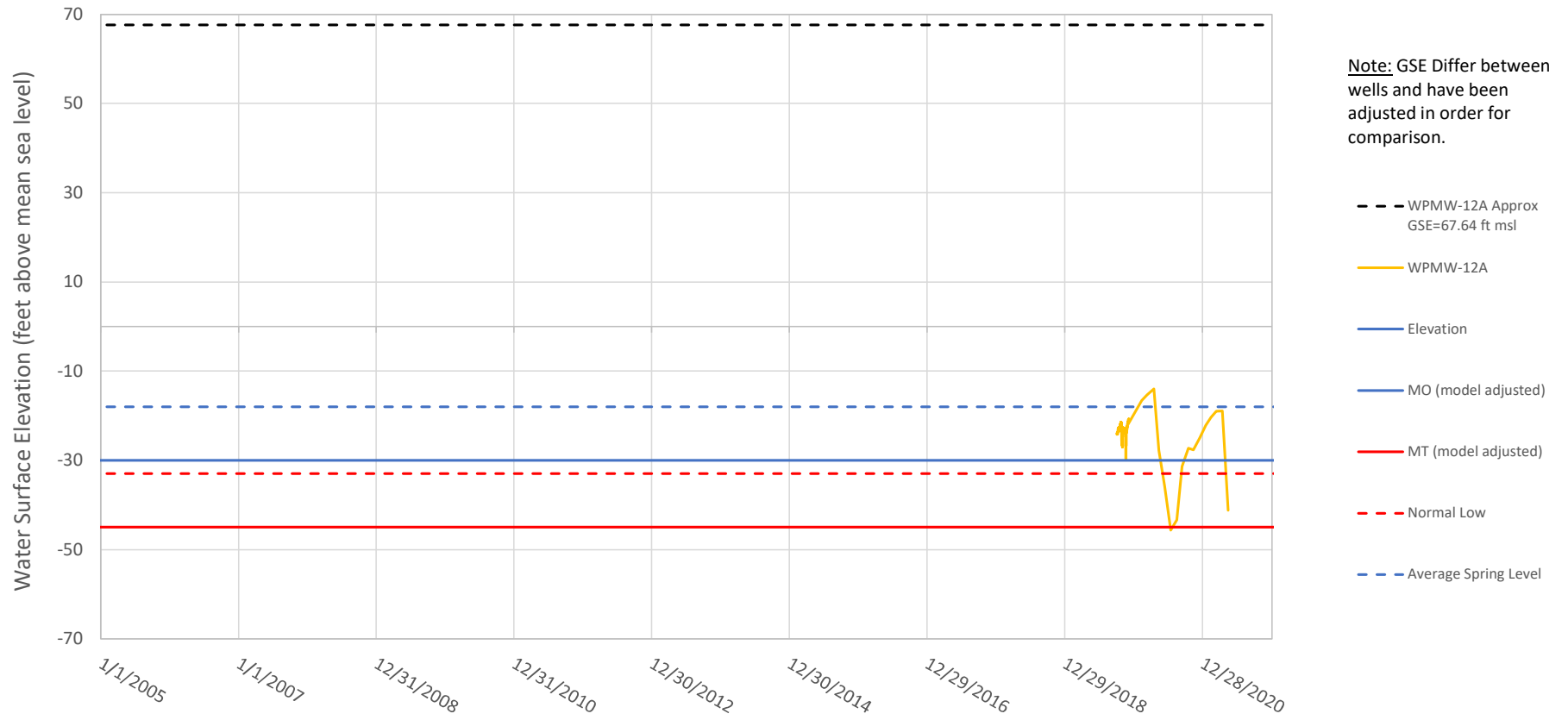
Representative Well
Local Well No.77 - SREL-1-27-F1



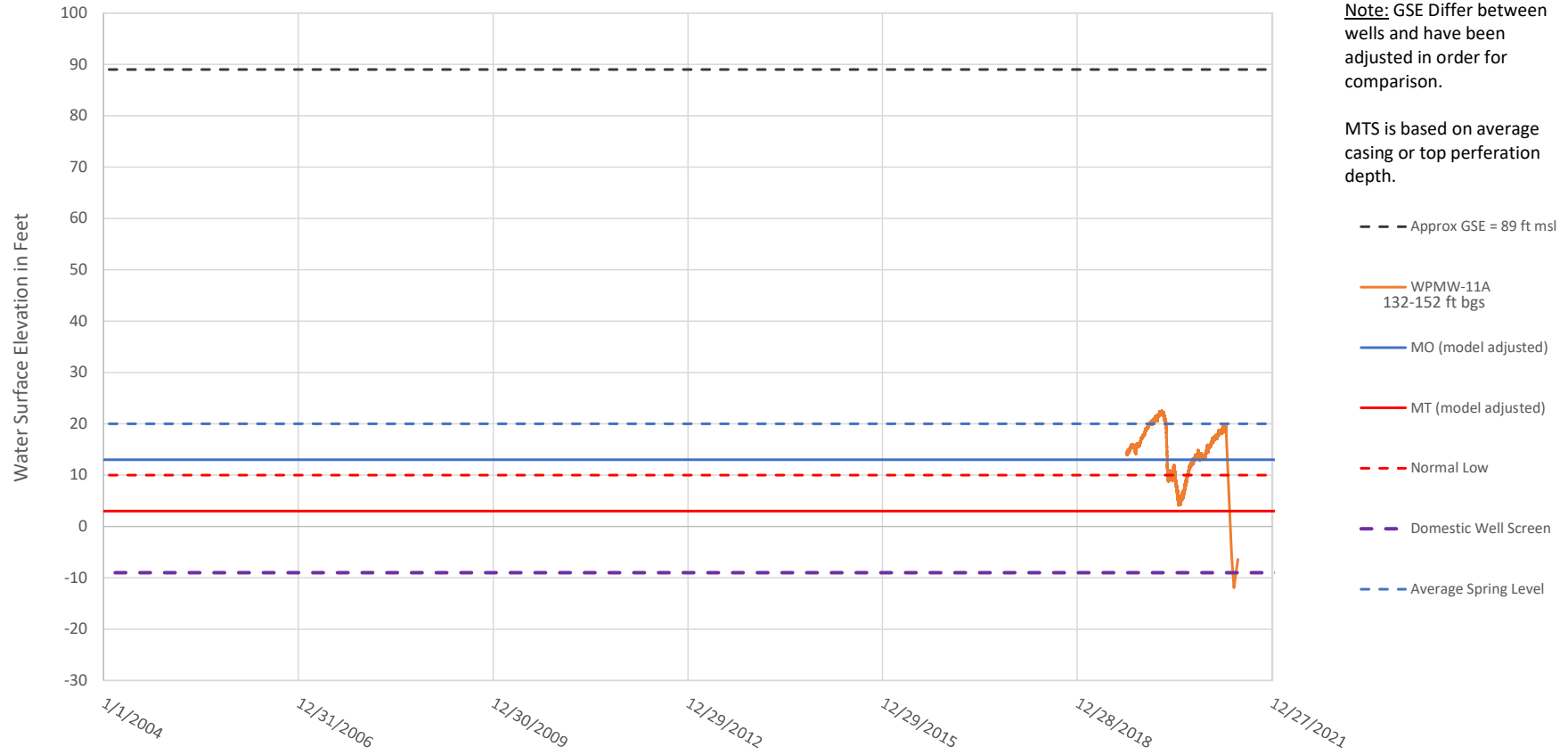
Representative Well
Well No.89 - Roseview 315



Representative Well Local Well No.90 - WPMW-12A



Representative Well Well No. 91 - WPMW-11A



Note: GSE Differ between wells and have been adjusted in order for comparison.

MTS is based on average casing or top perforation depth.

-- -- Approx GSE = 89 ft msl

— WPMW-11A
132-152 ft bgs

— MO (model adjusted)

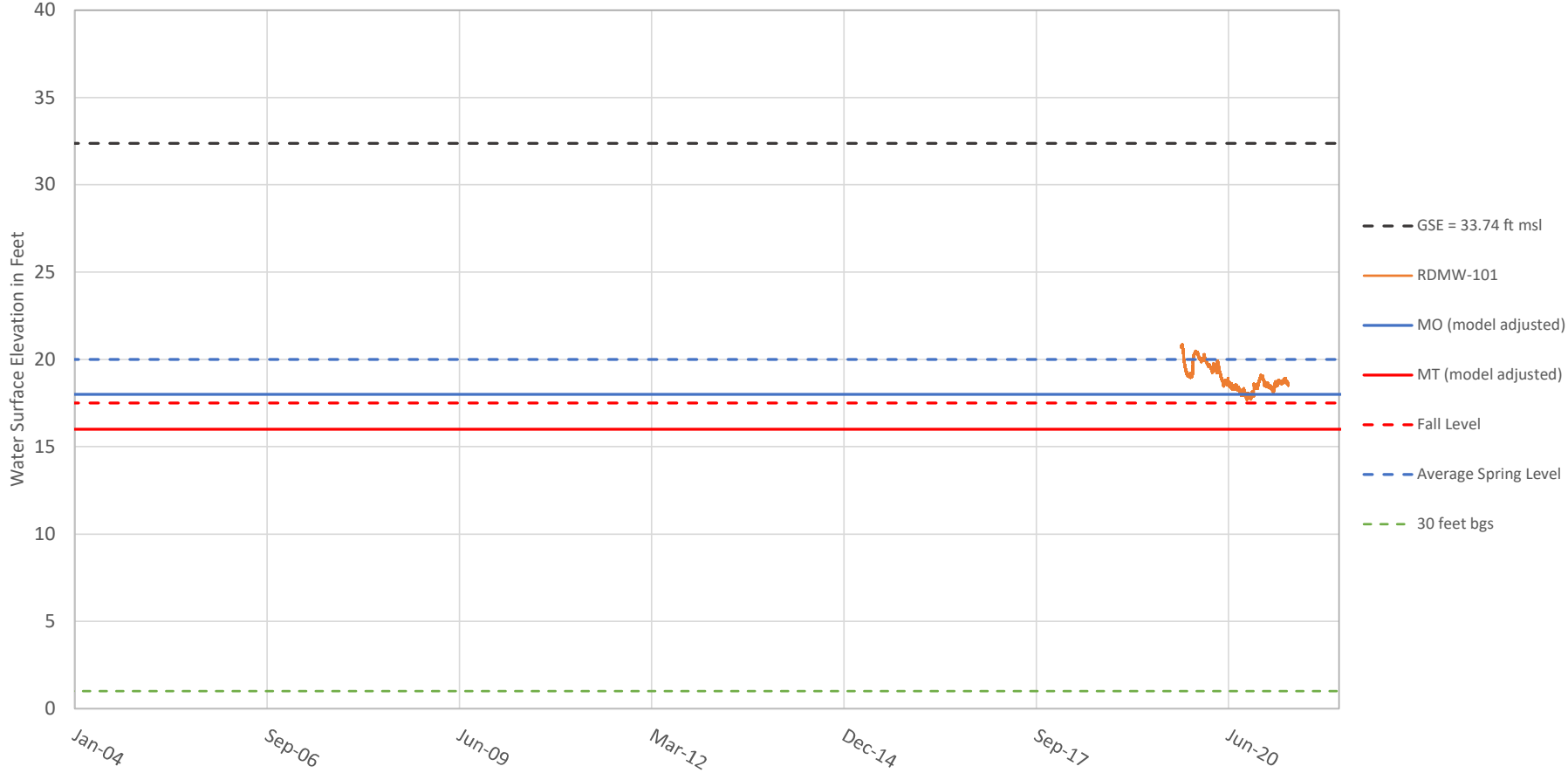
— MT (model adjusted)

- - - Normal Low

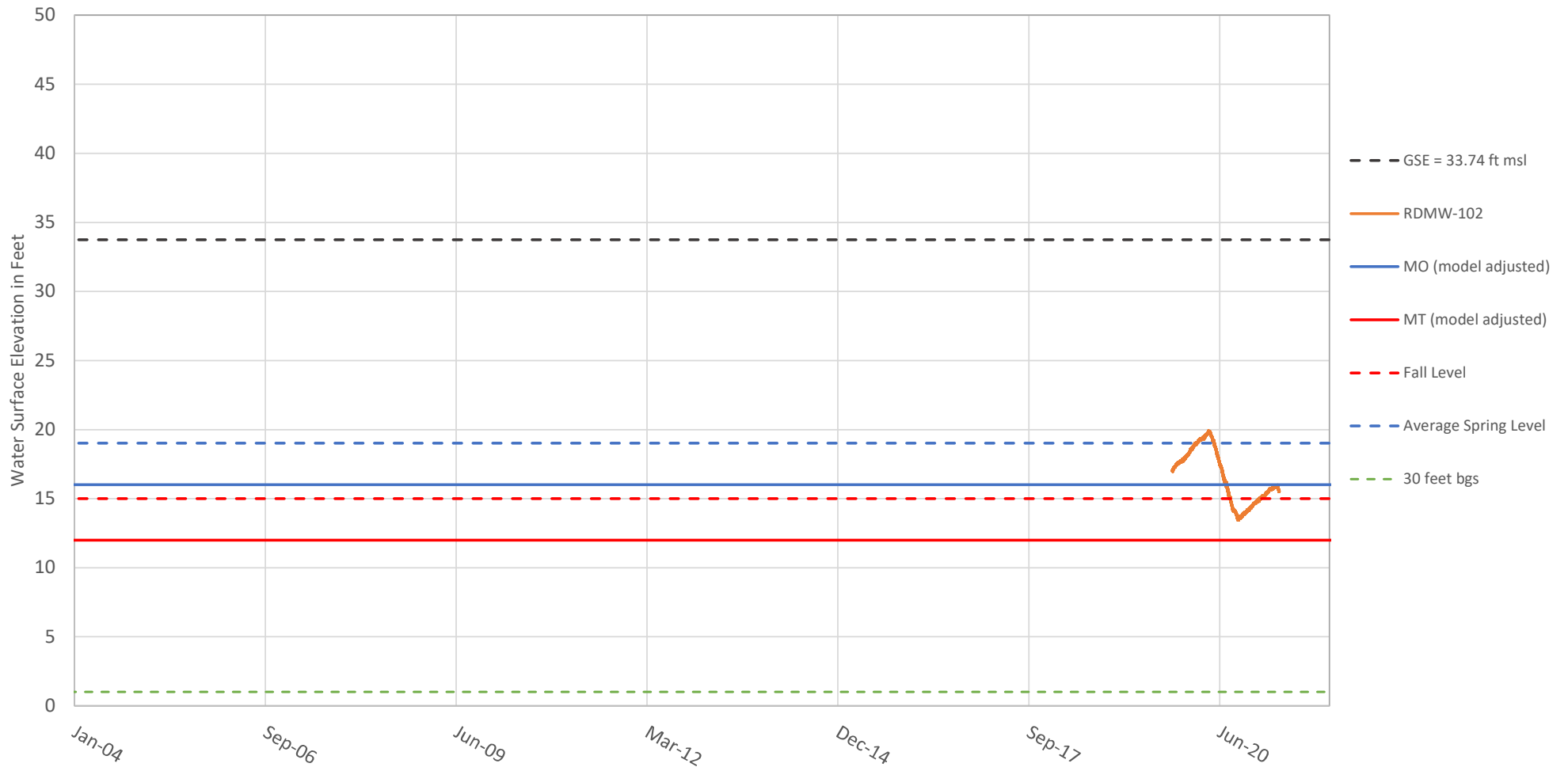
- - - Domestic Well Screen

- - - Average Spring Level

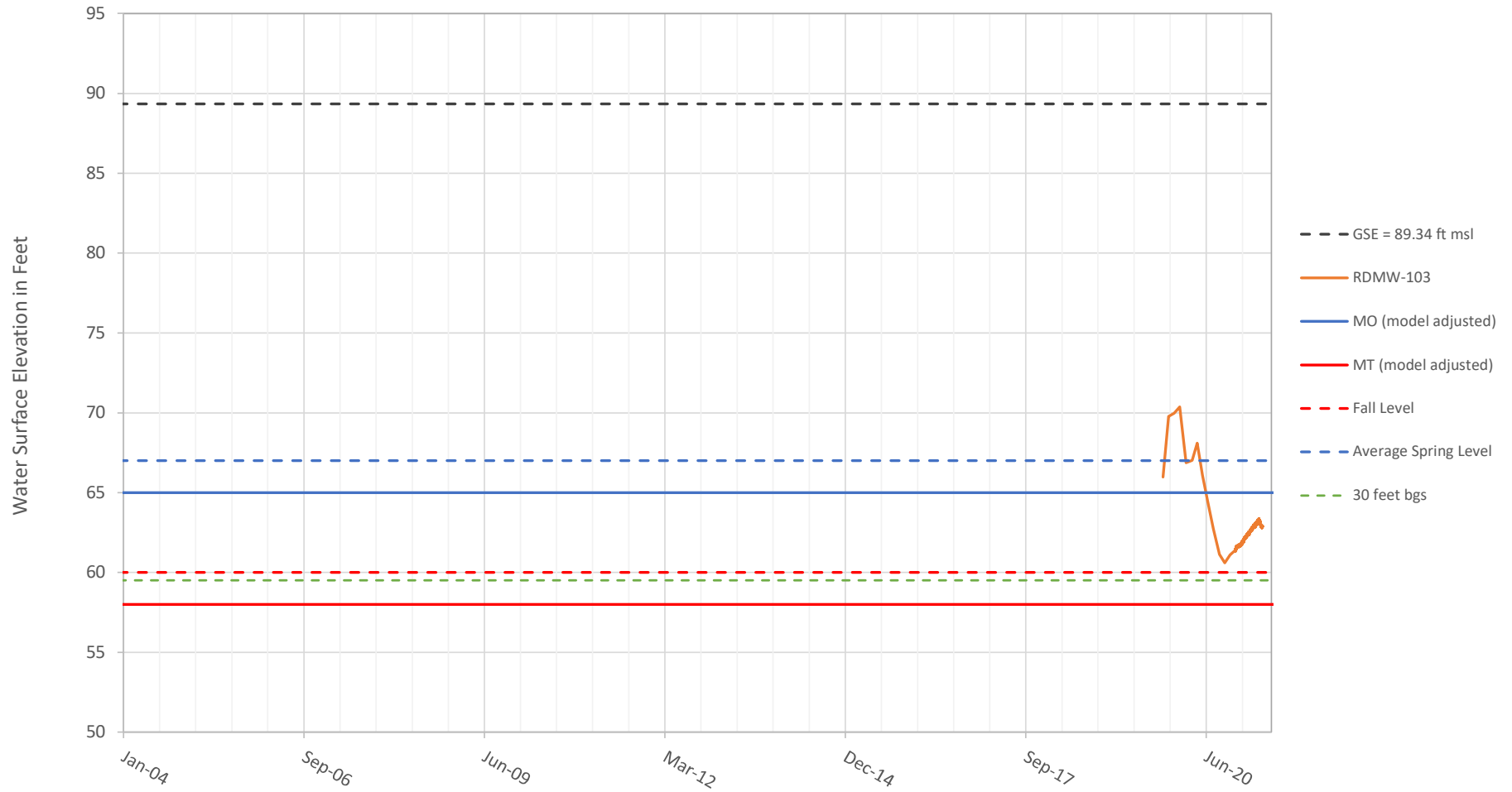
Representative Well
Local Well No.92 - RDMW-101



Representative Well
Local Well No.93 - RDMW-102



Representative Well Local Well No.94 - RDMW-103

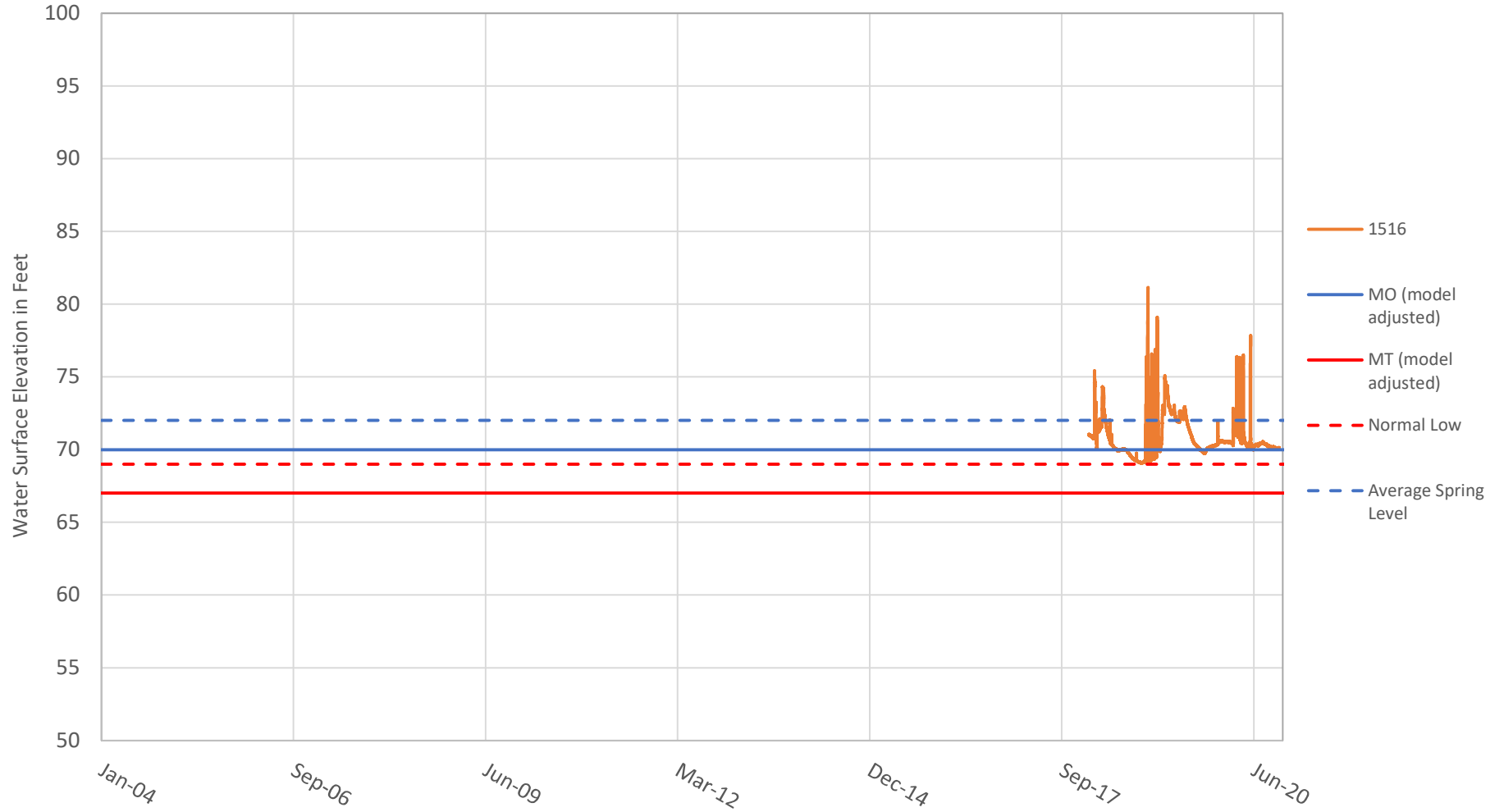


Representative Well

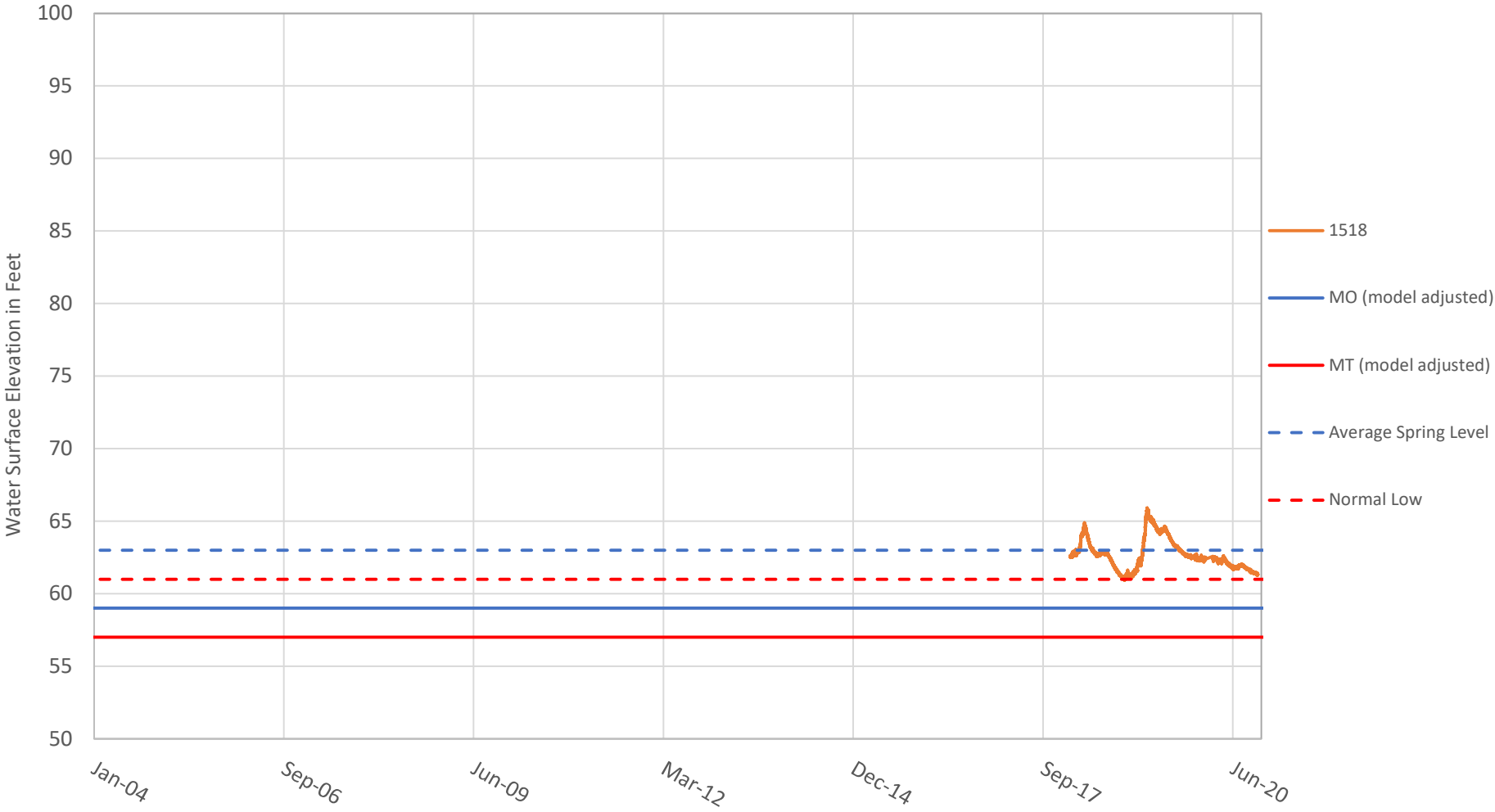
Local Well No.95 - RDMW-104



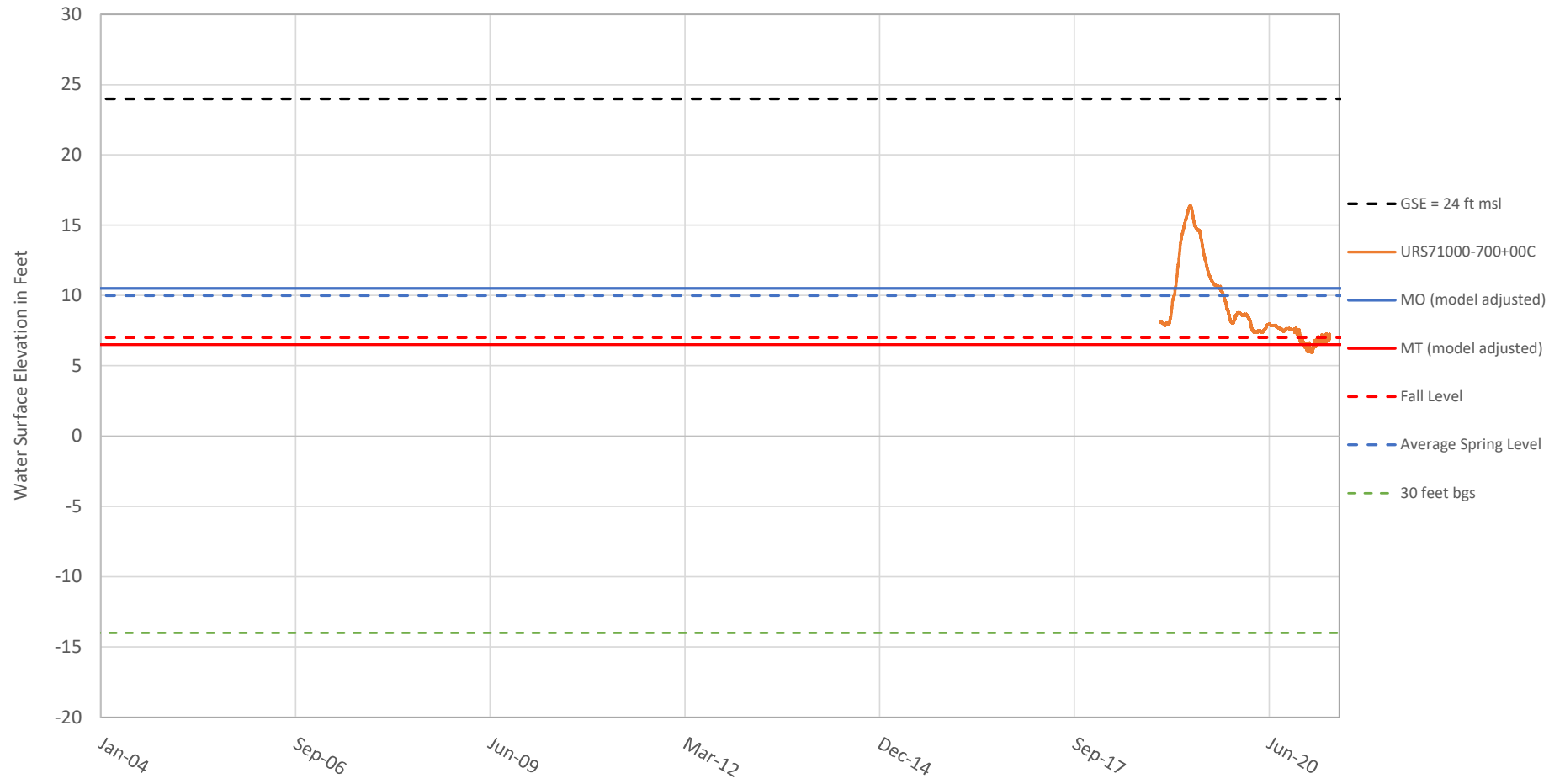
Representative Well
Local Well No.96 - 1516



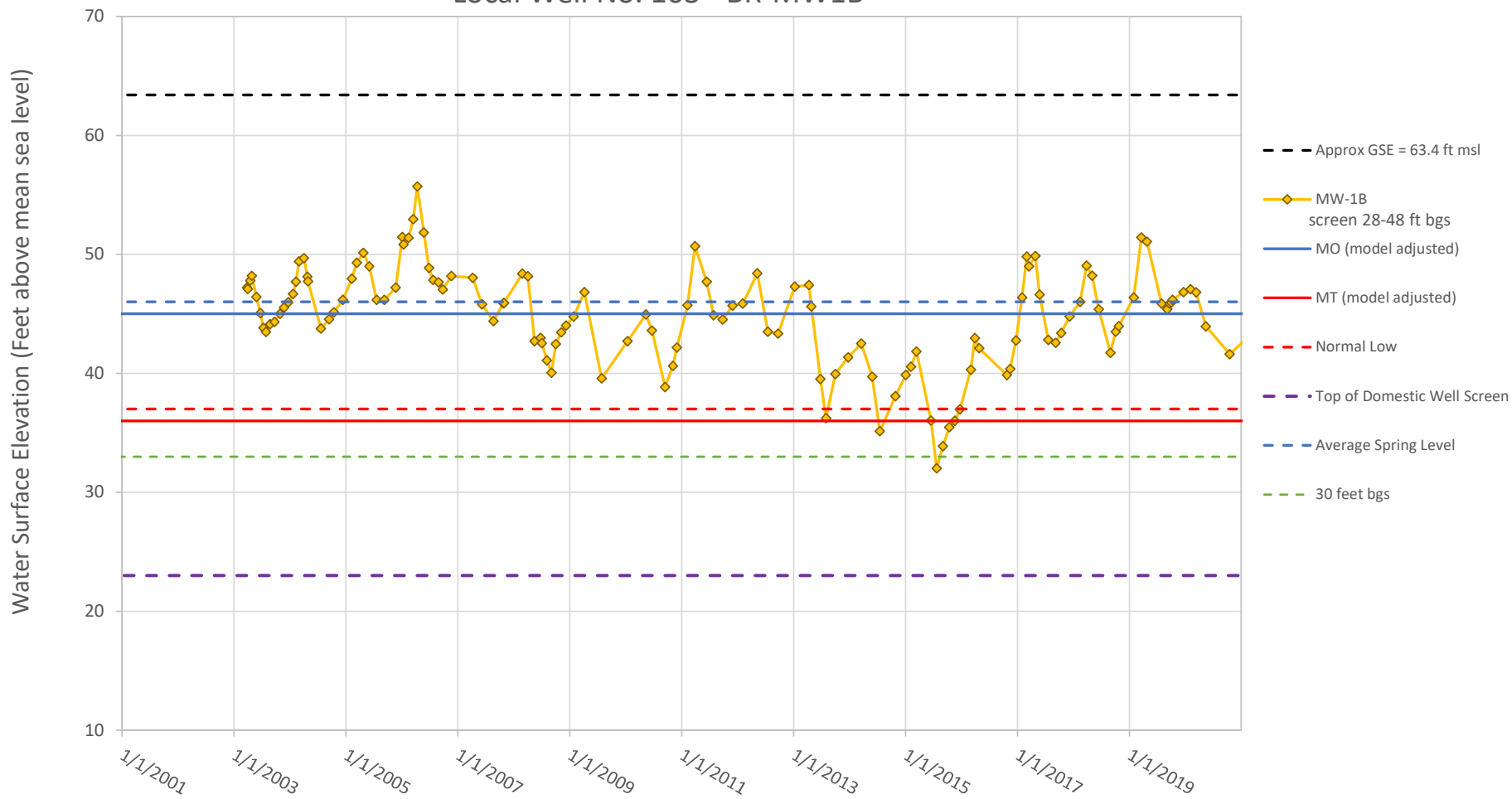
Representative Well
Local Well No.97 - 1518



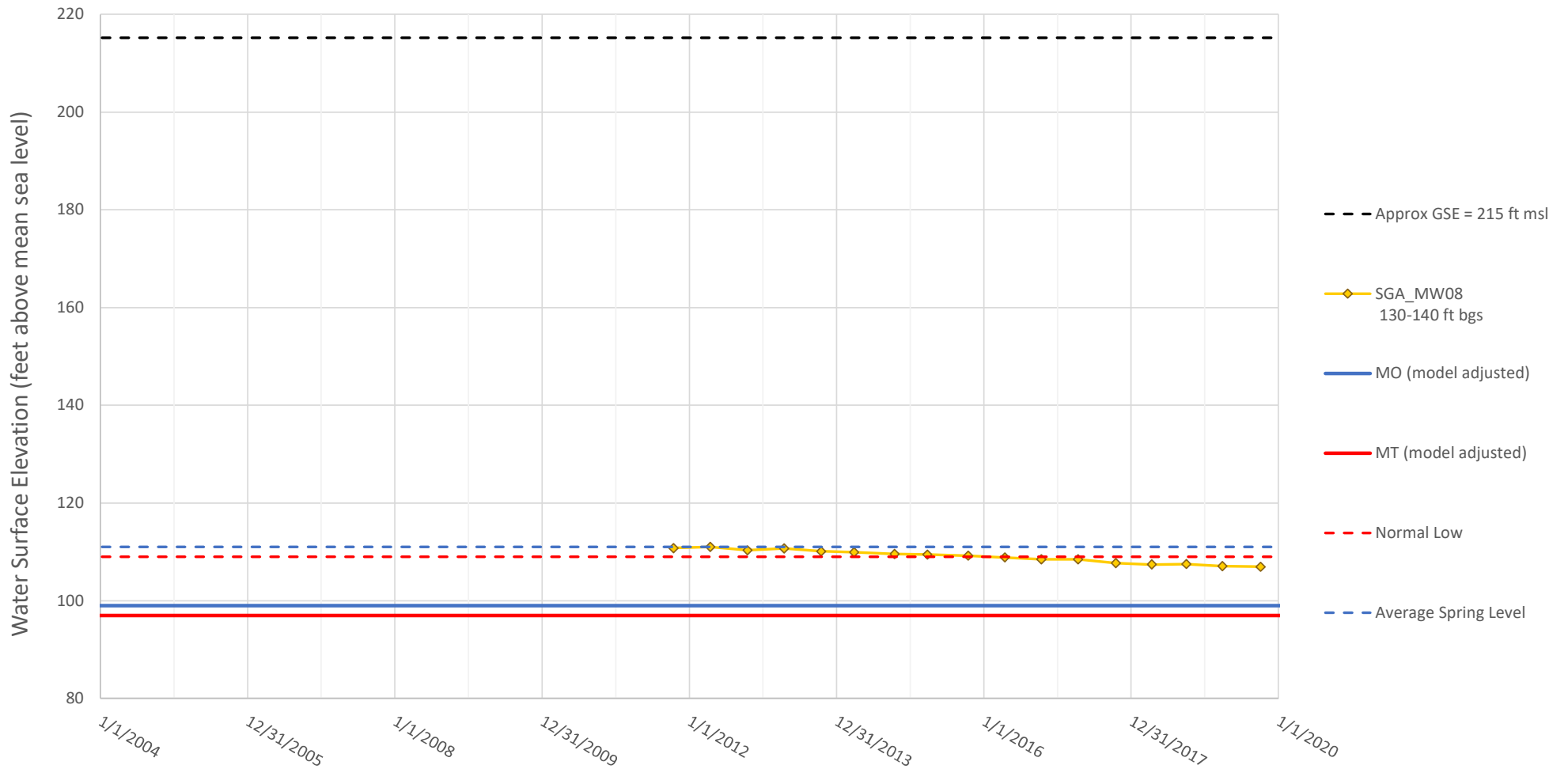
Representative Well
Local Well No.98 - URS71000-700+00C



Representative Well Local Well No. 103 - BR-MW1B

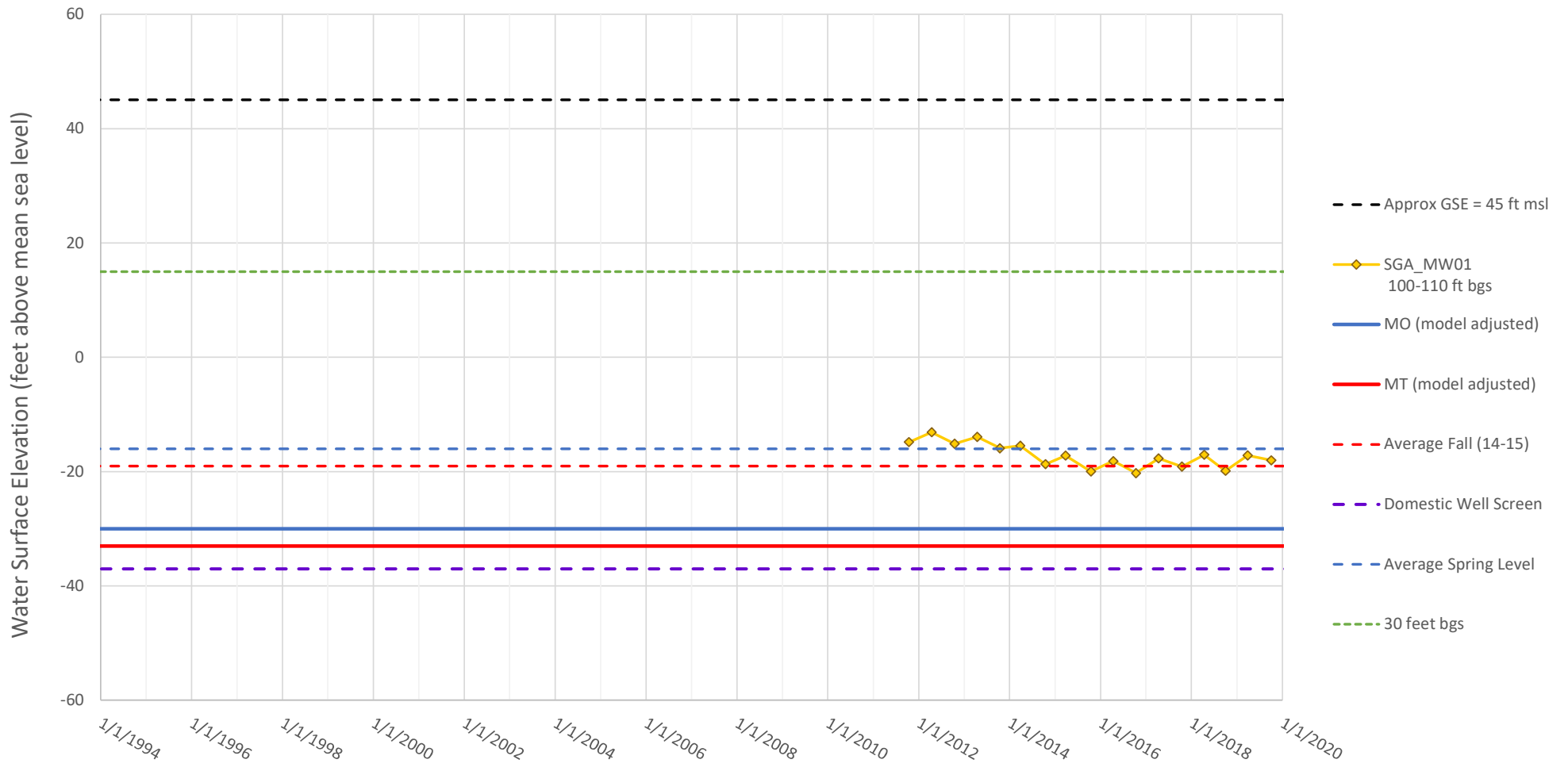


Representative Well Local Well No. 104 - SGA_MW08



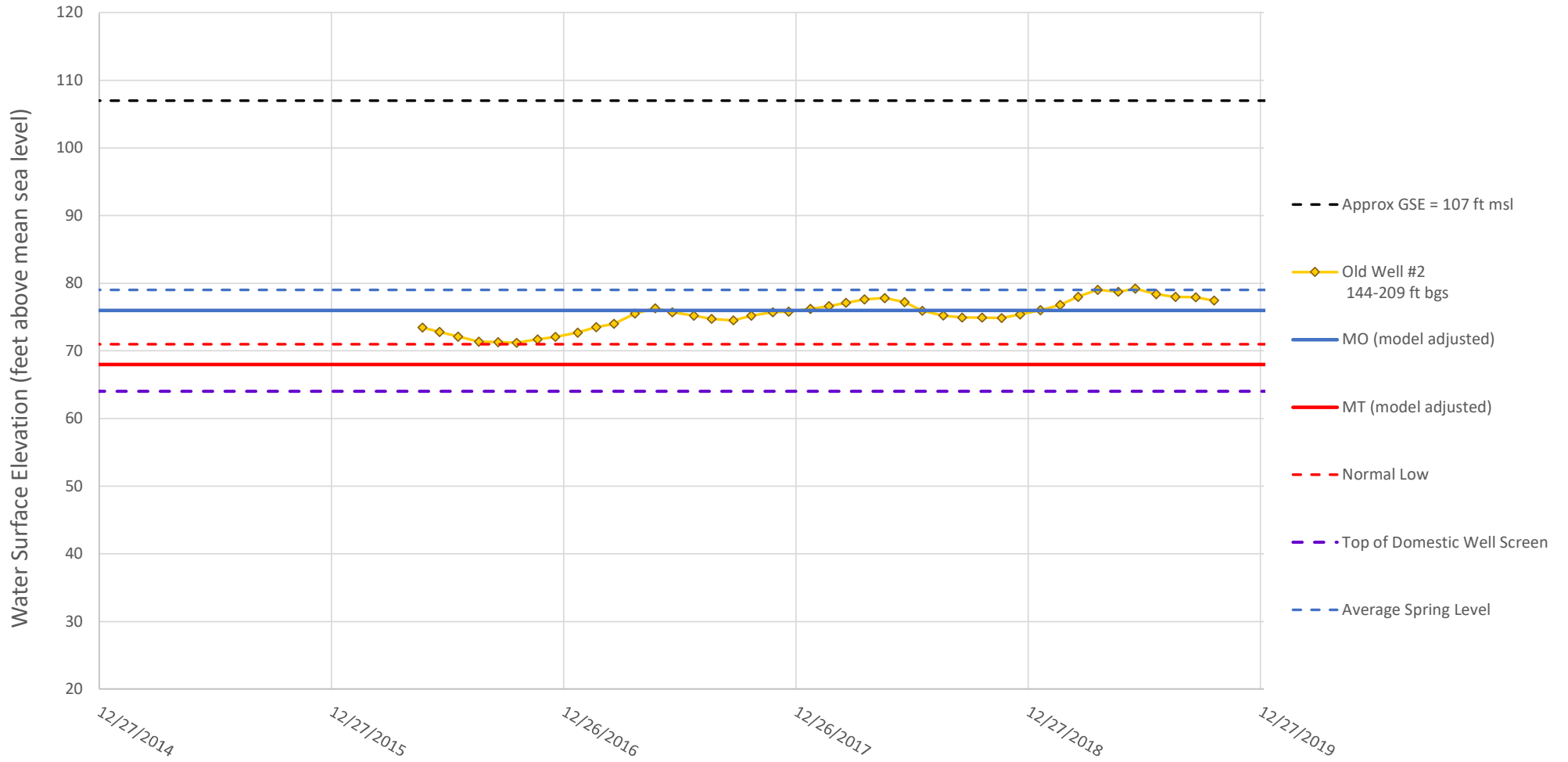
Representative Well

Local Well No. 109 - SGA_MW01



Representative Well

Local Well No. 116 - Old Well #2



Representative Well

Local Well No. 126 - 384330121293901 (010N004E13F001M)

