

Dockum by the Numbers

The Dockum Aquifer is classified as a minor aquifer by the Texas Water Development Board. It underlies the entire High Plains Underground Water Conservation District's service area, buried far below the Ogallala and Edwards-Trinity (High Plains) aquifers. Since April 2015, HPWD staff have concentrated on obtaining information concerning this aquifer. This infographic summarizes what we have learned and accomplished so far.

272

active wells

22

well sites with detailed geophysical logs

4

research projects funded

3

test wells

108

flow tests performed
(production ranges from 56 gpm to 1010 gpm)

2

continuous water level monitoring sites

32

annual water level observation wells



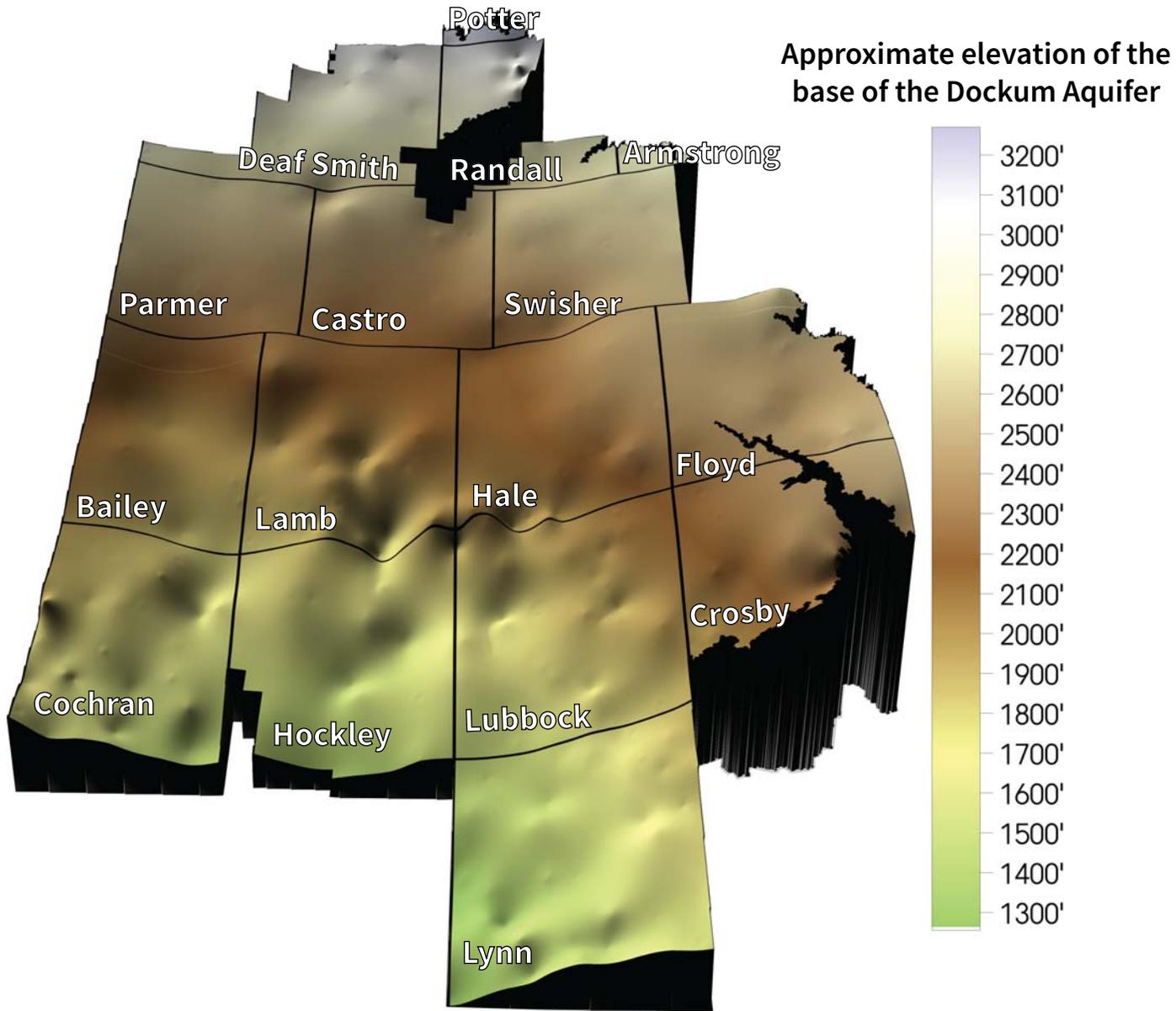
High Plains
Underground Water
Conservation District

Visit www.hpwd.org to learn more about well spacing requirements, current aquifer levels, USGS geophysical logs, and more.

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2018 Dockum Study Results

The elevations and well depths shown below are taken from a 2015 study prepared for the Texas Water Development Board.



County	Active Well Count	Avg Depth to Base (feet)	Min - Max Depth to Water (feet)	Min - Max Flow (gpm)	Min - Max Conductivity (uS/cm)
Armstrong	0	684	-	-	-
Bailey	0	1922	-	-	-
Castro	6	1380	339 - 644	-	1720 - 1720
Cochran	0	2136	-	-	-
Crosby	36	886	248 - 326	-	-
Deaf Smith	129	1101	392 - 822	132 - 800	904 - 44000
Floyd	10	690	98 - 349	-	555 - 555
Hale	4	1232	451 - 452	450 - 750	33200 - 36300
Hockley	1	1858	526 - 531	-	-
Lamb	0	1611	-	-	-
Lubbock	1	1390	551 - 559	56 - 56	69709 - 74300
Lynn	0	1542	-	-	-
Parmer	1	1544	-	-	-
Potter	2	640	-	-	-
Randall	61	572	179 - 651	125 - 385	552 - 1461
Swisher	21	952	308 - 558	169 - 1010	1239 - 3889

*Conductivity is a method of determining salinity.