2020 WATER LEVEL MEASUREMENTS

High Plains Water District

High Plains Water District staff measured 1,345 observation wells in the Ogallala and Edwards-Trinity (High Plains) Aquifers in early 2020 to determine the water level changes since 2019.

District Average Change

-0.62 feet

Avg. Saturated Thickness

55 feet

View all observation well data at **map.hpwd.org**

2020 County Summary

County	Obs. Well Count	Avg. Change (feet)	Avg. Saturated Thickness (feet)
Armstrong	10	0.02	38
Bailey	101	-0.50	62
Castro	104	-1.89	60
Cochran	83	-0.46	39
Crosby	69	-0.54	89
Deaf Smith	94	-0.30	61
Floyd	100	-0.58	68
Hale	121	-0.97	59
Hockley	98	-0.01	40
Lamb	115	-0.81	50
Lubbock	111	-0.06	61
Lynn	95	-0.85	47
Parmer	102	-1.06	49
Potter	7	-0.09	52
Randall	51	-0.05	53
Swisher	84	-0.20	46

District-wide Average Water Level Changes

Year	Average Change (feet)
2020	-0.62
2019	-1.05
2018	-0.16
2017	-0.52
2016	+0.37
2015	-0.56
2014	-1.32
2013	-1.87
2012	-2.56
2011	-0.05

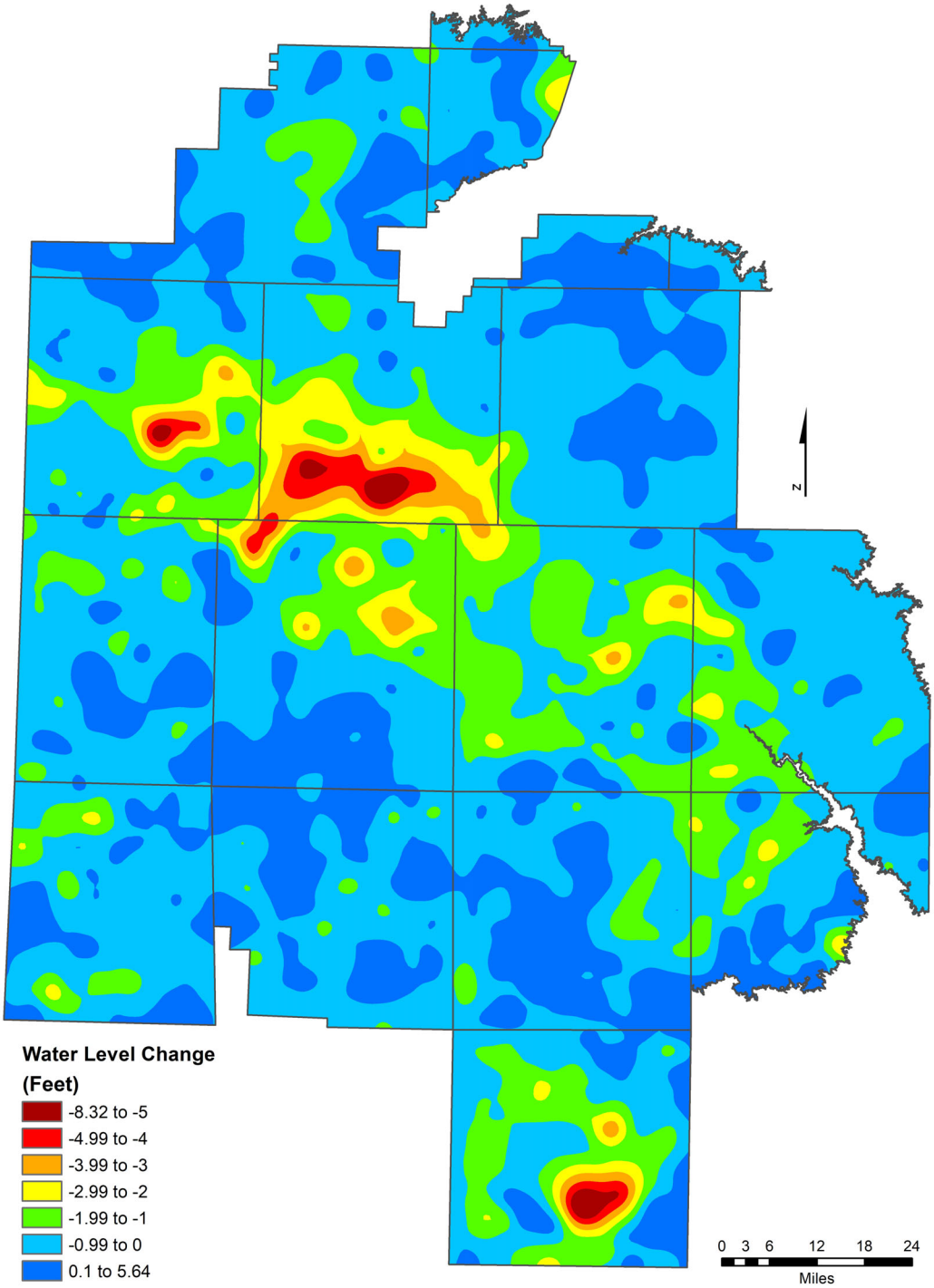
See map on back for areas of change.

High Plains Water District
www.hpwd.org

High Plains Underground Water Conservation District
hpwd.org | 806.762.0181 | 2930 Avenue Q, Lubbock, TX 79411

Updated 4/1/20

2020 WATER LEVEL CHANGE



Maximum Water Level Rise

[5.64 feet]

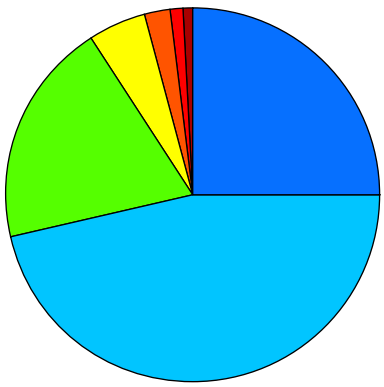
Hockley County

Maximum Water Level Decline

[-8.32 feet]

Castro County

Analysis of Water Level Changes (feet)



-8.32 to -5	10 wells
-4.99 to -4	14 wells
-3.99 to -3	30 wells
-2.99 to -2	65 wells
-1.99 to -1	258 wells
-0.99 to 0	617 wells
0.1 to 5.64	336 wells