



2022 Water Level Measurements

High Plains Water District staff measured approximately 1,333 observation wells in the Ogallala and Edwards-Trinity (High Plains) Aquifers during early 2022 to determine the water level changes since 2021.

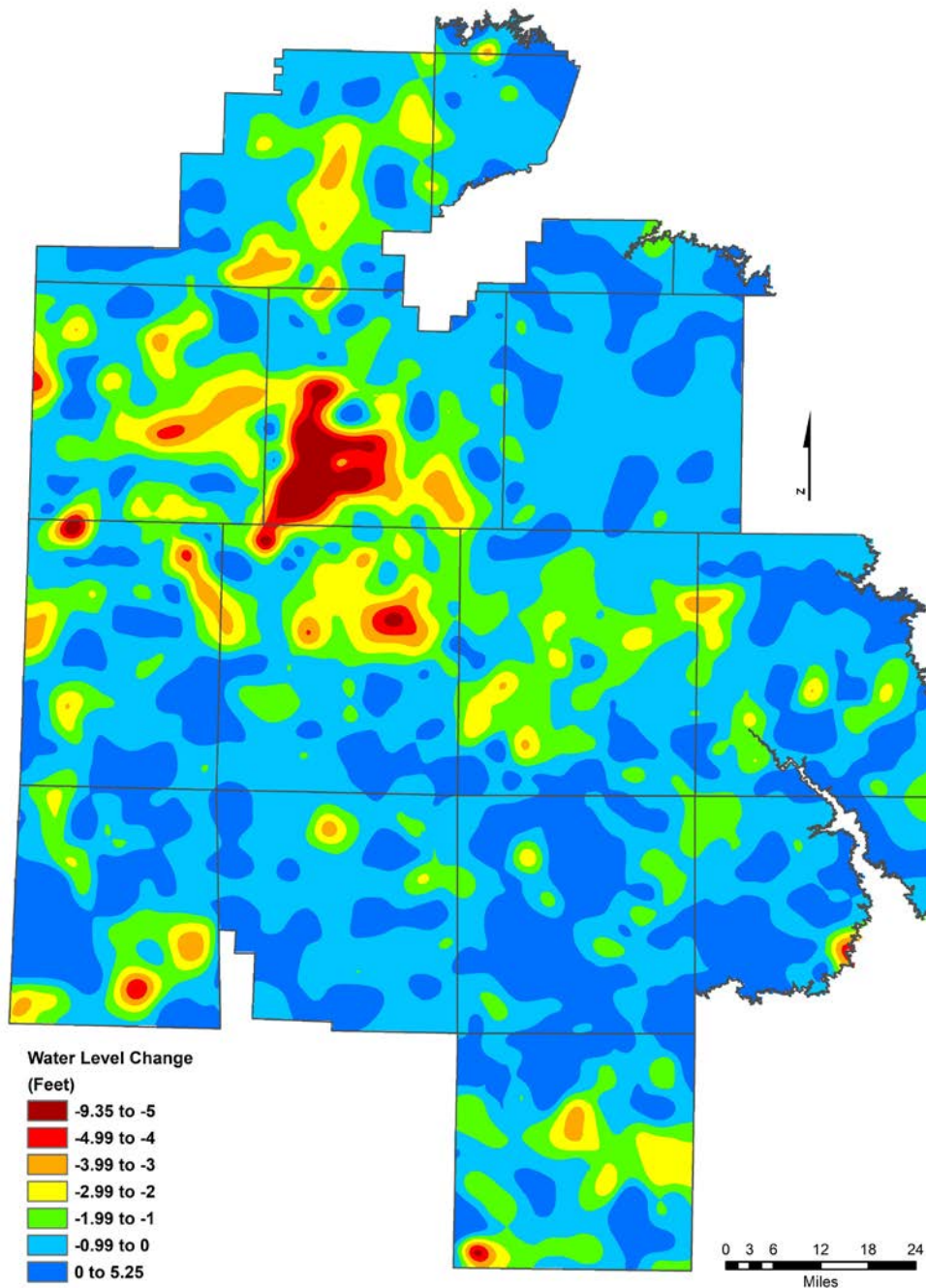
District Average Change Average Saturated Thickness
[-0.63 feet] **[53 feet]**

2022 County Summary

County	Observation Well Count	Avg. Water Level Change (ft)	Avg. Saturated Thickness (ft)	5-yr Avg. Change (ft)	10-yr Avg. Change (ft)
Armstrong	10	+0.05	36	+0.79	+2.50
Bailey	97	-0.61	63	-3.28	-7.18
Castro	102	-1.86	53	-9.49	-18.84
Cochran	80	-0.53	40	-2.15	-3.94
Crosby	65	-0.02	81	-1.66	-6.43
Deaf Smith	94	-1.01	59	-3.91	-7.96
Floyd	102	-0.31	65	-4.26	-7.82
Hale	122	-0.80	58	-5.41	-10.91
Hockley	97	-0.16	39	-1.80	-3.32
Lamb	114	-1.06	48	-5.12	-11.65
Lubbock	112	+0.11	56	-1.38	-2.46
Lynn	92	-0.52	48	-4.62	-2.14
Parmer	103	-1.22	47	-6.39	-14.48
Potter	7	-0.87	54	-2.41	-3.37
Randall	49	-0.15	52	-0.60	-0.79
Swisher	87	-0.23	45	-1.40	-3.25

See map on back for illustration of 2022 water level changes.

View all observation well data, saturated thickness, and estimated water level changes at map.hpwd.org.



Maximum
Water Level
Rise
[+5.25 feet]
Lubbock County

Maximum
Water Level
Decline
[-9.35 feet]
Castro County

The pie chart at right contains a summary of the wells affected by categories of change. There are 1,304 wells measured in both 2021 and 2022 used to calculate the change.

