

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.

263

active wells

19

well sites with detailed geophysical logs

5

research projects funded

2

test wells in Lubbock and Abernathy

109

flow tests performed
(production ranges from 20 gpm to 1050 gpm)

2

continuous water level monitoring sites

30

annual water level observation wells



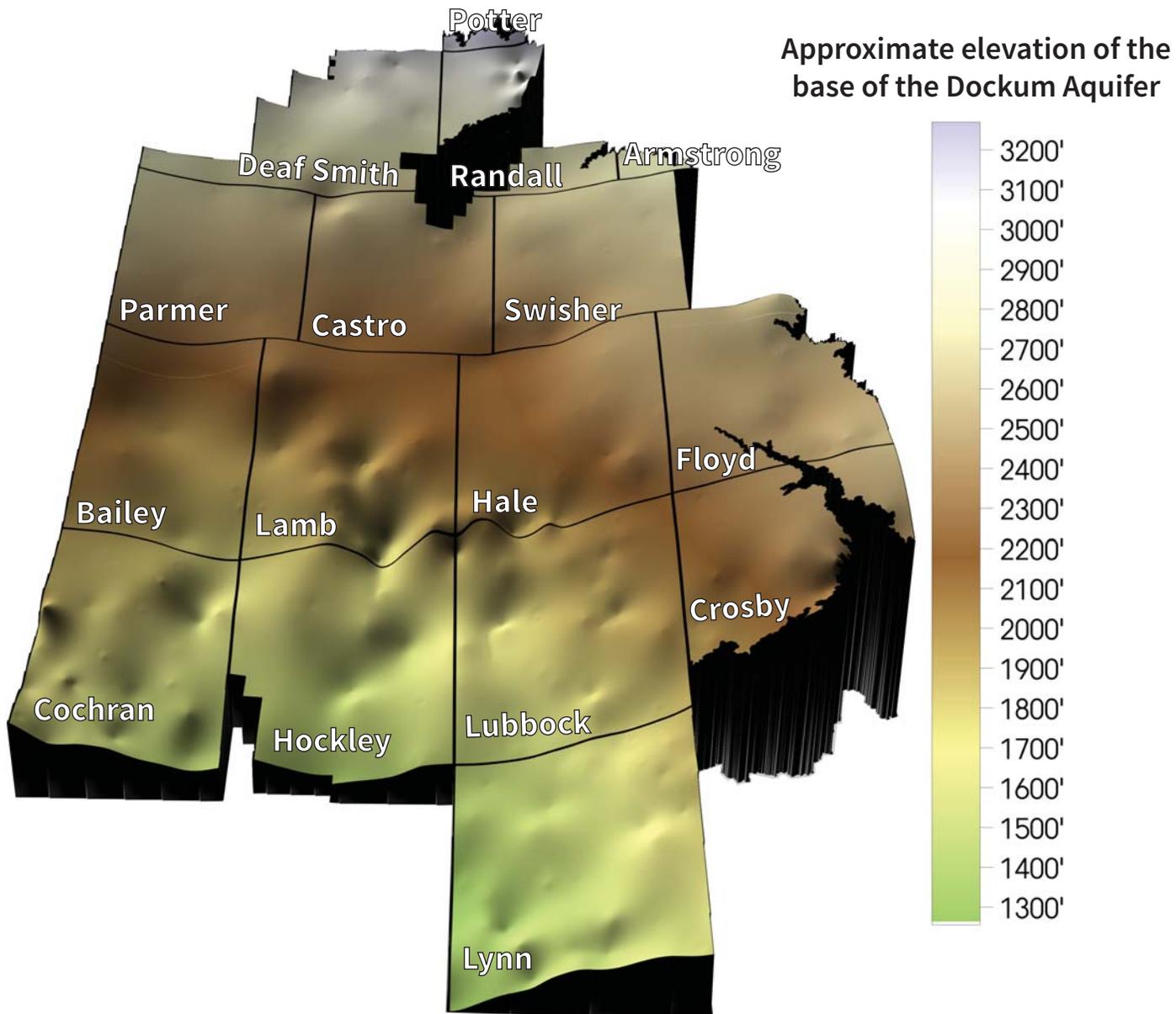
High Plains
Underground Water
Conservation District

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

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2016 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 (263) | Avg. Depth to Base (feet) | Avg. Depth to Water (feet) | Avg. Flow (gpm) | Avg. Conductivity* (uS/cm) |
|------------|----------------------------|------------------------------|-------------------------------|--------------------|-------------------------------|
| Armstrong | 0 | 684 | - | - | - |
| Bailey | 0 | 1922 | - | - | - |
| Castro | 6 | 1380 | 427 | - | - |
| Cochran | 0 | 2136 | - | - | - |
| Crosby | 27 | 886 | 286 | 164 | - |
| Deaf Smith | 137 | 1101 | 627 | 517 | 2711 |
| Floyd | 3 | 690 | 214 | - | 9910 |
| Hale | 1 | 1232 | 449 | 450 | 54550 |
| Hockley | 1 | 1858 | 530 | - | - |
| Lamb | 0 | 1611 | - | - | - |
| Lubbock | 0 | 1390 | - | - | - |
| Lynn | 0 | 1542 | - | - | - |
| Parmer | 0 | 1544 | - | - | - |
| Potter | 2 | 640 | - | - | - |
| Randall | 65 | 572 | 359 | 262 | 902 |
| Swisher | 21 | 952 | 428 | 505 | 1962 |

*Conductivity is a method of determining salinity.