

2025 Water Level Measurements

High Plains Water District staff measured approximately 1,340 observation wells in the Ogallala and Edwards-Trinity (High Plains) Aquifers in early 2025 to determine the water level changes since 2024.

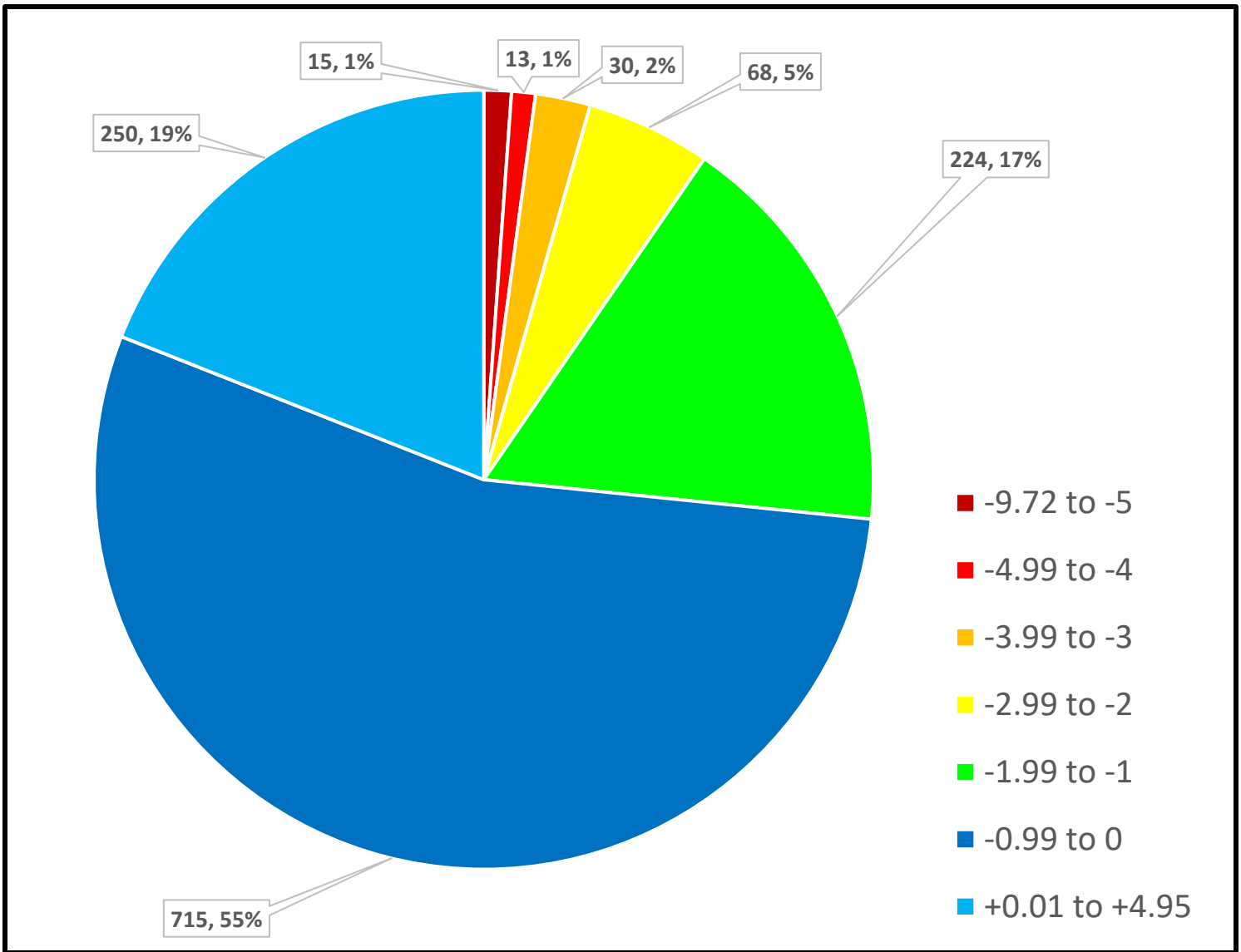
District Average Change
[-0.66 feet]

Average Saturated Thickness
[51 feet]

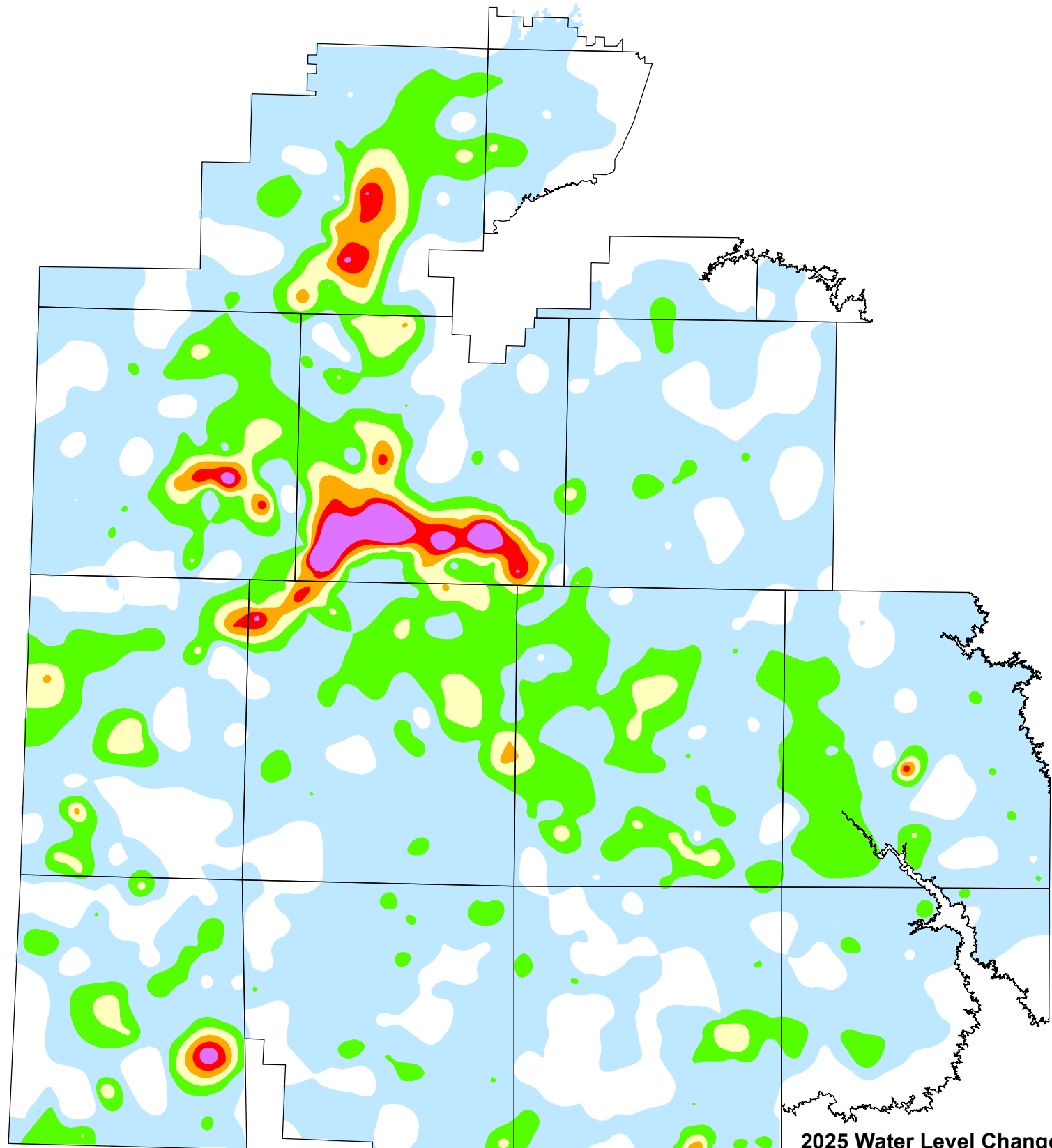
2025 County Summary

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	+0.16	36	-0.02	+2.56
Bailey	100	-0.50	61	-4.20	-5.82
Castro	102	-1.58	48	-9.69	-17.83
Cochran	86	-0.50	41	-3.65	-4.51
Crosby	66	-0.21	81	-1.98	-3.16
Deaf Smith	95	-0.97	58	-5.21	-7.92
Floyd	102	-0.51	62	-3.85	-6.32
Hale	120	-0.84	55	-4.92	-8.58
Hockley	98	-0.33	38	-2.32	-1.79
Lamb	115	-0.97	47	-5.55	-9.04
Lubbock	112	-0.31	57	-2.30	-1.14
Lynn	90	-0.98	44	-4.86	-2.52
Parmer	102	-0.70	44	-6.03	-10.97
Potter	6	-0.23	59	-1.96	-5.44
Randall	51	-0.13	54	-0.71	-0.94
Swisher	87	-0.31	42	-2.01	-2.21

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



This pie chart summarizes the wells affected by categories of change. The change was calculated using 1,315 wells measured in 2024 and 2025. The labels indicate the number of wells in each category and the percentage of wells within that range. For example, 715 wells are affected by -0.99 to 0 feet of change, which is 55% of the total. HPWD encourages groundwater owners to view the specific conditions applicable to their area by visiting the interactive map.hpwd.org.



**2025
Water Level Changes in the Ogallala
& Edwards-Trinity (High Plains) Aquifers**



2025 Water Level Changes

