

2024 Water Level Measurements

High Plains Water District staff measured approximately 1,340 observation wells in the Ogallala and Edwards-Trinity (High Plains) Aquifers during early 2024 to determine the water level changes since 2023.

District Average Change

[-0.90 feet]

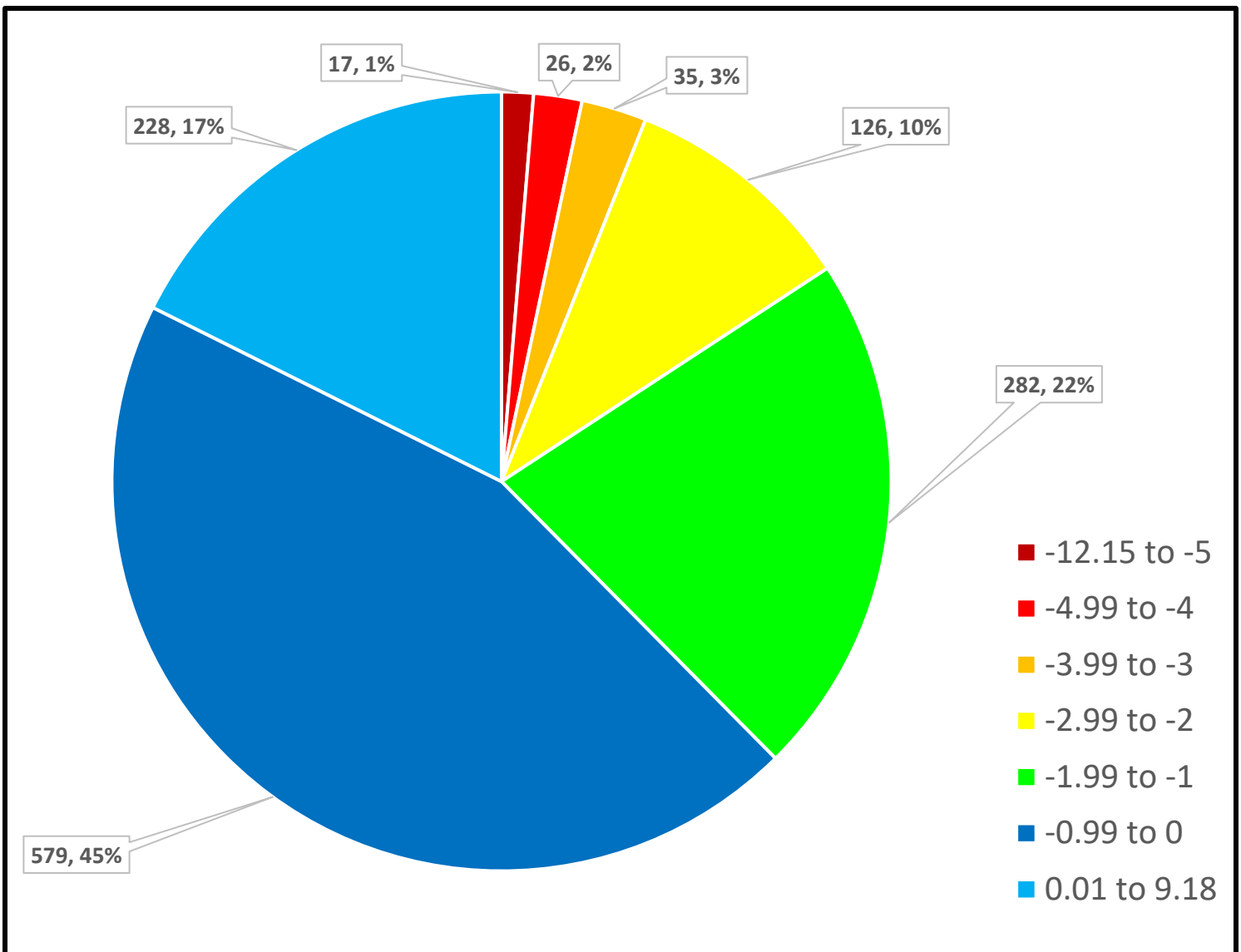
Average Saturated Thickness

[52 feet]

2024 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	+0.07	36	-0.16	+2.52
Bailey	99	-0.92	64	-4.19	-5.94
Castro	102	-1.93	50	-10.16	-18.77
Cochran	86	-1.12	42	-3.55	-4.12
Crosby	66	-1.23	81	-2.28	-3.12
Deaf Smith	94	-0.89	58	-4.60	-7.80
Floyd	102	-1.16	63	-3.93	-6.06
Hale	122	-0.86	56	-5.11	-8.95
Hockley	98	-0.71	38	-2.01	-1.91
Lamb	113	-0.84	46	-5.40	-8.94
Lubbock	113	-0.74	57	-1.90	-0.94
Lynn	93	-0.53	49	-4.85	-0.65
Parmer	102	-1.02	45	-6.64	-11.98
Potter	7	-0.39	55	-1.55	-3.09
Randall	50	-0.12	53	-0.67	-0.94
Swisher	87	-0.32	42	-1.88	-2.29

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



This pie chart contains a summary of the wells affected by categories of change. There are 1,293 wells measured in both 2023 and 2024 used to calculate the change. The labels indicate the number of wells in each category, as well as the percentage of wells within that range. For example, there are 579 wells affected by -0.99 to 0 feet of change, which is 45% of the total. HPWD encourages groundwater owners to view the specific conditions applicable to your area by visiting the interactive map.hpwd.org.

Water Level Changes in the Ogallala & Edwards-Trinity (High Plains) Aquifers

