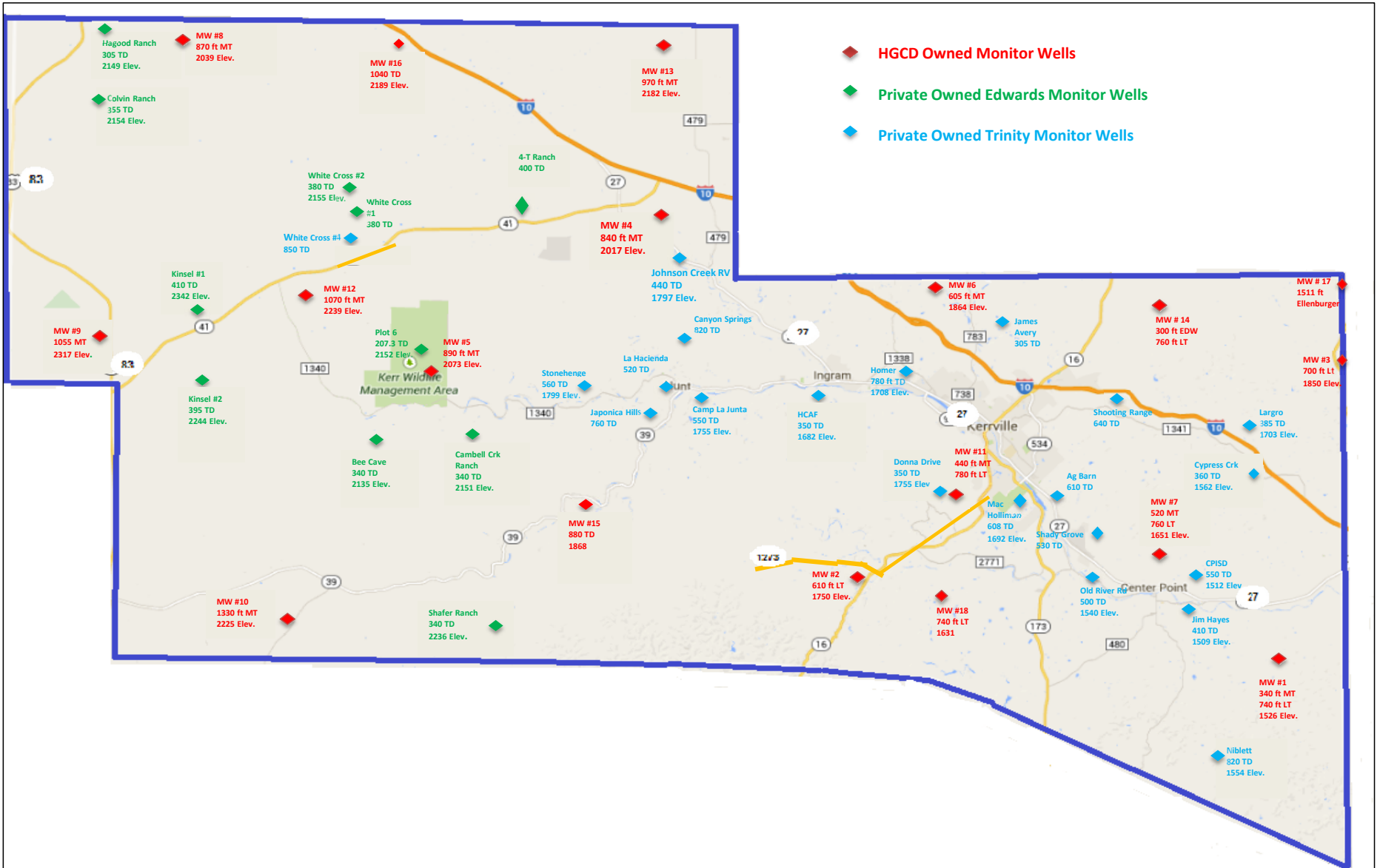
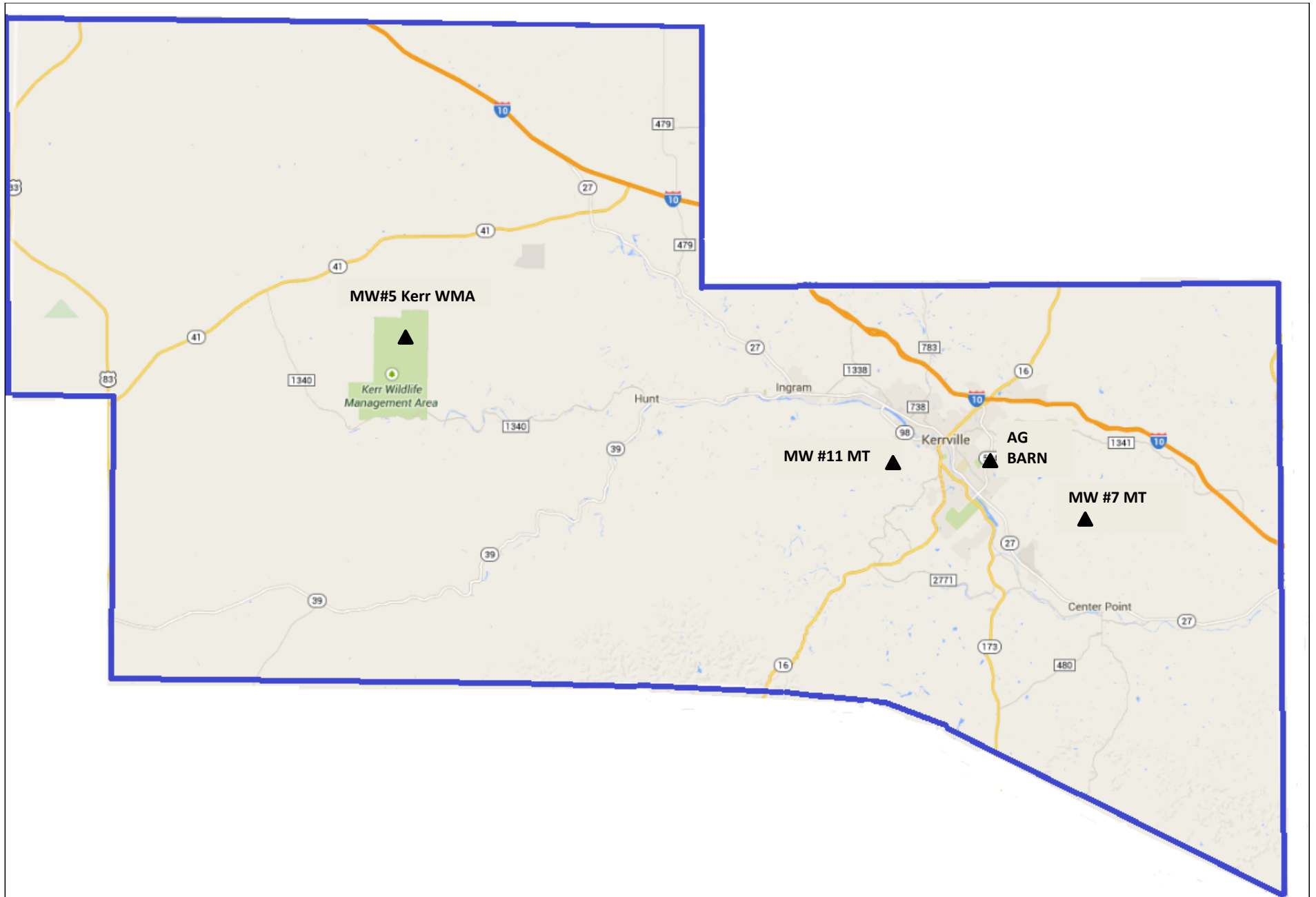


HEADWATERS GROUNDWATER CONSERVATION DISTRICT MONITOR WELL MAP

- ◆ HGCD Owned Monitor Wells
- ◆ Private Owned Edwards Monitor Wells
- ◆ Private Owned Trinity Monitor Wells

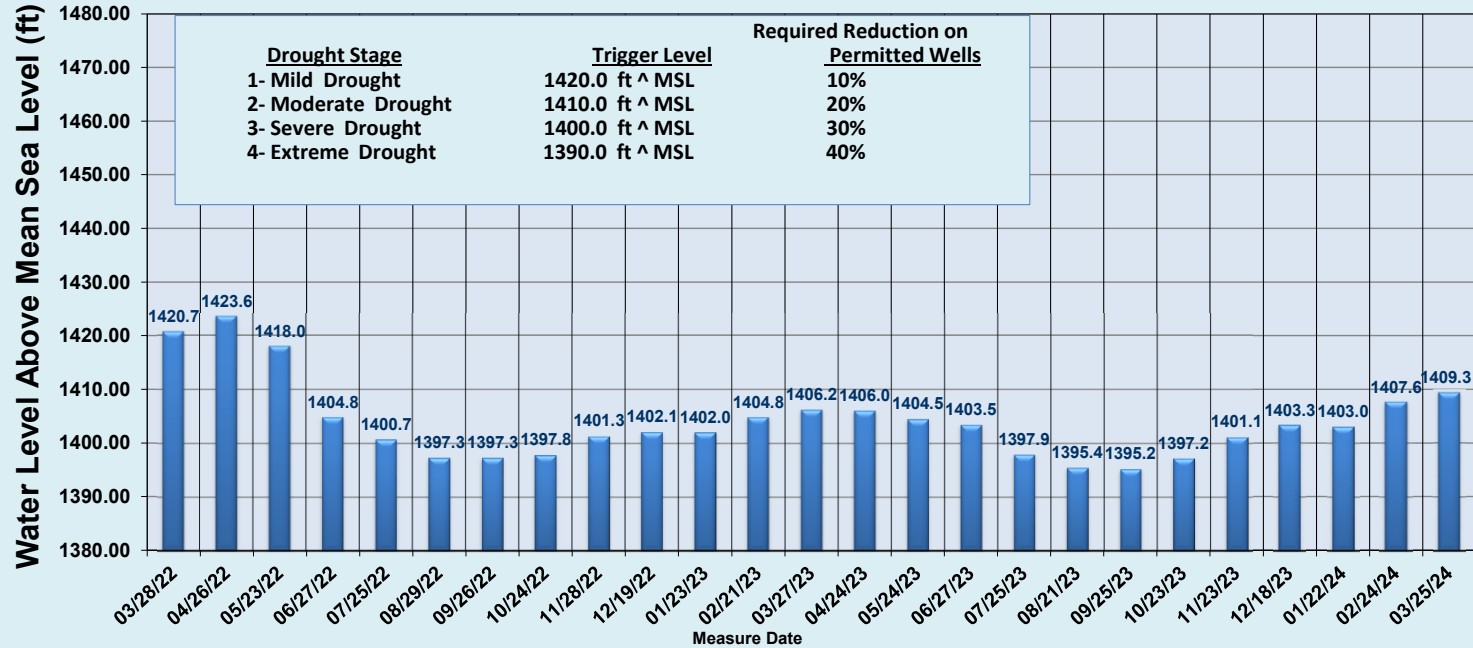


HEADWATERS GROUNDWATER CONSERVATION DISTRICT
DROUGHT INDEX WELLS MAP



Headwaters Groundwater Conservation District Drought Index

This chart is an average of four wells' water level above mean sea level. The wells consist of Monitor Well 7 Middle Trinity, Monitor Well 11 Middle Trinity, Kerr County Ag Barn, and Monitor Well 5*. Headwaters averages the water levels of these four wells to trigger drought stages. We also take into consideration the Palmer Drought Severity Index and the flow rate of the Guadalupé River in Kerrville.



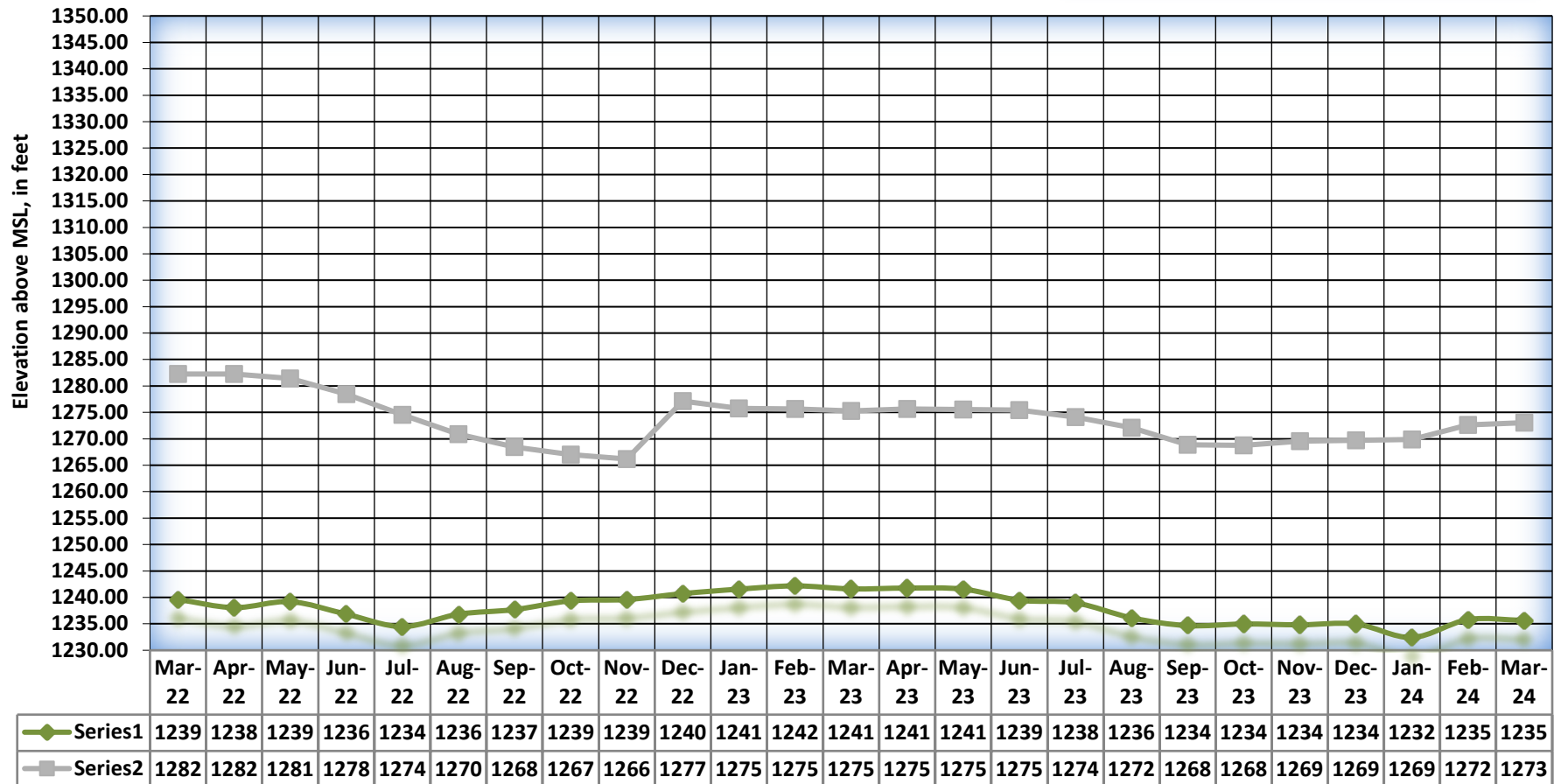
Date	Average Water Level Above MSL
Mar-22	1420.73
Apr-22	1423.59
May-22	1418.03
Jun-22	1404.82
Jul-22	1400.70
Aug-22	1397.31
Sep-22	1397.29
Oct-22	1397.80
Nov-22	1401.30
Dec-22	1402.08
Jan-23	1402.02
Feb-23	1404.79
Mar-23	1406.20
Apr-23	1406.02
May-23	1404.46
Jun-23	1403.46
Jul-23	1397.87
Aug-23	1395.43
Sep-23	1395.21
Oct-23	1397.17
Nov-23	1401.10
Dec-23	1403.30
Jan-24	1403.02
Feb-24	1407.63
Mar-24	1409.31

DROUGHT INDEX FOR		Drought Index Well Group	Measure Date	Surface Elev.	Current Depth to Water Mar 2024	Static	Previous Depth to Water Feb 2024	Monthly Difference
Mar-24								
		HGCD MW#7 MT	03/26/24	1651.00	318.22	1332.78	321.44	3.22
		HGCD MW#11 MT	03/25/24	1703.00	317.21	1385.79	318.82	1.61
		Ag Barn	03/26/24	1590.00	207.70	1382.30	209.12	1.42
		HGCD MW#5 MT	03/27/24	2073.00	536.64	1536.36	537.12	0.48
		Avg Water Level Above MSL				1409.31		
		Difference from Previous Month				1.68		

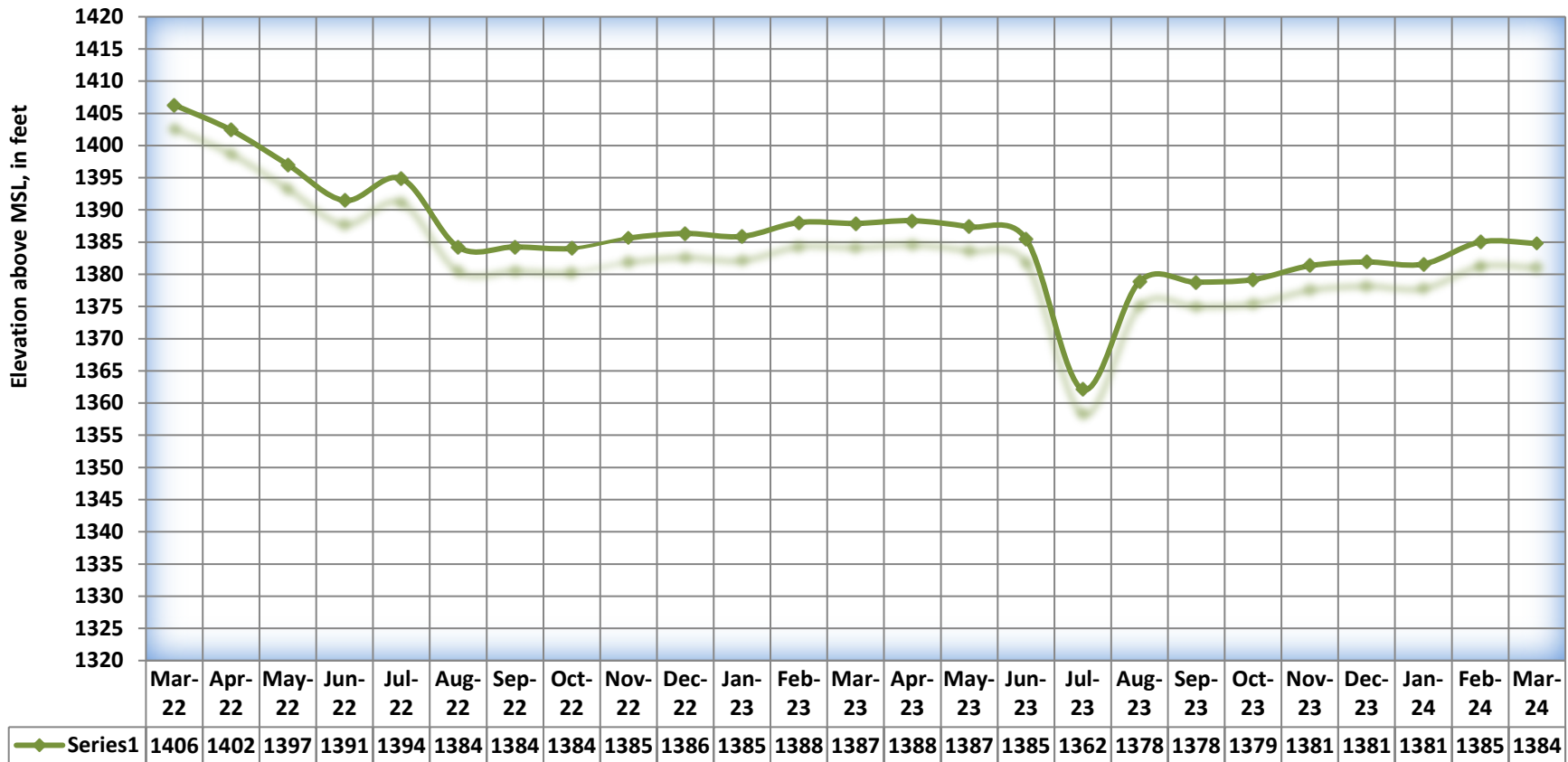
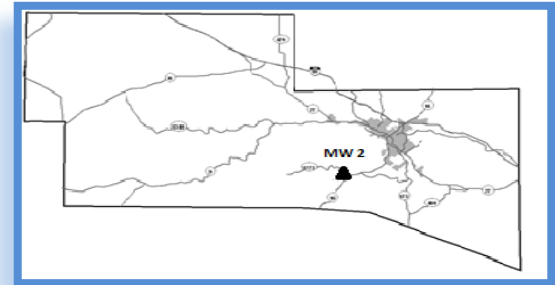
*As of June 2022, the Drought Index Wells were changed. Specifically, the Stonehenge well was replaced with HGCD Monitor Well #5. This is due to the fact that the casing in the Stonehenge well collapsed and water levels could no longer be obtained. The Historical Data on this graph has been updated accordingly. Due to the historical differences in the Mean Sea Level between the Stonehenge well and MW#5, the Drought Trigger Levels were adjusted accordingly.

Mar-24		Headwaters Monthly Observation Wells			Middle/Lower Trinity and Ellenburger Monitor Well Network								
State	Well #	HGCD PIN	District Monitor Well Name/Location	County Precinct	Aquifer M=Middle, L=Lower, C=Comingled, Ell=Ellenburger	Surface Elevation	Current Water Level Above MSL	Depth to Water March	Change From Last Month	Measure Date	Previous Month MSL Feb	Method Taken	
	6801704	01-314	HGCD MW #1 LT/ Lane Valley RD	2	L	1524	1235.64	288.36	-0.16	3/25/24	1235.80	Sat	
	6801703	01-314	HGCD MW #1 MT/ Lane Valley RD	2	M	1524	1273.07	250.93	0.45	3/25/24	1272.62	Sat	
	6907107	1770	HGCD MW #2/ LaBatt Ranch	1	L	1750	1384.80	365.20	-0.22	3/26/24	1385.02	E-Line	
	5757805	1771	HGCD MW #3/ The Reserve@Falling Water	3	L	1850	1393.58	456.42	2.22	3/26/24	1391.36	E-Line	
	5654405	822	HGCD MW #4/ TPWD Fishery	4	M	2017	1564.25	452.75	0.60	3/25/24	1563.65	Sat	
	5661101	1116	HGCD MW #5/ Kerr WMA	4	M	2073	1536.36	536.64	0.48	3/27/24	1535.88	E-Line	
	5655805	1117	HGCD MW #6/ Goat Creek Rd	4	M	1864	1714.93	149.07	0.13	3/27/24	1714.80	E-Line	
	6908304	1157	HGCD MW #7 LT/ Stoneleigh Rd @ Kaiser Dr	2	L	1651	1338.48	312.52	1.15	3/26/24	1337.33	E-Line	
	6908305	1157	HGCD MW #7 MT/ Stoneleigh	2	M	1651	1332.78	318.22	3.22	3/26/24	1329.56	E-Line	
	5643901	1498	HGCD MW #8 Moon Shadows/2 DOT Ranch	4	M	2039	1574.27	464.73	0.27	3/25/24	1574.00	E-Line	
	5659201	1499	HGCD MW #9 Lang Ranch	4	M	2317	1716.85	600.15	0.00	3/25/24	1716.85	Sat	
	6904503	1500	HGCD MW #10 Menagerie Ranch	4	M	2225	1514.82	710.18	-0.33	3/25/24	1515.15	Sat	
	5663924	1501	HGCD MW #11 LT/ Rancho Rd	1	L	1703	1420.79	282.21	0.88	3/25/24	1419.91	Sat	
	5663923	1501	HGCD MW #11 MT/Rancho Rd	1	M	1703	1385.79	317.21	1.61	3/25/24	1384.18	Sat	
	5652704	1646	HGCD MW #12 / Taylor Ranch	4	M	2239	1570.75	668.25	-1.73	3/27/24	1572.48	E-Line	
	5654106	1864	HGCD MW#13/ Lower Reservation School	4	M	2182	1614.95	567.05	-1.55	3/27/24	1616.50	E-Line	
	5664301	2048	HGCD MW #14 MT Stuart Barron Ranch	1	M	2015	1571.36	443.64	0.57	3/26/24	1570.79	E-Line	
	5661907	2396	HGCD MW#15/ Camp Mystic Hwy 39	4	L	1868	1523.77	344.23	0.45	3/25/24	1523.32	E-Line	
	5644901	2375	HGCD MW#16/ I-10 Frontage towards Junction	4	M	2190	1583.94	606.06	-0.06	3/25/24	1584.00	Sat	
	5749802	2548	HGCD MW #17/ Hidden Springs	3	Ell	1930	1555.27	374.73	0.69	3/26/24	1554.58	E-Line	
	6907305	2656	HGCE MW #18 Neunhoffer Ranch	2	L	1633	1331.28	301.72	0.39	3/26/24	1330.89	E-Line	
	5664711	1700	Ag Barn/ @ Kerr Co. Fairgrounds on Hwy 27E	2	M	1590	1382.30	207.70	1.42	3/26/24	1380.88	E-Line	
	5663305	03-593	James Avery Headquarters	1	M	1782	1514.96	267.04	-0.17	3/27/24	1515.13	E-Line	
	5662505	1428	Canyon Springs	4	C	1755	1272.27	482.73	3.47	3/27/24	1268.80	E-Line	
	5663922	1766	COK MacHolliman	2	L	1692	1383.42	308.58	2.81	3/25/24	1380.61	Sat	
	6908611	1004	CPISD Pirate Place	2	C	1512	1282.35	229.65	0.68	3/26/24	1281.67	E-Line	
	5757703	1761	Cypress Creek Rusch Ranch	3	M	1562	1403.39	158.61	2.64	3/26/24	1400.75	E-Line	
	5663916	02-461	Donna Drive @ Rancho Rd	1	M	1755	1387.38	367.62	1.59	3/26/24	1385.79	E-Line	
	5663415	1022	HCAF/ Point Theater	4	M	1682	1425.50	256.50	1.00	3/27/24	1424.50	Sonic-Dp	
	5664503	2086	Hill Country Shooting Range	3	M	1971	1496.24	474.76	0.31	3/28/24	1495.93	E-Line	
	5663510	1799	Homer Dr	4	M	1708	1472.72	235.28	0.53	3/27/24	1472.19	E-Line	
	5662417	1522	Japonica Hills	4	L	2037	1450.20	586.80	-1.90	3/25/24	1452.10	Sonic-Dp	
	6908624	01-272	Jim Hayes Ranch	2	M	1509	1280.93	228.07	-0.29	3/26/24	1281.22	E-Line	
	5662205	1034	Johnson Creek RV	4	M	1797	1513.49	283.51	-1.20	3/27/24	1514.69	E-Line	
	6908513	1104	Kelly Street Aqua TX	2	L	1507	1237.52	269.48	1.05	3/26/24	1236.47	E-Line	
	5757402	1973	Lagro Place	3	M	1703	1505.81	197.19	1.36	3/28/24	1504.45	E-Line	
	5662415	97-069	La Hacienda	4	M	1828	1451.44	376.56	-0.91	3/27/24	1452.35	E-Line	
	6916201	1754	Nibblett Ranch	2	M	1554	1226.30	327.70	-2.70	3/26/24	1229.00	Sonic-Dp	
	6908201	1752	Shady Grove - Johnson Dr	2	M	1630	1305.26	324.74	-0.79	3/26/24	1306.05	E-Line	
	5662414	98-003	Stonehenge Hwy 1340 Hill Ranch	4	M	1799	1491.90	307.10	0.10	3/27/24	1491.80	E-Line	
	6908511	1753	Old River Road RV Resort	2	C	1540	1267.75	272.25	-0.25	3/26/24	1268.00	E-Line	
	5652806	1971	White Cross Ranch #4 (Pature Well)	4	M	2185	1559.27	625.73	-0.12	3/25/24	1559.39	E-Line	
							Total change from previous month.		17.69				
NOTES:	<i>Italics indicate drouth index wells.</i>						Average Well Increase/Decrease		0.42				
							# Of Monitor Wells with increased levels	26.00	of 42 or	0.62			
							# Of Monitor Wells with decreased levels	15.00	of 42 or	0.36			
							# Of Monitor Wells with unchanged	1.00	of 42 or	0.02			
							Wells monitored monthly	42					

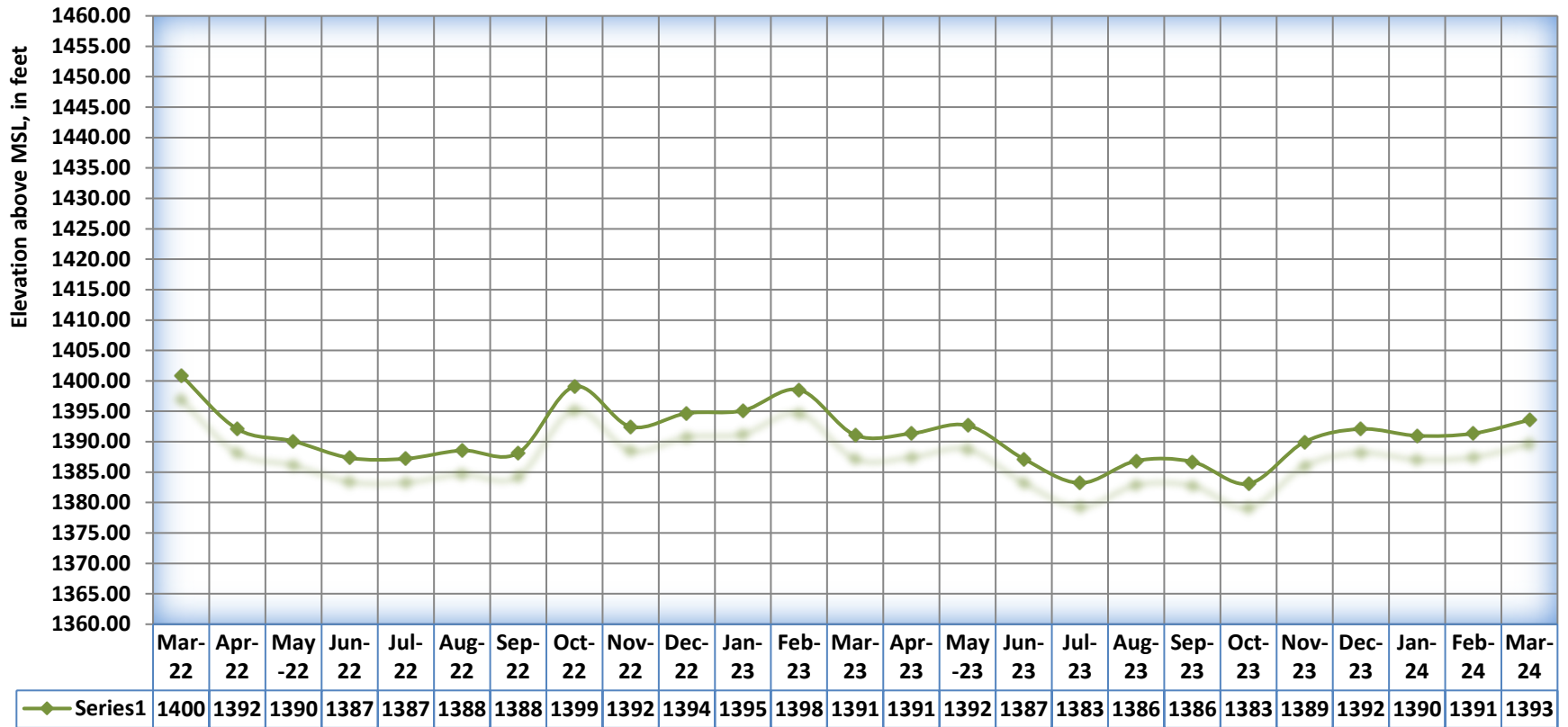
HGCD Monitor Well #1
 State Well#: 6801703 Middle Trinity (Series 2)
 State Well#: 6801704 Lower Trinity (Series 1)
 Dual Completion - Formations: Hensel & Hosston
 Elevation: 1524 Well Depth: 340 / 740



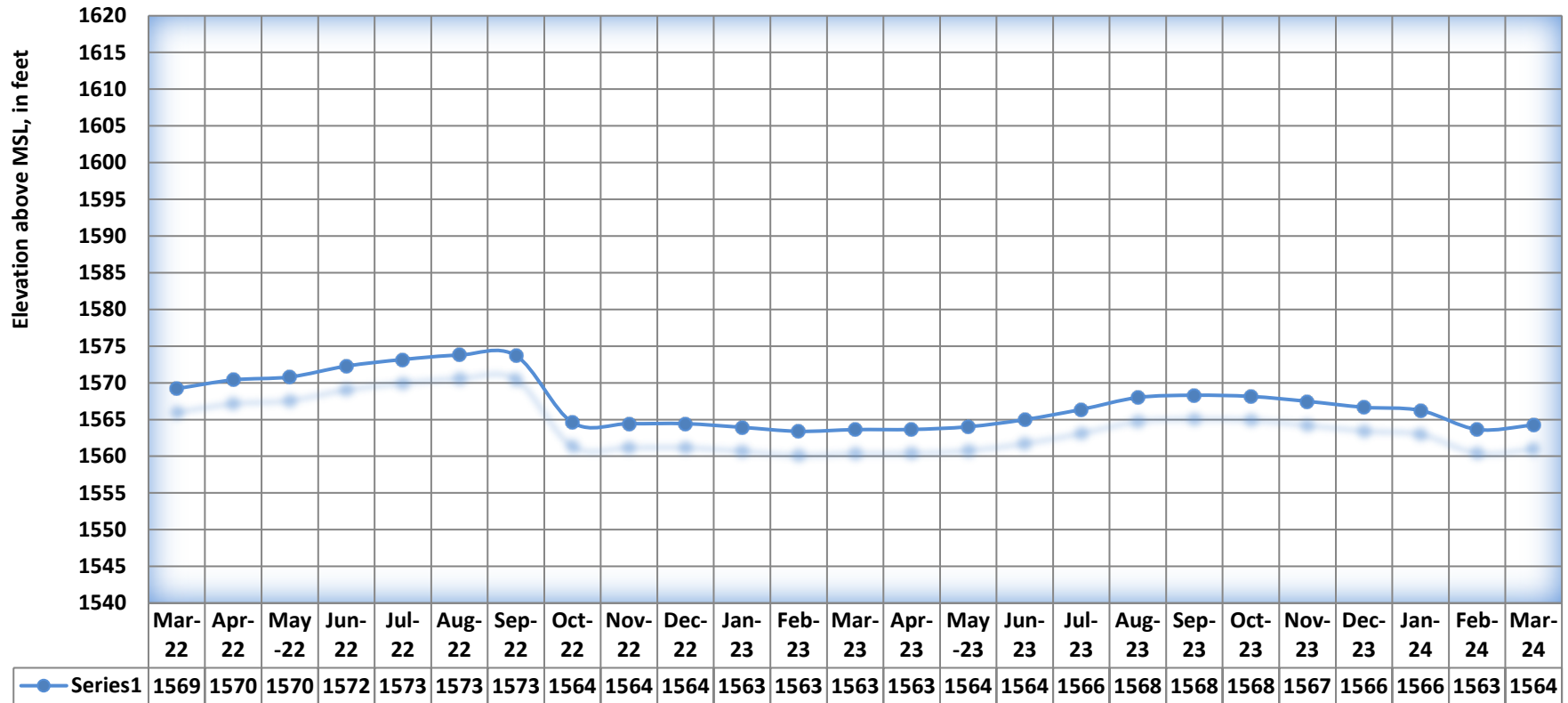
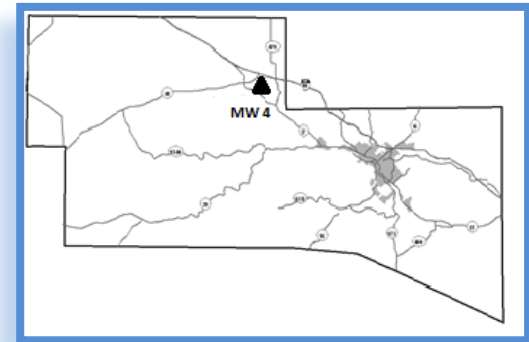
HGCD Monitor Well # 2
 State Well#: 6907107
 Formation: Hosston
 Aquifer: Lower Trinity
 Elevation 1750 Well Depth: 610



HGCD Monitor Well # 3
 State Well#: 5757805
 Formation: Hosston
 Aquifer: Lower Trinity
 Elevation: 1850 Well Depth: 530



HGCD Monitor Well #4
 State Well#: 5654405
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 2017 ft Well Depth: 840



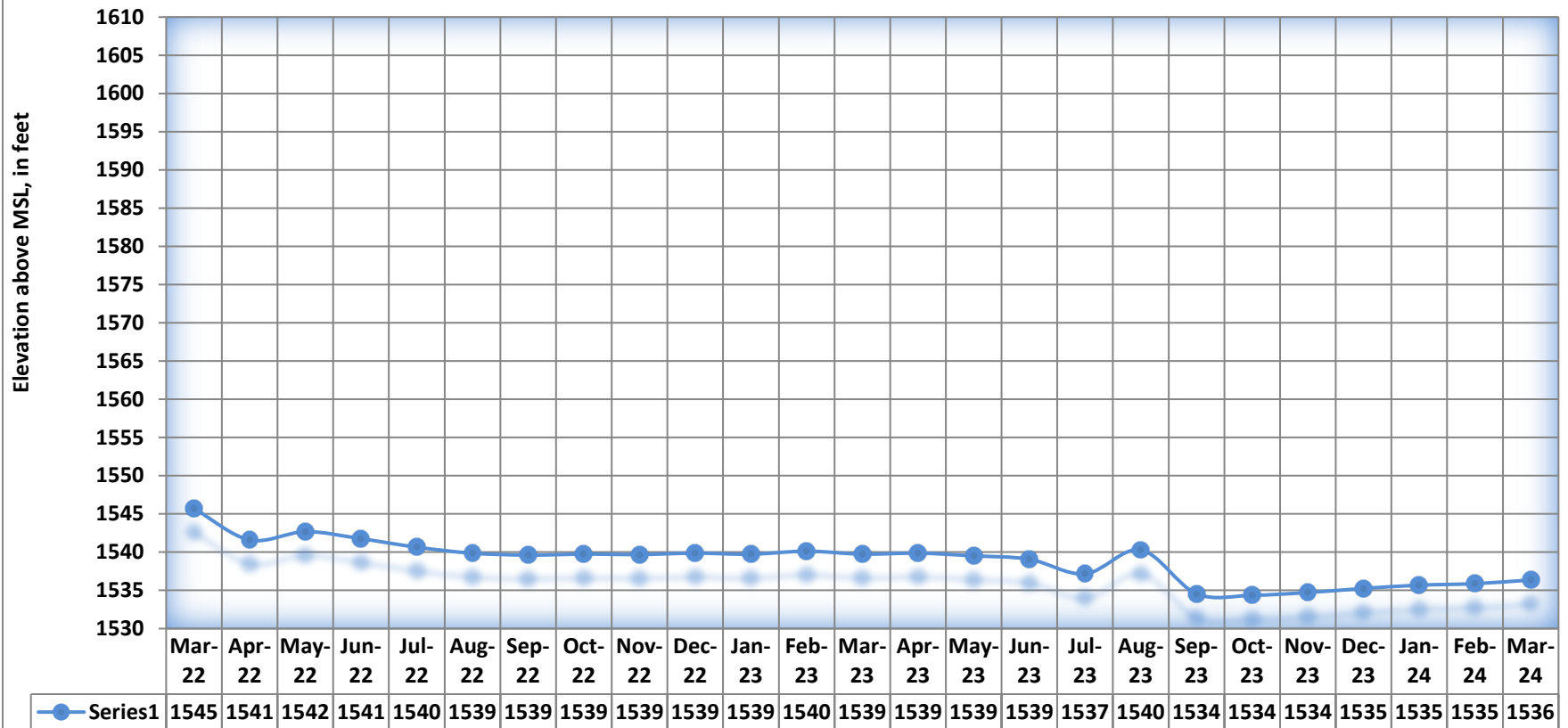
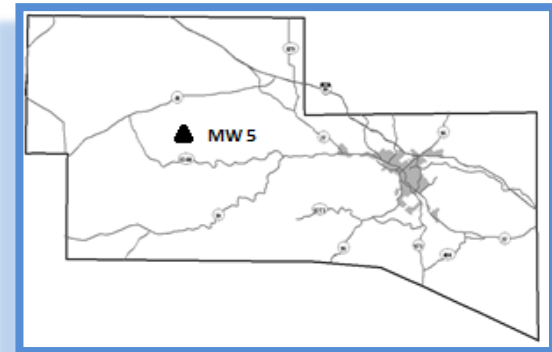
HGCD Monitor Well #5

State Well#: 5661101

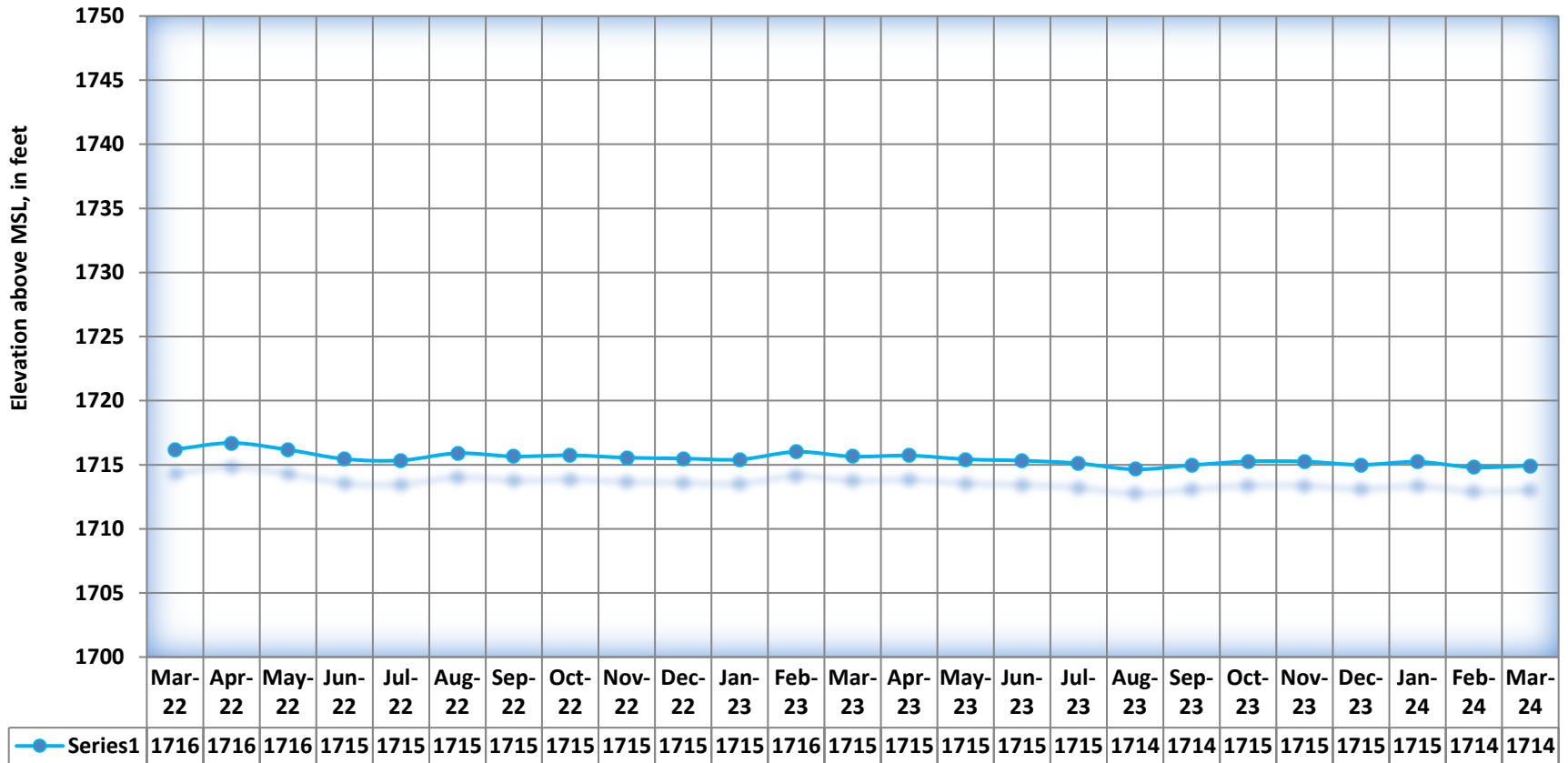
Formation: Hensel

Aquifer: Middle Trinity

Elevation: 2073 ft Well Depth: 890

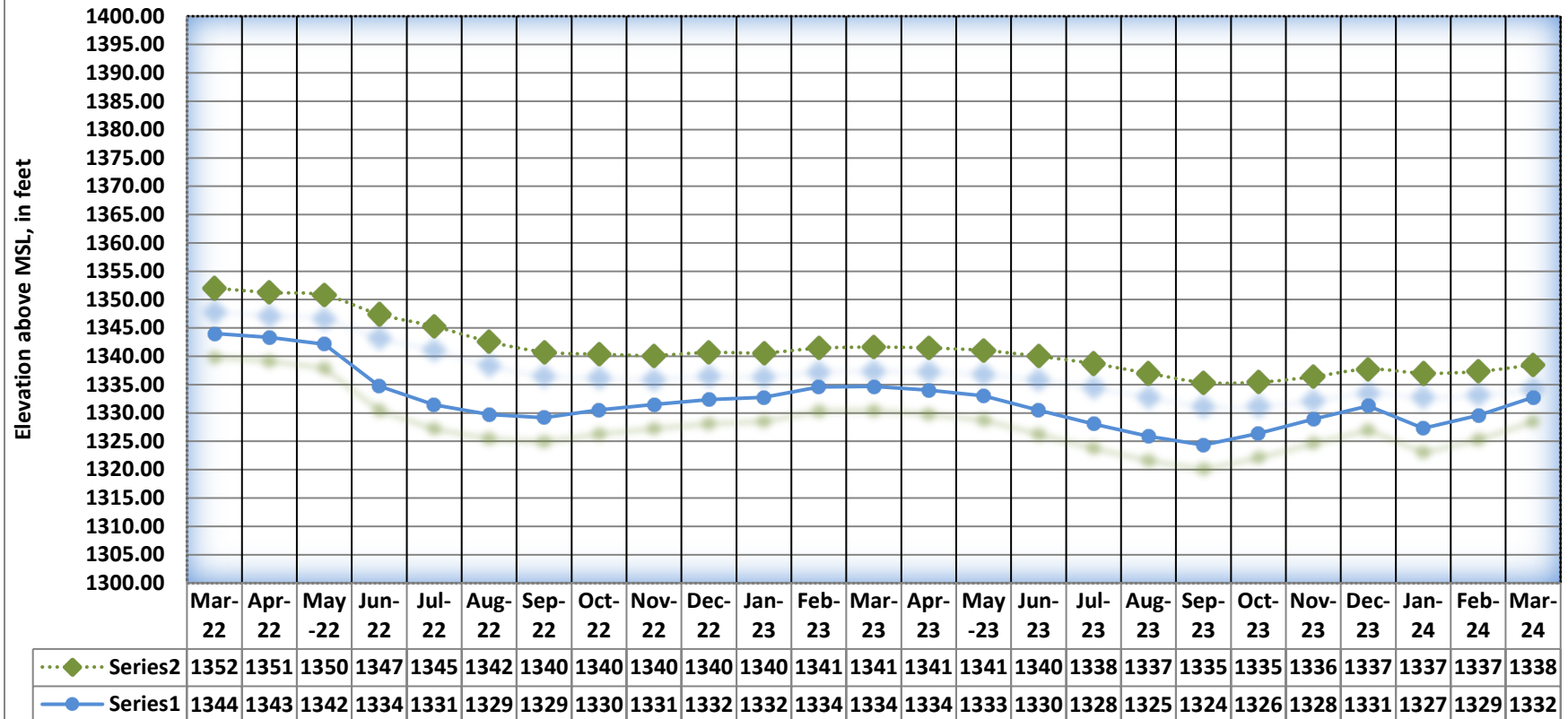


HGCD Monitor Well # 6
 State Well#: 5655805
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 1864 Well Depth: 605



HGCD Monitor Well #7

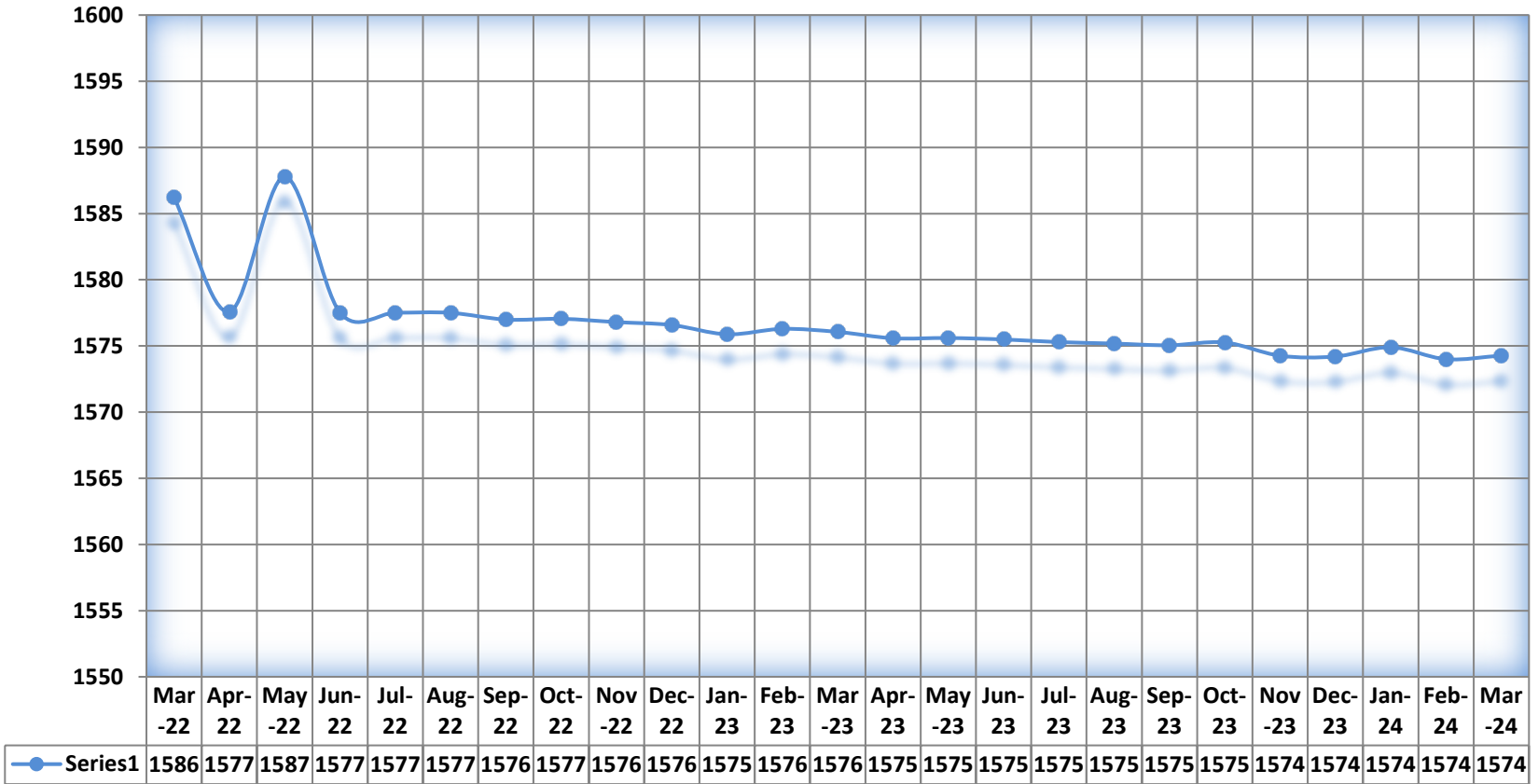
State Well#: 6908304
 Formation: Hensel
 Aquifer: Lower Trinity (Series 2)
 State Well#: 6908305
 Formation: Hosston
 Aquifer: Middle Trinity (Series1)
 Elevation: 1651 Well Depth: 760 / 520



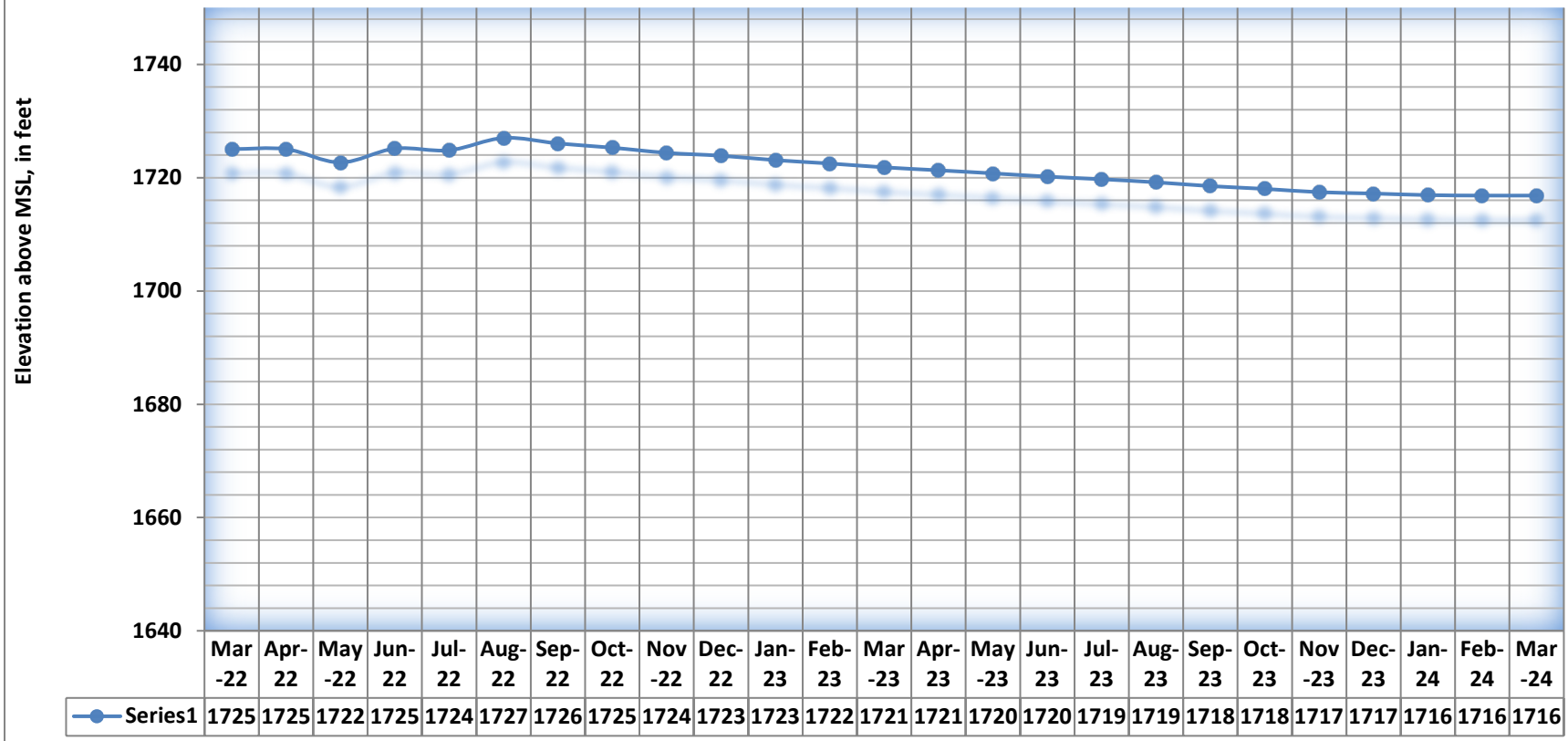
HGCD Monitor Well #8
 State Well#: 5643901
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 2039 ft Well Depth: 870 ft.



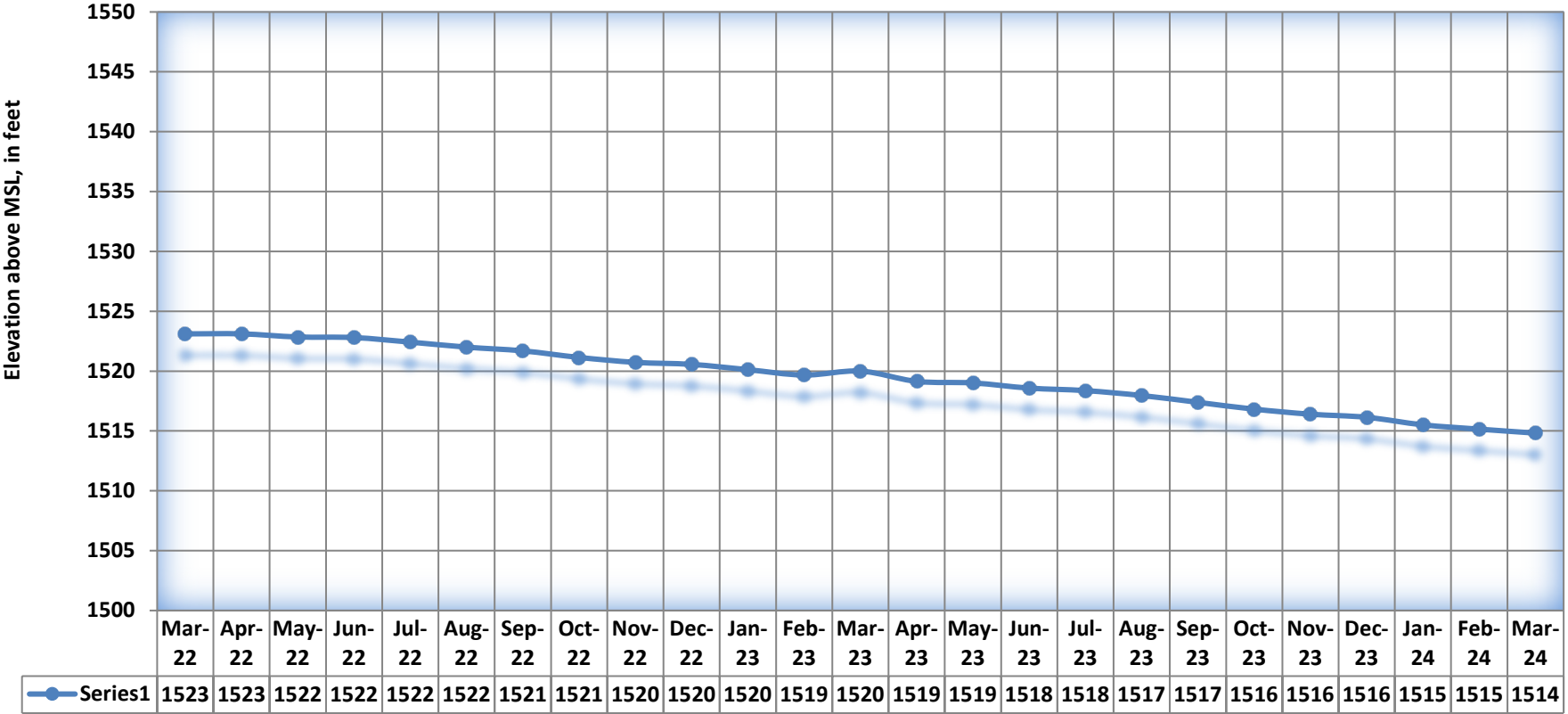
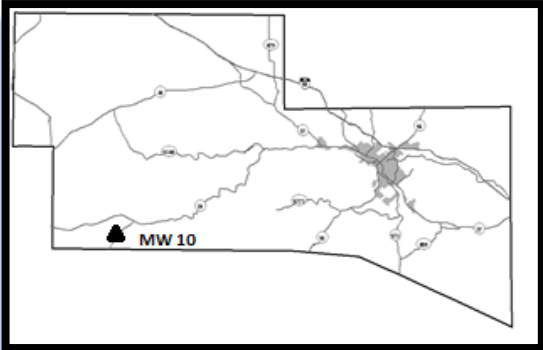
Elevation above MSL, in feet



HGCD Monitor Well #9
 State Well#: 5659201
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 2317 Well Depth: 1055

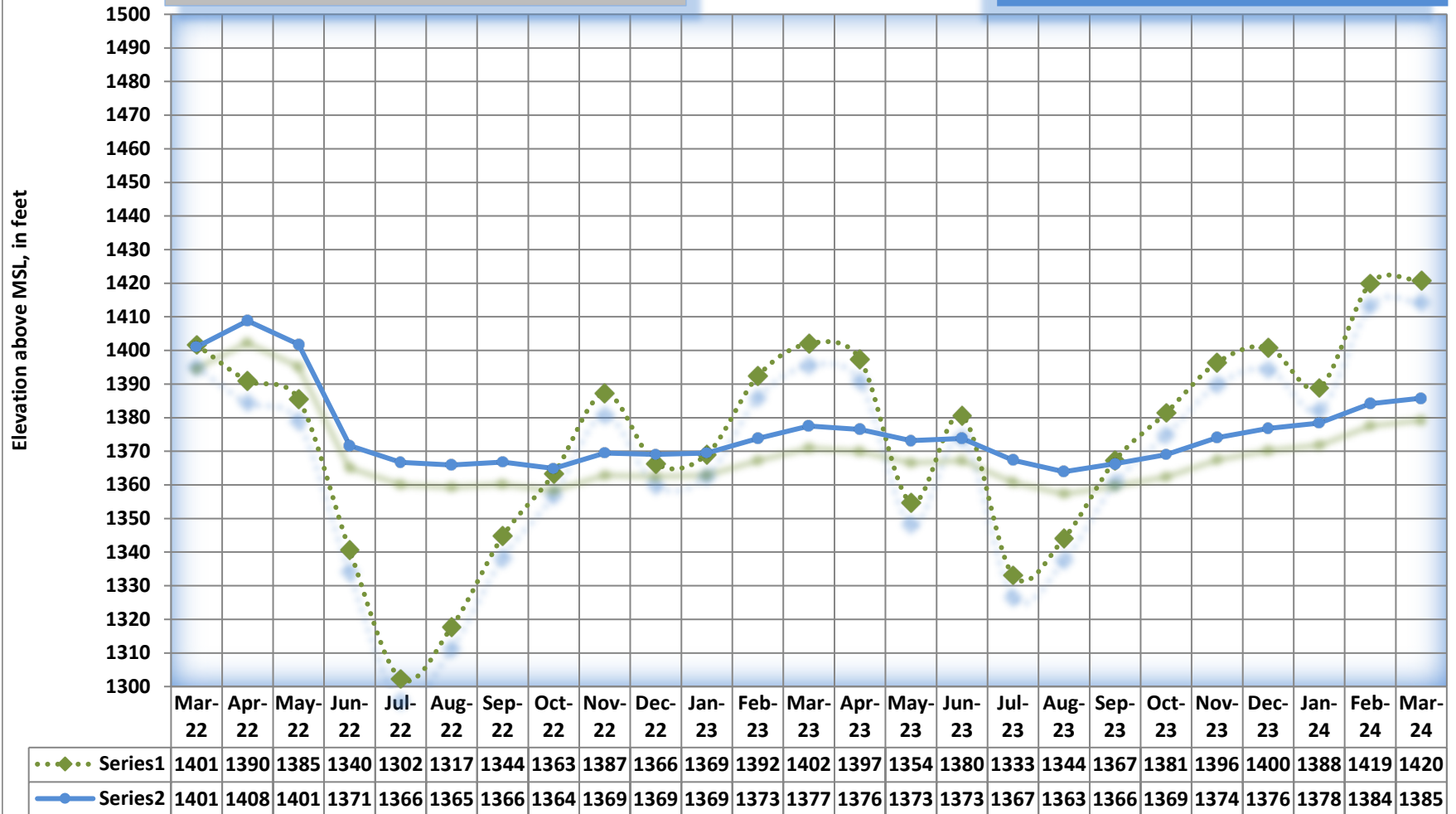
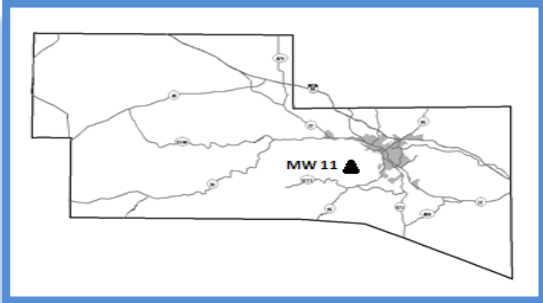


HGCD Monitor Well #10
 State Well#: 6904503
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 2225 ft. Well Depth: 1330 ft.

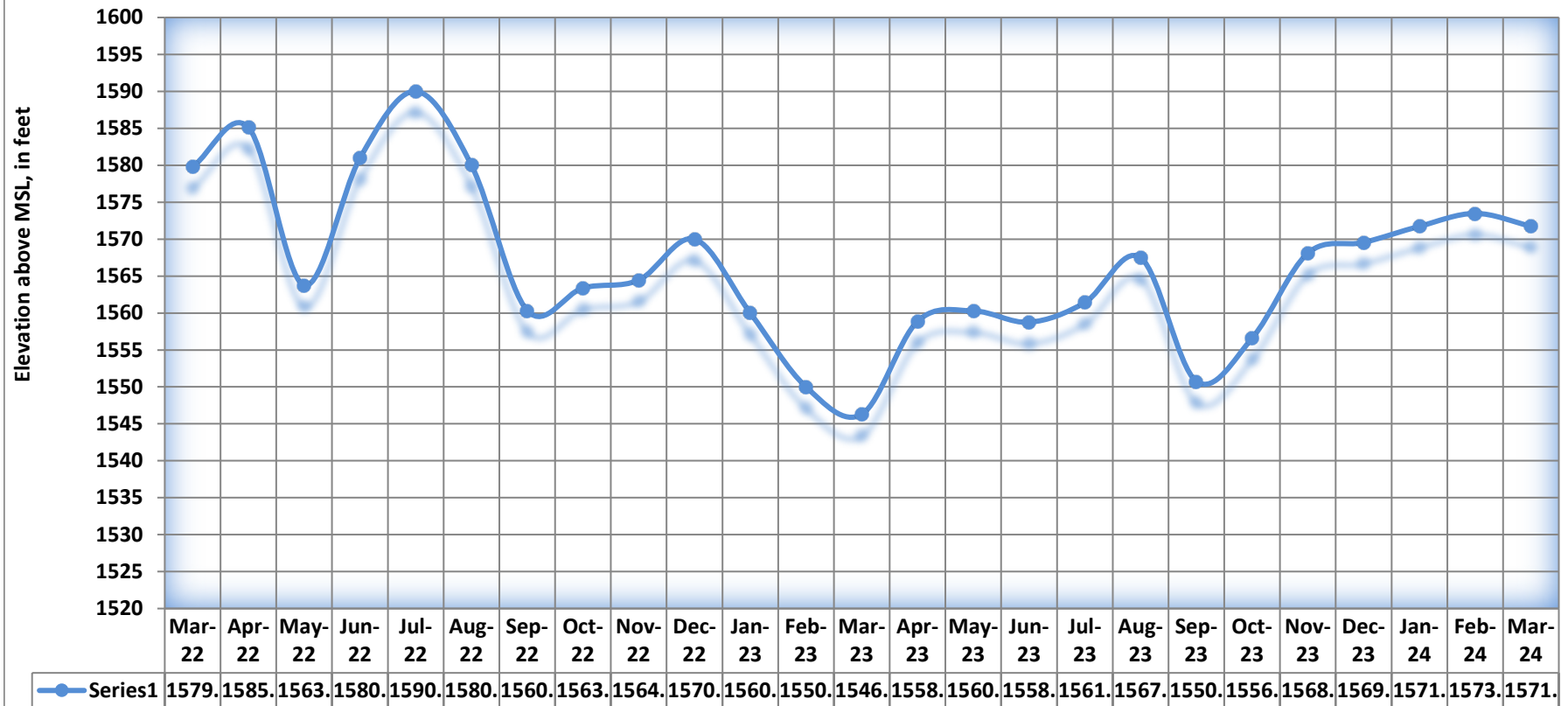
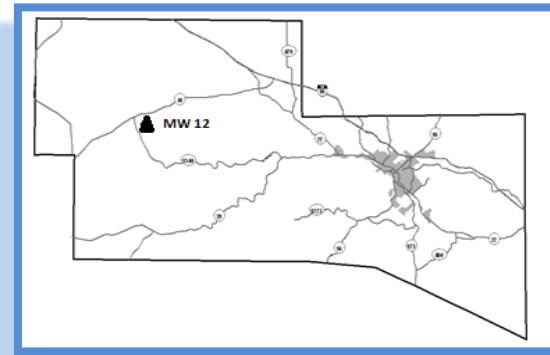


HGCD Monitor Well #11 MT & LT

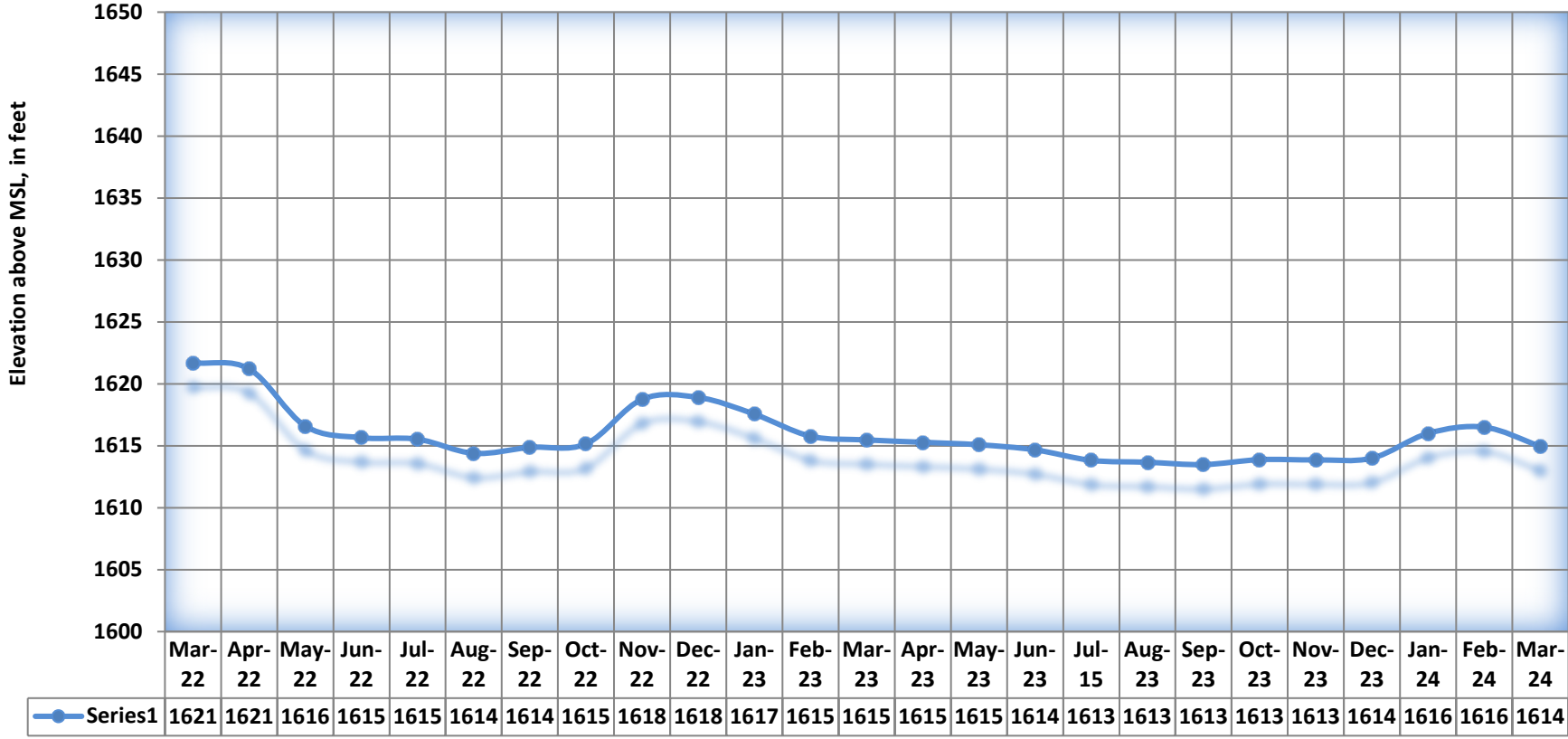
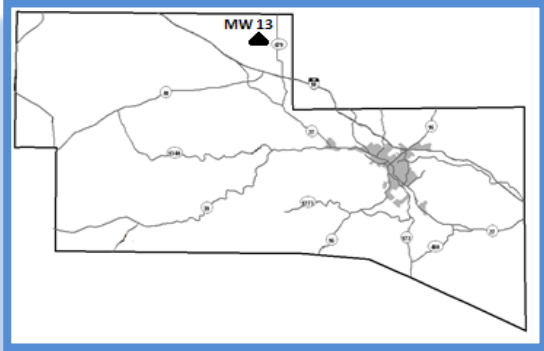
State Well#: 5663924
 Formation: Hosston
 Aquifer: Lower Trinity (Series 1)
 State Well#: 5663923
 Formation: Hensel
 Aquifer: Middle Trinity (Series 2)
 Elevation: 1703 ft Well Depth 770 ft & 440 ft



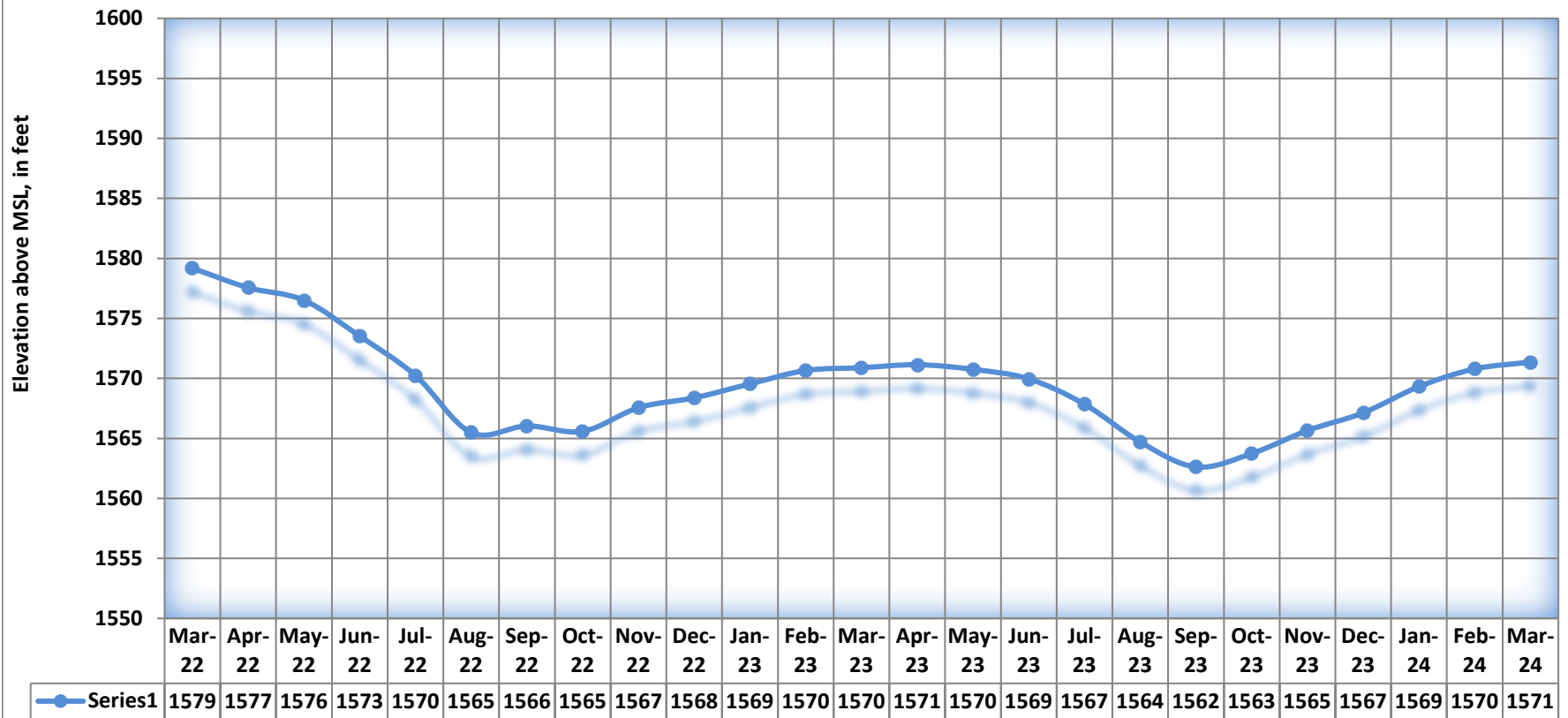
HGCD Monitor Well #12
 State Well#: 5652704
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 2239 ft. Well Depth: 1070 ft.



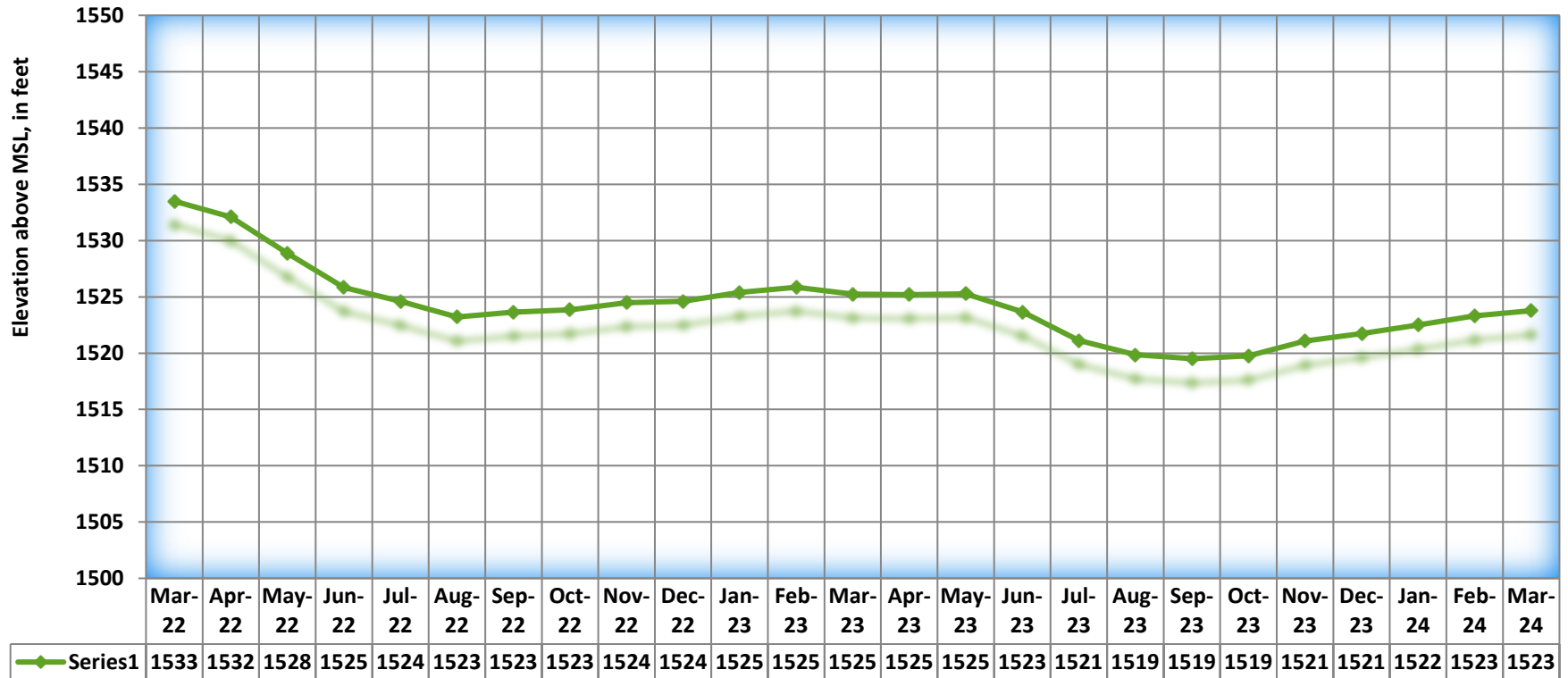
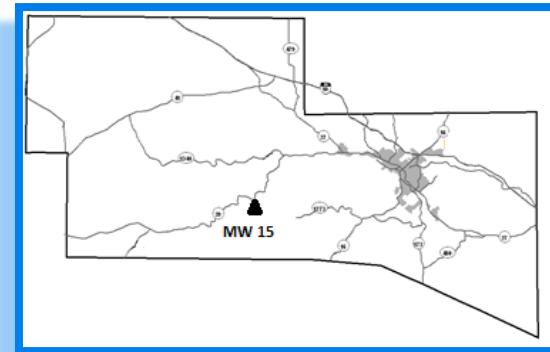
HGCD Monitor Well #13
 State Well#: 5654106
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 2182 ft. Well Depth: 900 ft.



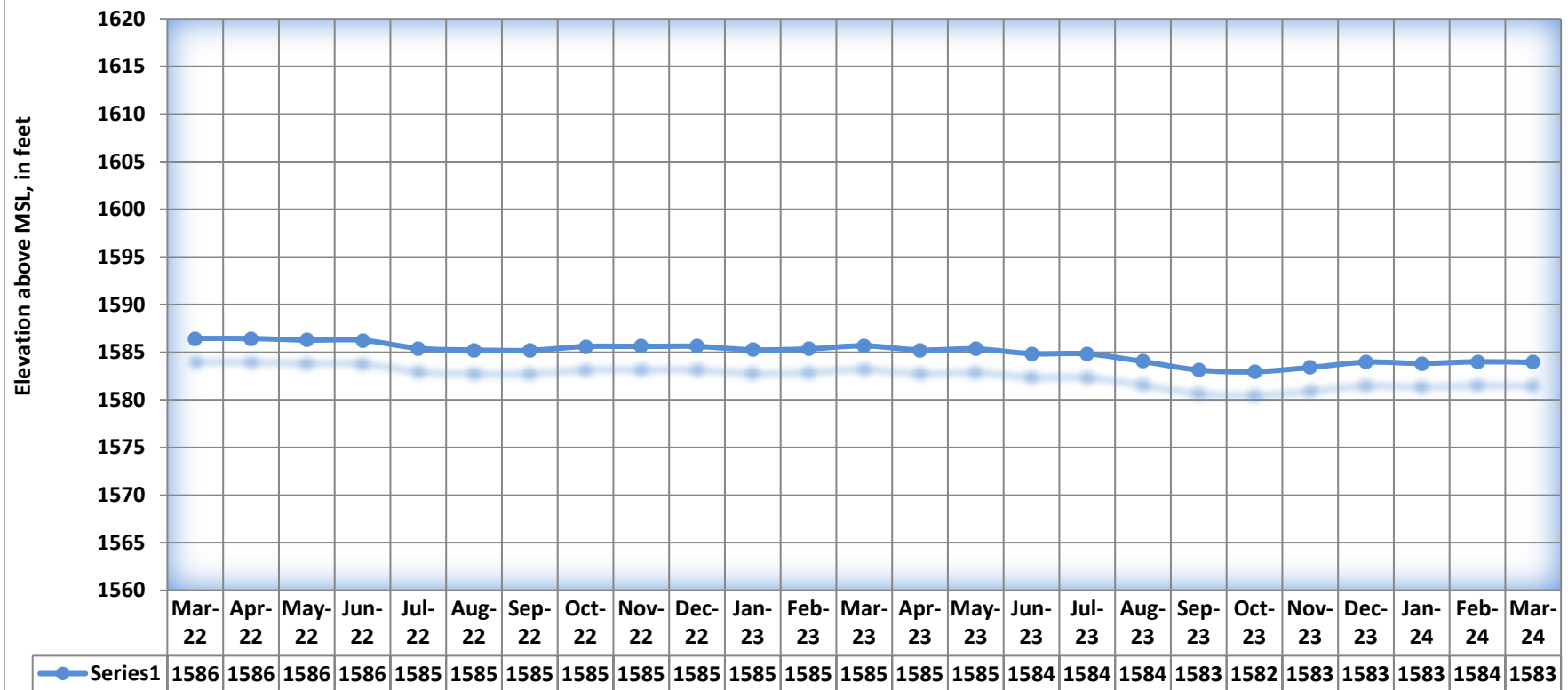
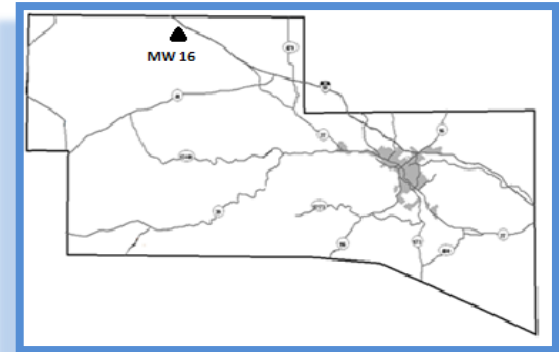
HGCD Monitor Well #14
 State Well#: 5664301
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 2015 ft. Well Depth: 760 ft.



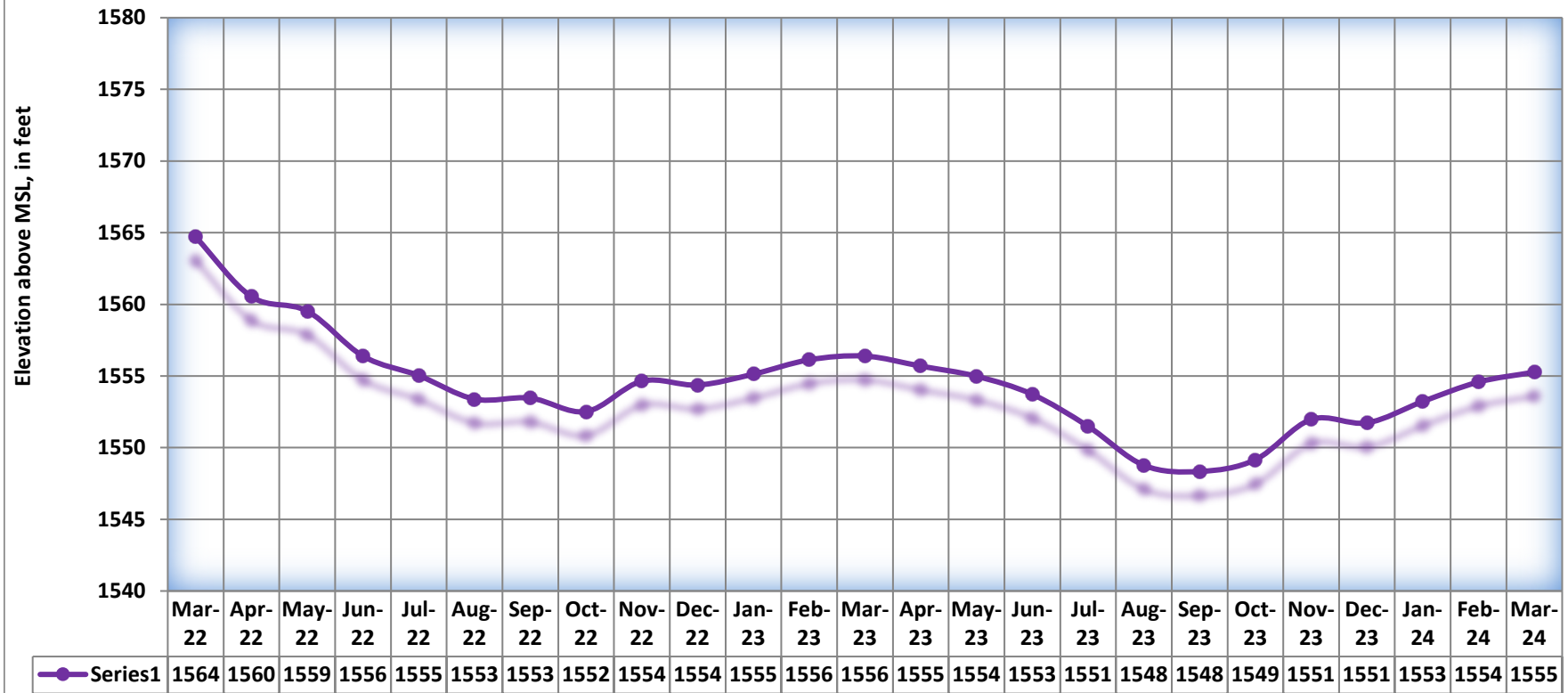
HGCD Monitor Well #15
 State Well#: 5661907
 Formation: Hosston
 Aquifer: Lower Trinity
 Elevation: 1870 ft Well Depth: 880 ft



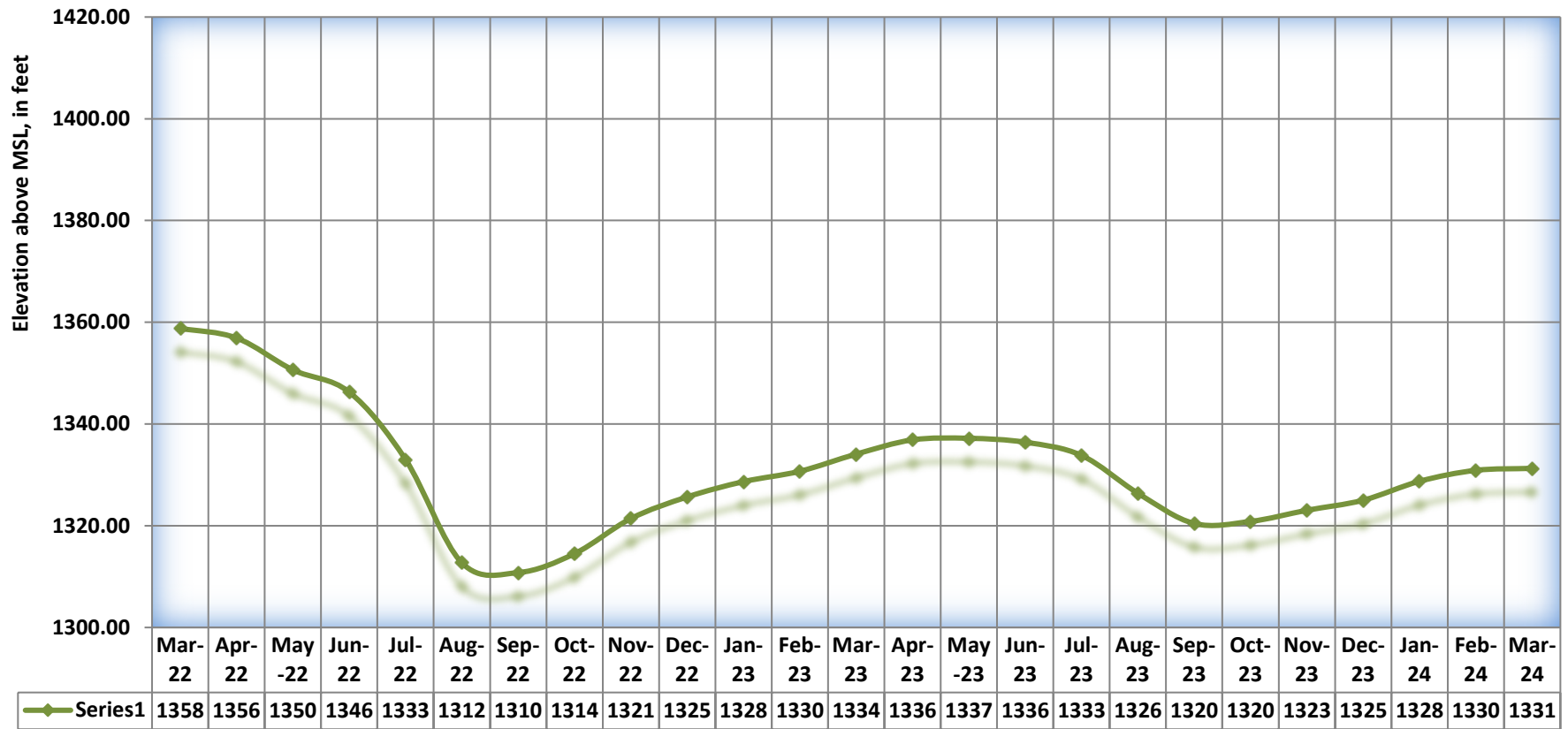
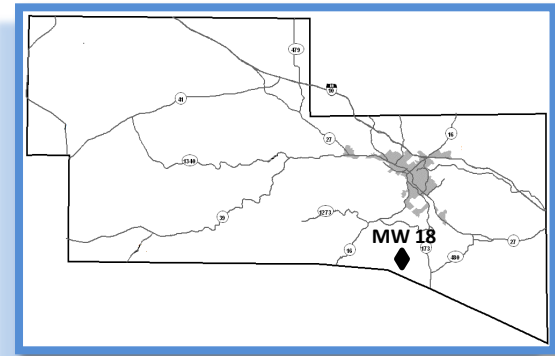
HGCD Monitor Well #16
 State Well#: 5644901
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 2190 ft. Well Depth: 1040 ft.



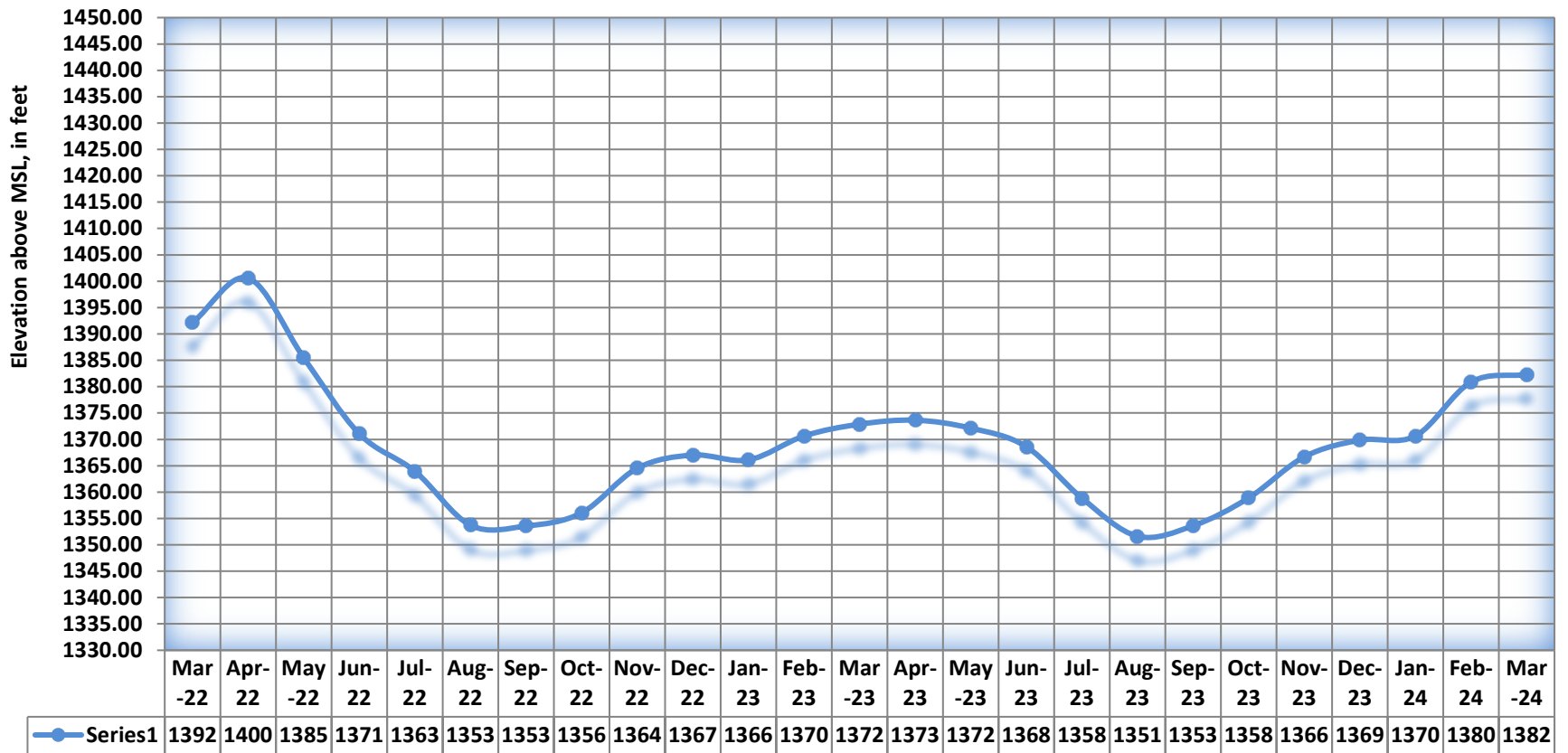
HGCD Monitor Well #17
 State Well#: 5749802
 Formation: Ellenburger
 Aquifer: Ellenburger
 Elevation: 1930' Well Depth: 1159'



HGCD MW# 18 Neunhoffer
 State Well#: 6907305
 Formation: Hosston
 Aquifer: Lower Trinity
 Elevation: 1633 Well Depth: 745



Ag Barn
 State Well#: 5664711
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 1590 Well Depth: 610



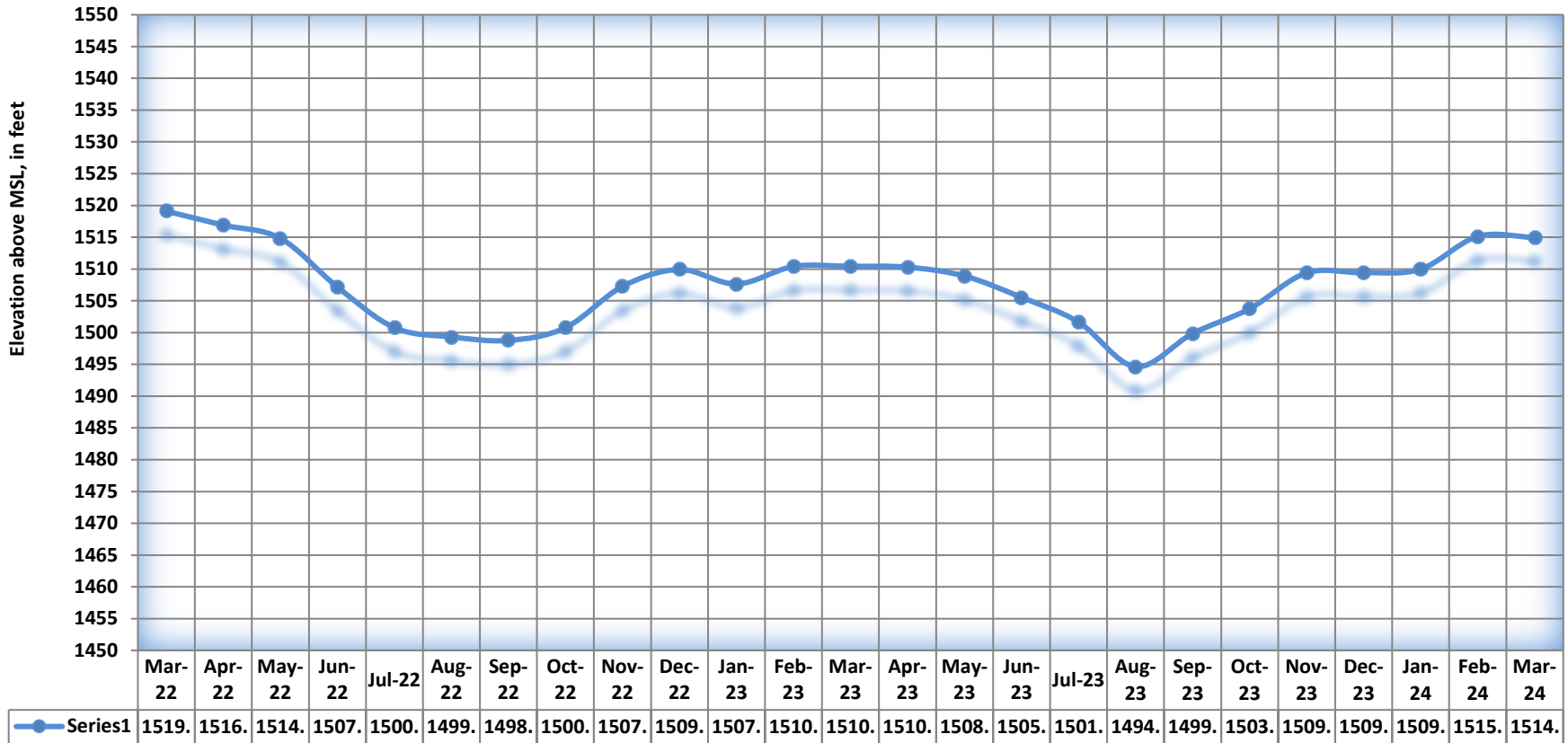
James Avery

State Well#: 5663305

Formation: Hensel

Aquifer: Middle Trinity

Elevation: 1782 Ft Well Depth: 440



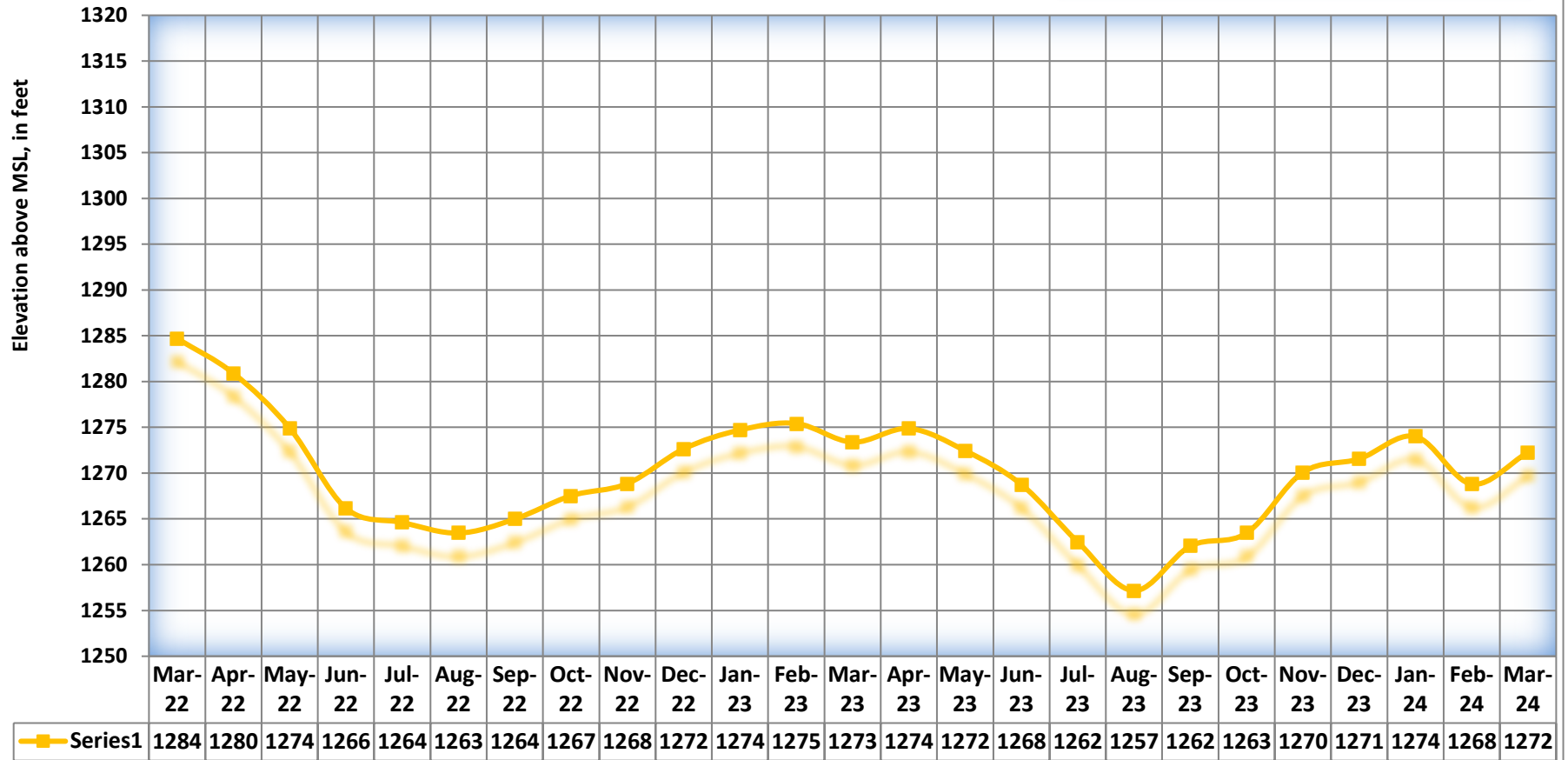
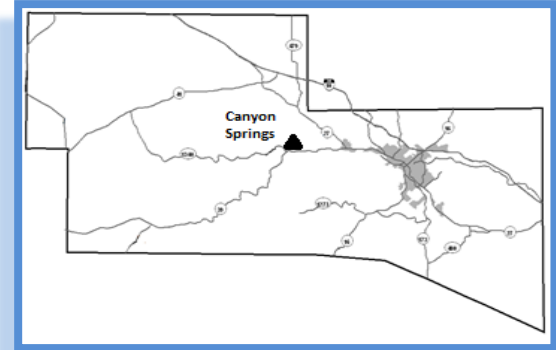
Canyon Springs

State Well#: 5668416

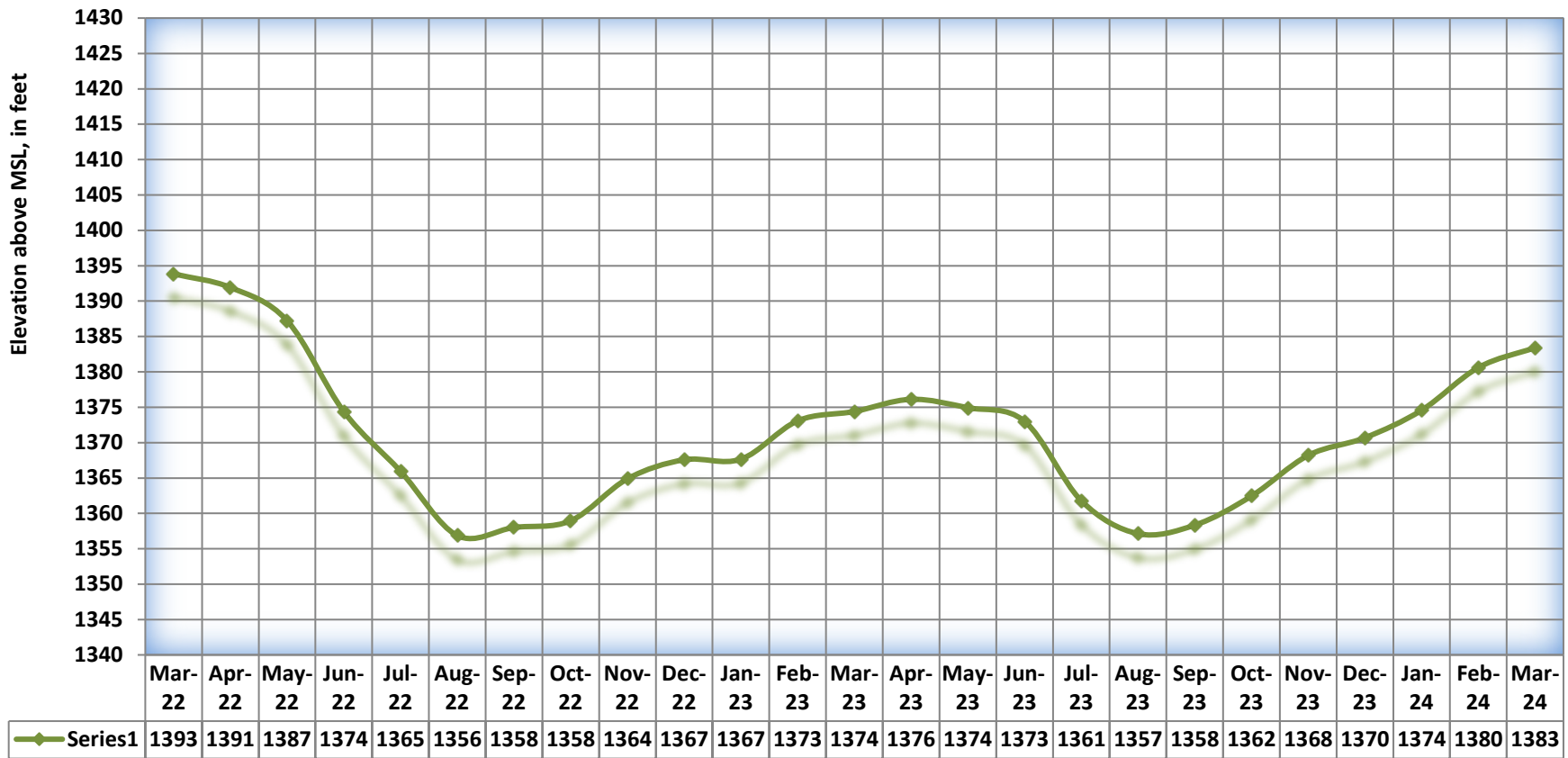
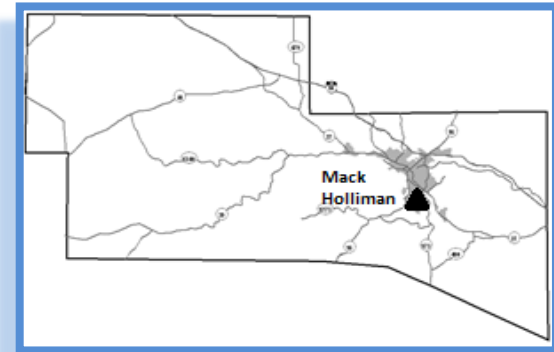
Formation: Hensel & Hosston

Aquifer: Middle & Lower Trinity Comingled

Elevation: 1755 ft Well Depth: 820 ft



COK Mack Holliman
 State Well#: 5663922
 Formation: Hosston
 Aquifer: Lower Trinity
 Elevation: 1692 Well Depth: 608



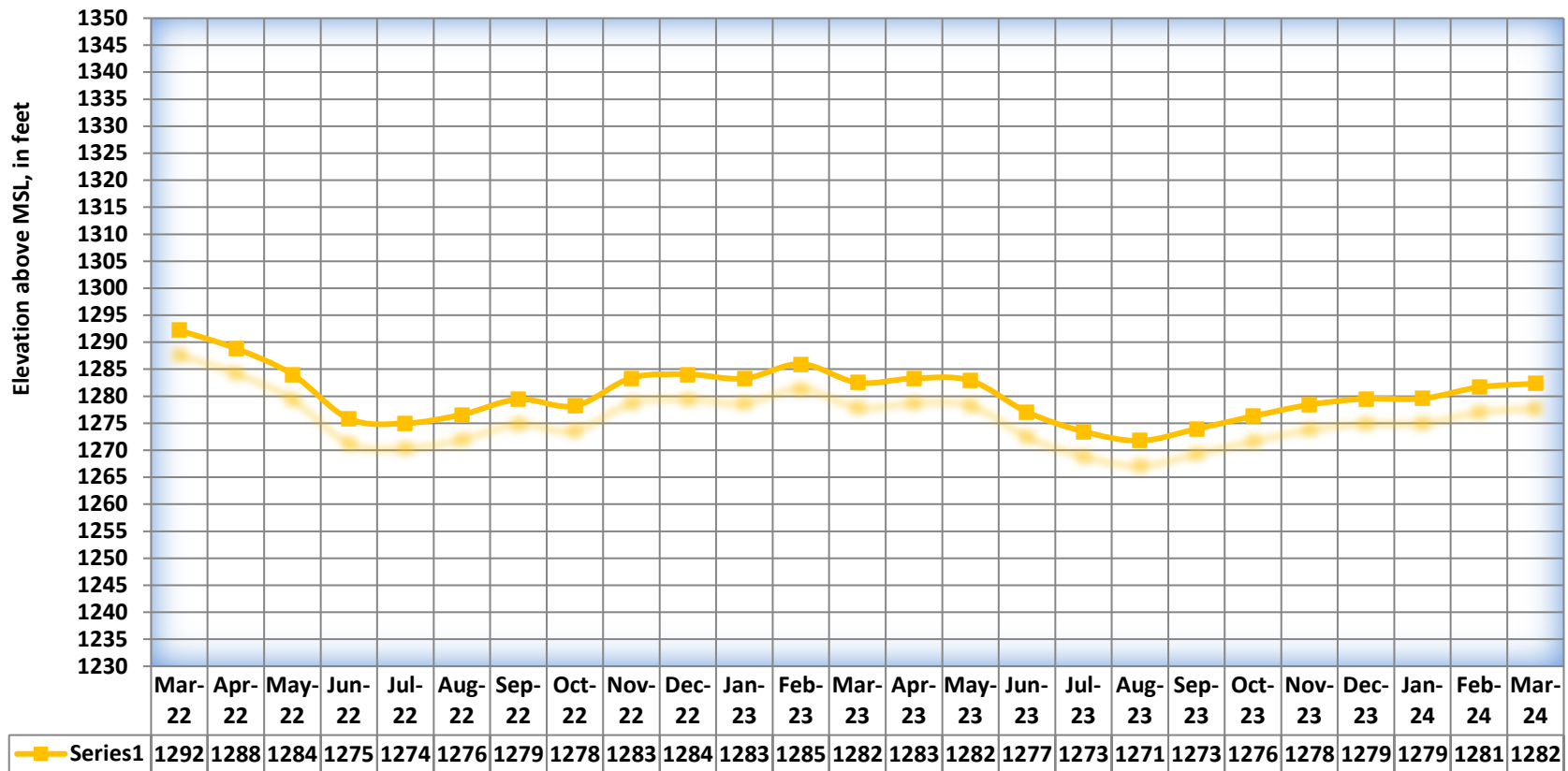
CPISD Pirate Place

State Well#: 6908611

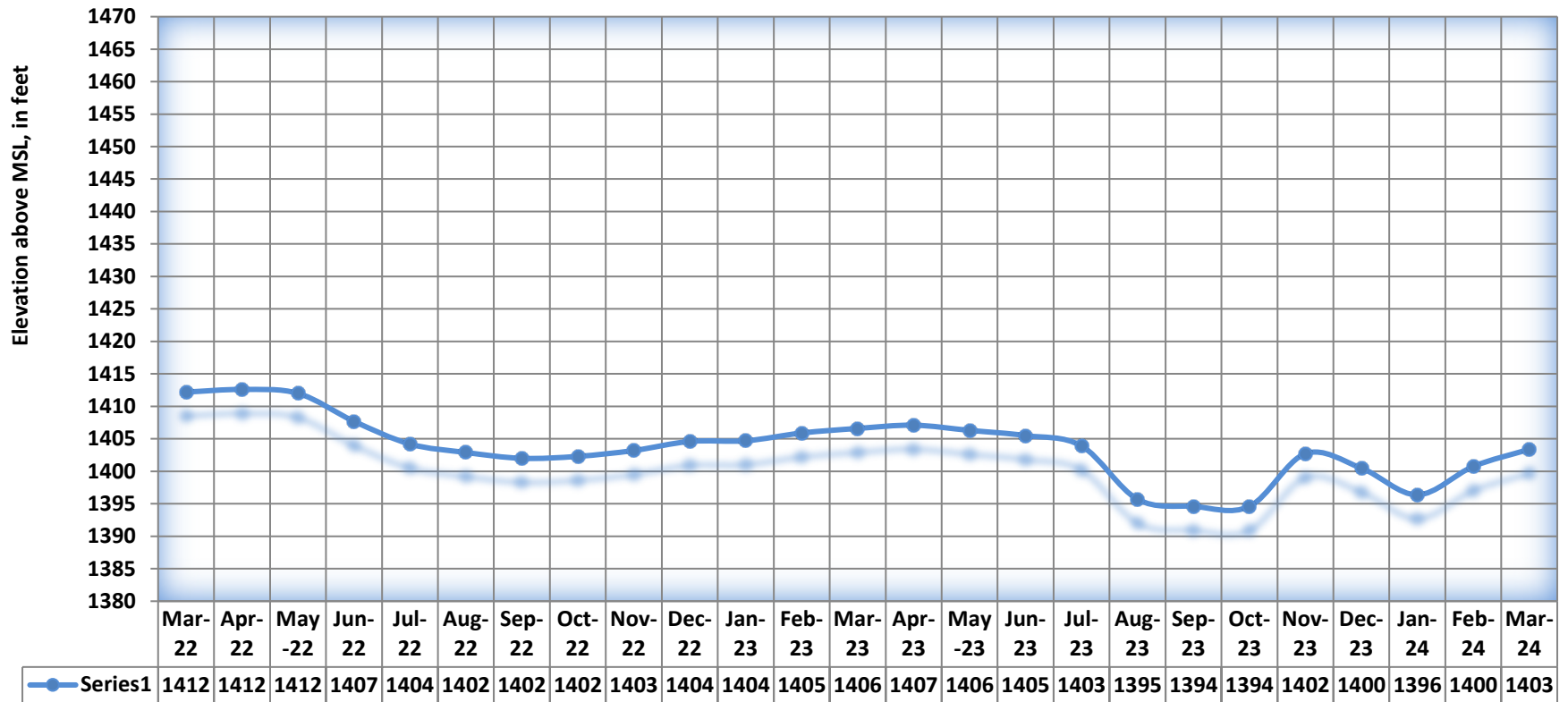
Formations: Hensel/Cow Creek/ Hosston

Aquifer: Comingled

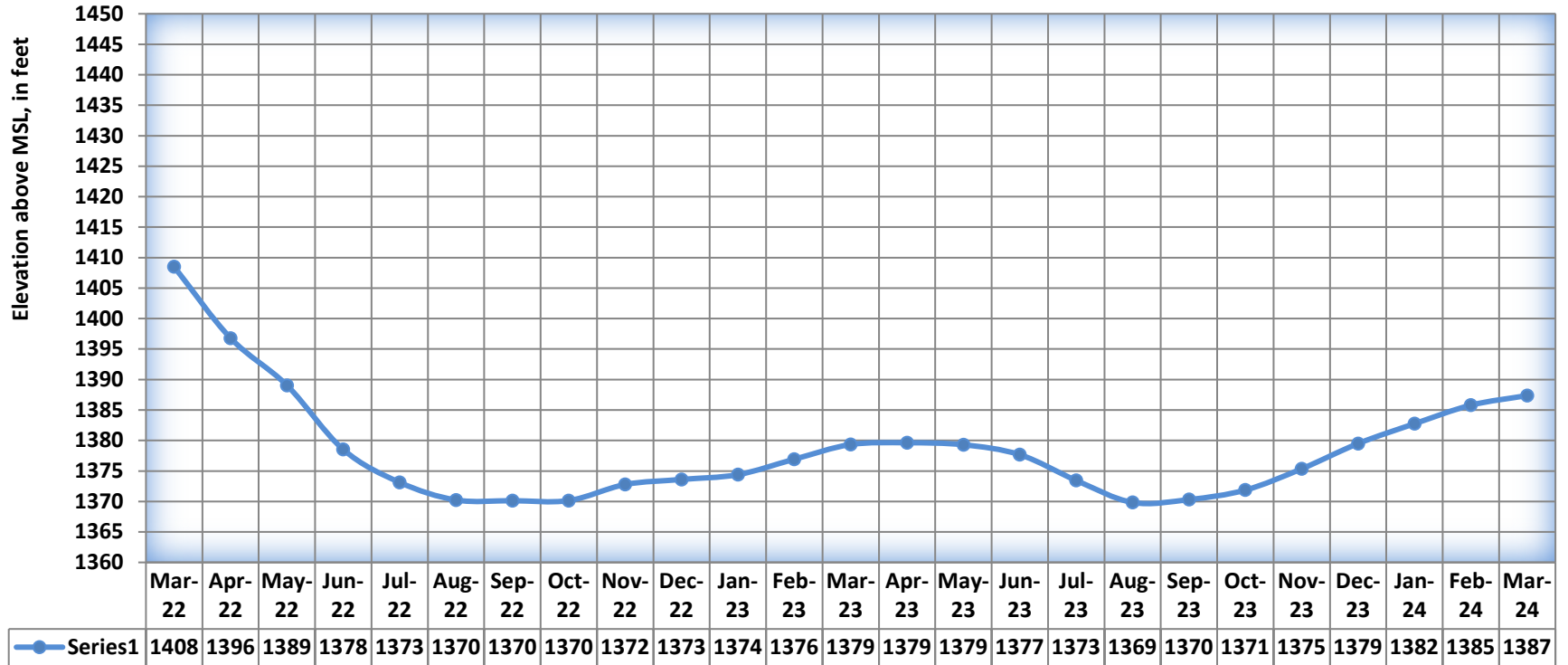
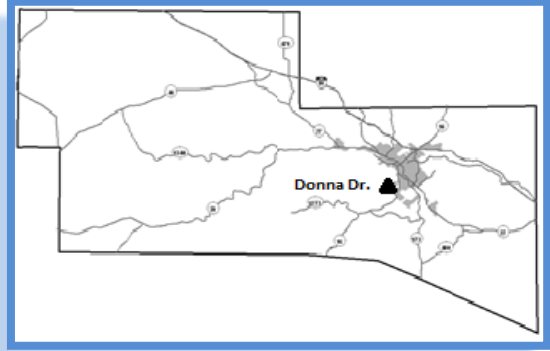
Elevation: 1512 Well Depth: 550



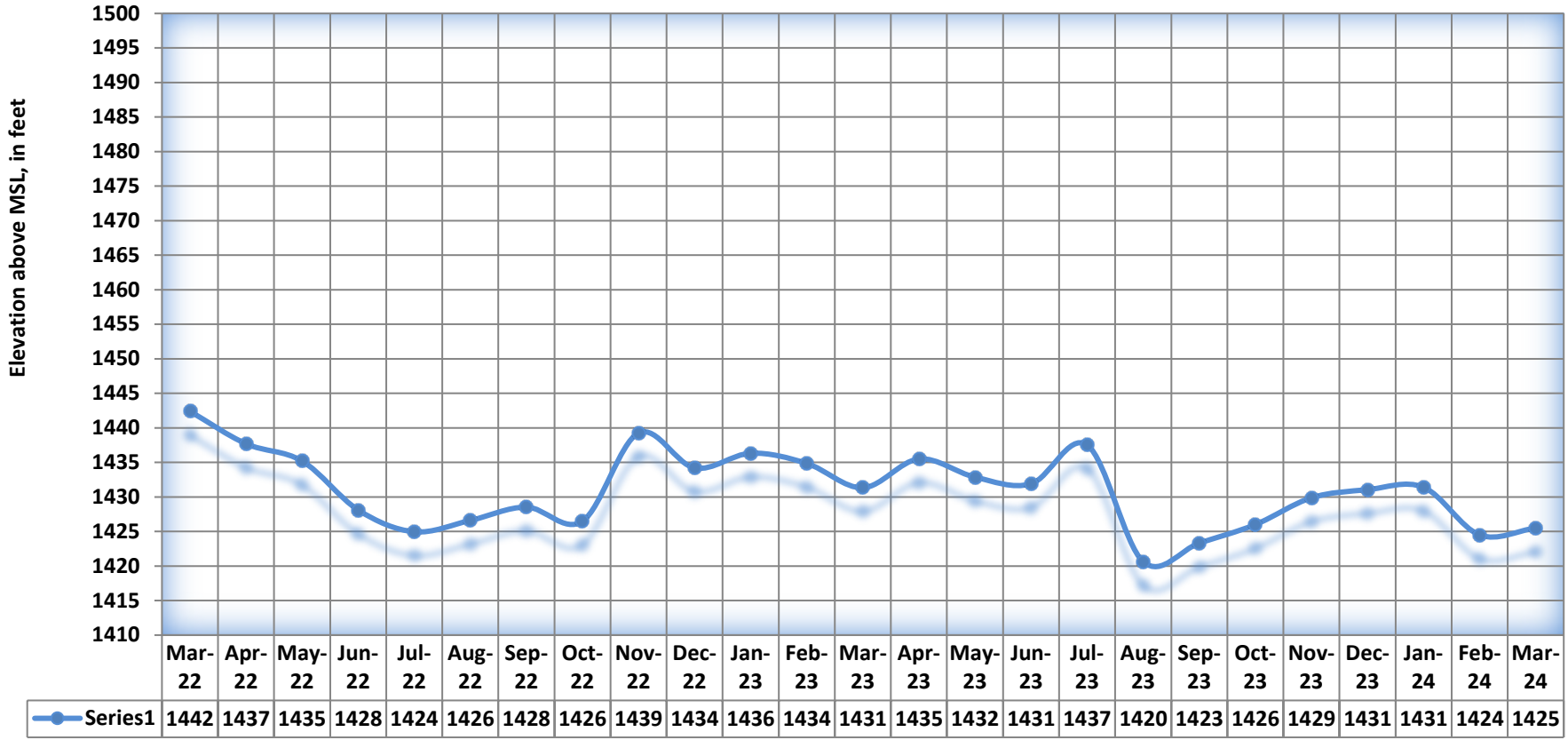
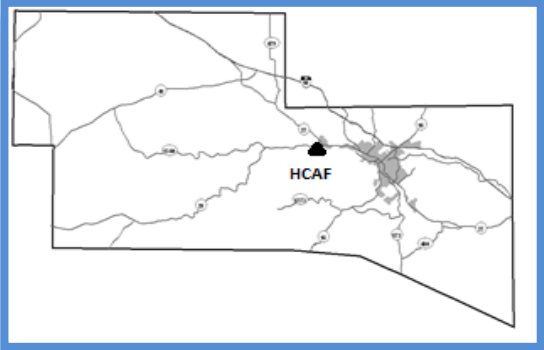
Cypress Creek
 State Well#: 5757703
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 1562 Well Depth: 360



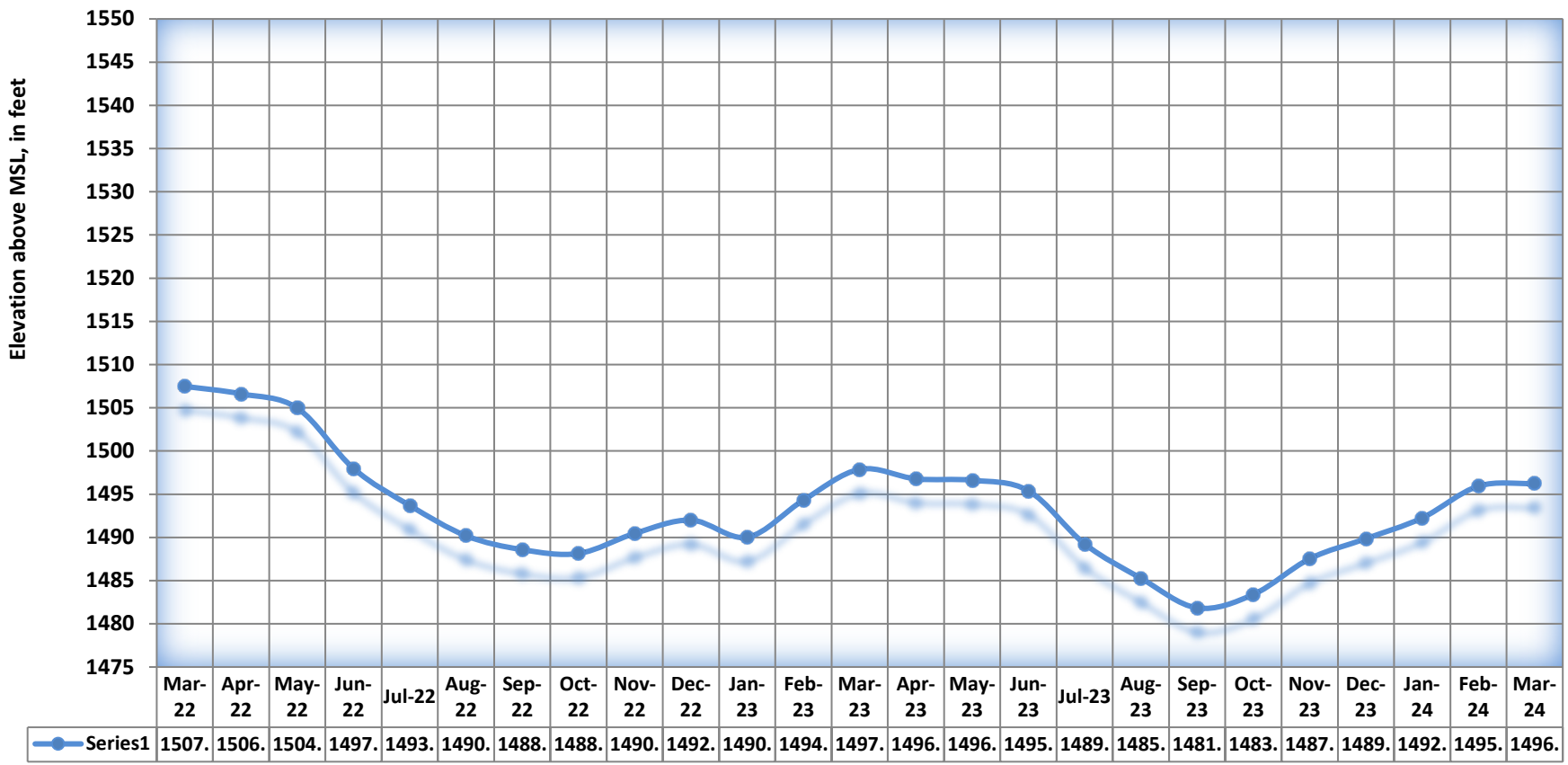
Donna Drive
 State Well#: 5663916
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 1755 Well Depth: 440 ft



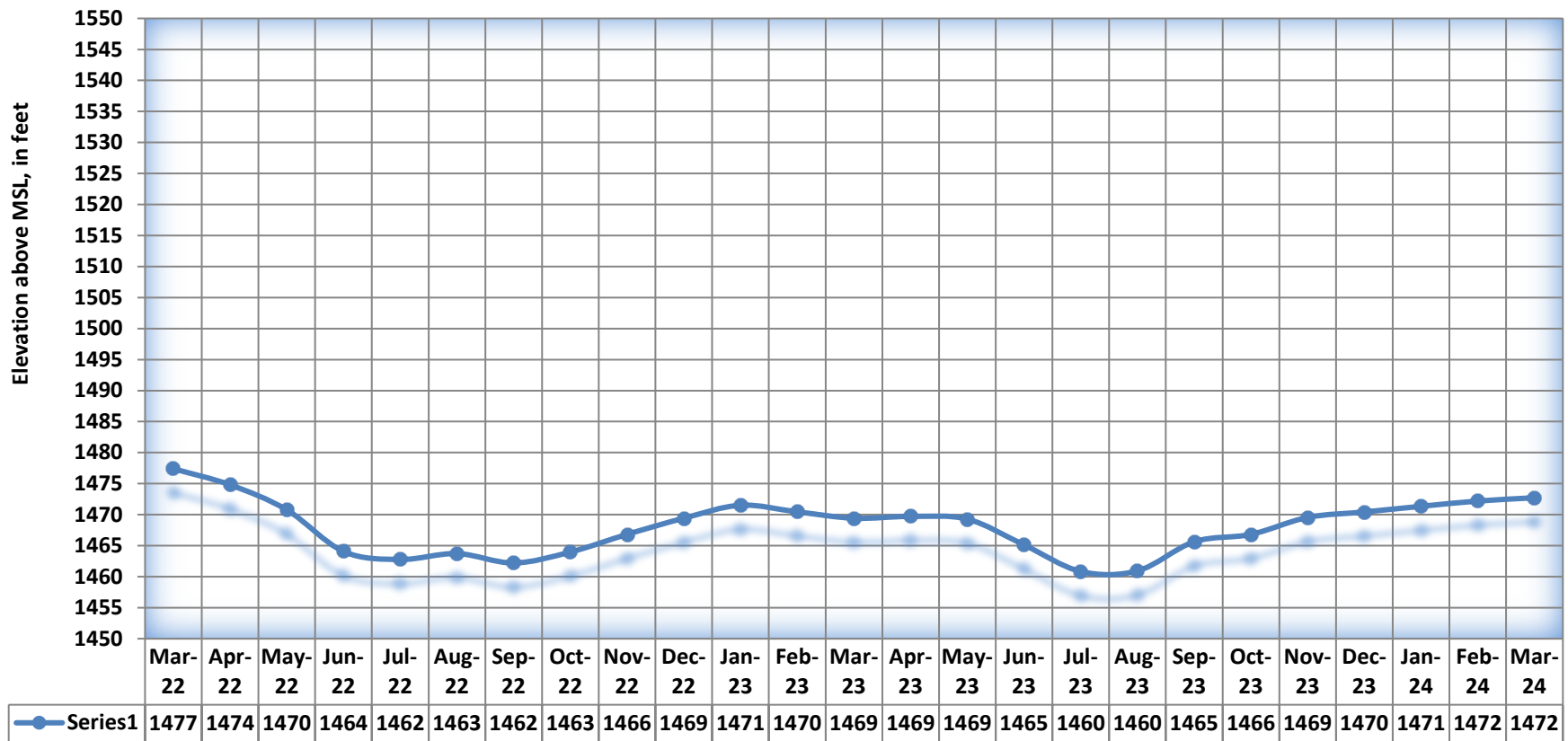
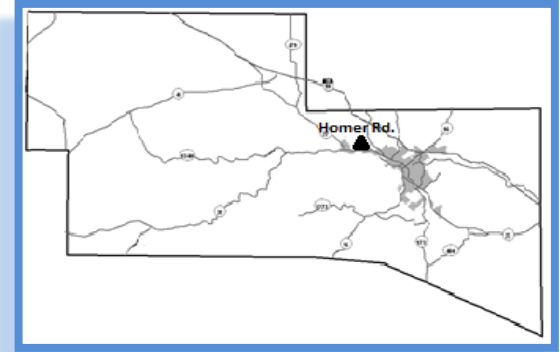
HCAF (Point Theatre)
 State Well#: 5663415
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 1682 Well Depth: 350



Hill Country Shooting Sports
 State Well#: 5664503
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 1971 ft Well Depth: 640 ft



Homer Drive
 State Well#: 5663510
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 1708 ft Well Depth: 780 ft



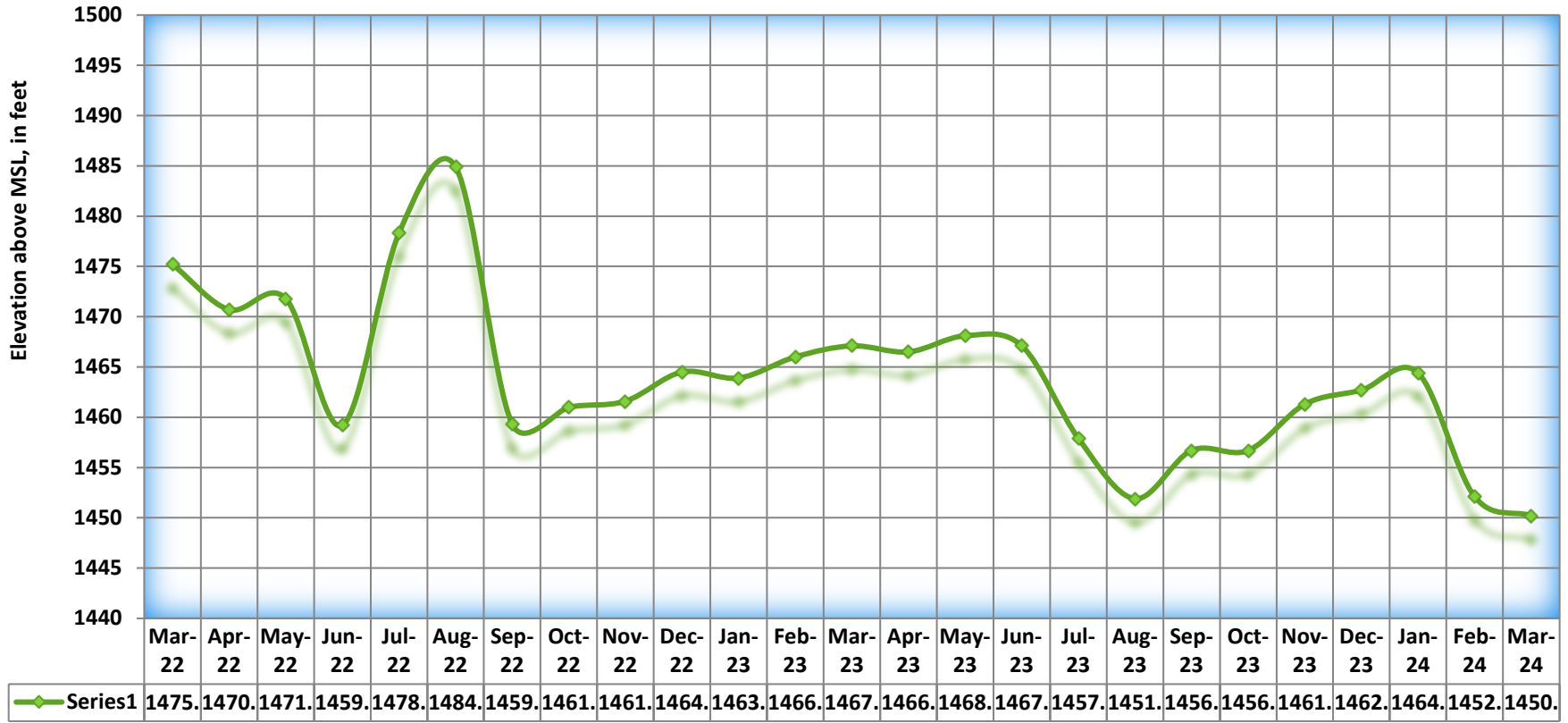
Japonica Hills

State Well#: 5662417

Formation: Hosston

Aquifer: Lower Trinity

Elevation: 2037 ft Well Depth: 760 ft



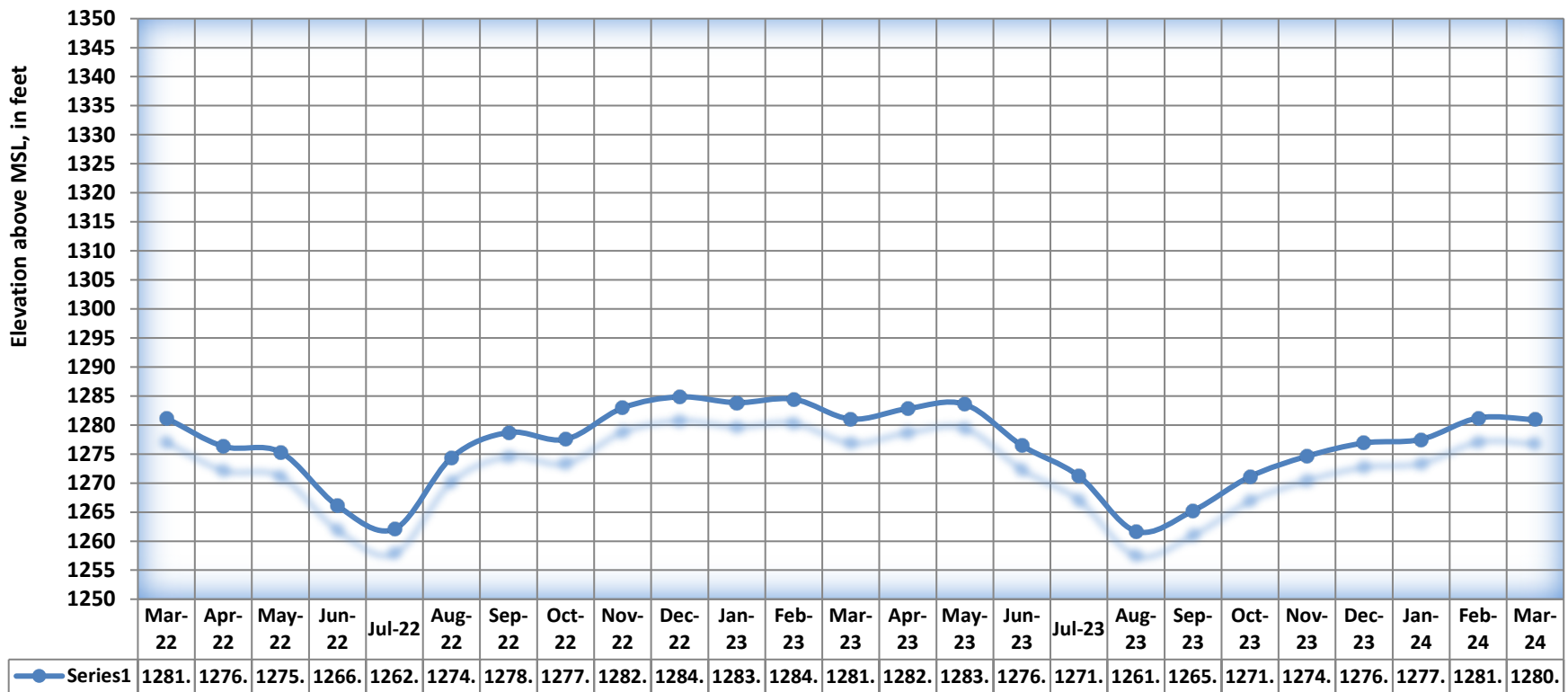
Jim Hayes Ranch

State Well#: 6908624

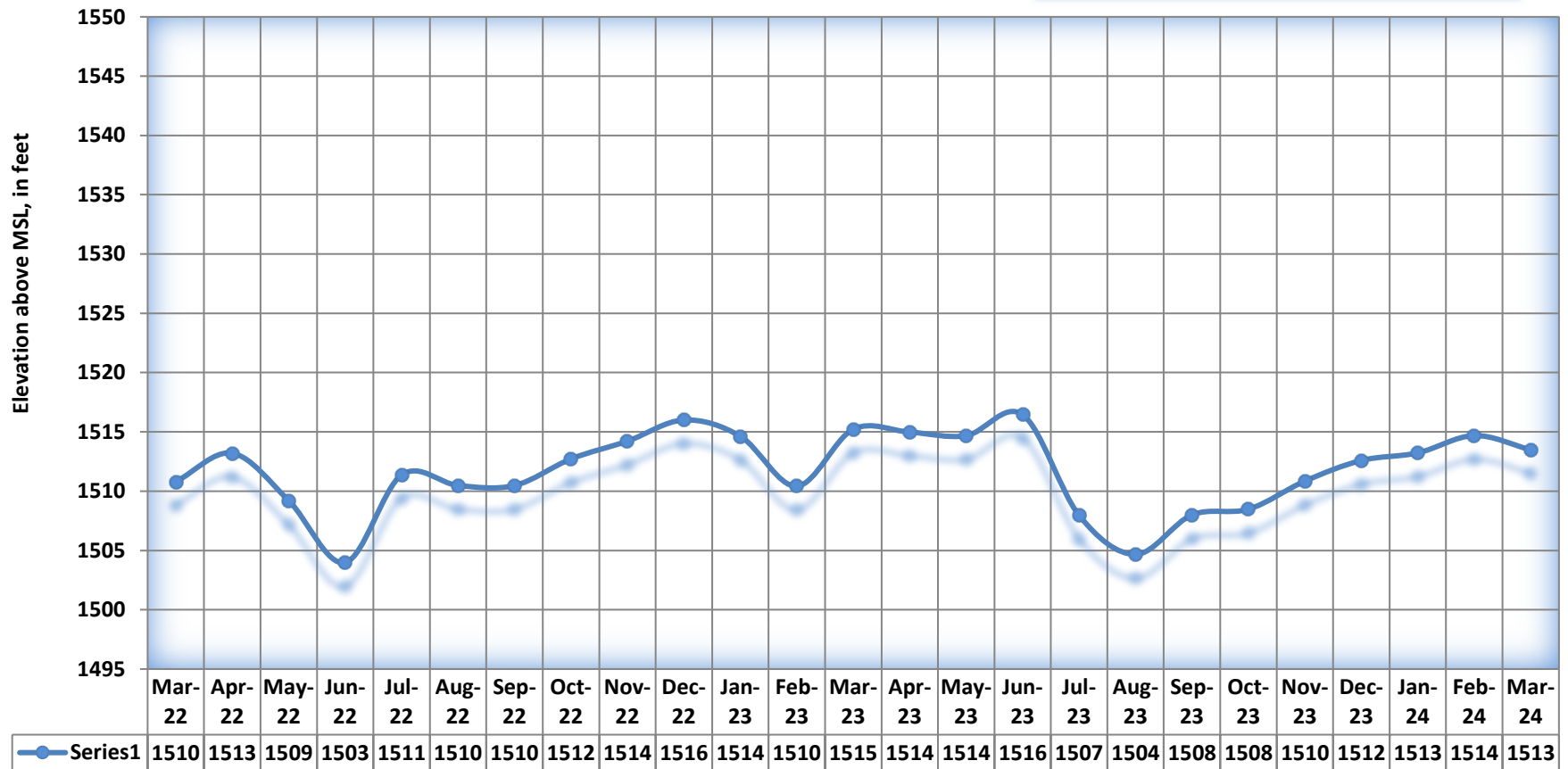
Formation: Hensel

Aquifer: Middle Trinity

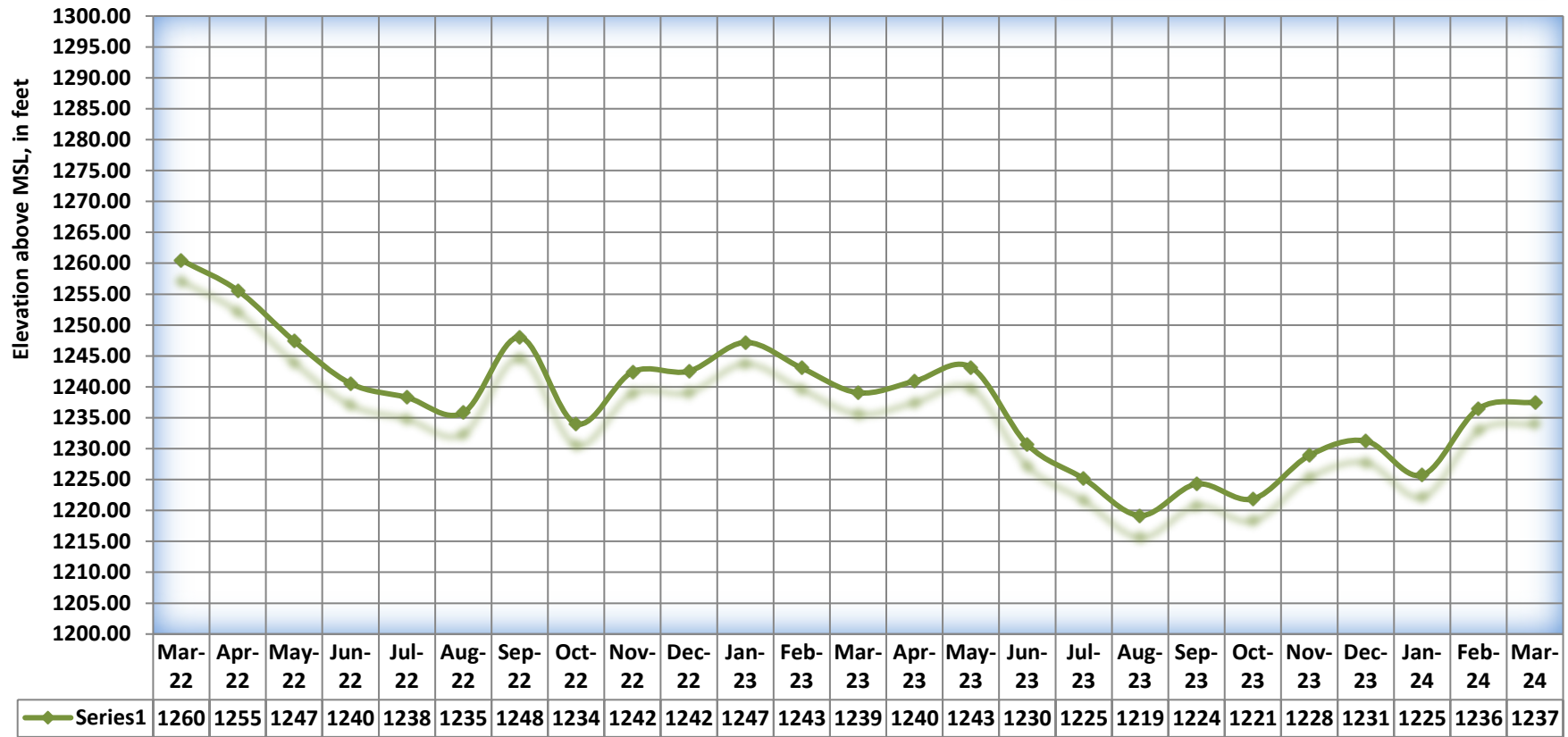
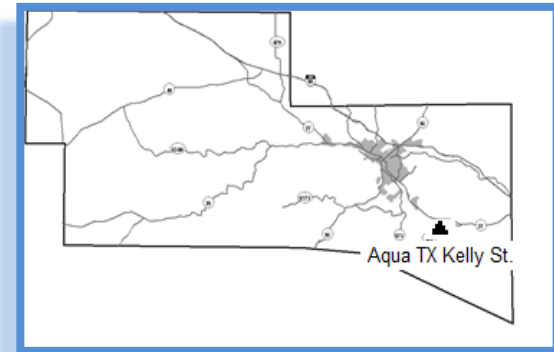
Elevation: 1509 ft Well Depth: 410 ft.



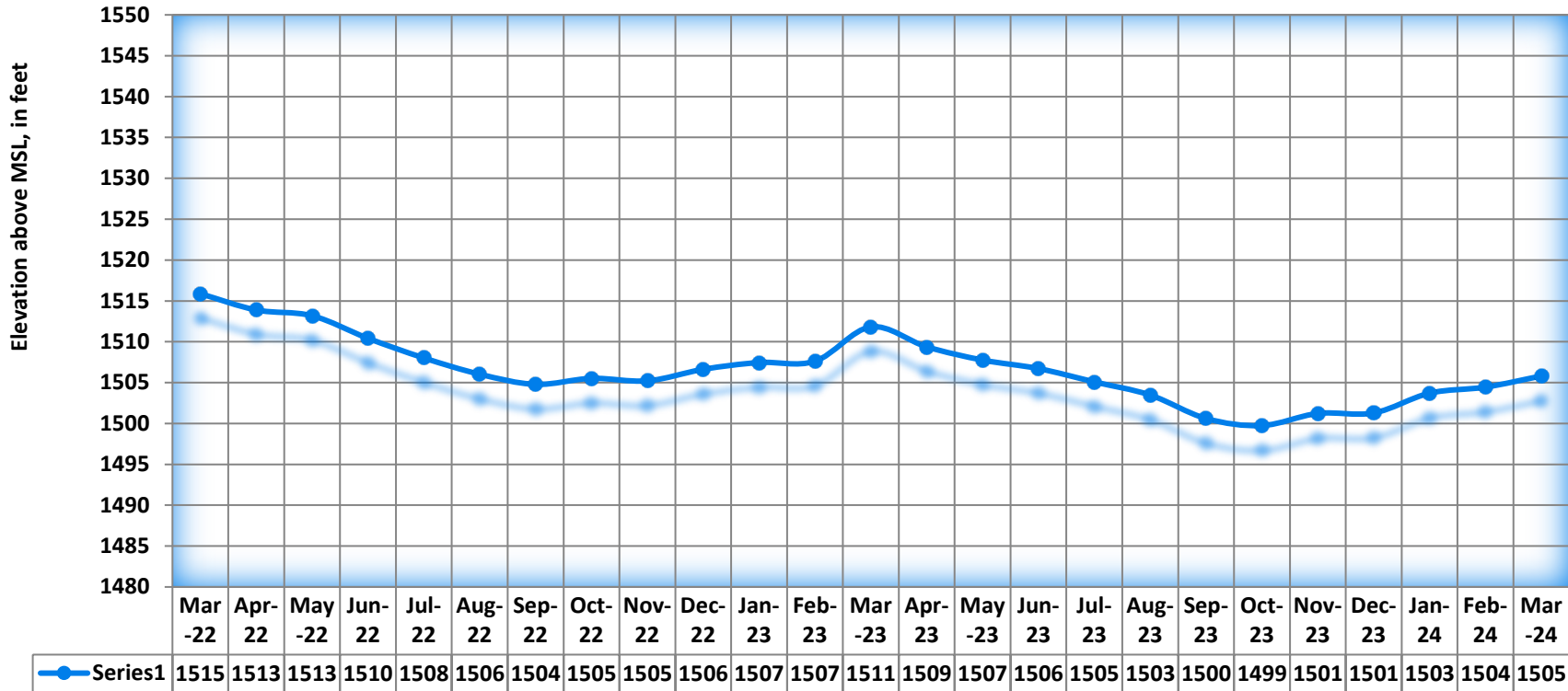
Johnson Creek RV Resort
 State Well#: 5662205
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 1797 ft Well Depth: 440 ft



Kelly St. Center Point (Aqua Tx)
 State Well#: 6908513
 Formation: Hosston
 Aquifer: Lower Trinity
 Elevation: 1507 Well Depth: 635



Lagro, Henry
 State Well#: 5757402
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 1703 ft Well Depth: 385 ft



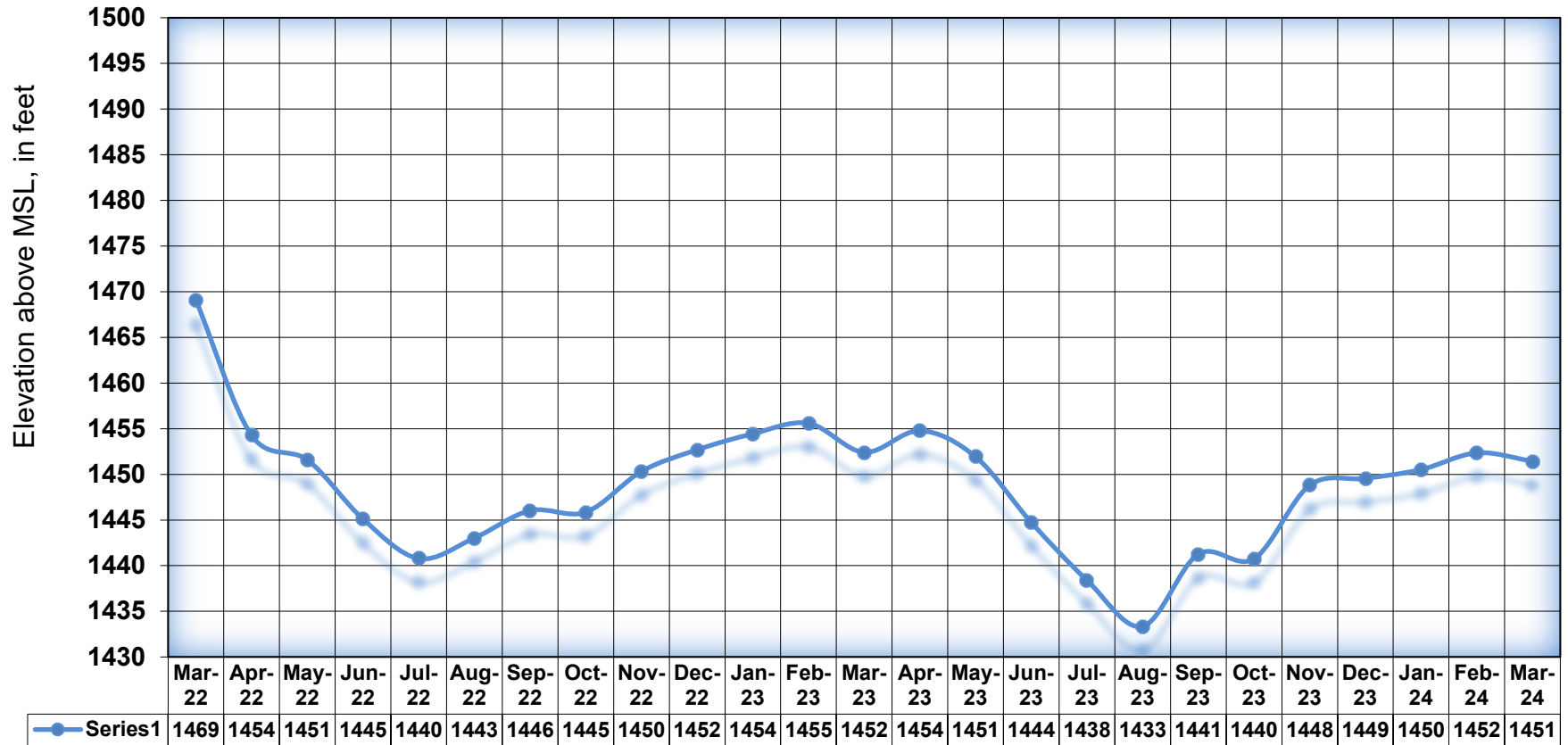
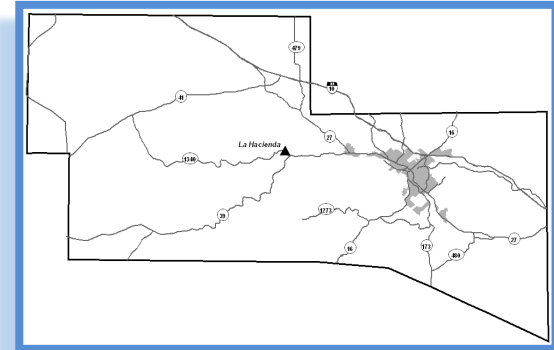
La Hacienda

State Well#: 5662415

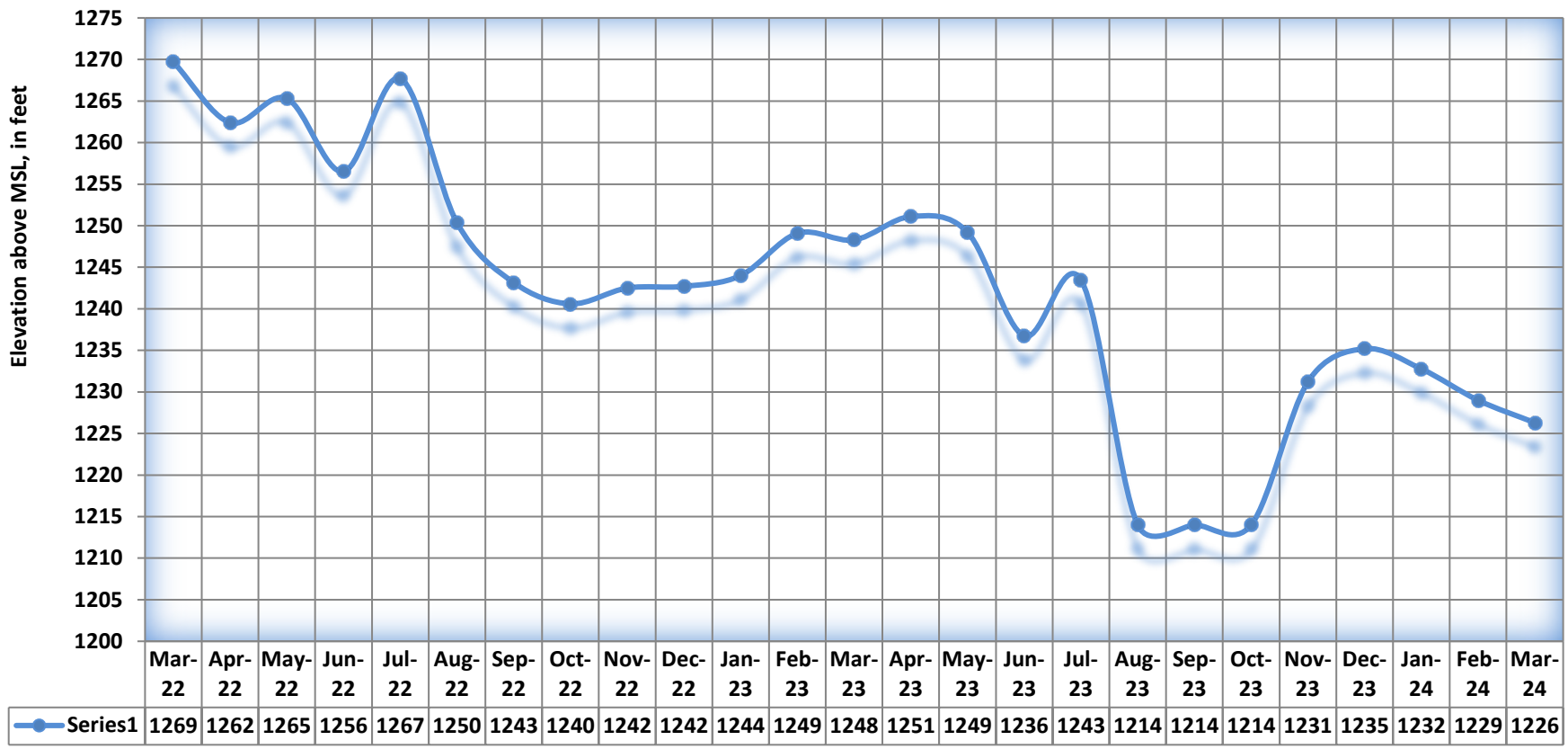
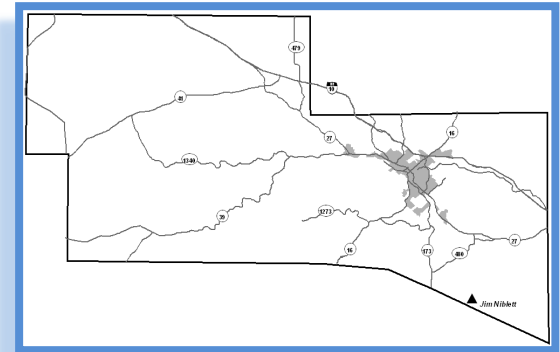
Formation: Hensel

Aquifer: Middle Trinity

Elevation: 1828 ft Well Depth: 520 ft



Niblett
 State Well#: 6916201
 Formation: Hosston/Cow Creek
 Aquifer: Middle Trinity
 Elevation: 1554 ft Well Depth: 520 ft



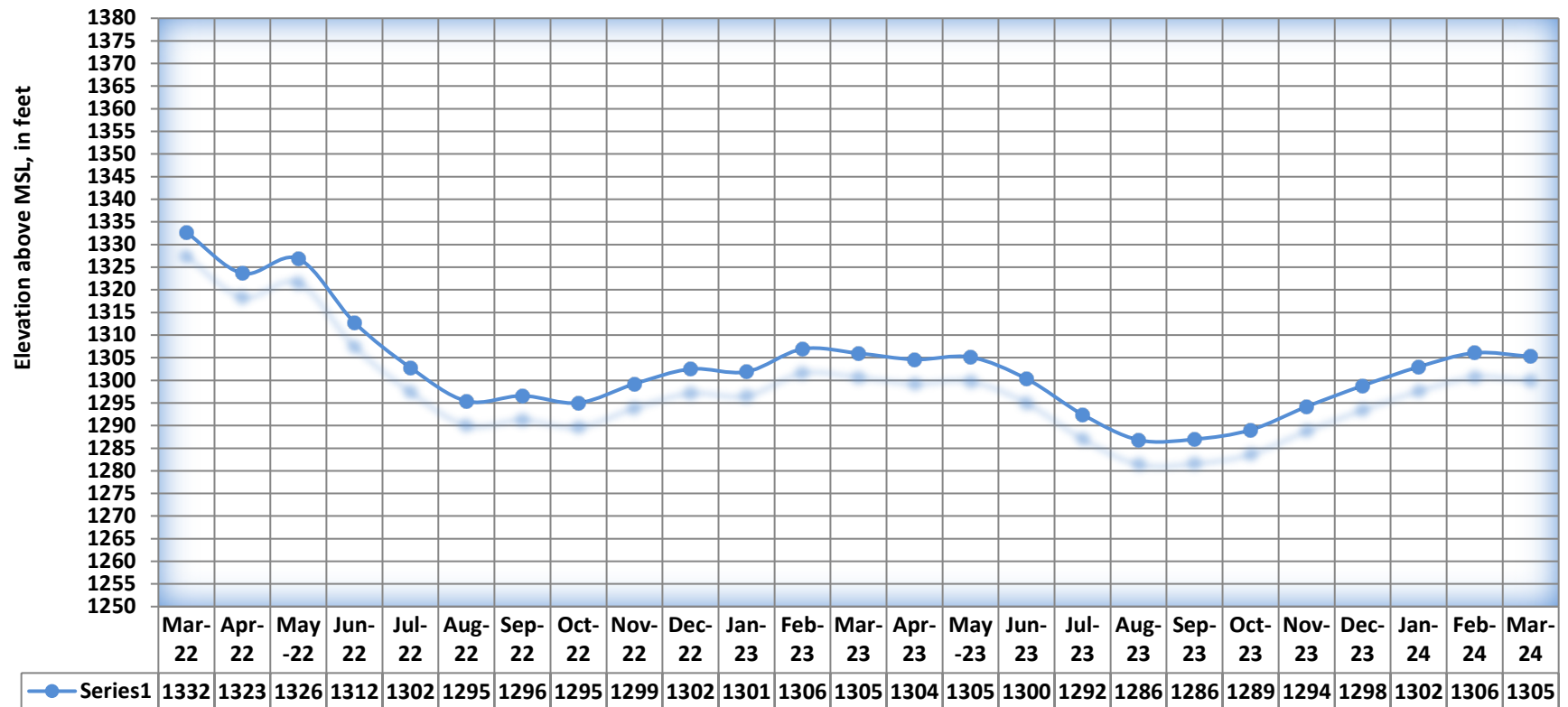
Shady Grove

State Well#: 6908201

Formation: Cow Creek/Hosston

Aquifer: Middle Trinity

Elevation: 1630 ft Well Depth: 530 ft



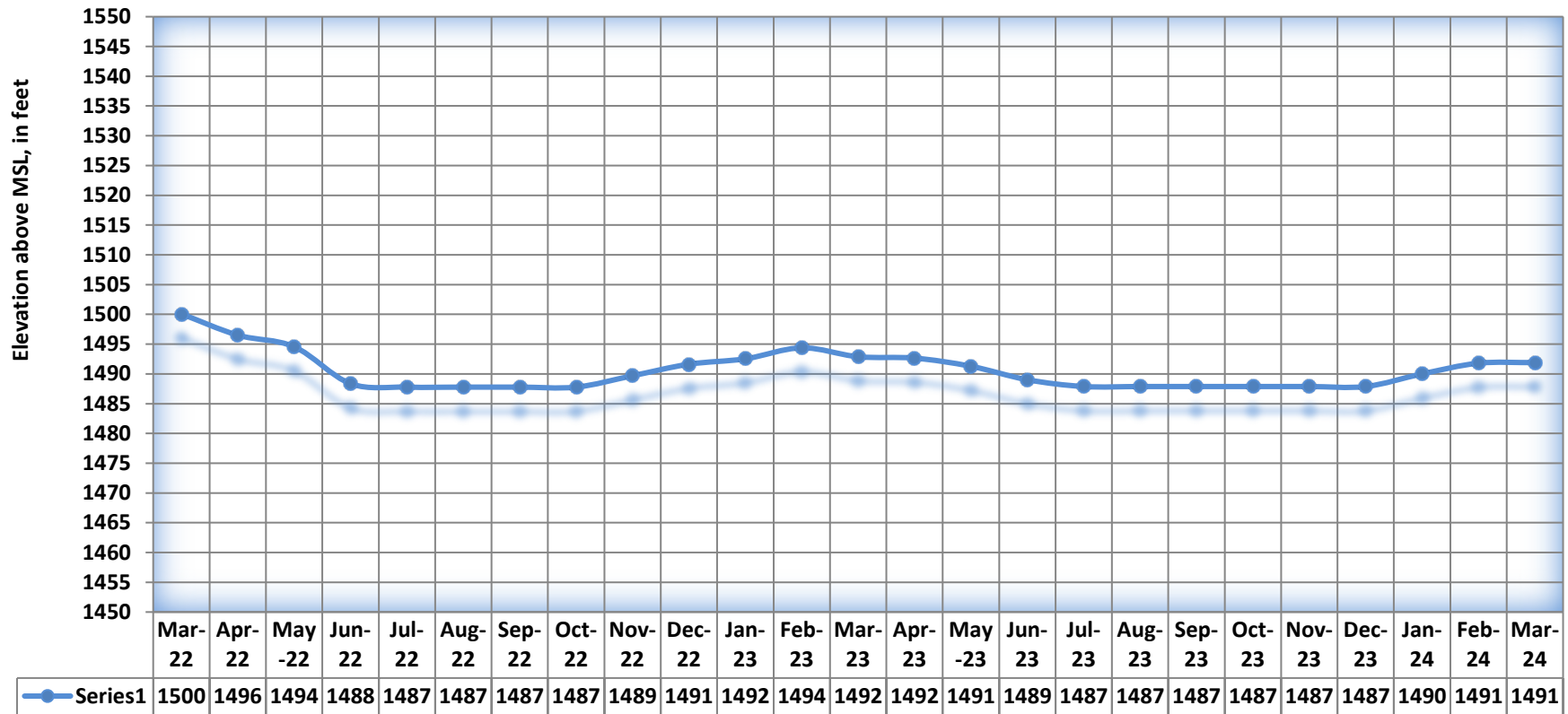
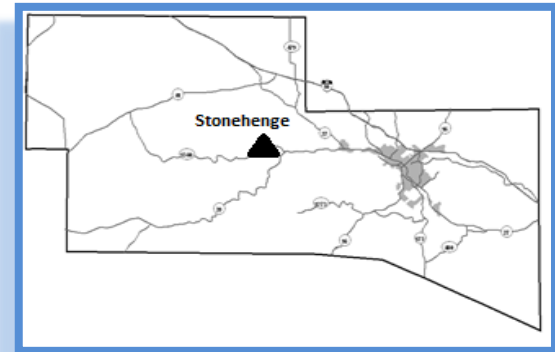
Stonehenge

State Well#: 5662414

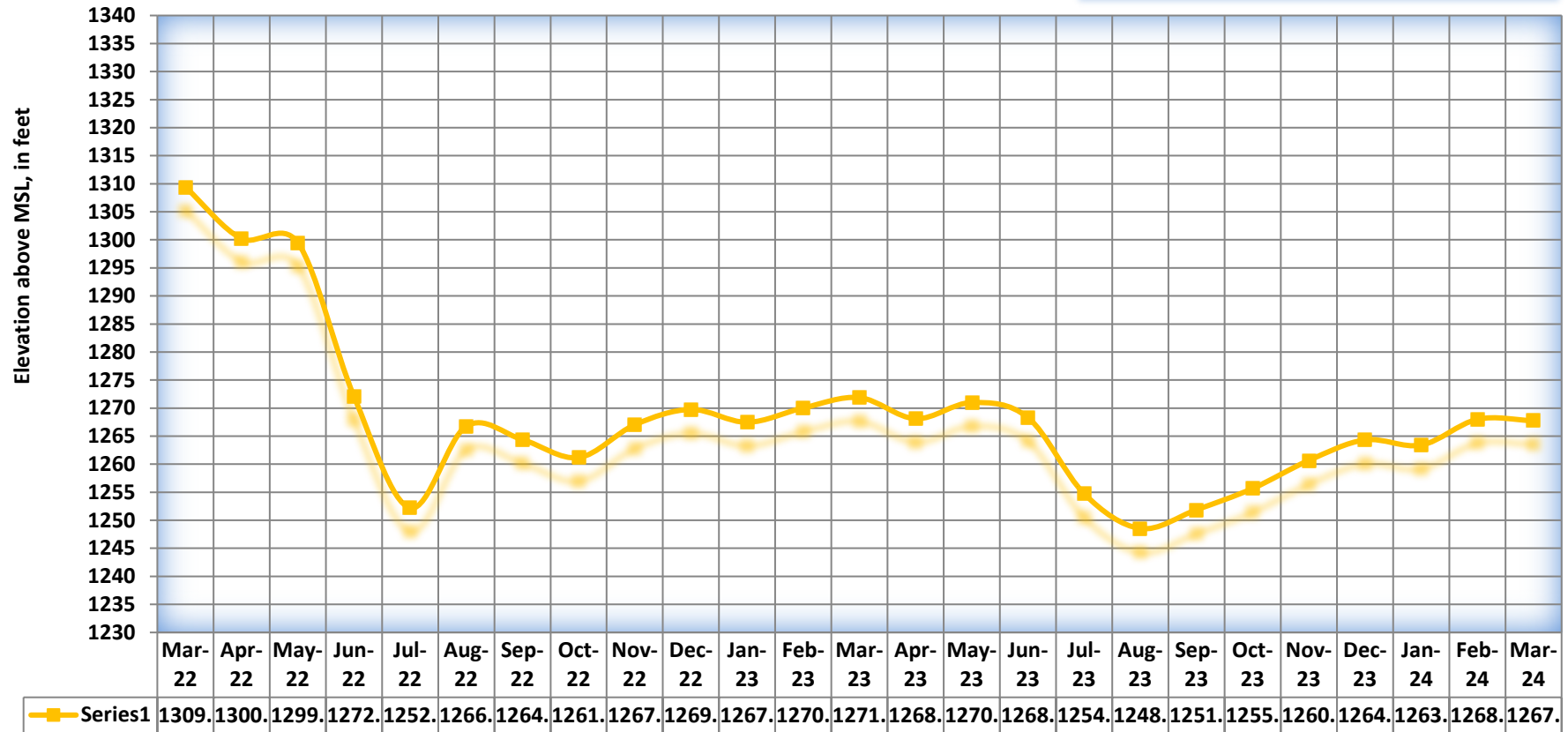
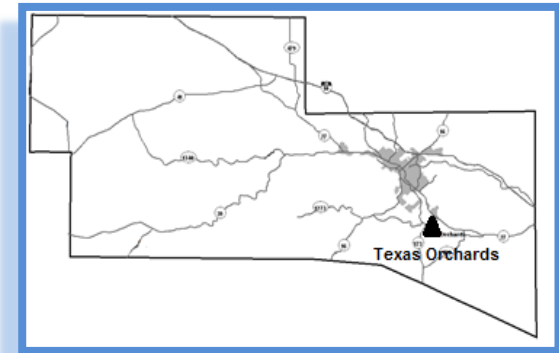
Formation: Hensel

Aquifer: Middle Trinity

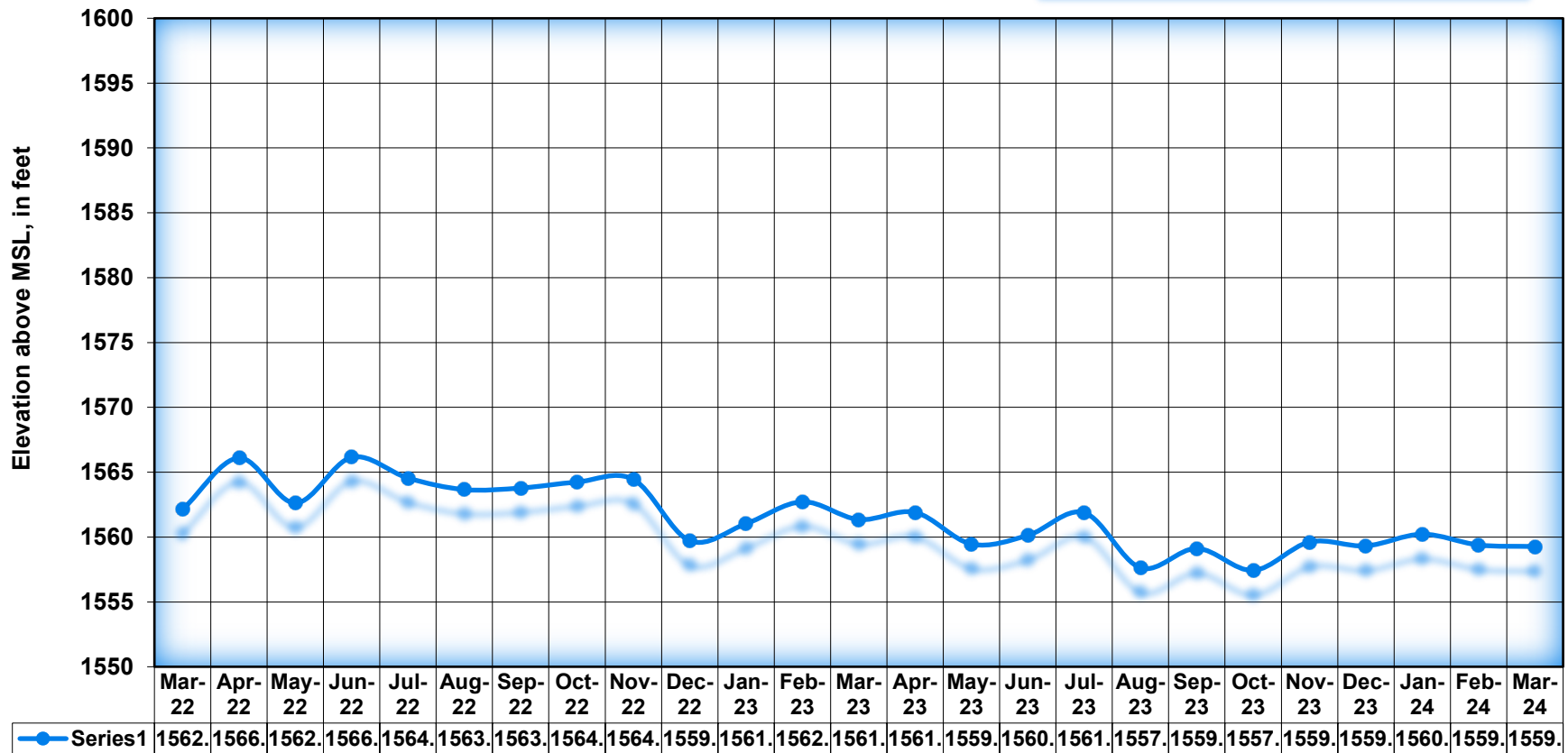
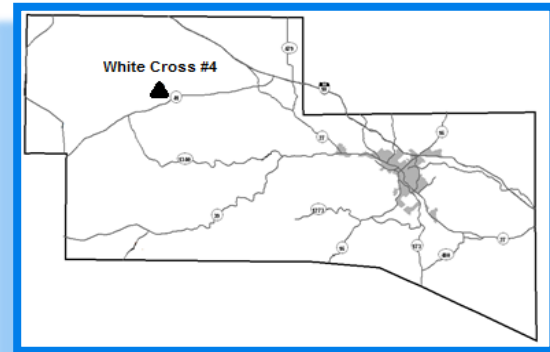
Elevation: 1799 ft Well Depth: 560 ft



Old River Road RV Resort
 State Well#: 6908511
 Formation: Hensel/Cow Creek/Hosston
 Aquifer: Comingled
 Elevation: 1540 Ft Well Depth: 500 Ft



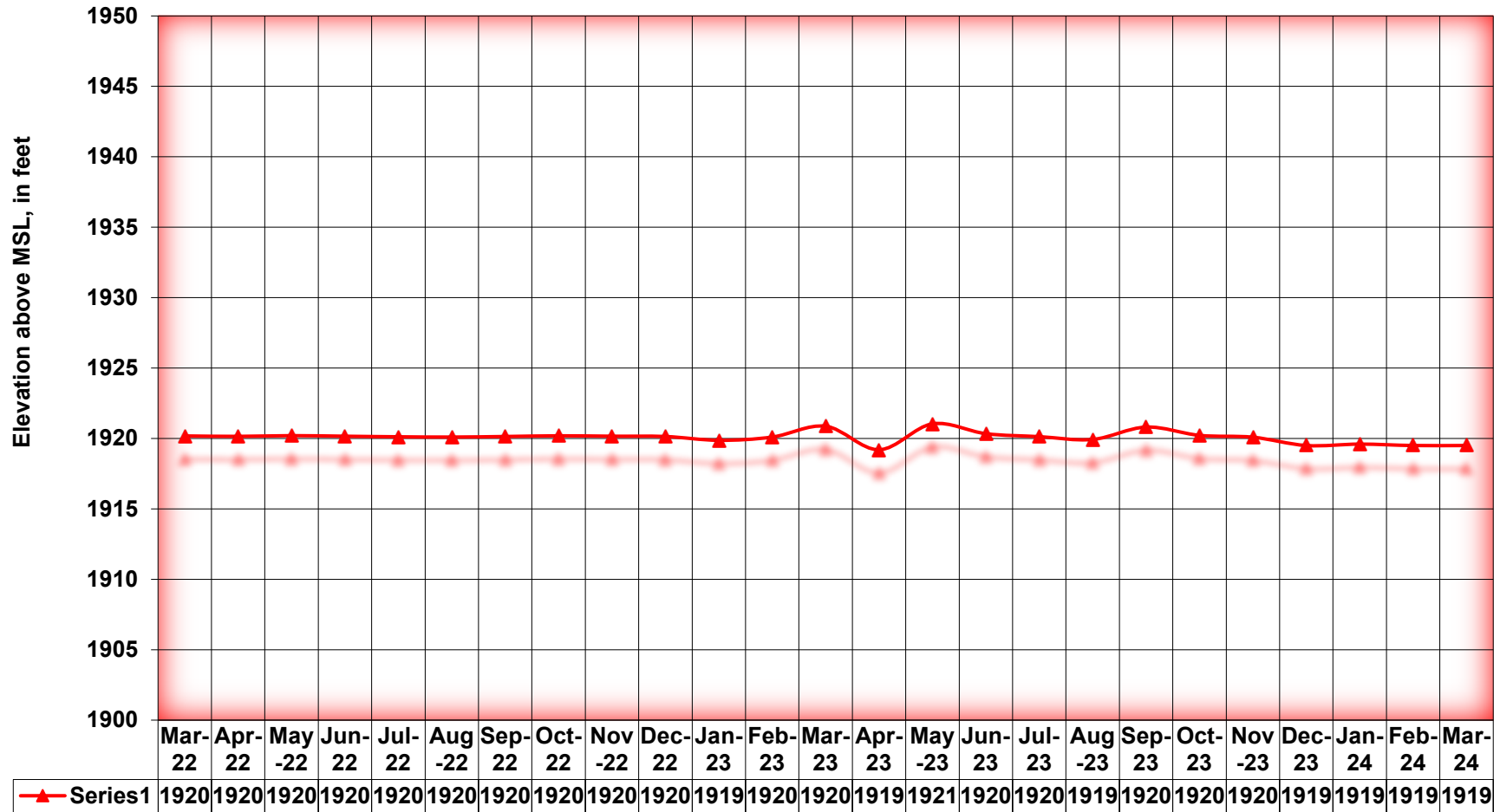
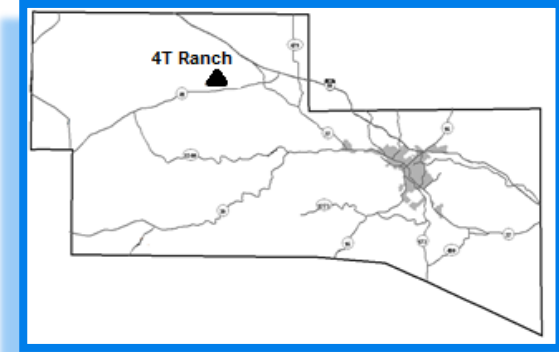
White Cross Ranch #4 (Pasture Well)
 State Well#: 5652806
 Formation: Hensel
 Aquifer: Middle Trinity
 Elevation: 2185ft Well Depth: 850 ft



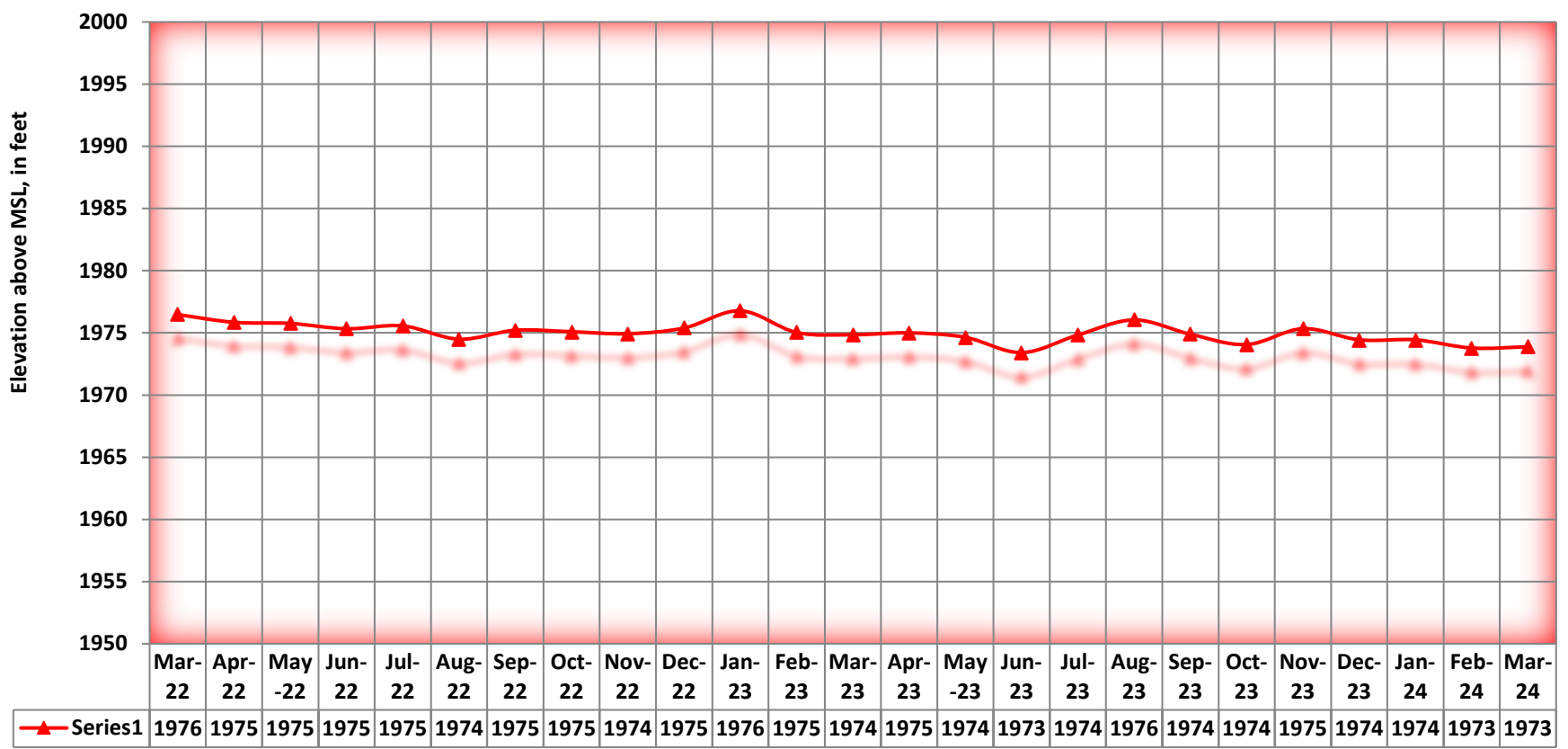
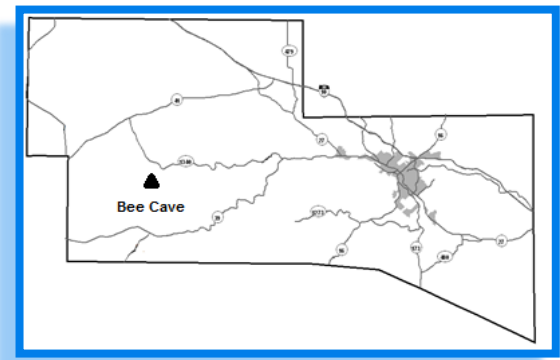
Mar-24		Headwaters Quarterly Observed Wells			Edwards-Trinity Aquifer Network						
State Well #	HGCD PIN	District Monitor Well Name/Location	County Precinct	Designation, E=Edwards	Surface Elevation	Current Water Level Above MSL	Depth to Water March	Change From Last Reading	Measure Date	Previous Month MSL Feb	Method taken
5653401	1981	4T Ranch	4	E	2125	1919.50	205.50	0.00	3/25/24	1919.50	Sonic-Dp
5661706	1858	Bee Cave Road	4	E	2135	1973.88	161.12	0.10	3/27/24	1973.78	E-Line
5661803	1950	Campbell Creek Ranch	4	E	2151	2004.40	146.60	0.00	3/27/24	2004.40	E-Line
5651101	1985	Colvin Ranch	4	E	2154	1893.23	260.77	-0.72	3/25/24	1893.95	E-Line
5643802	1991	Hagood Ranch NW Corner Kerr Co	4	E	2149	1941.00	208.00	-0.10	3/25/24	1941.10	E-Line
5664302	2048	HGCD MW #14E Stuart Barron Ranch	1	E	2015	1939.10	75.90	0.80	3/26/24	1938.30	E-Line
5659302	1938	Kinsel Ranch #1 (3939 HWY 39)	4	E	2342	2024.65	317.35	7.65	3/25/24	2017.00	E-Line
5659601	1988	Kinsel Ranch #2 (4090 HWY 41)	4	E	2244	2022.90	221.10	-0.67	3/25/24	2023.57	E-Line
5661102	1767	KWMA Plot 6	4	E	2152	1981.02	170.98	-0.08	3/27/24	1981.10	E-Line
6905901	2083	Shafer Ranch	4	E	2236	1939.31	296.69	0.81	3/25/24	1938.50	E-Line
5652805	1987	White Cross Ranch #3 House Well	4	E	2200	1936.46	263.54	-0.27	3/25/24	1936.73	E-Line
5652804	1660	White Cross Ranch #2 Windmill Well	4	E	2160	1935.34	224.66	-0.22	3/25/24	1935.56	E-Line
NOTES:				Total change from previous month.			7.30				
				Average Well Increase/Decrease			0.61				
				# Of Monitor Wells with Increased levels			4.00		of 12 or		0.33
				# Of Monitor Wells with decreased levels			6.00		of 12 or		0.50
				# Of Monitor Wells with unchanged levels			2.00		of 12 or		0.17
E-line	Electronic Water Meter			Wells Monitored Quarterly			12				
Sonic-Nml	Sonic Meter - Normal/Shallow										
Sonic-Dp	Sonic Meter - Deep										

Four T Ranch

State Well#: 5653401
 Formation: Edwards Limestone
 Aquifer: **Edwards**
 Elevation: 2125 ft Well Depth: 400 ft



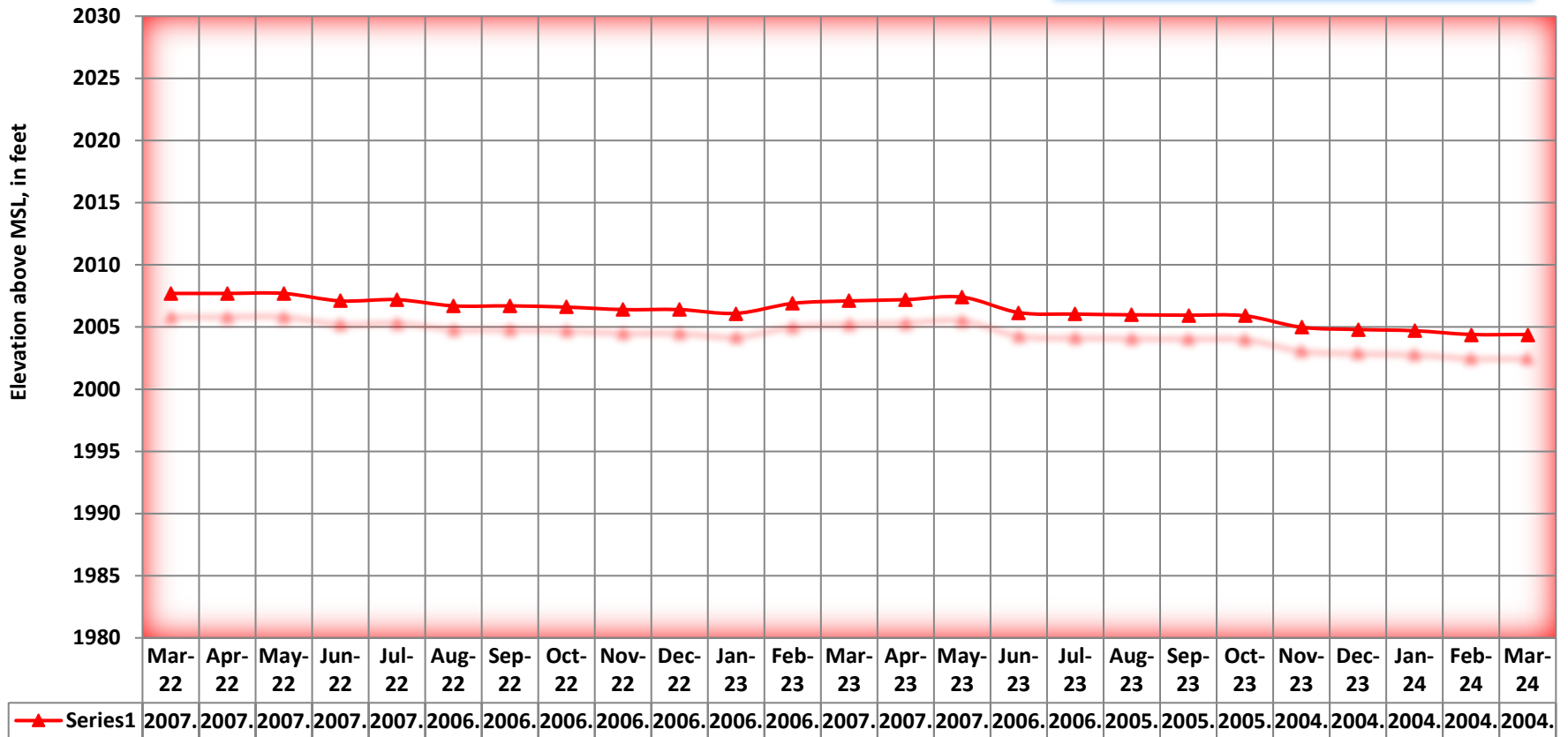
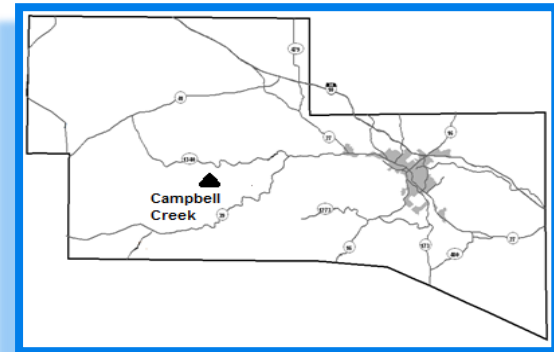
Bee Cave
 State Well#: 5661706
 Formation: Edwards Limestone
 Aquifer: **Edwards**
 Elevation: 2135 ft Well Depth: 340 ft



Series1

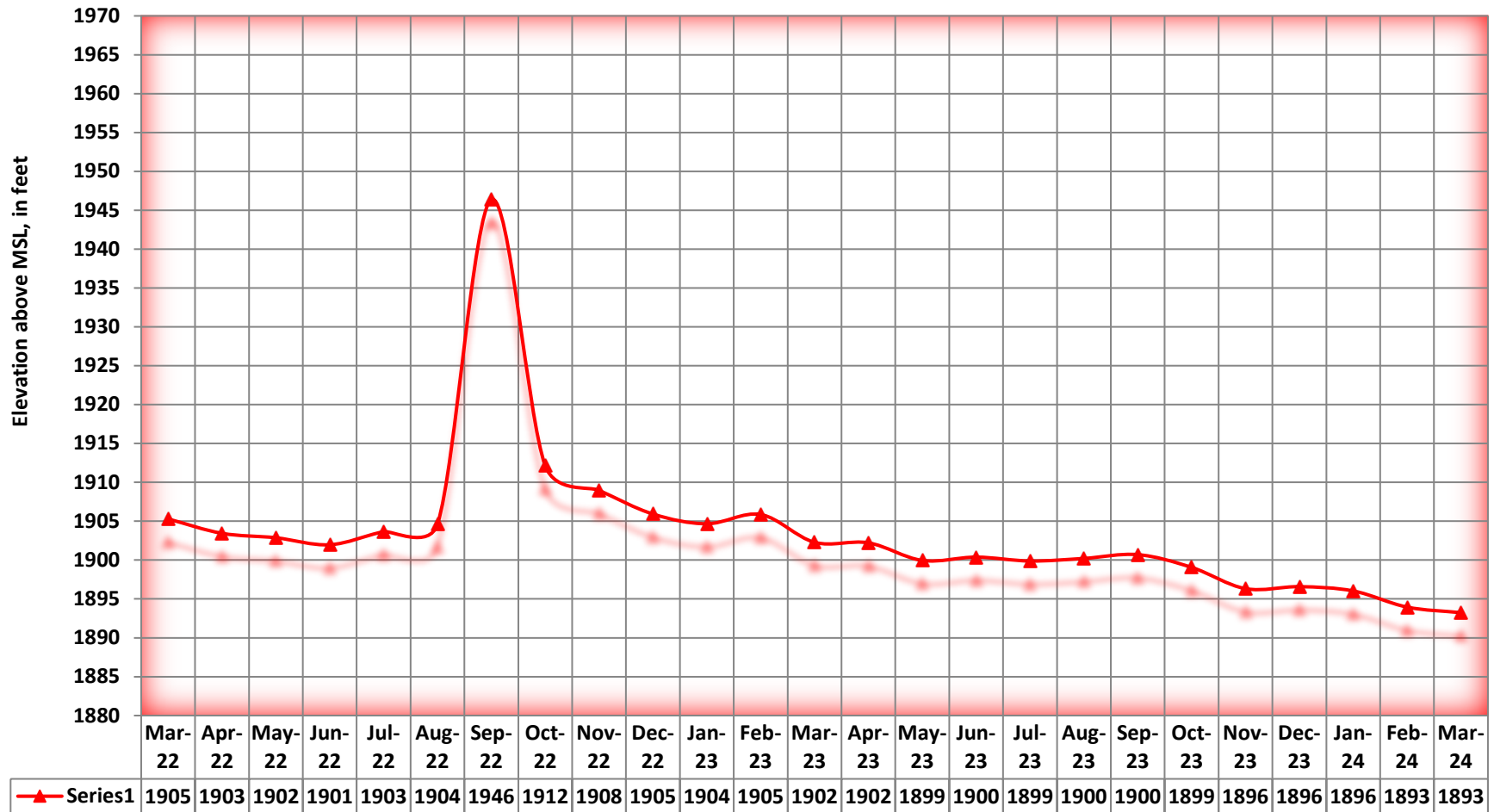
1976 1975 1975 1975 1975 1974 1975 1975 1974 1975 1976 1975 1974 1975 1974 1973 1974 1976 1974 1974 1975 1974 1974 1973 1973

Campbell Creek Ranch
 State Well#: 5661803
 Formation: Edwards Limestone
 Aquifer: **Edwards**
 Elevation: 2151ft Well Depth: 340 ft

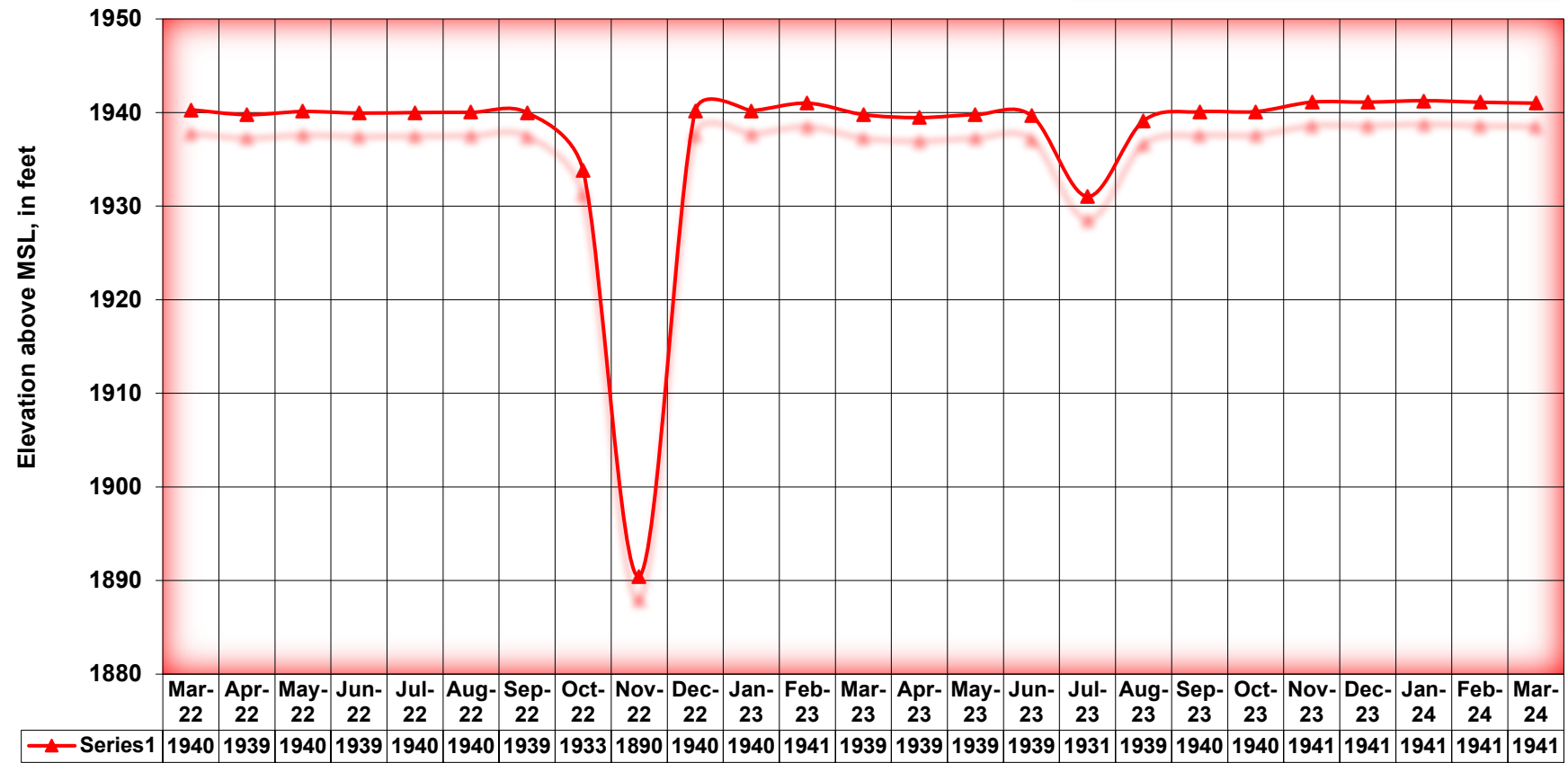


Colvin Ranch

State Well#: 5651101
 Formation: Edwards Limestone
 Aquifer: **Edwards**
 Elevation: 2154ft Well Depth: 355 ft



Hagood Ranch
 State Well#: 5643802
 Formation: Edwards Limestone
 Aquifer: **Edwards**
 Elevation: 2149 ft Well Depth: 305 ft



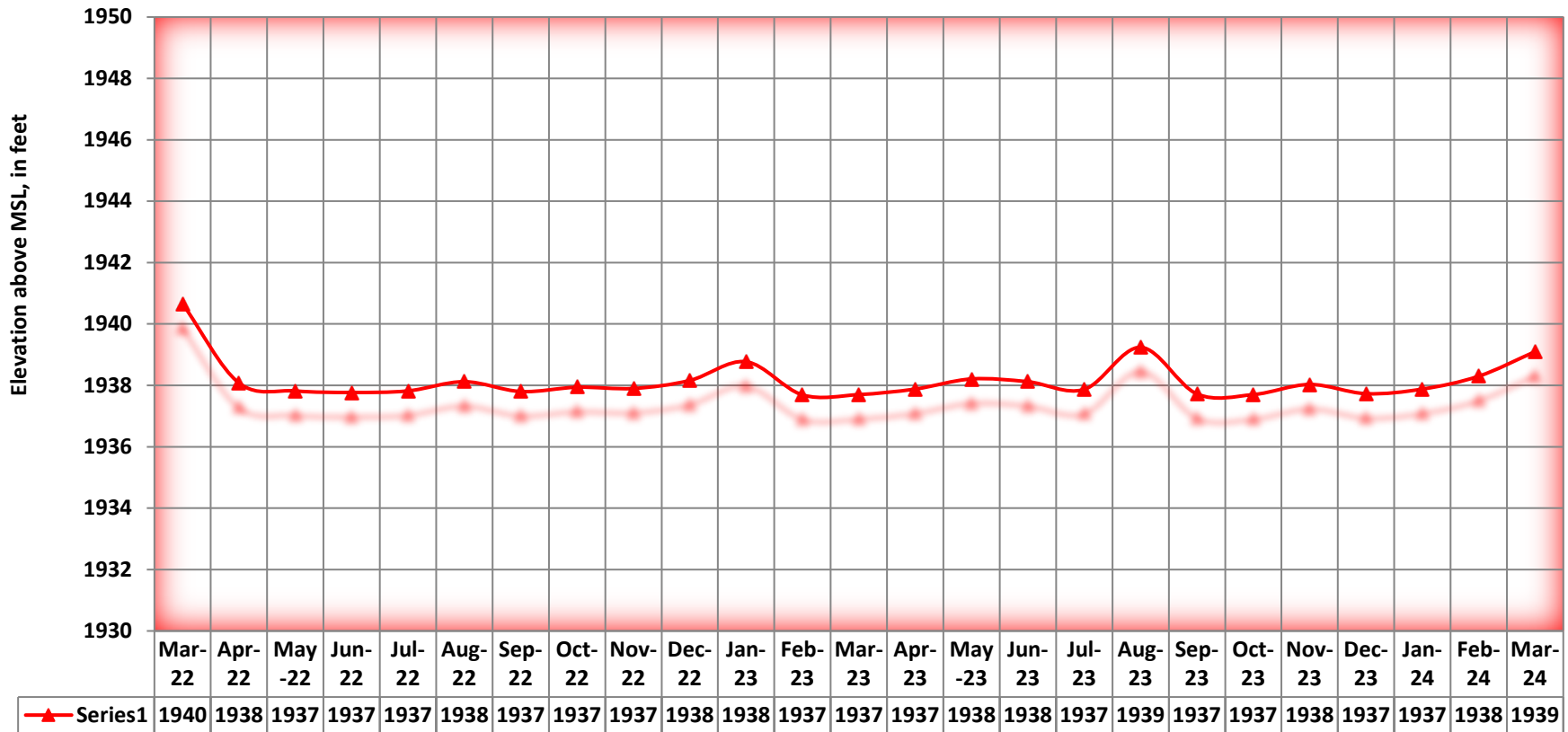
HGCD MW #14 E

State Well#: 5664302

Formation: Edwards Limestone

Aquifer: **Edwards**

Elevation: 2015 ft Well Depth: 300 ft



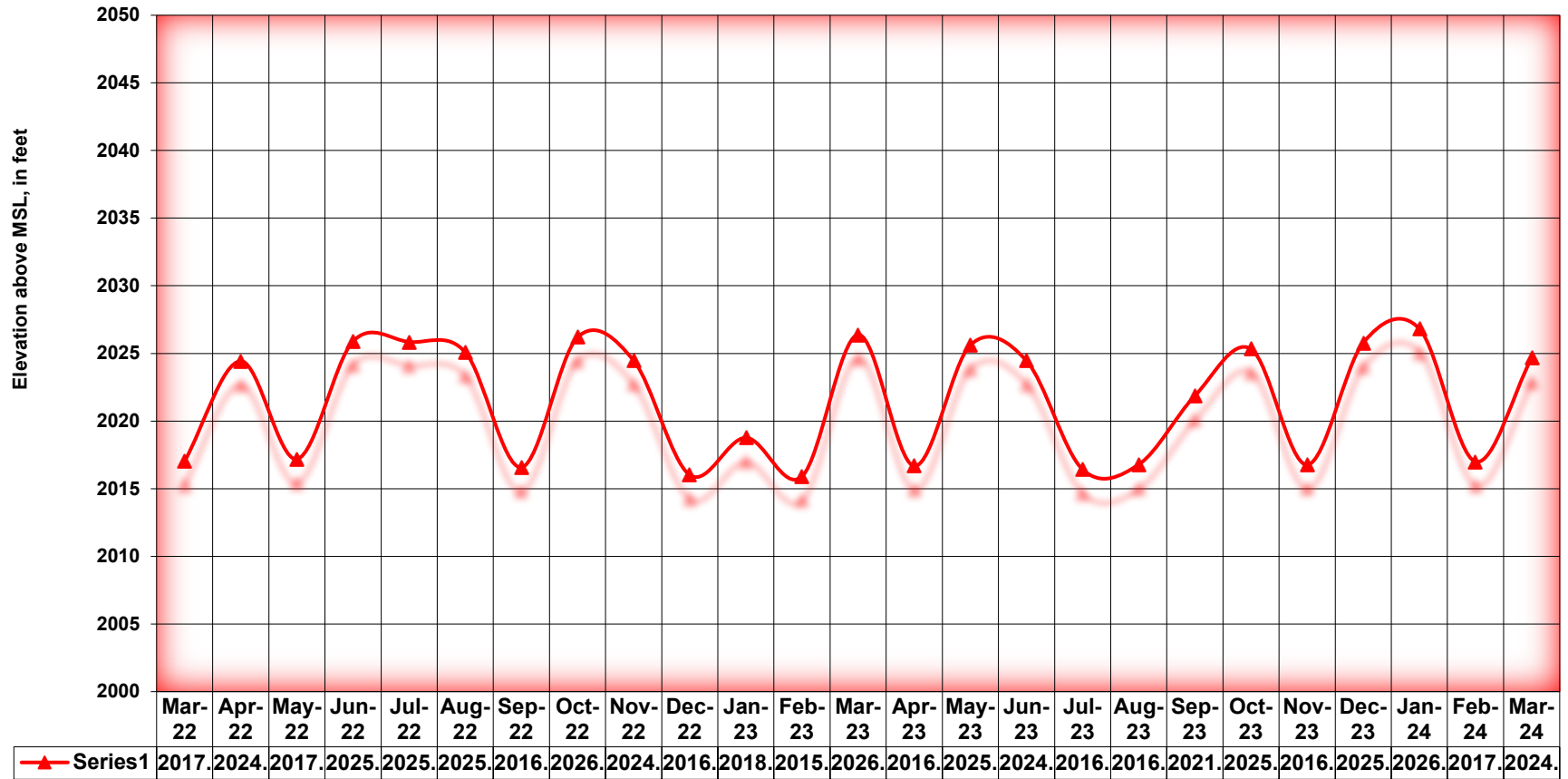
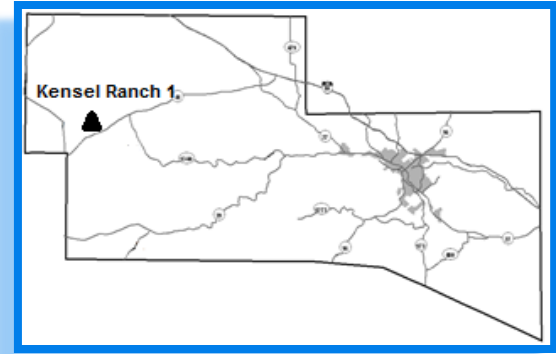
Kinsel Ranch #1

State Well#: 5659302

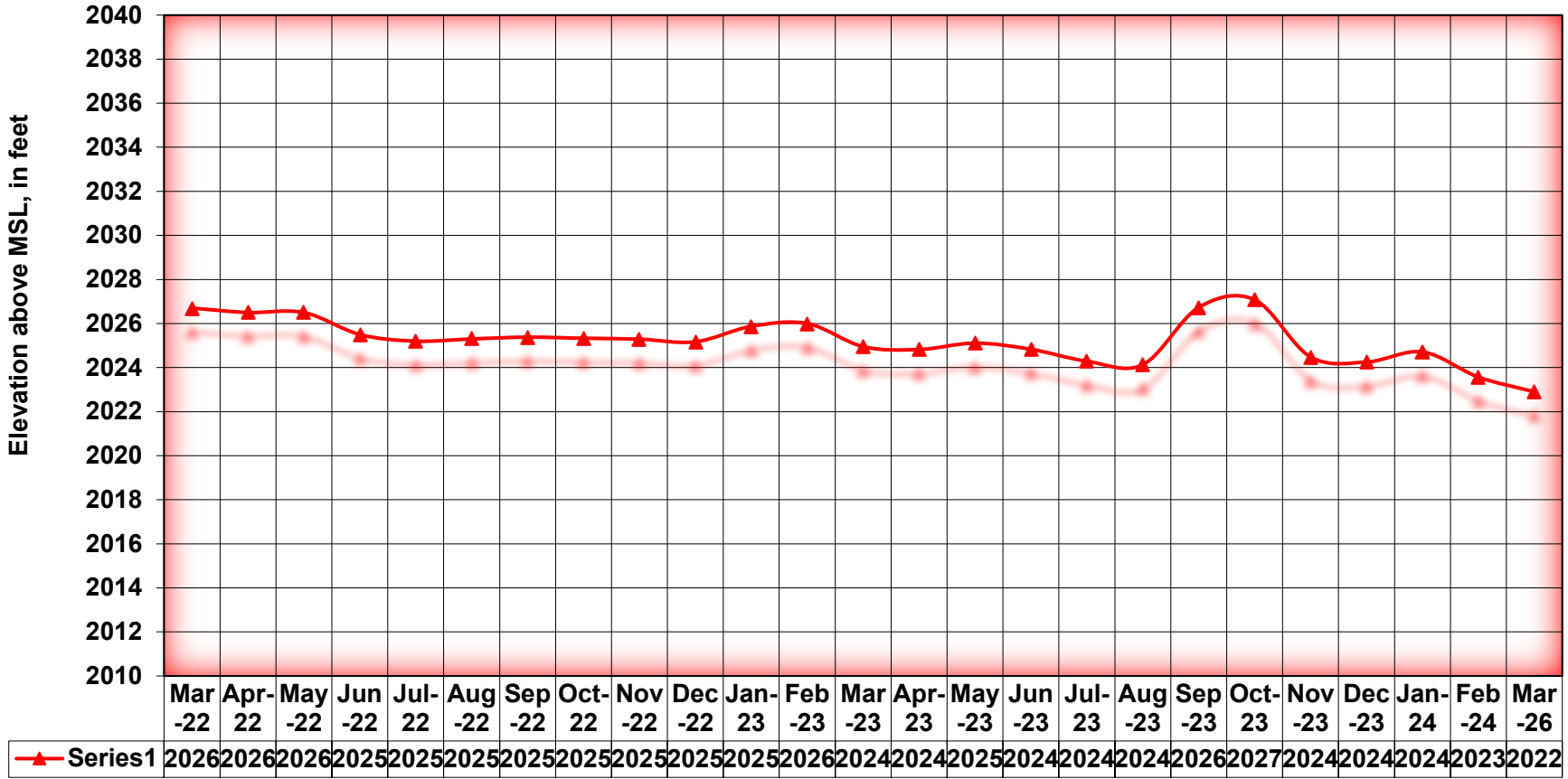
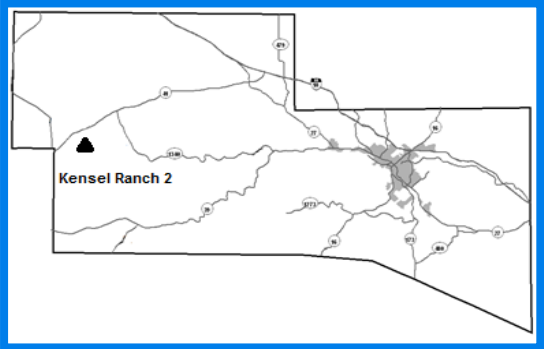
Formation: Edwards Limestone

Aquifer: **Edwards**

Elevation: 2342 ft Well Depth: 410



Kinsel Ranch #2
 State Well#: 5659601
 Formation: Edwards Limestone
 Aquifer: **Edwards**
 Elevation: 2244ft Well Depth: 395 ft



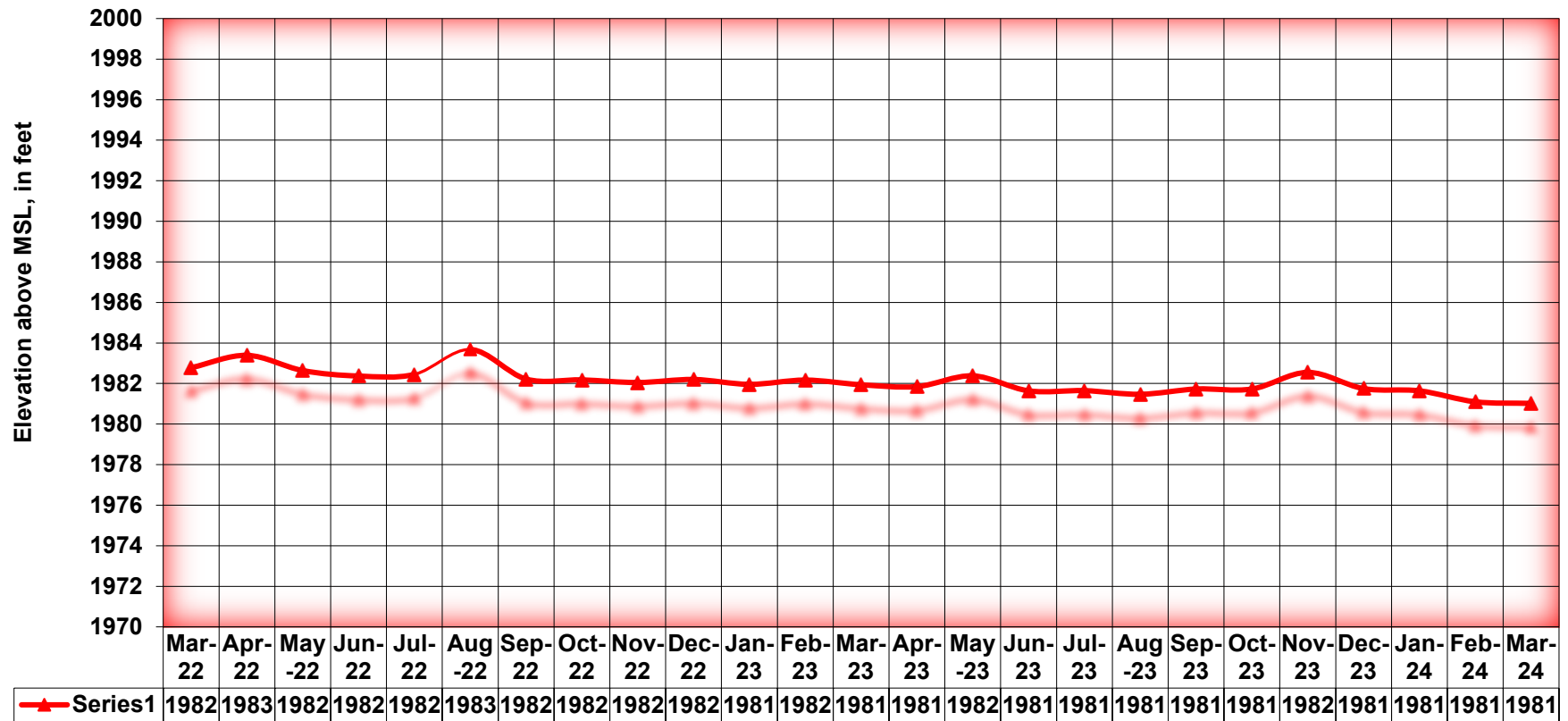
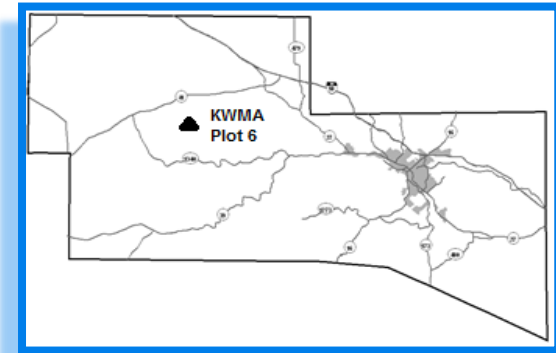
KWMA Plot 6

State Well#: 5661102

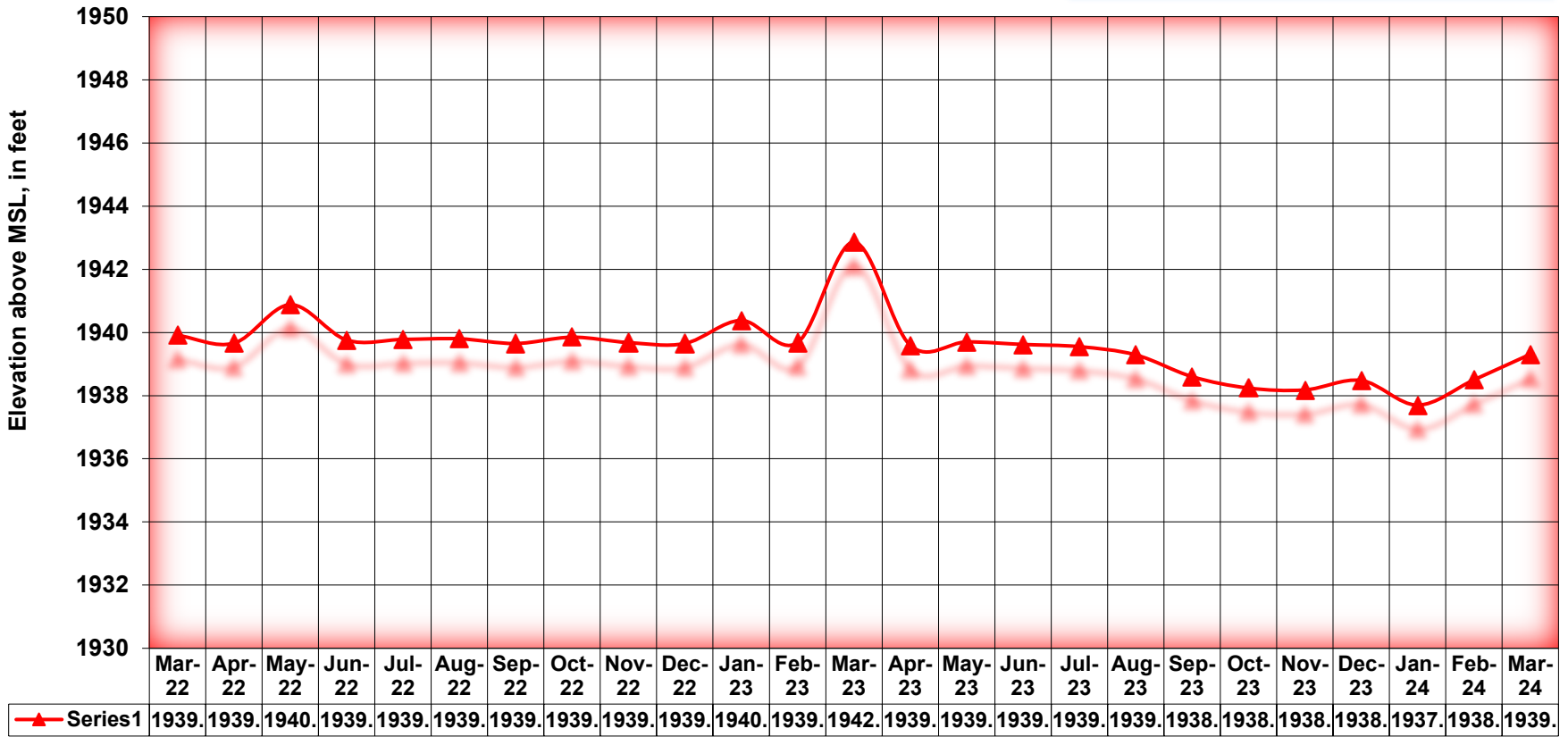
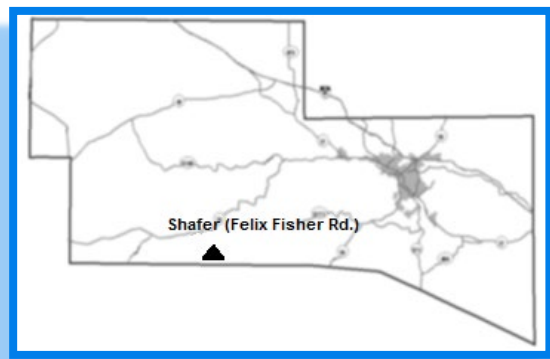
Formation: Edwards Limestone

Aquifer: **Edwards**

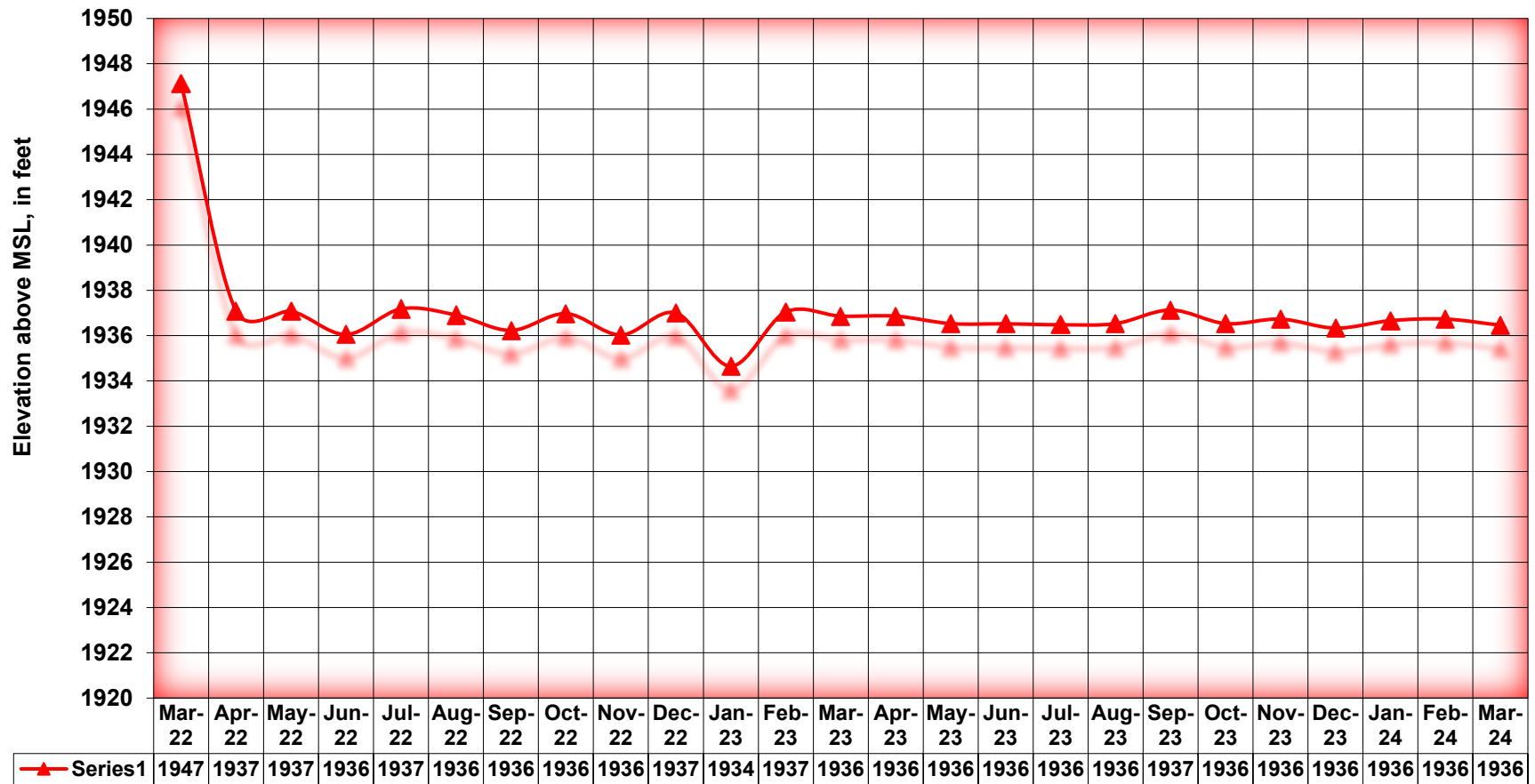
Elevation: 2152 ft Well Depth: 207



Shafer Ranch (Susan)
 State Well#: 6905901
 Formation: Edwards Limestone
 Aquifer: **Edwards**
 Elevation: 2236 ft Well Depth: 380 ft



White Cross Ranch #3 (House Well)
 State Well#: 5652805
 Formation: Edwards Limeston
 Aquifer: **Edwards**
 Elevation: 2200ft Well Depth: 360 ft



White Cross Ranch #2 (Windmill Well)

State Well#: 5652804
 Formation: Edwards Limestone
 Aquifer: **Edwards**
 Elevation: 2160ft Well Depth: 380 ft

