

Appendix J: Vertical Gradients

NORTH AMERICAN SUBBASIN GROUNDWATER SUSTAINABILITY PLAN




APPENDIX J Vertical Gradient Hydrographs

December 2021

APPENDIX J

VERTICAL GRADIENTS HYDROGRAPHS

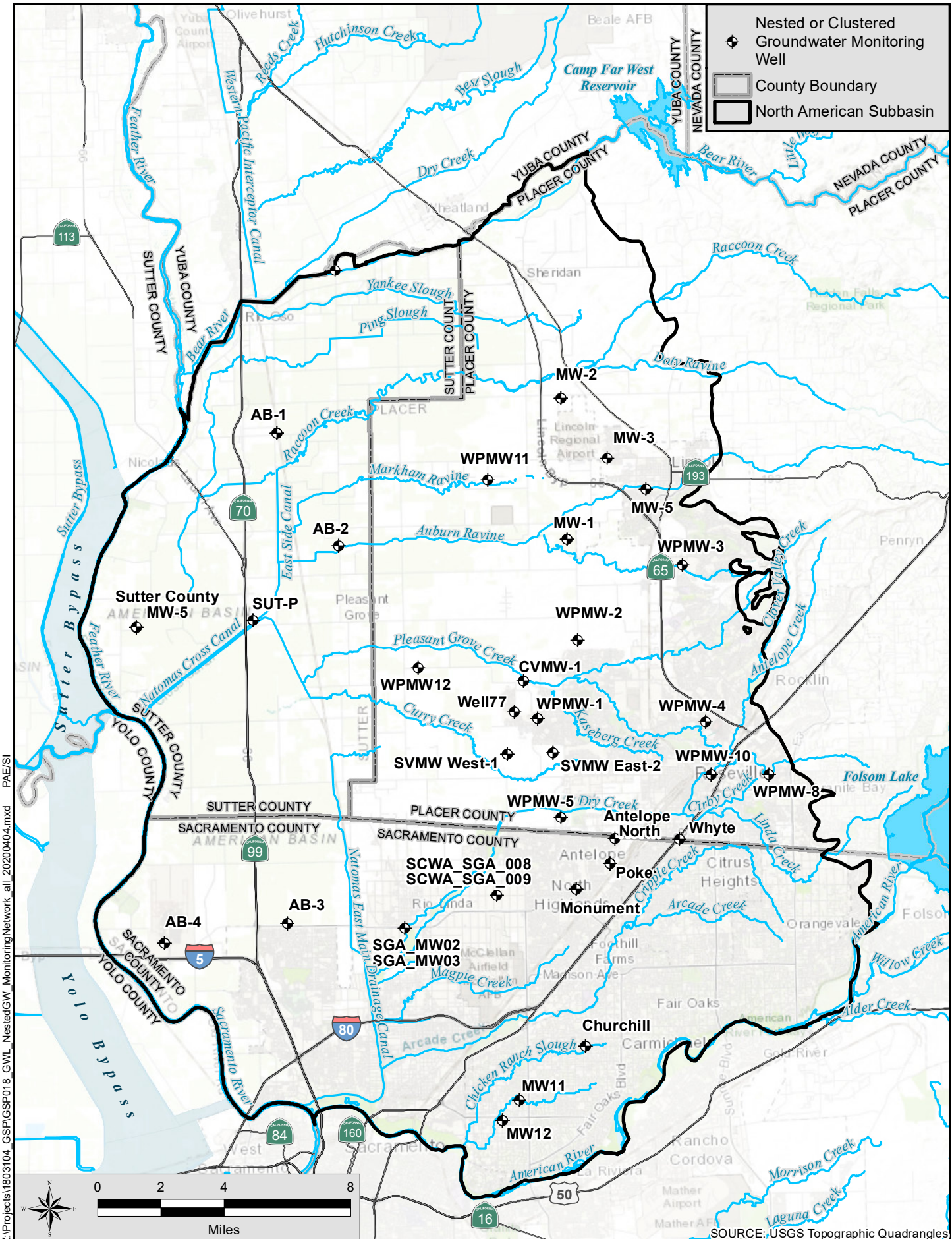
LEGEND:

	Laguna Formation Wells
	Mehrten Formation Wells
	Ione or Central Valley Fm. Wells

Short Term Hydrographs

Years Displayed	2004 to 2019
	Unless otherwise noted
Vertical Axis	50 feet
	Unless otherwise noted

Groundwater levels from multiple aquifers shown



Z:\Projects\1803104_GSP\GSP018_GWL_NestedGW_MonitoringNetwork_all_20200404.mxd PAE/SI

SOURCE: USGS Topographic Quadrangles

North American Subbasin
Sutter, Placer and Sacramento Counties

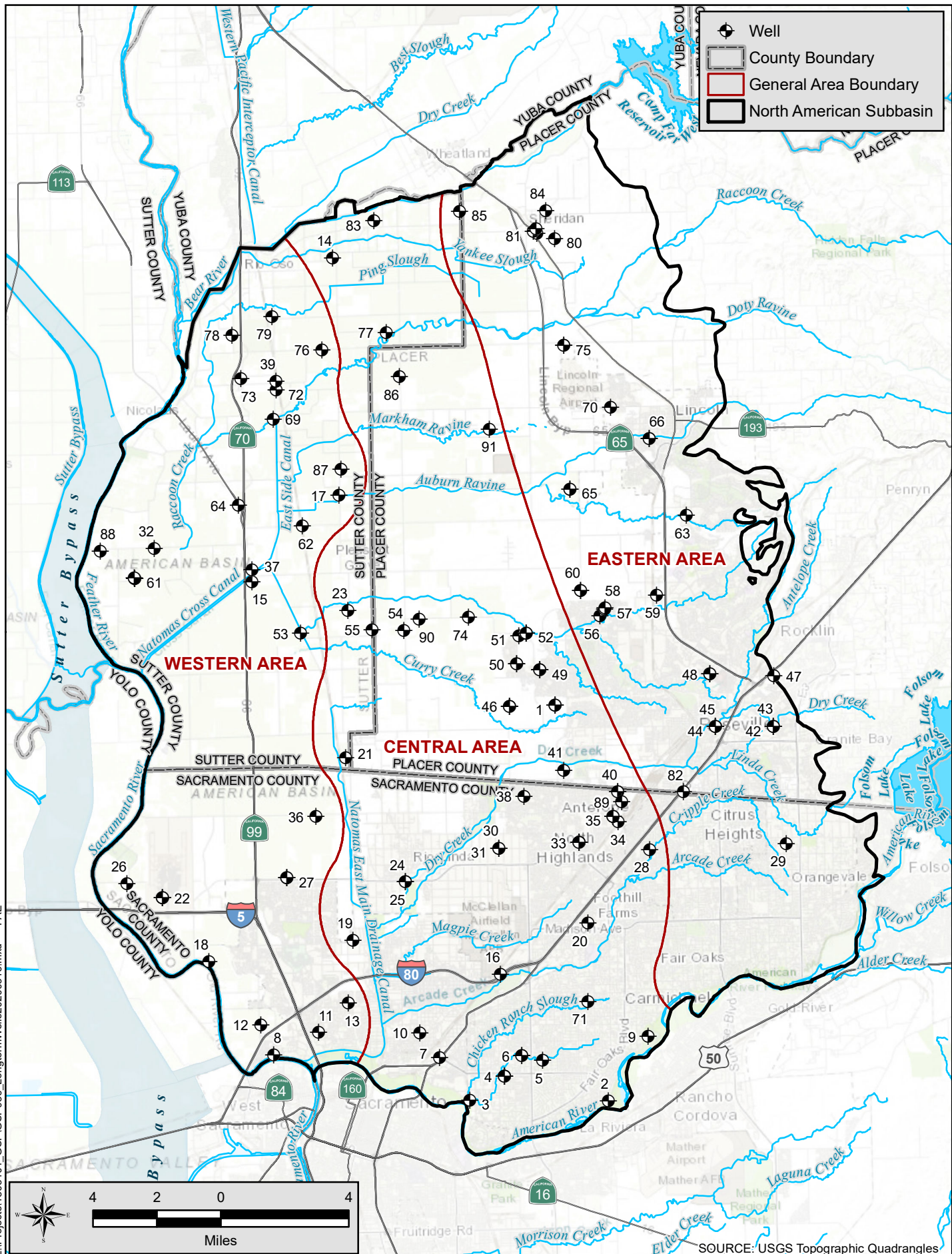


Nested and Clustered
Groundwater Monitoring Wells

North American Subbasin

APRIL 2020

FIGURE 4



18-Mar-2020 Z:\Projects\1803104_GSP\GIS\SP036_LongtermWells20200316.mxd PAE

SOURCE: USGS Topographic Quadrangles

North American Subbasin
Sutter, Placer and Sacramento Counties

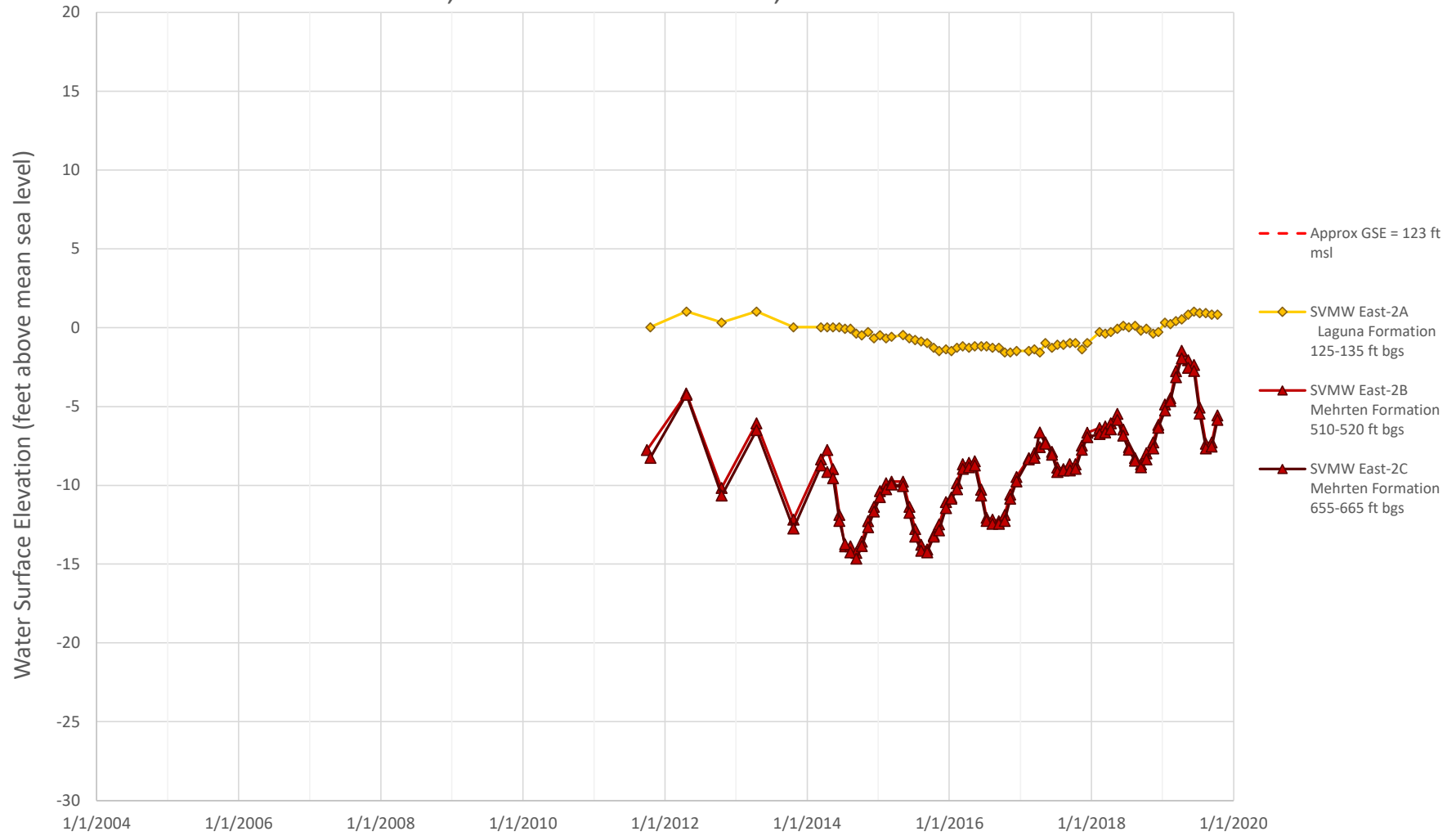


Long Term Wells

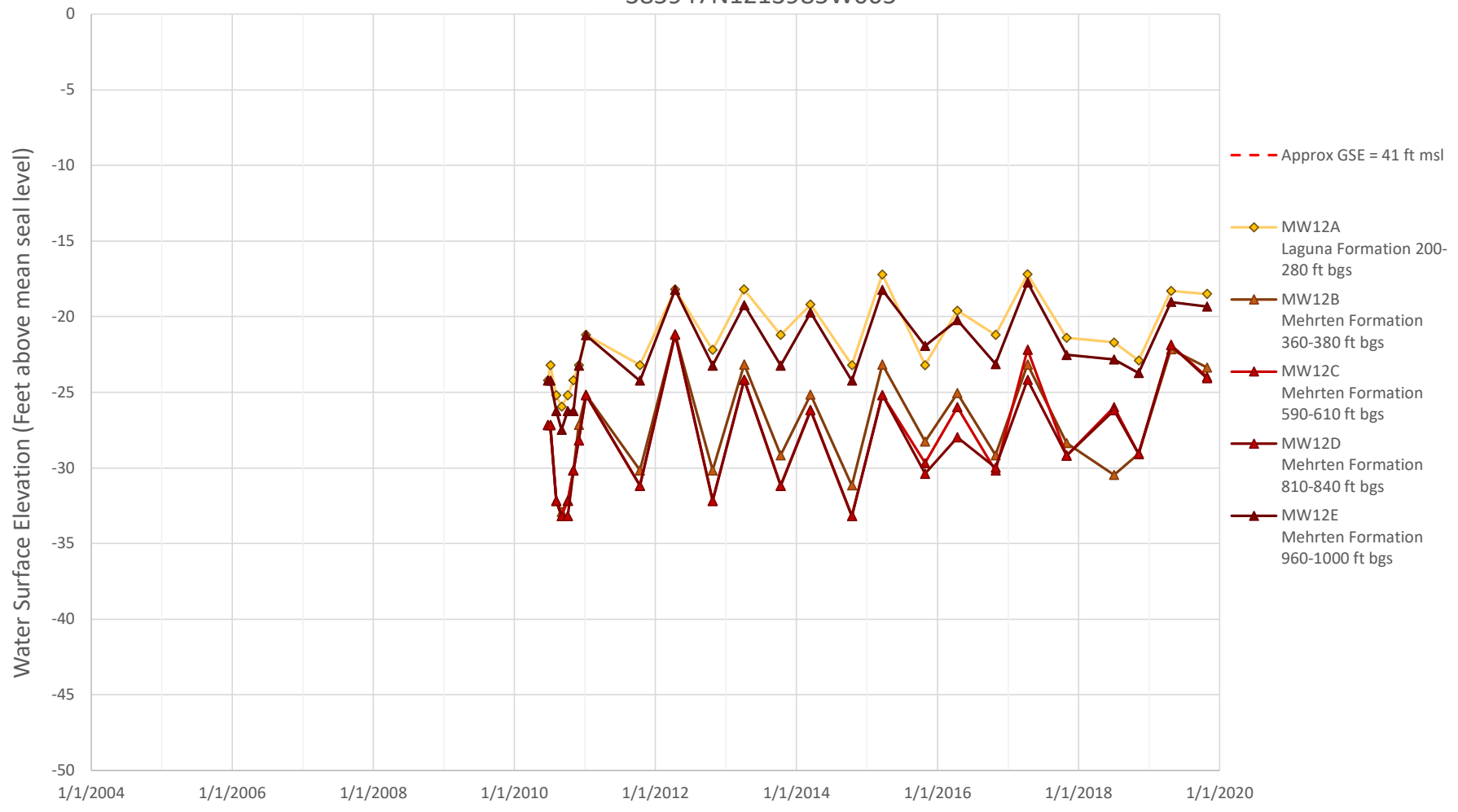
North American Subbasin

MARCH 2020

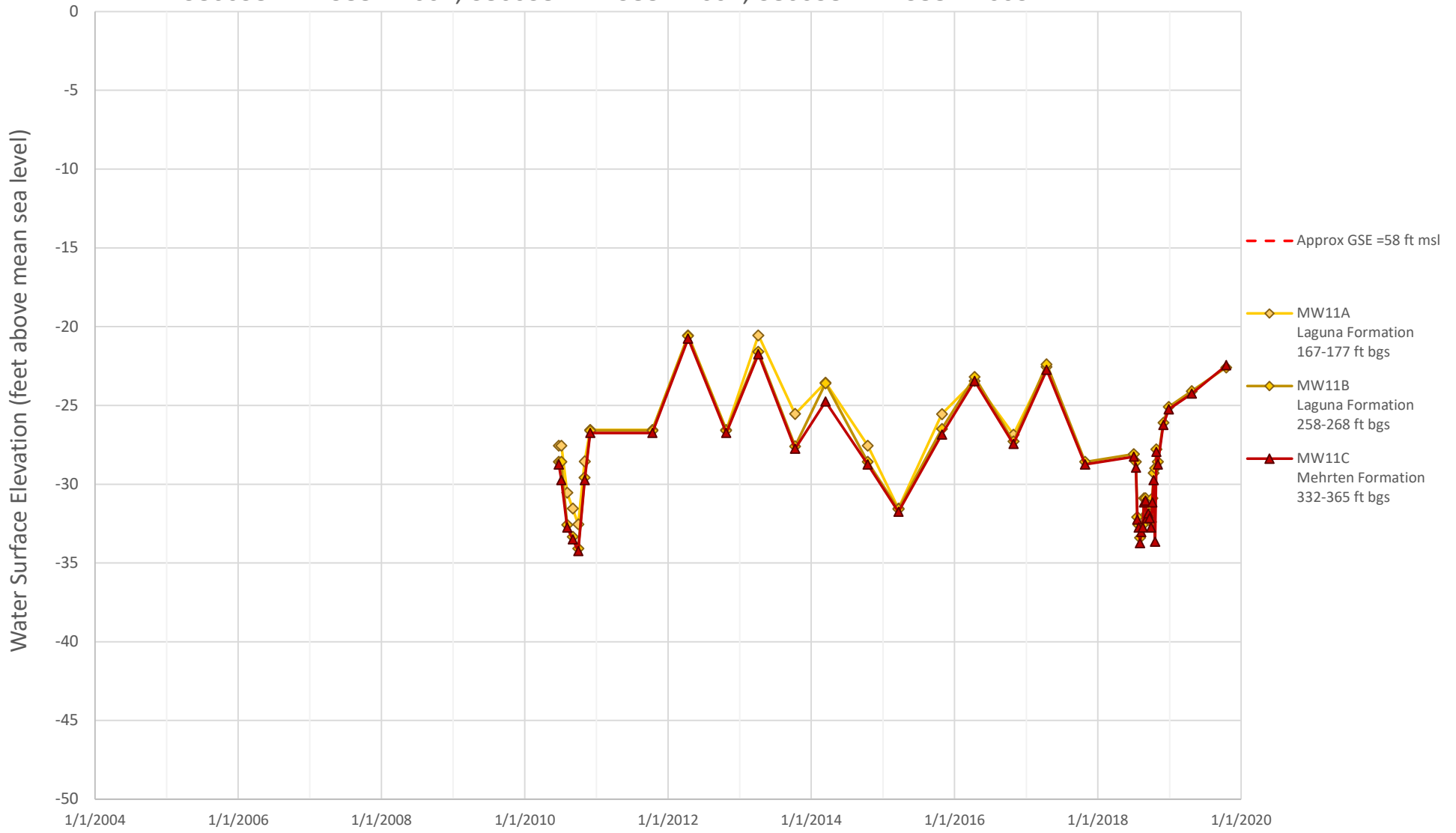
Local Well No. 01
SVMW-2 East Nested Well Hydrograph
387626N1213651W001, 381626N1213651W001, 387626N1213651W002



Local Well No. 04
 MW12 Nested Well
 385947N1213985W001, 385947N1213985W002, 385947N1213985W003, 385947N1213985W004,
 385947N1213985W005



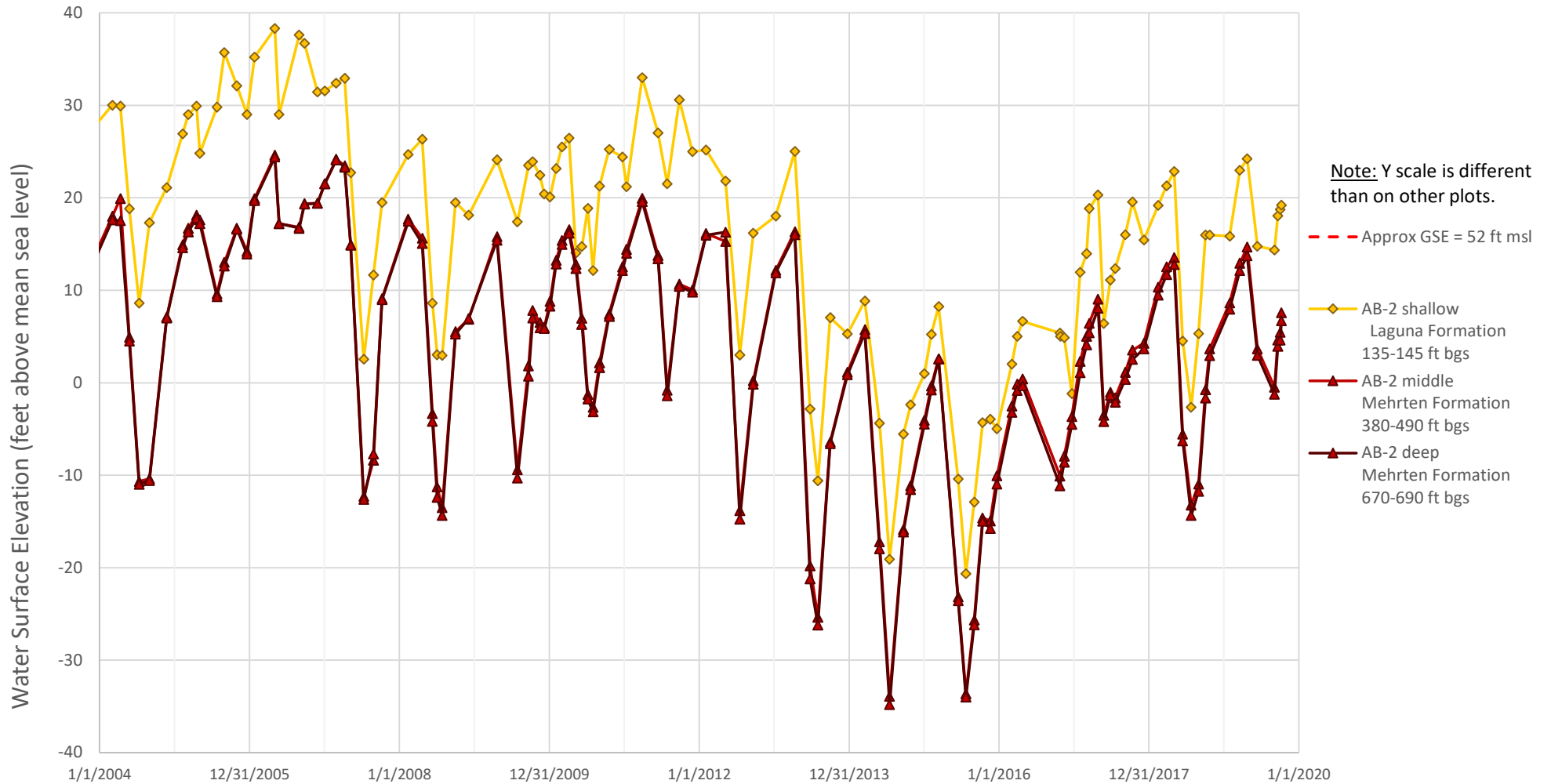
Local Well No. 06
MW11 Nested Well
386038N1213882W001, 386038N1213882W002, 386038N1213882W003



Local Well No. 17

AB-2 Nested Well

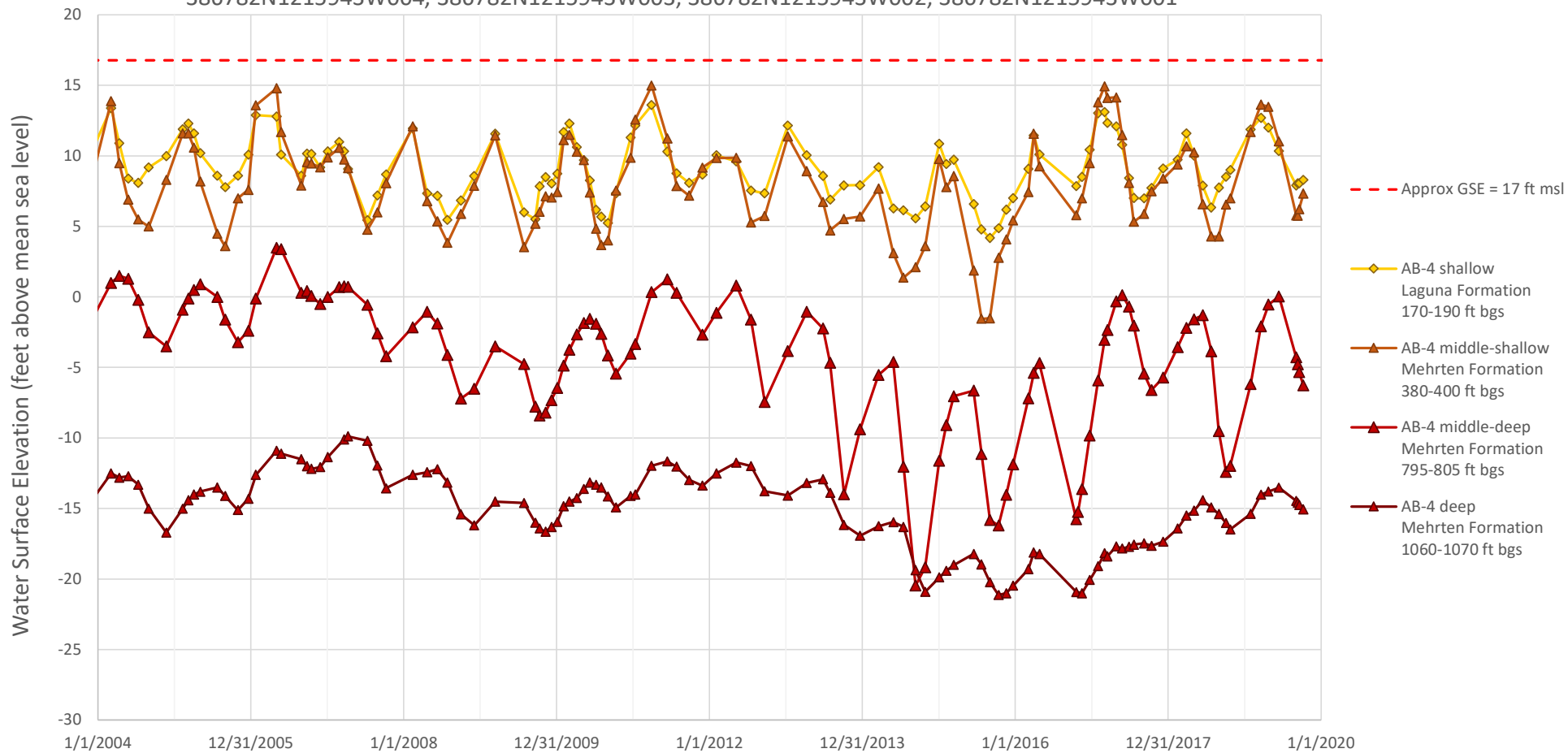
388593N1214885W003, 388593N1214885W002, 388593N1214885W001



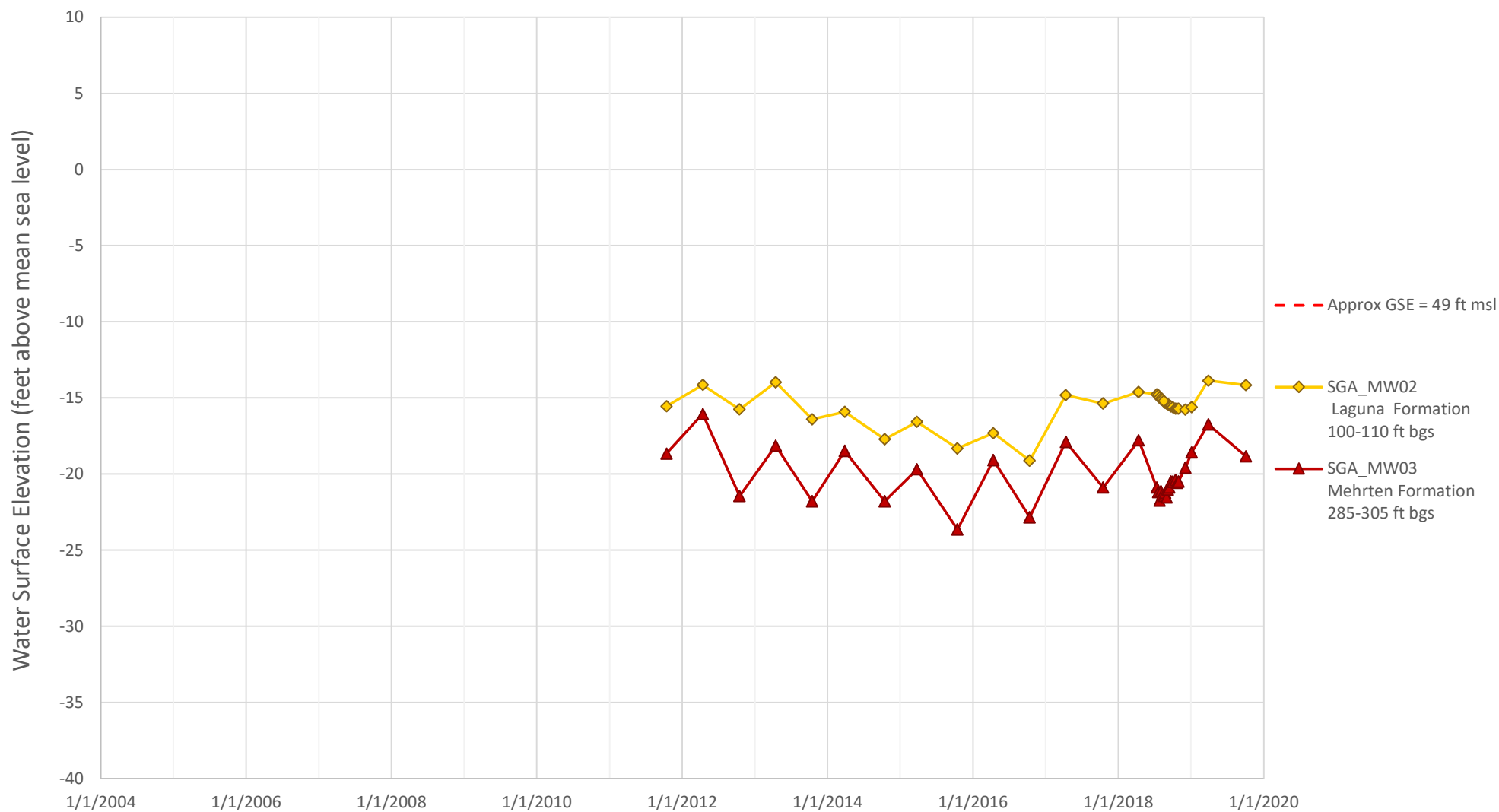
Local Well No. 22

AB-4 Nested Well

386782N1215943W004, 386782N1215943W003, 386782N1215943W002, 386782N1215943W001

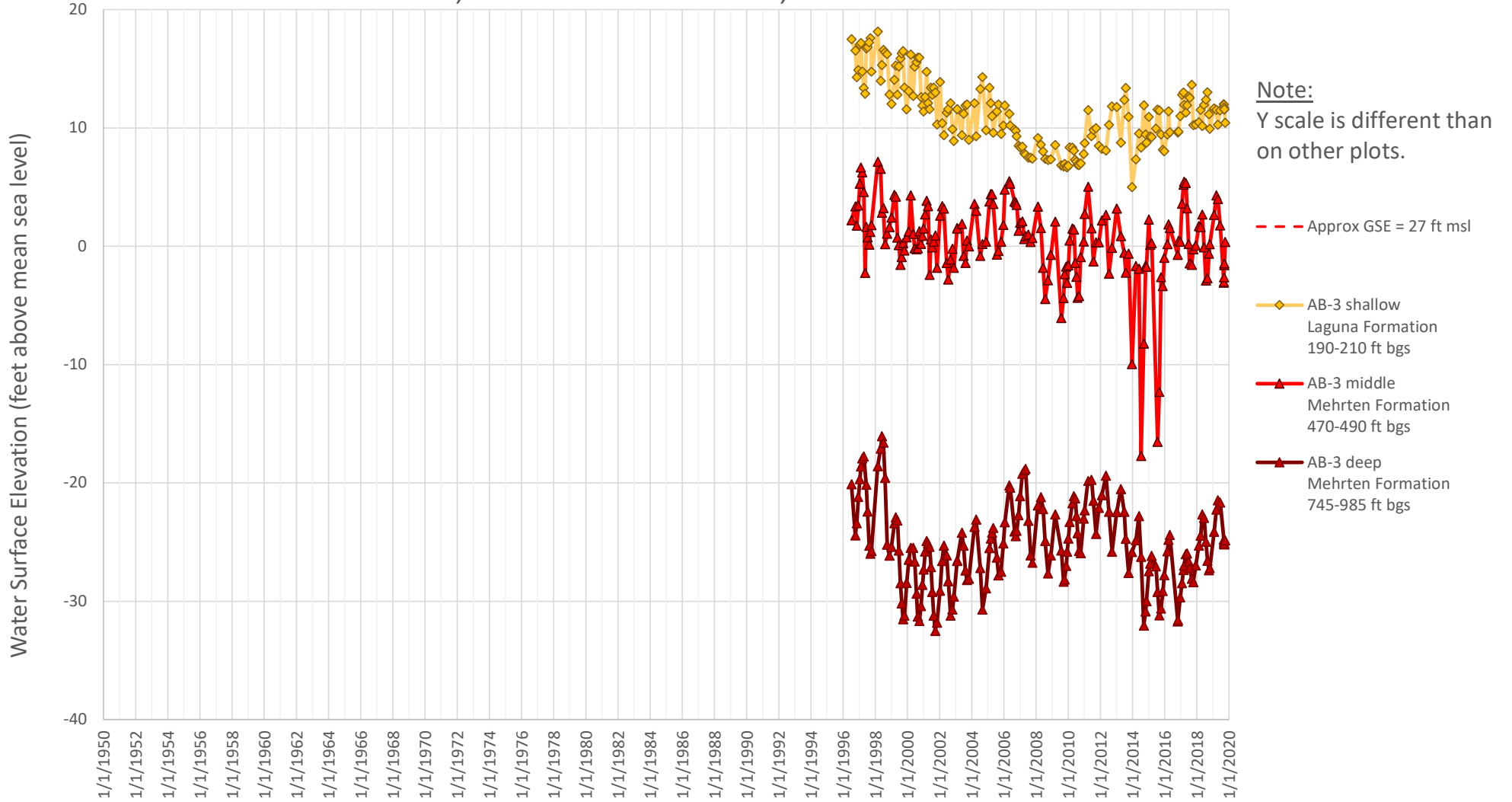


Local Well No. 24 & No. 25
SGA_MW02 & SGA_MW03 Clustered Wells
386836N1214536W001, 386836N1214536W002

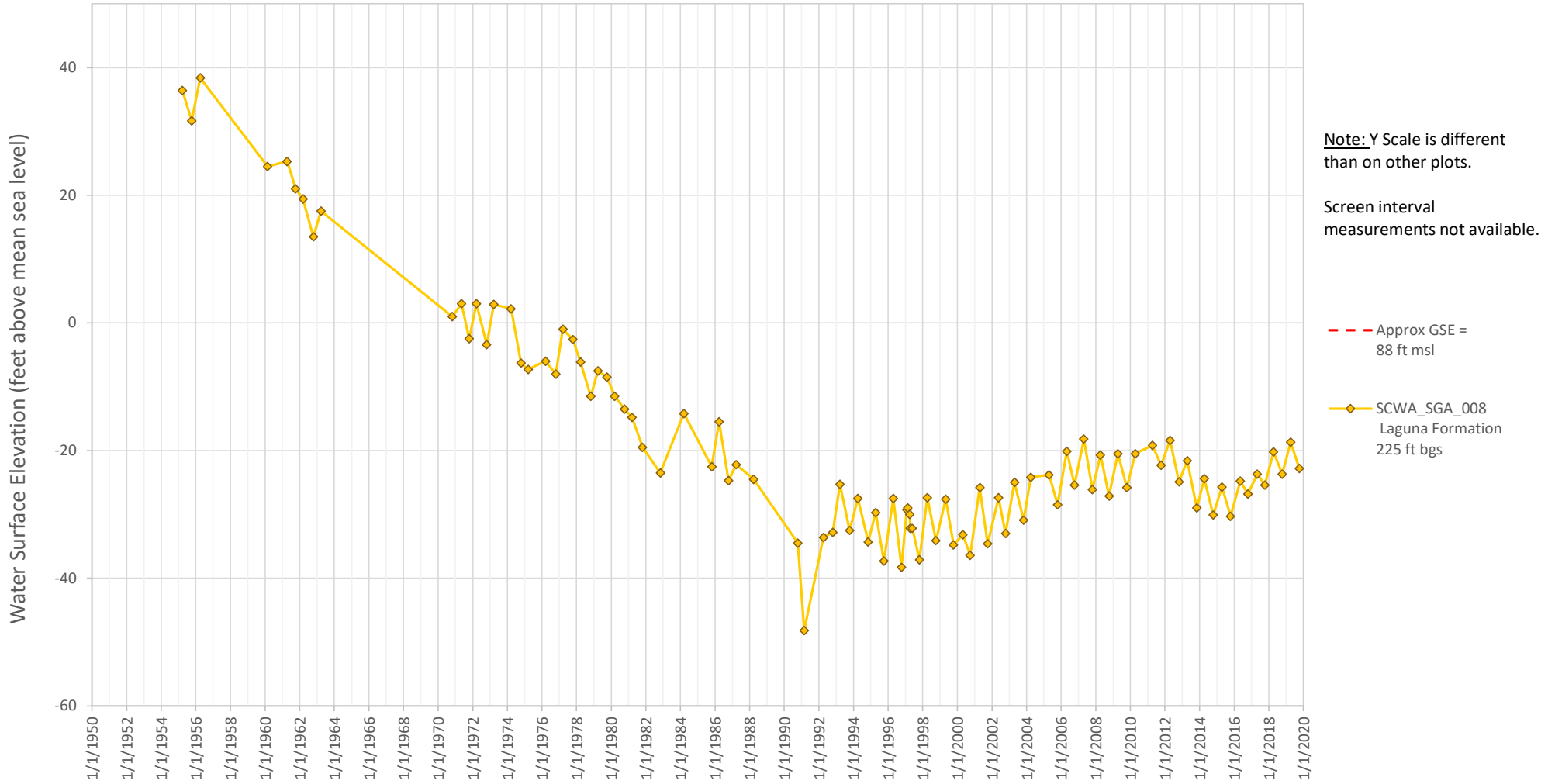


Local Well No.27
AB-3 Nested Well

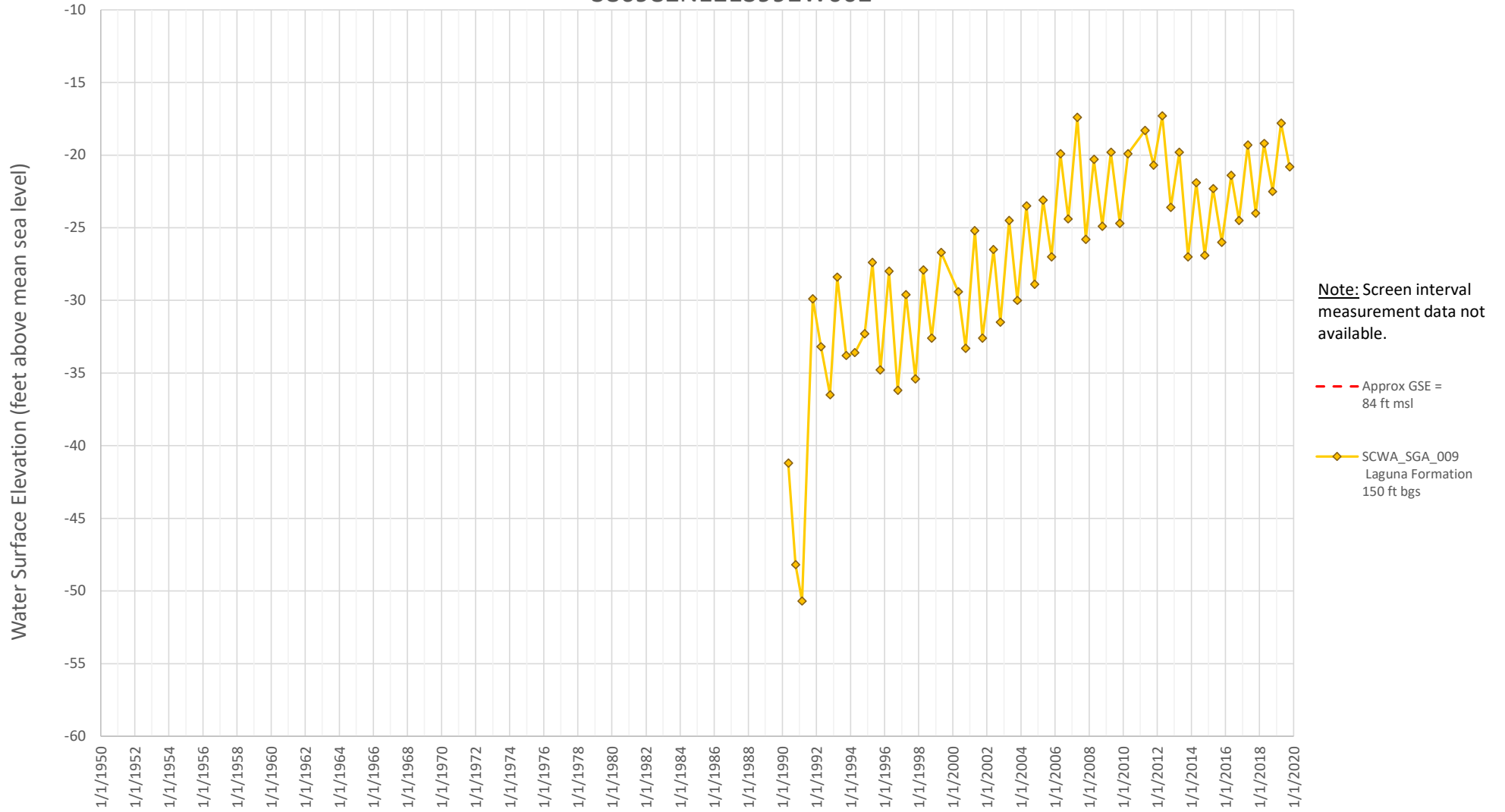
386864N1215222W003, 386864N1215222W002, 386864N1215222W001



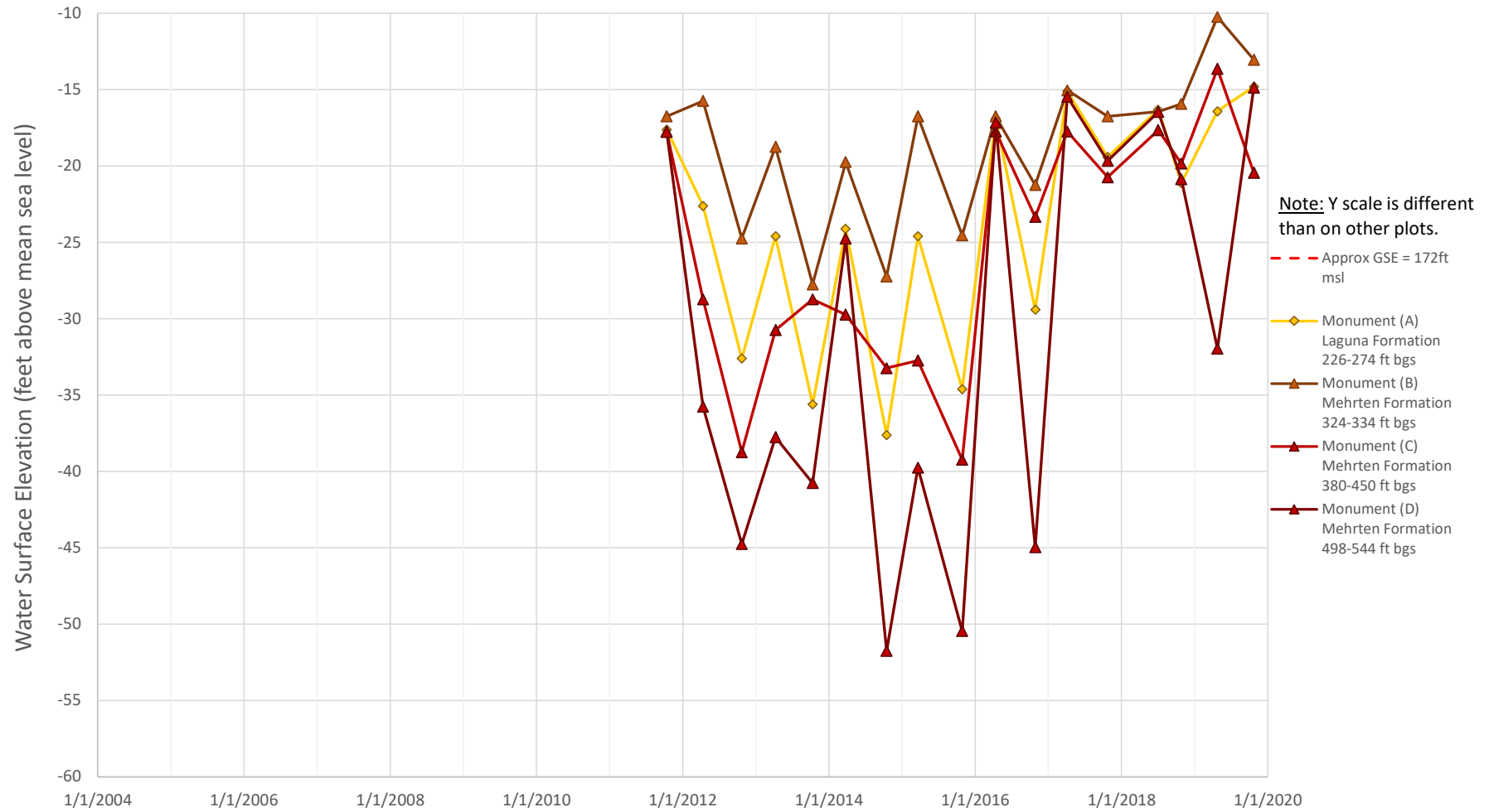
Local Well No. 30
SCWA_SGA_008
386982N1213992W001



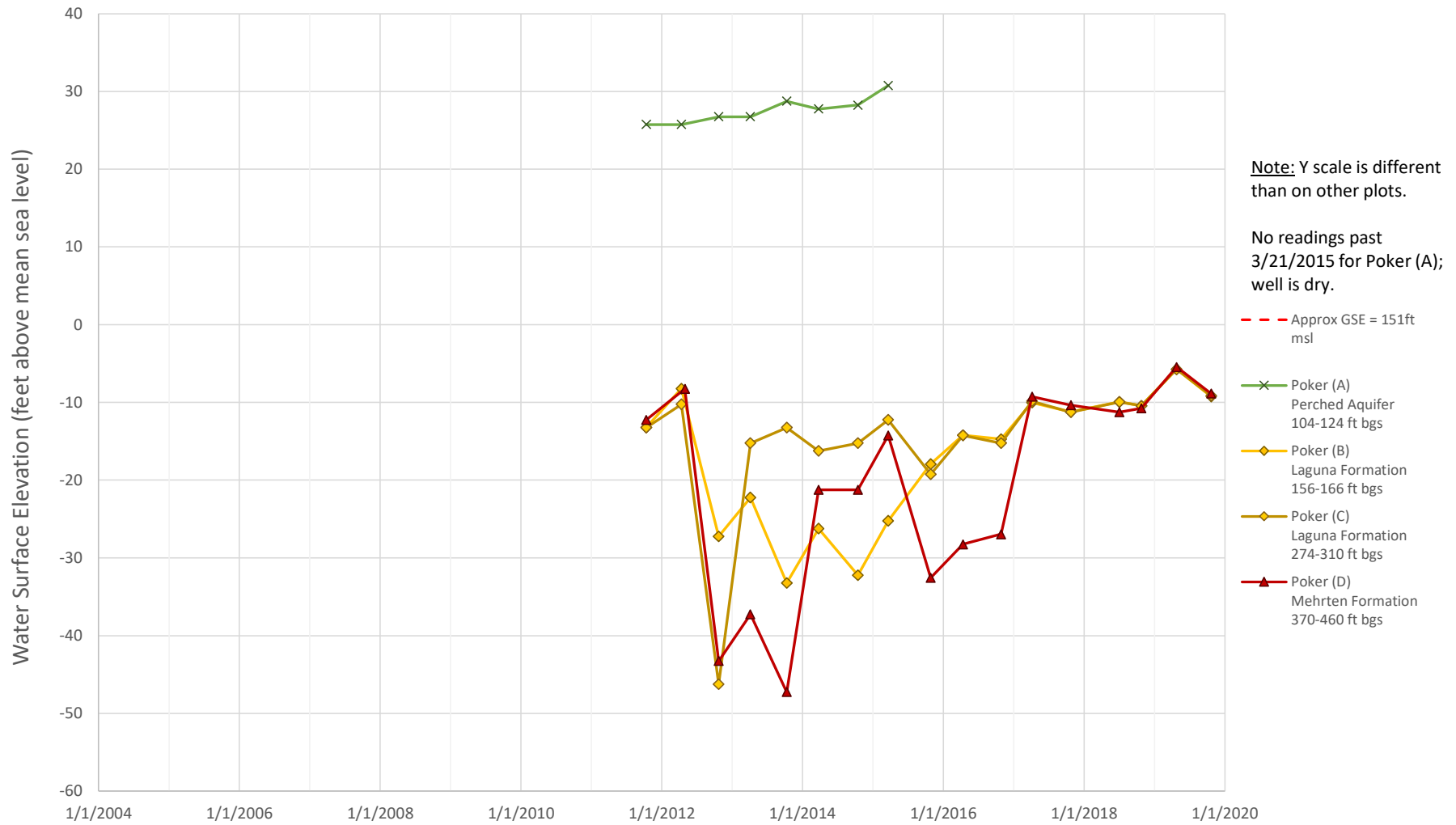
Local Well No. 31
SCWA_SGA_009
386982N1213992W002



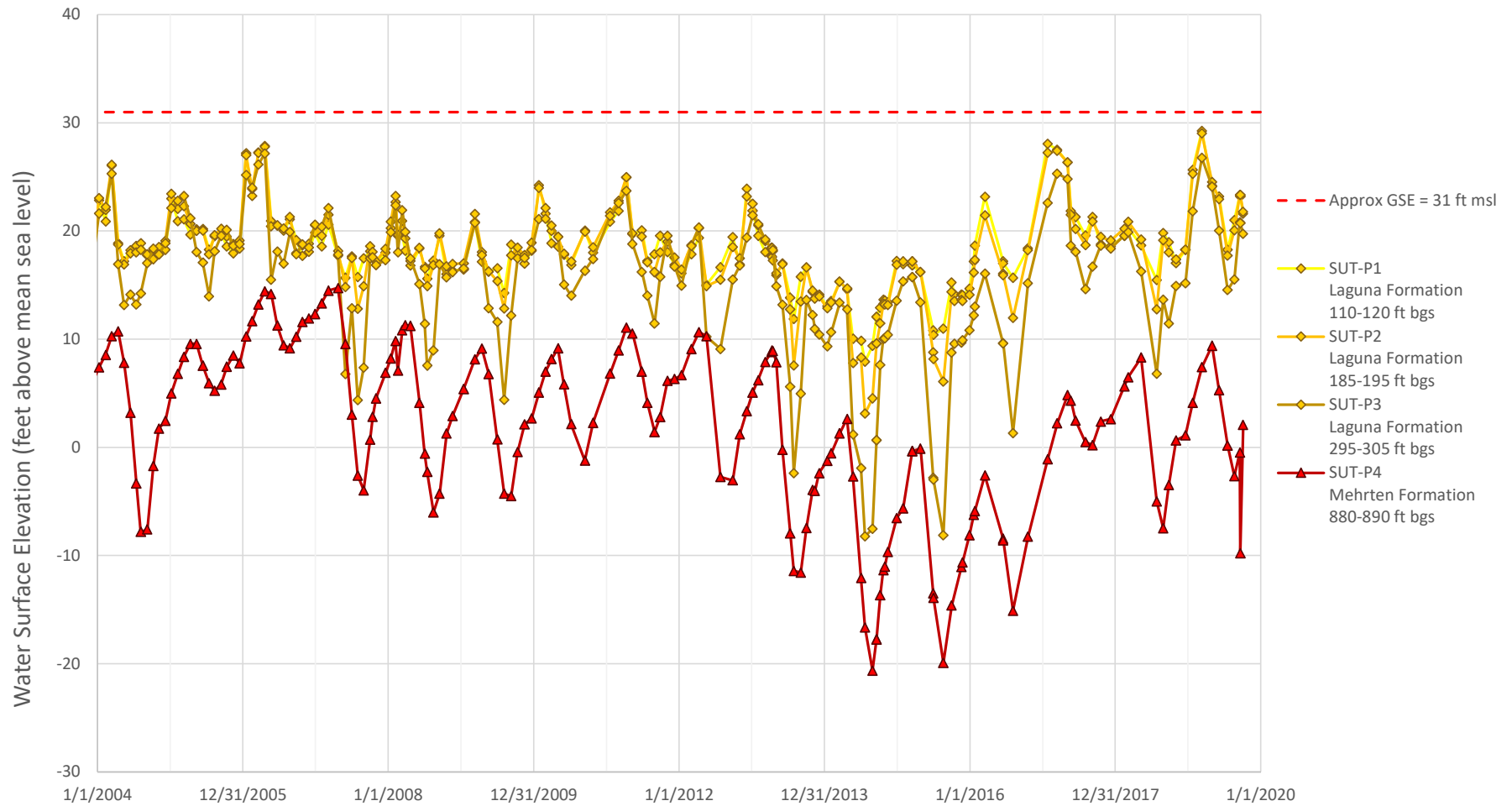
Local Well No. 33
 Monument Nested Well
 387000N1213529W001, 387000N1213529W002, 387000N1213529W003, 387000N1213529W004



Local Well No. 35
Poker Nested Well
387117N1213327W001, 387117N1213327W002, 387117N1213327W003, 387117N1213327W004



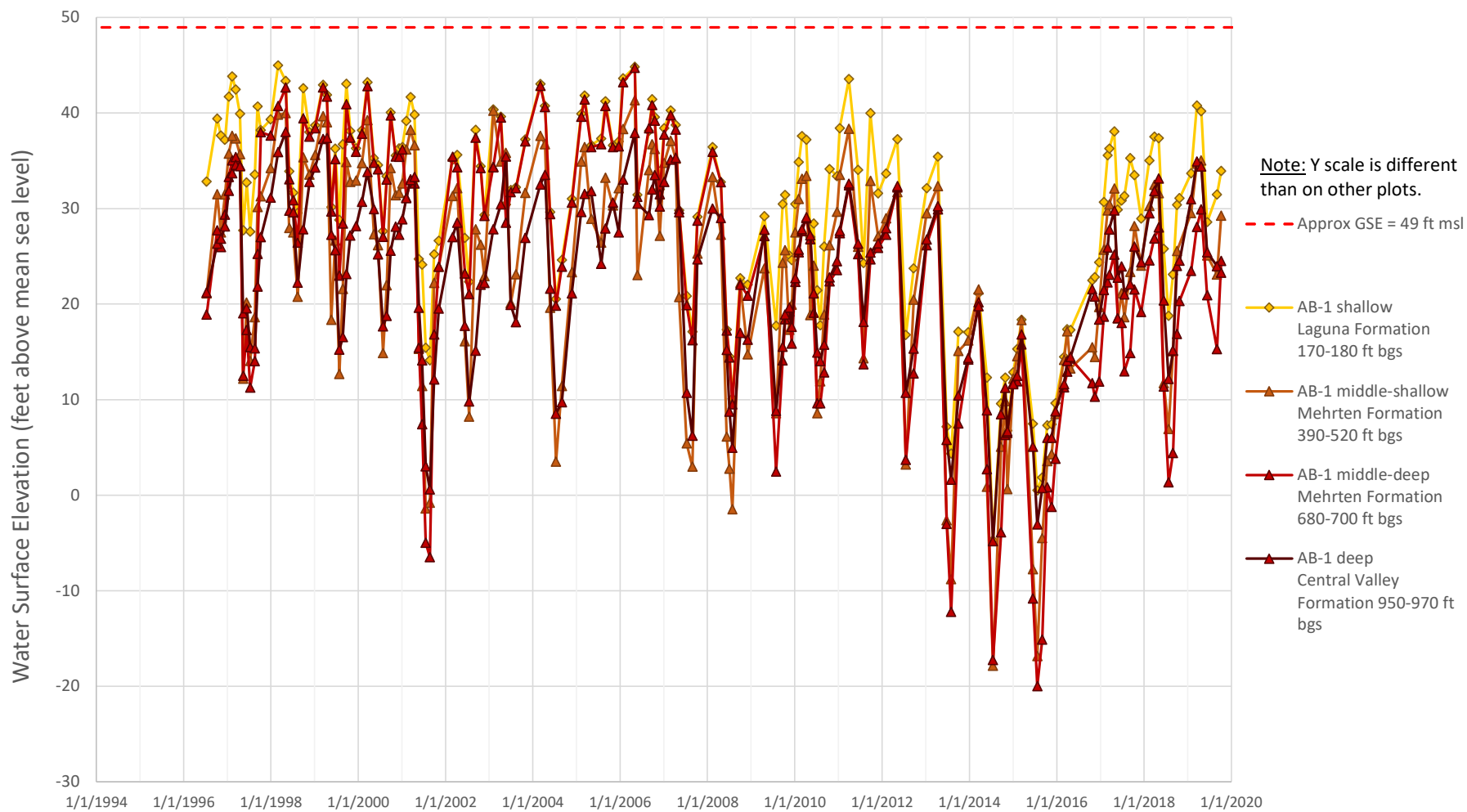
Local Well No. 37
SUT-P1, SUT-P2, SUT-P3, SUT-P4
388260N1215394W004, 388260N1215394W003, 388260N1215394W001, 388260N1215394W001



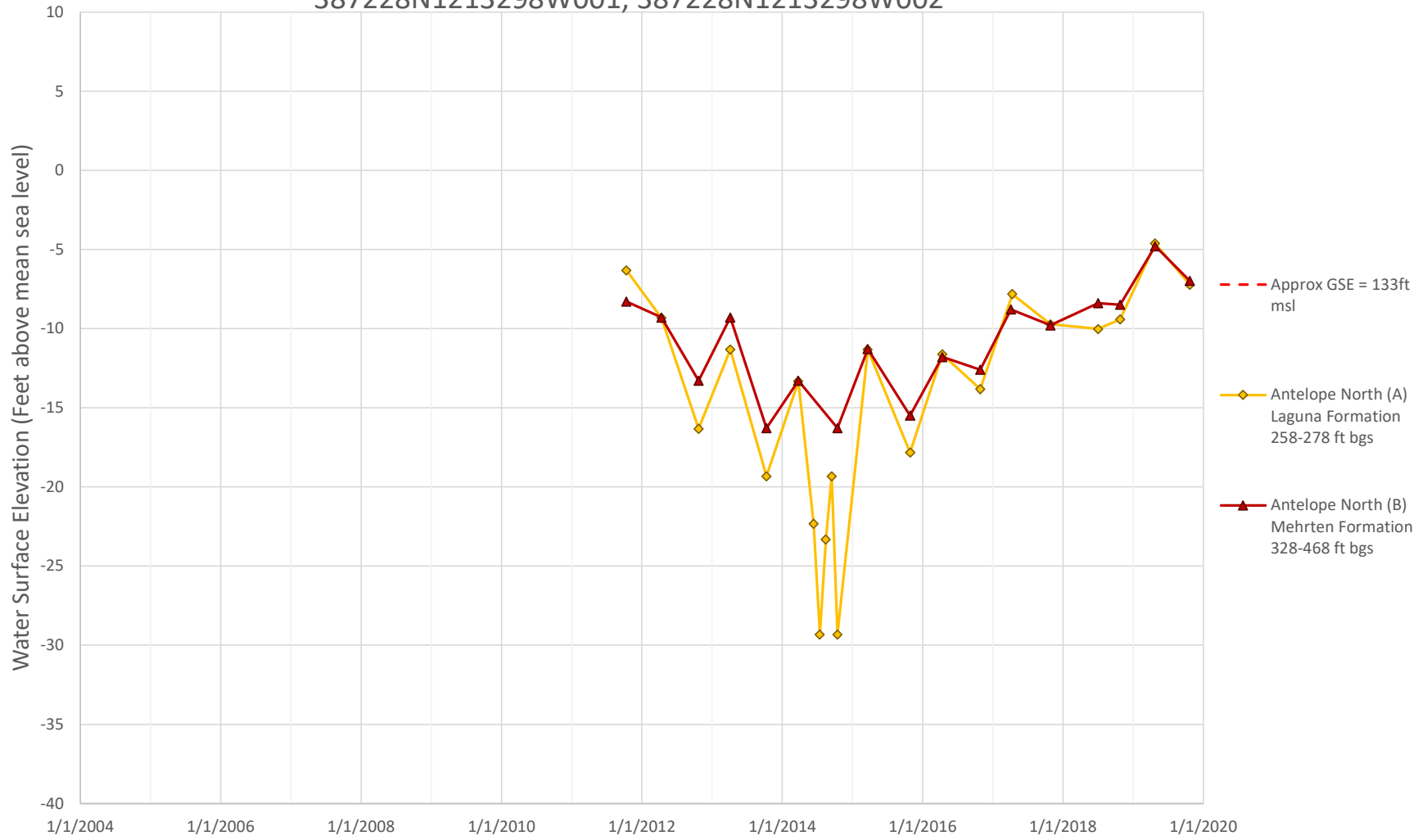
Local Well No. 39

AB-1 Nested Well

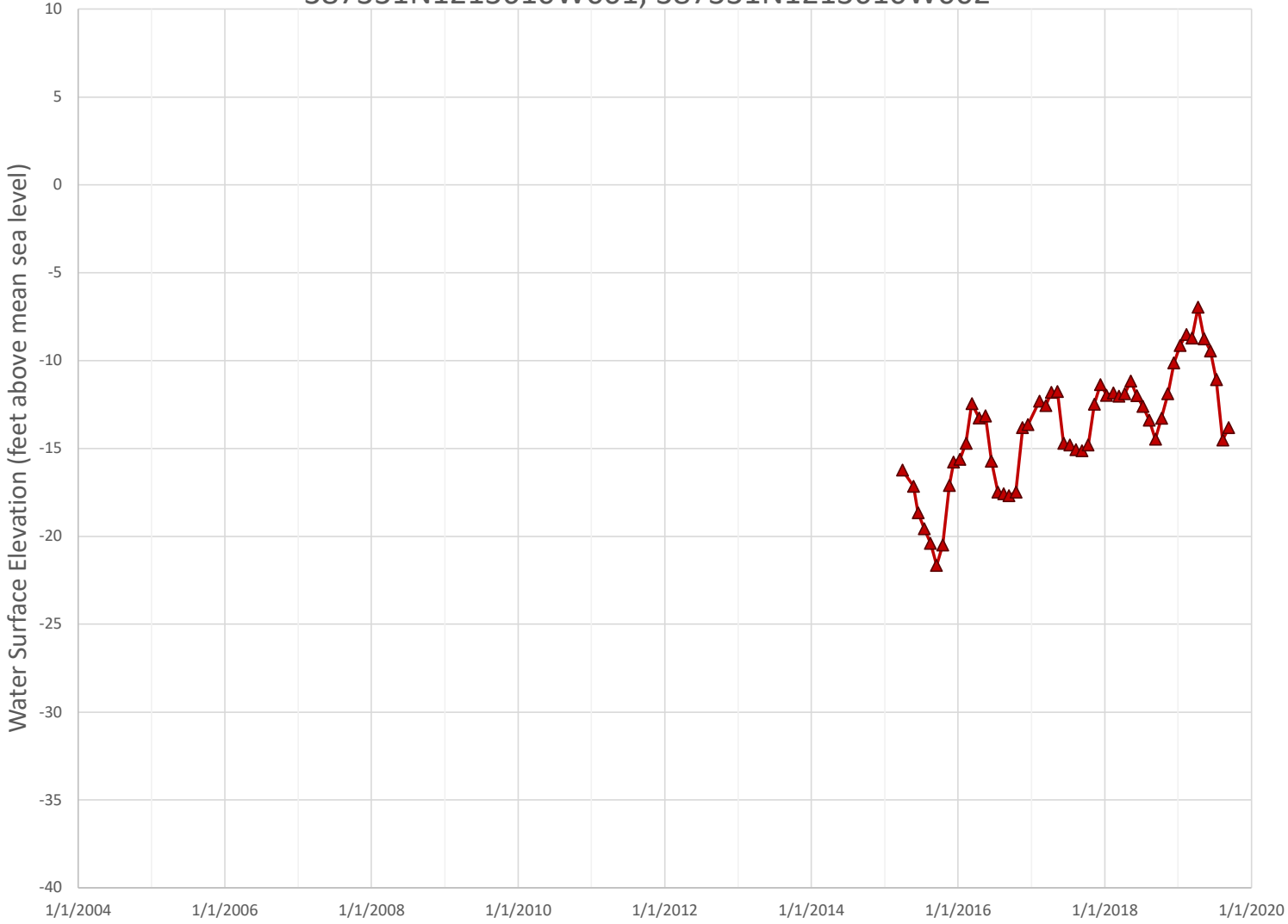
389116N1215238W003, 389117N1215238W001, 389116N1215238W002, 389116N1215238W001



Local Well No. 40
Antelope North Nested Wells
387228N1213298W001, 387228N1213298W002



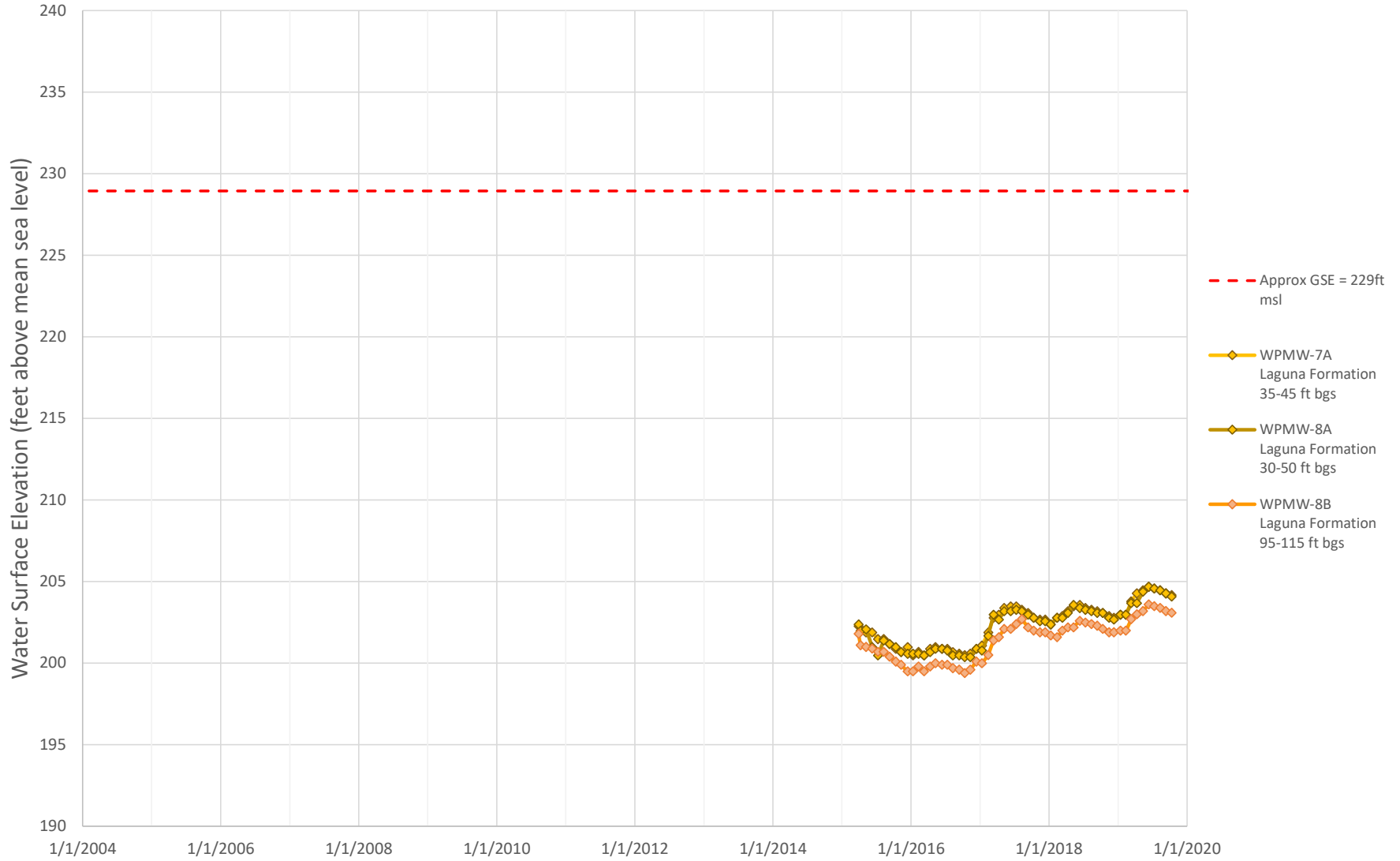
Local Well No. 41
WPMW-5 Nested Well
387331N1213610W001, 387331N1213610W002



Note: WPMW-5A is dry.

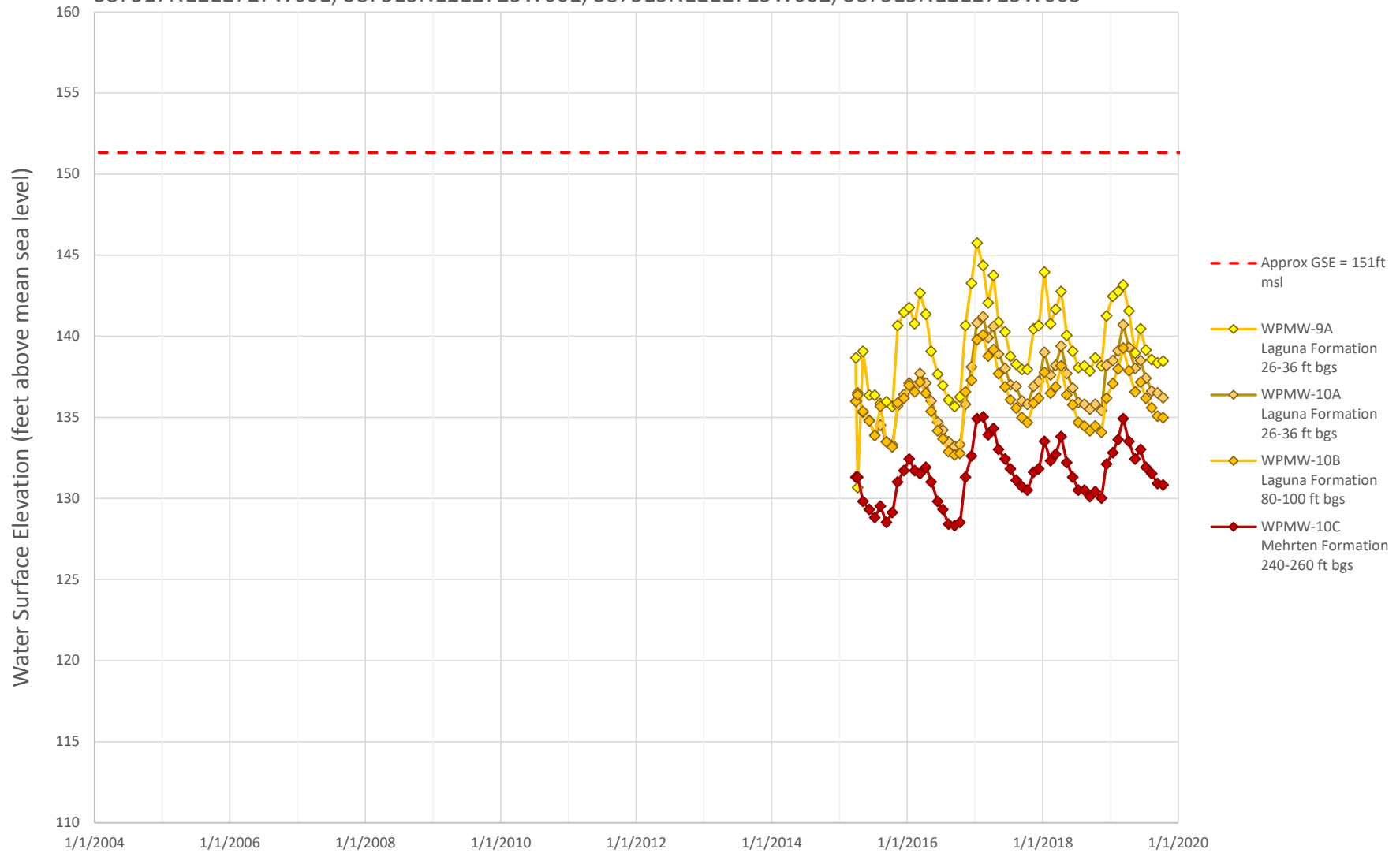
- - - Approx GSE = 98ft msl
- ◇ WPMW-5A
Laguna Formation
80-100 ft bgs
- ▲ WPMW-5B
Mehrten Formation
630-650 ft bgs

Local Well No.42 & No.43
387512N1212390W001, 387510N1212390W001, 387510N1212390W002

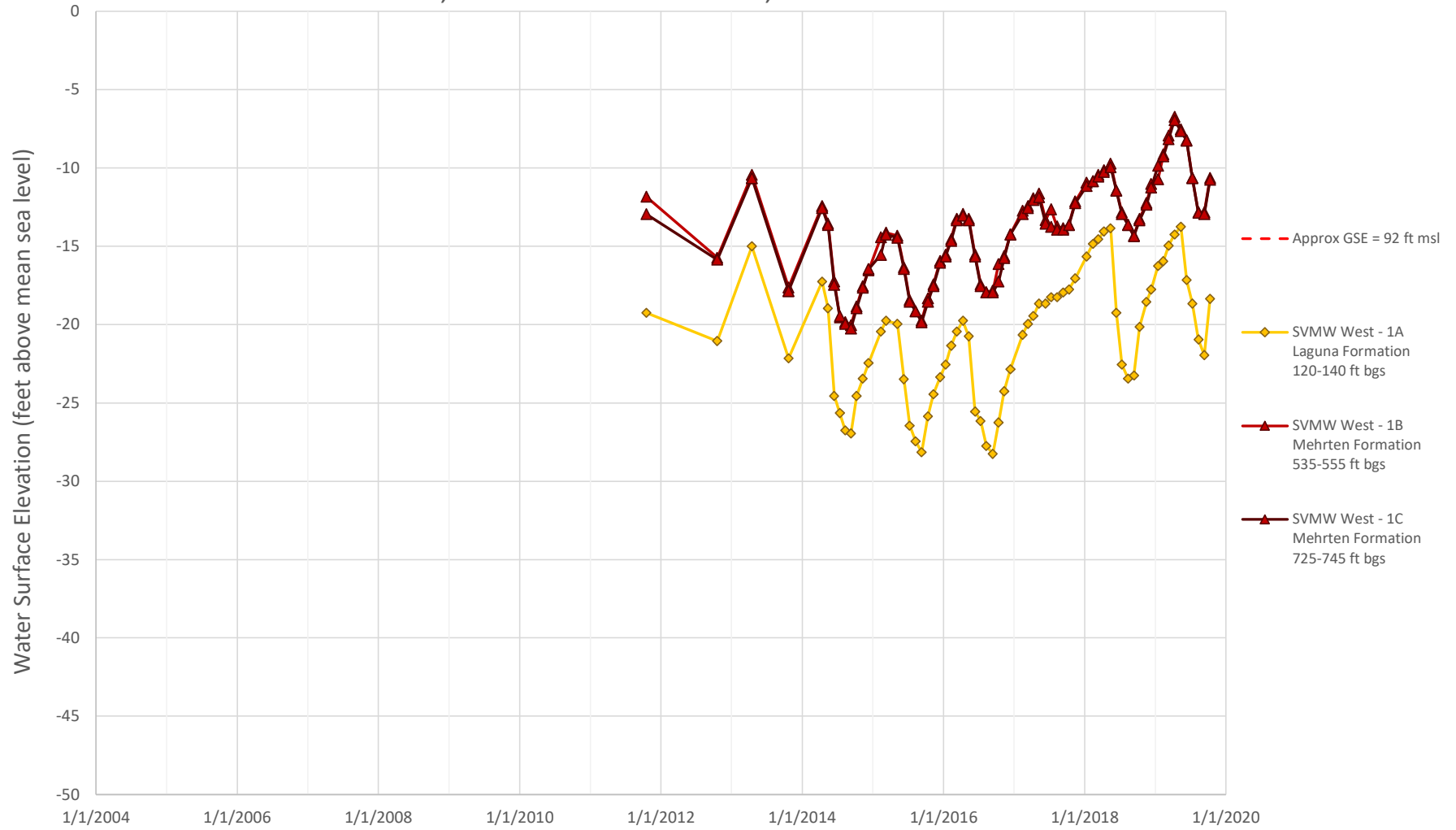


Local Well No. 44 & No. 45
WPMW-10 Nested Well & WPMW-9

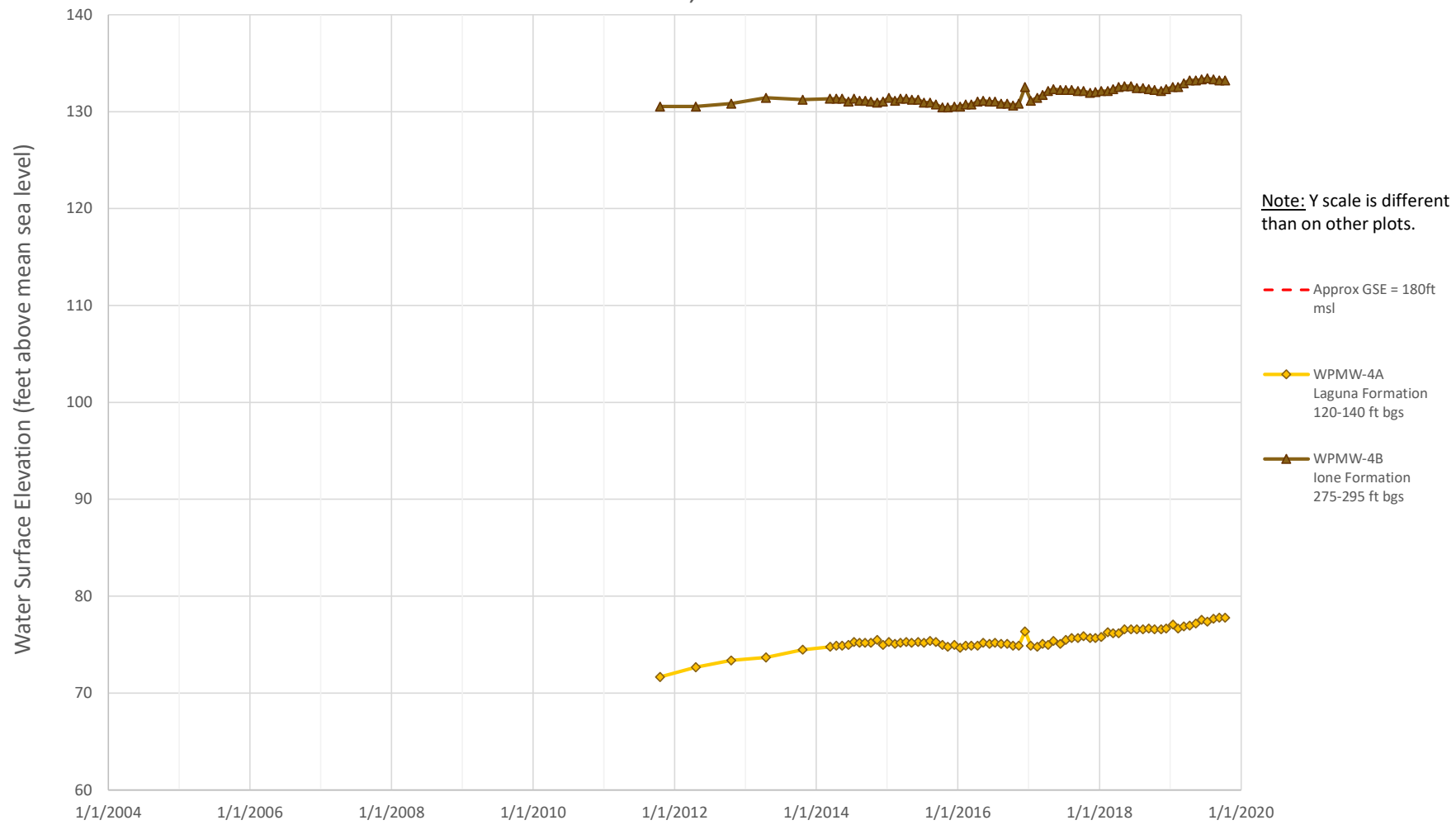
387517N1212727W001, 387515N1212725W001, 387515N1212725W002, 387515N1212725W003



Local Well No. 46
SVMW West 1 Nested Well
387623N1213915W001, 387623N1213915W002, 387623N1213915W003

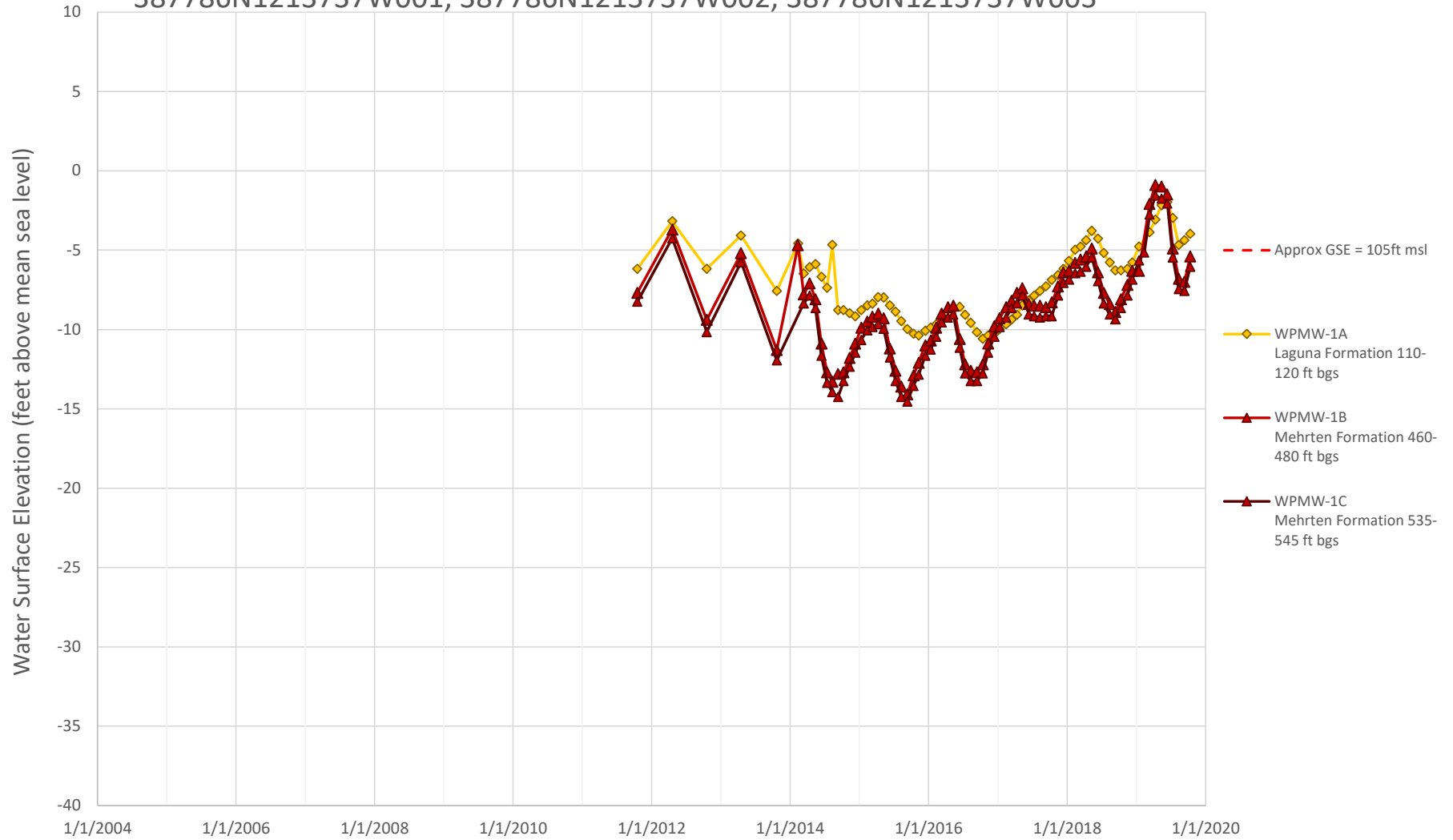


Local Well No. 48
WPMW-4 Nested Well
387755N1212753W001, 387755N1212753W002

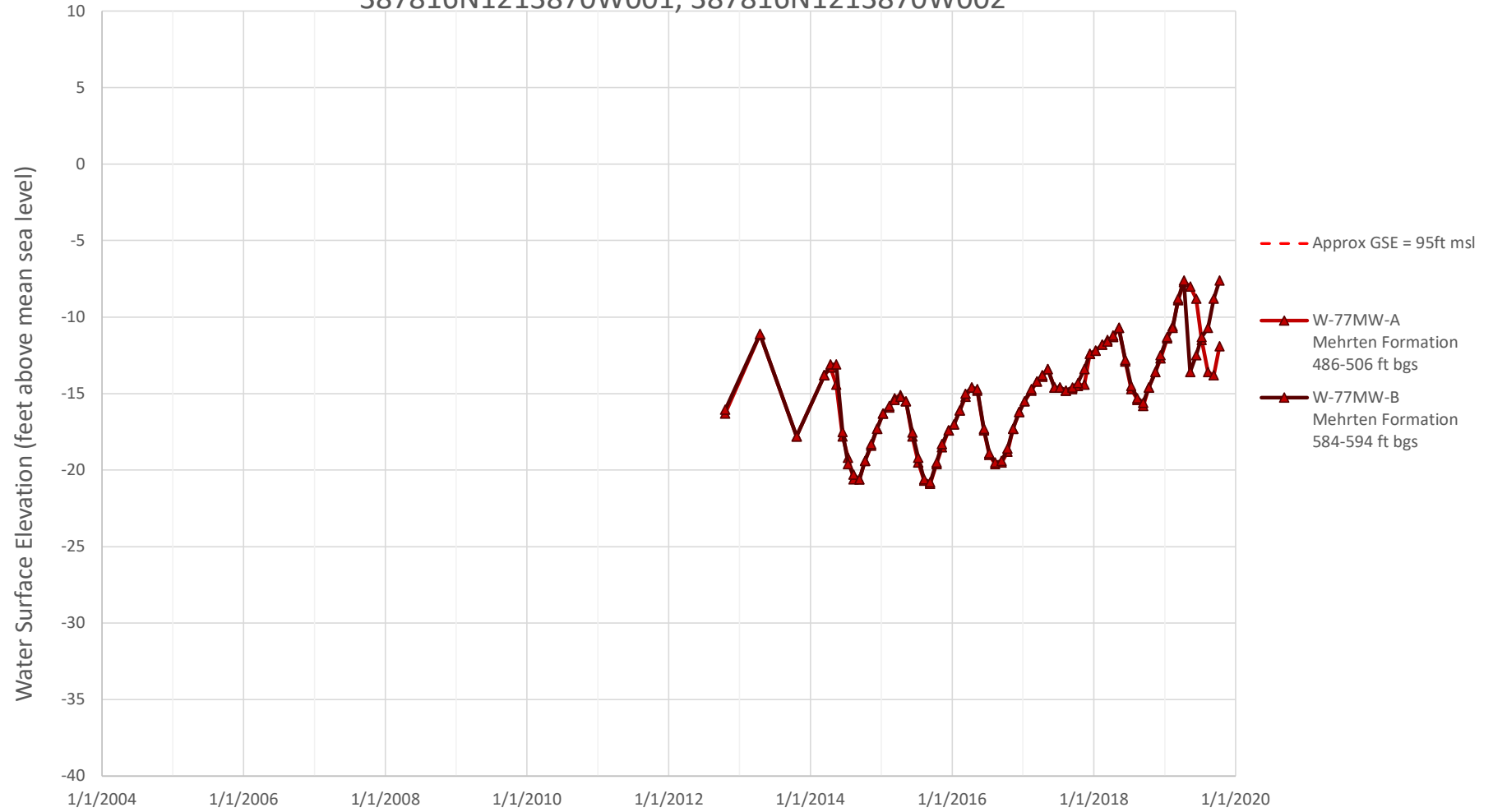


Local Well No. 49
WPMW-1 Nested Well

387786N1213737W001, 387786N1213737W002, 387786N1213737W003

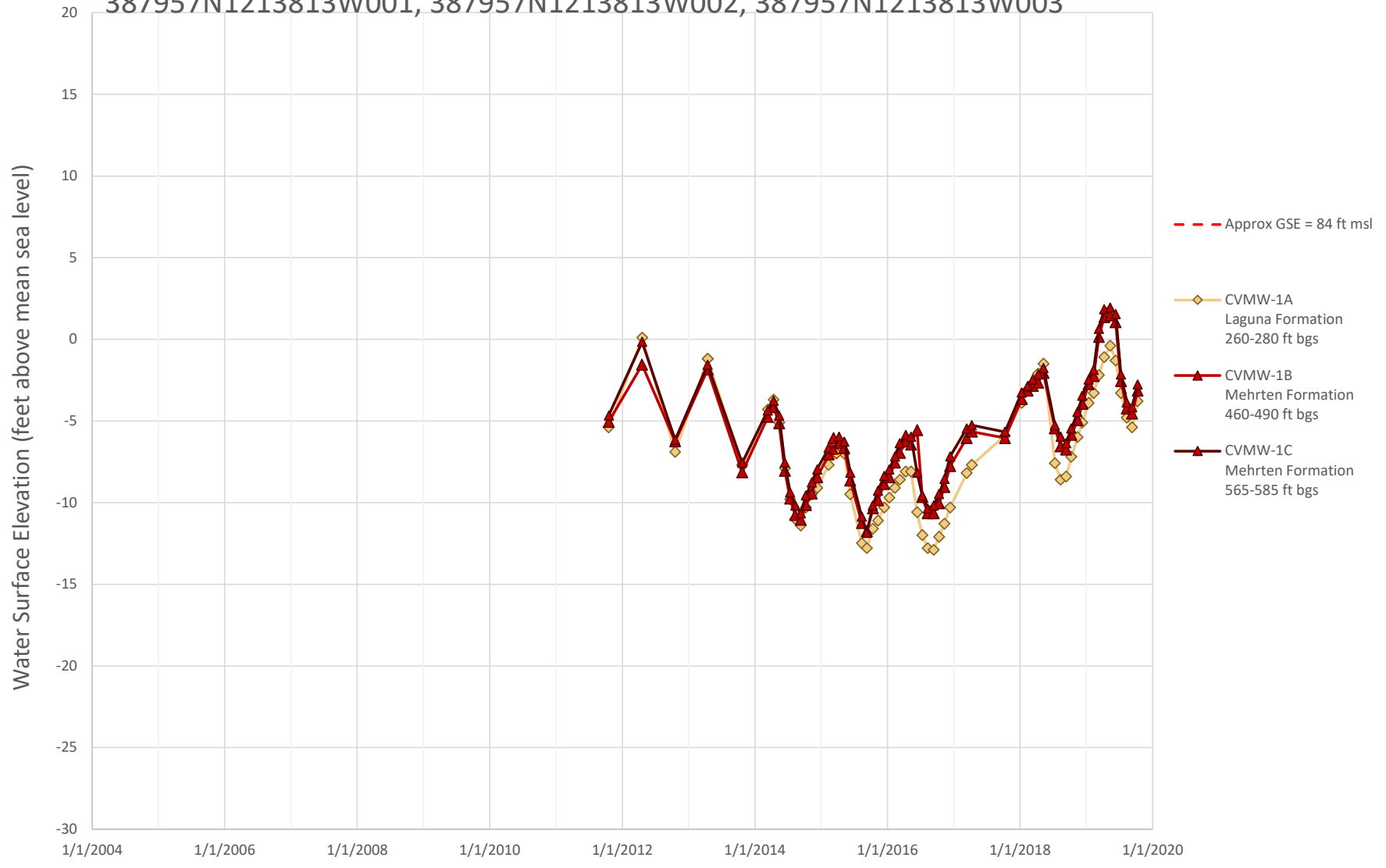


Local Well No. 50
W-77MW (Well 77) Nested Well
387816N1213870W001, 387816N1213870W002

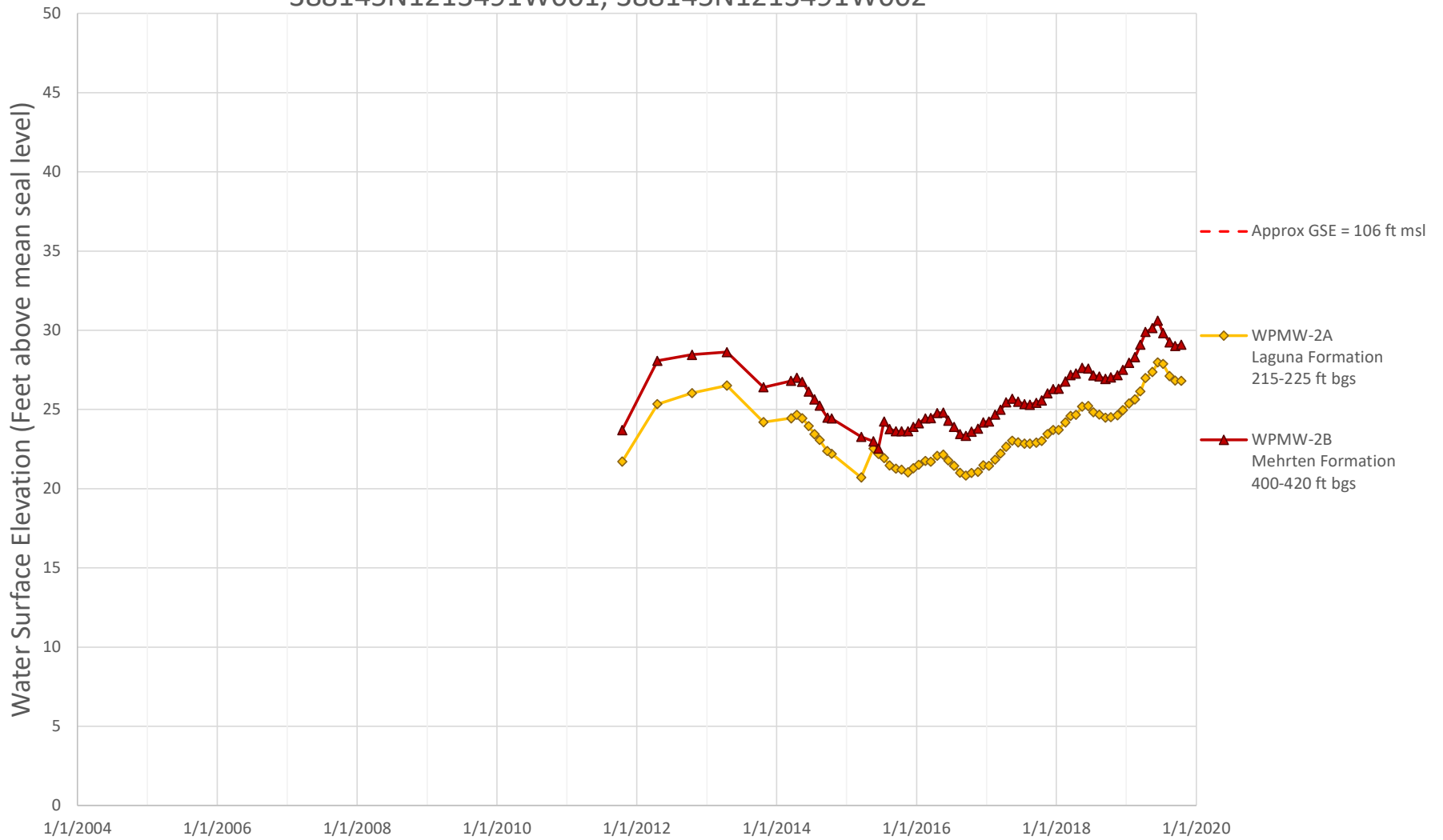


Local Well No. 52
CVMW-1 Nested Well

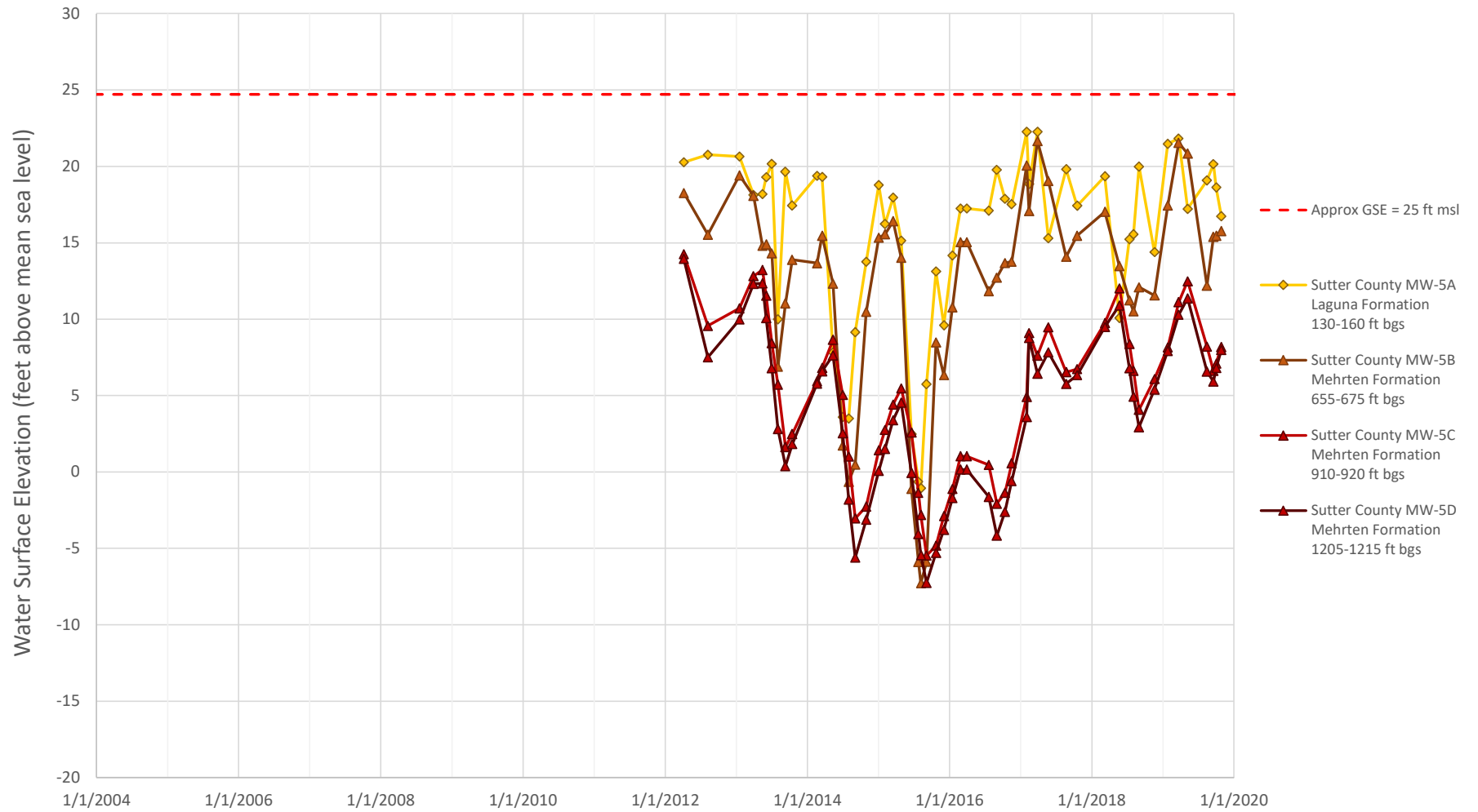
387957N1213813W001, 387957N1213813W002, 387957N1213813W003



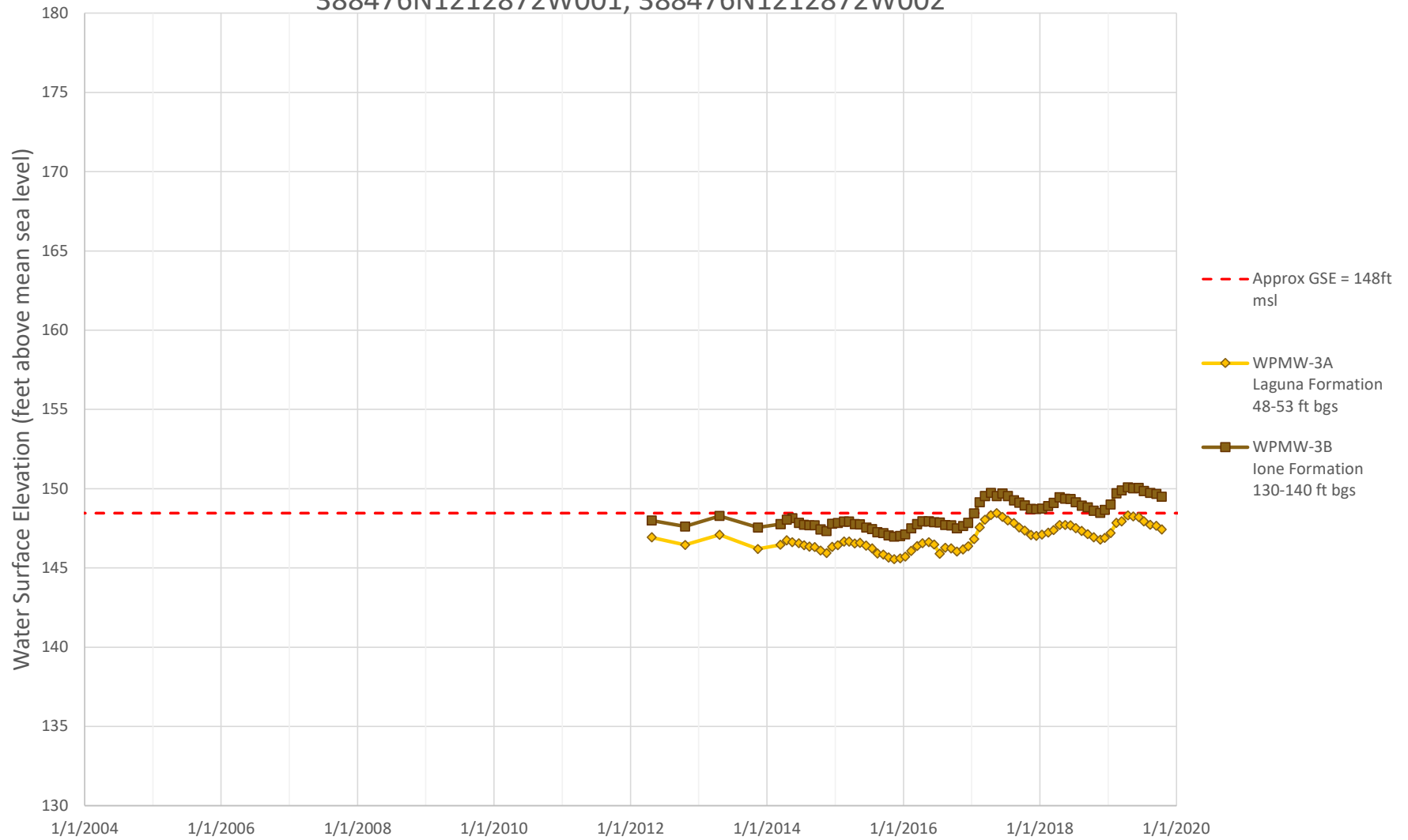
Local Well No. 60
WPMW-2 Nested Well
388145N1213491W001, 388145N1213491W002



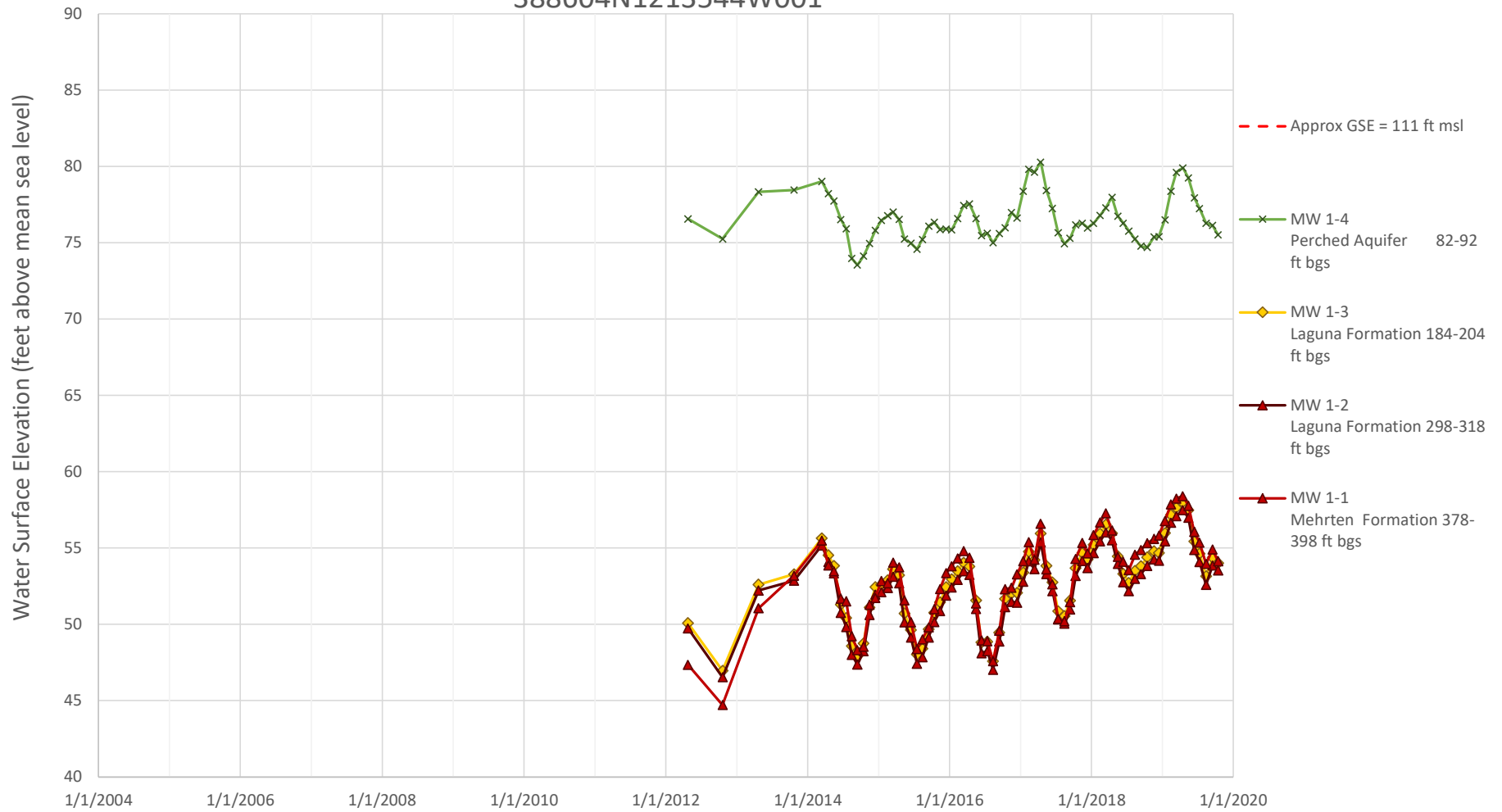
Local Well No. 61
Sutter County MW-5 Nested Well
388235N1216079W001, 388235N1216079W002, 388235N1216079W003, 388235N1216079W004



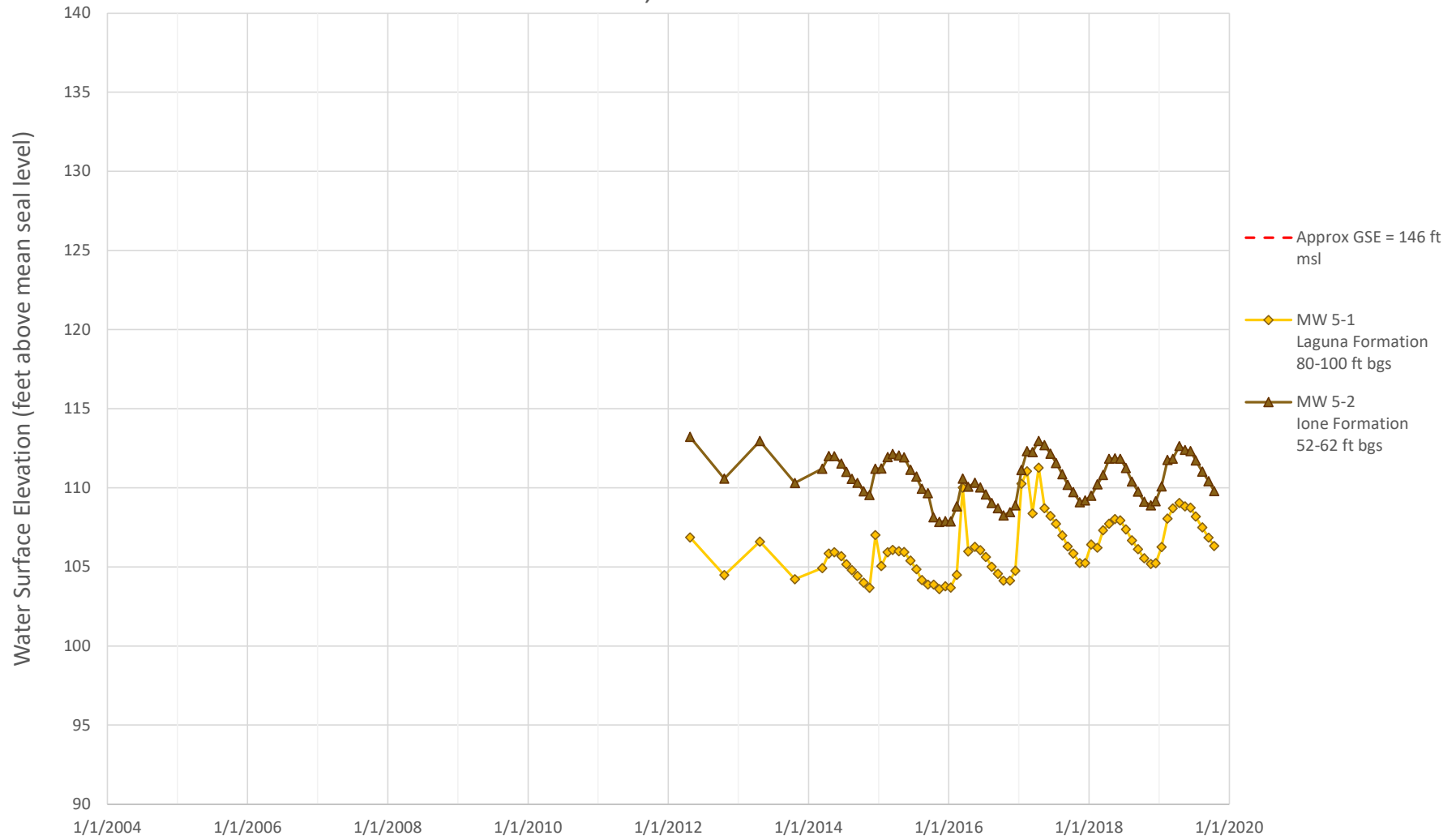
Local Well No. 63
WPMW-3 Nested Well
388476N1212872W001, 388476N1212872W002



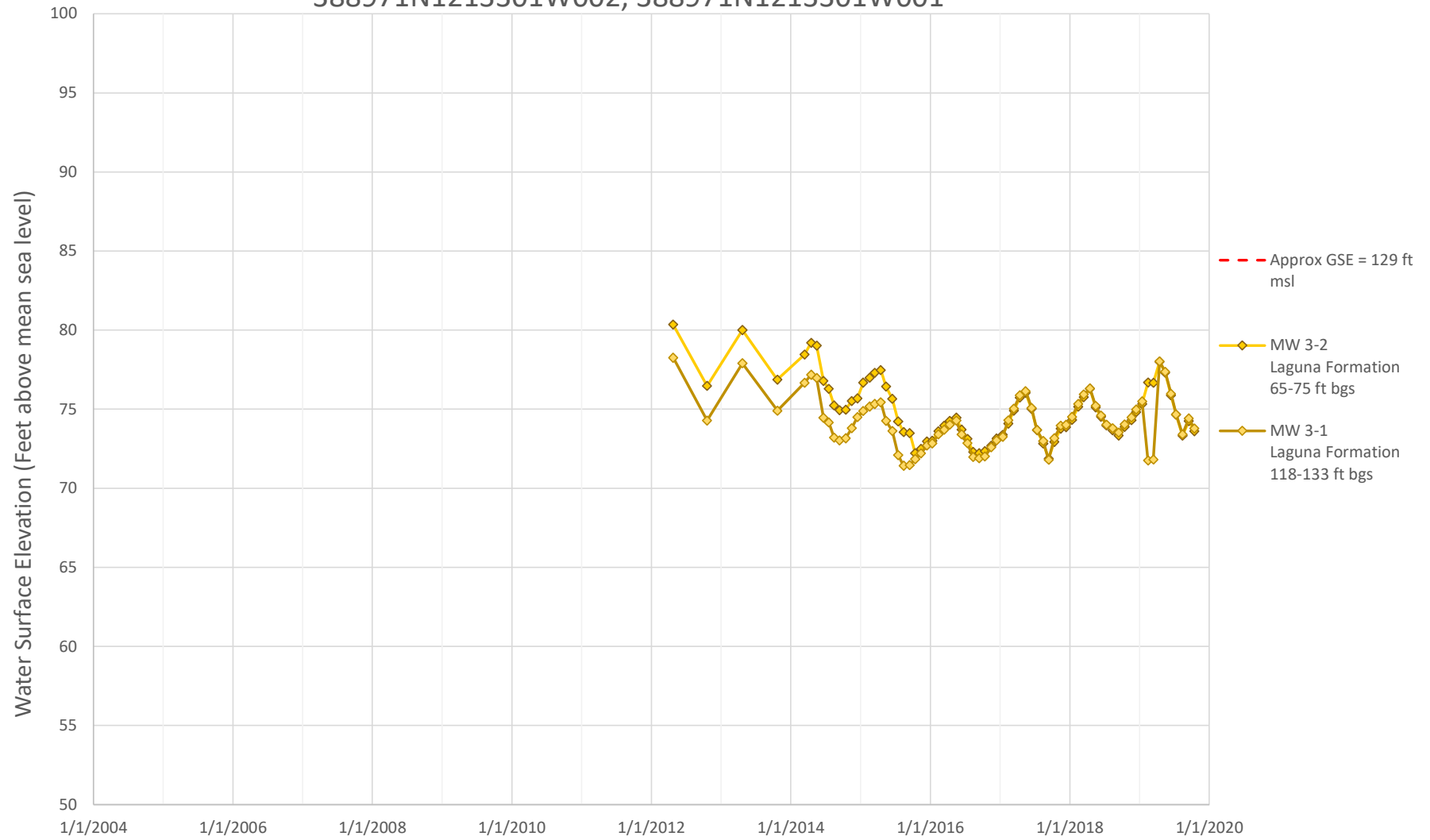
Local Well No. 65
MW-1 Nested Well
388604N1213544W004, 388604N1213544W003, 388604N1213544W002,
388604N1213544W001



Local Well No. 66
MW-5 Nested Well
388826N1213078W001, 388826N1213078W002

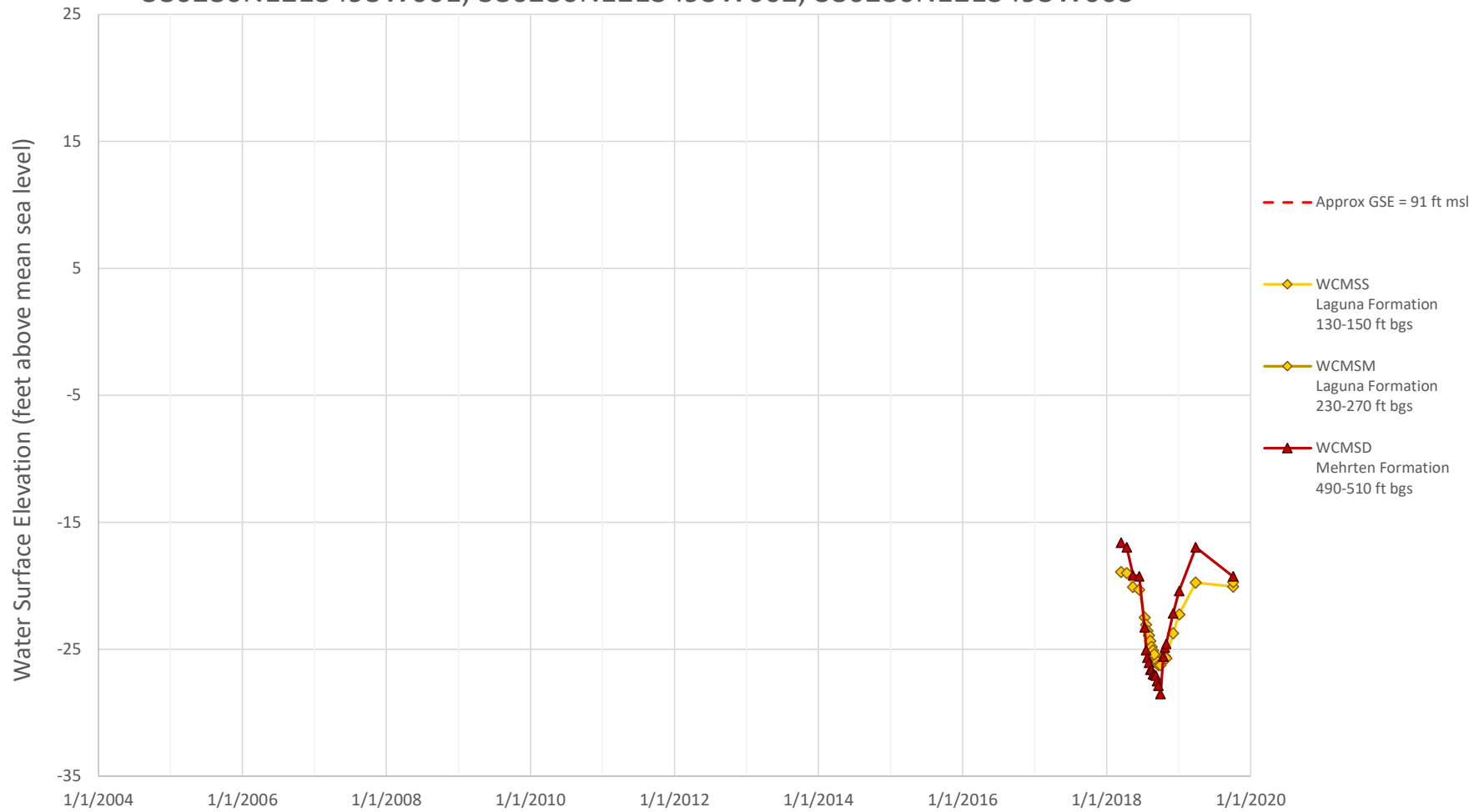


Local Well No. 70
MW-3 Nested Well
388971N1213301W002, 388971N1213301W001



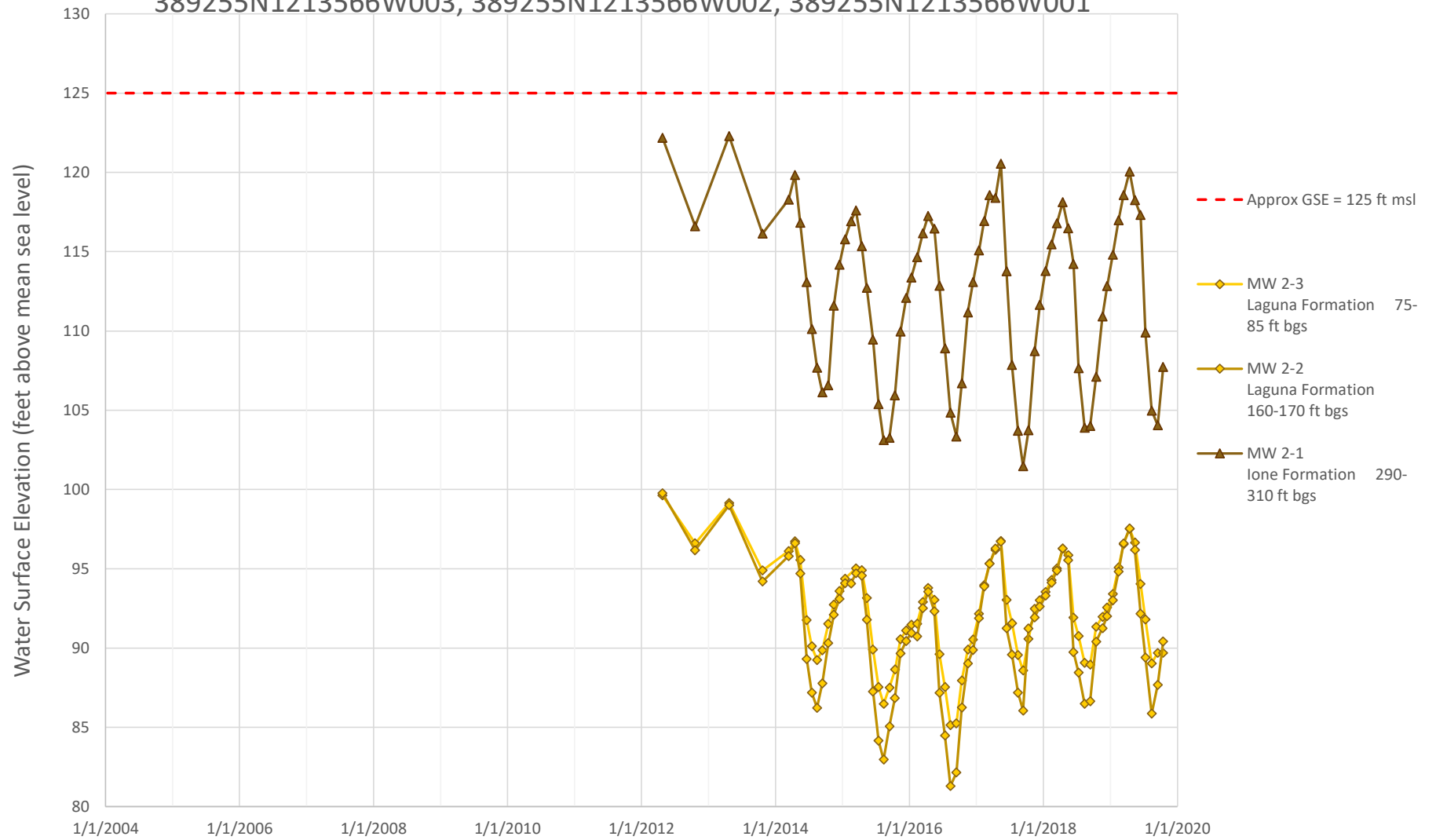
Local Well No. 71
WCMS (Churchill) Nested Wells

386280N1213493W001, 386280N1213493W002, 386280N1213493W003

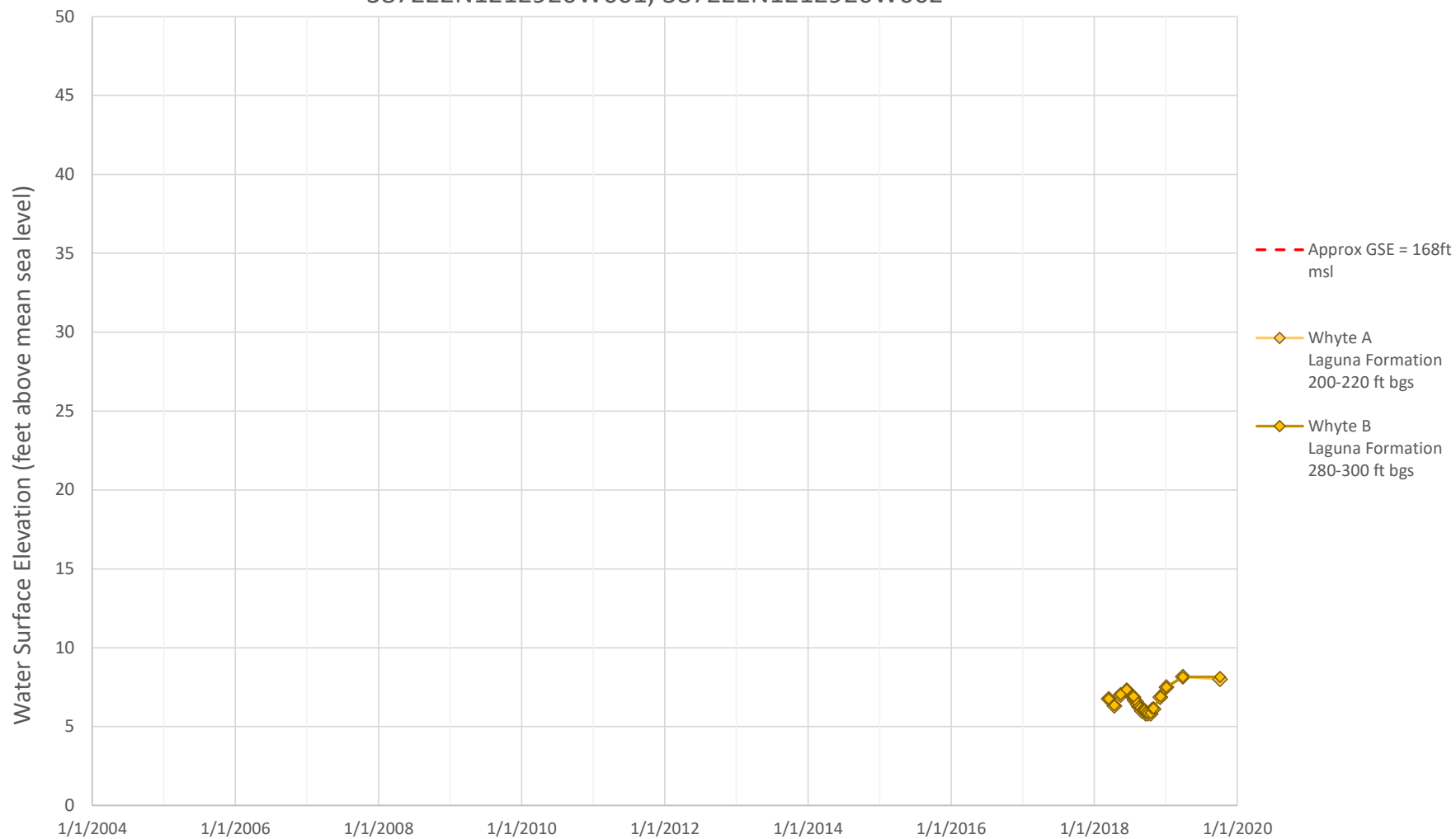


Local Well No. 75
MW-2 Nested Well

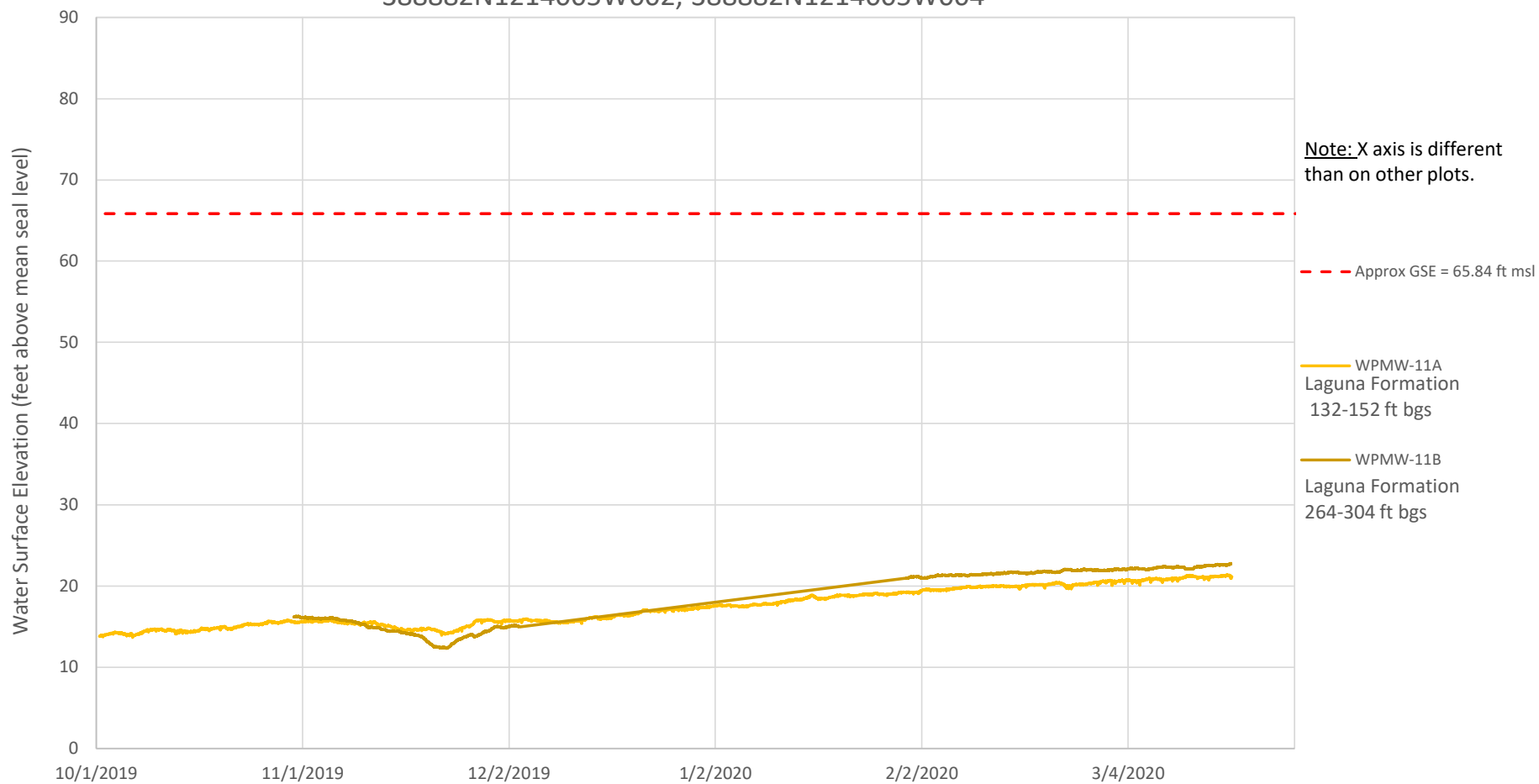
389255N1213566W003, 389255N1213566W002, 389255N1213566W001



Local Well No. 82
Whyte Nested Well Hydrograph
387222N1212920W001, 387222N1212920W002



Well No. 90
WPMW-11A, WPMW-11B
388882N1214005W002, 388882N1214005W004



Local Well No.91
WPMW-12 Nested Well Hydrograph
388026N1214432W002, 388026N1214432W004



Local Well No.103 - BR-1

