



2023 Water Level Measurements

High Plains Water District staff measured approximately 1,338 observation wells in the Ogallala and Edwards-Trinity (High Plains) Aquifers during early 2023 to determine the water level changes since 2022.

District Average Change

Average Saturated Thickness

[-0.71 feet]

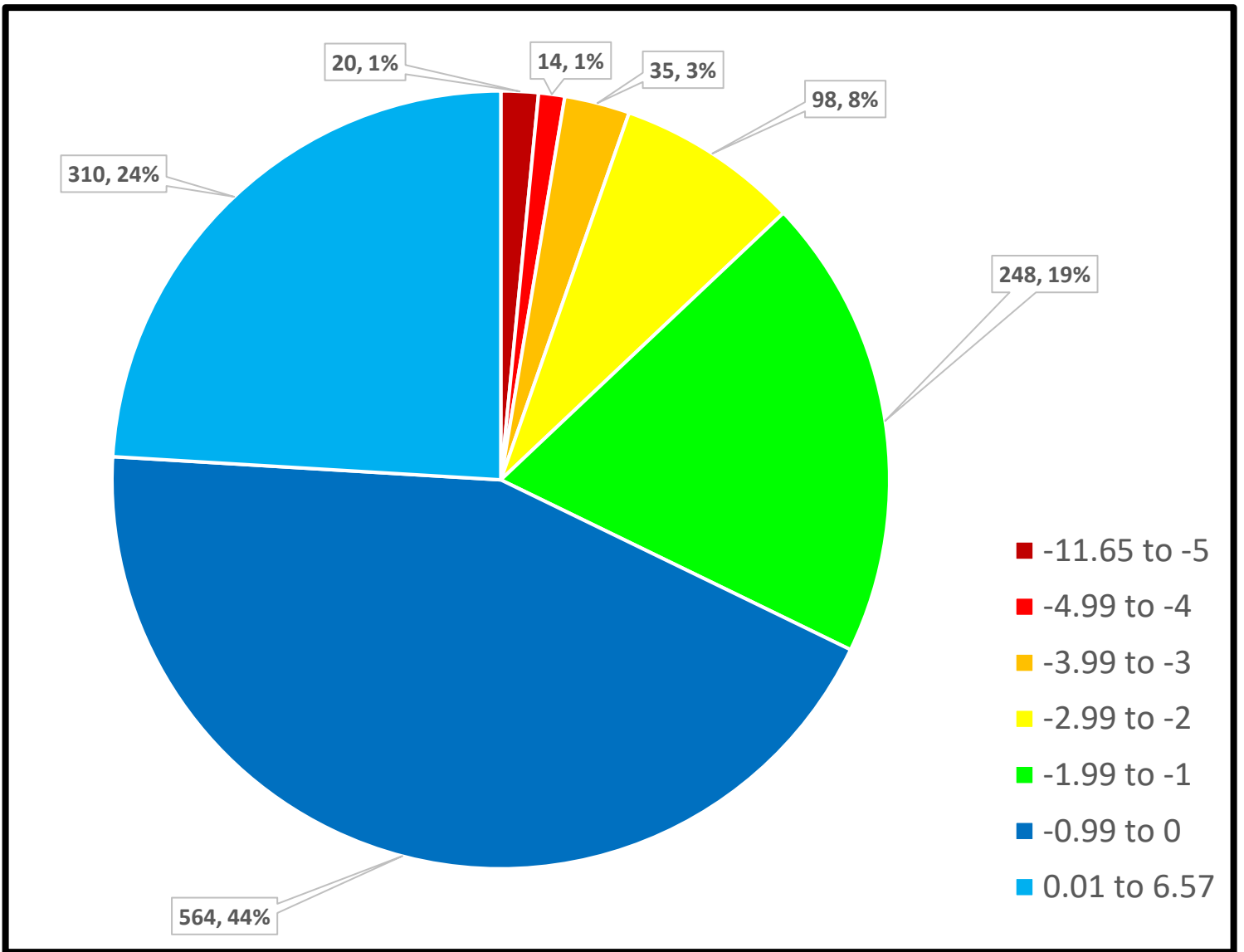
[52 feet]

2023 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	-0.06	+2.53
Bailey	97	-0.61	64	-3.93	-5.41
Castro	103	-1.98	52	-10.12	-18.92
Cochran	82	-0.32	38	-3.11	-4.01
Crosby	66	-0.52	82	-2.58	-2.46
Deaf Smith	94	-1.17	59	-4.75	-7.94
Floyd	101	-0.40	63	-4.19	-6.13
Hale	122	-0.83	57	-5.51	-9.11
Hockley	97	-0.01	39	-2.39	-2.02
Lamb	114	-0.74	46	-5.37	-9.45
Lubbock	113	-0.28	58	-2.29	-1.32
Lynn	92	-0.86	48	-4.89	-1.79
Parmer	103	-1.30	46	-6.50	-12.77
Potter	7	-0.33	55	-1.64	-3.48
Randall	49	-0.23	52	-1.03	-1.27
Swisher	87	-0.49	44	-2.04	-2.70

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

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This pie chart contains a summary of the wells affected by categories of change. There are 1,289 wells measured in both 2022 and 2023 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 564 wells affected by -0.99 to 0 feet of change, which is 44% of the total. HPWD encourages groundwater owners to view the specific conditions applicable to your area by visiting the interactive [map](#).

** More calculations are being made to create an accurate saturated thickness map.