



MONITORING NETWORK UPDATE

A PRESENTATION BY
BOBBY BAZAN &
RALPH SIFUENTES

2018 ANNUAL MONITORING CAMPAIGN

- CONDUCTED ANNUALLY FROM FEBRUARY THRU APRIL
- 134 WELLS RECORDED
- TRENDS WERE ON PAR WITH PREVIOUS YEARS' AVERAGES
- MEASURED SOME UNEXPECTED DRAWDOWNS

UNEXPECTED DRAWDOWN

- MEASUREMENTS AT DEANVILLE WSC WERE NOTICEABLY LOWER THAN PREVIOUS YEAR
 - WHAT WE DO KNOW:
 - WE HAVE TAKEN ADDITIONAL MEASUREMENTS THIS SPRING AND SUMMER
 - WATER LEVELS ARE LOWER IN SUMMER DUE TO PEAK DEMAND
 - WELLS ARE STILL CAPABLE OF PROVIDING FOR THEIR CUSTOMERS
 - WHAT WE ARE STILL TRYING TO LEARN:
 - WHAT CAUSED DRAWDOWN
 - SEASONAL WATER LEVEL FLUCTUATIONS
 - HYDRAULIC PROPERTIES AT WELL

COMPLIANCE WITH DESIRED FUTURE CONDITIONS

Management Zone	DFC	Drawdown from 2000 to 2012		Drawdown from 2000 to 2013		Drawdown from 2000 to 2014		Drawdown from 2000 to 2015		Drawdown from 2000 to 2016		Drawdown from 2000 to 2017	
		<i>feet</i>	%										
Yegua Jackson	100	31.8	32%	34.5	34%	35.7	36%	40.0	40%	47.0	47%	46.9	47%
Sparta	30	3.5	12%	4.2	14%	4.6	15%	5.8	19%	8.0	27%	11.0	37%
Queen City	30	3.1	10%	2.8	9%	3.2	11%	1.8	6%	0.2	1%	-0.4	-1%
Carrizo	65	6.7	10%	9.3	14%	--	--	10.2	16%	10.6	16%	11.4	18%
Calvert Bluff (Upper Wilcox)	140	-11.4	-8%	-11.9	-9%	-11.5	-8%	-8.9	-6%	-9.2	-7%	-10.9	-8%
Simsboro (Middle Wilcox)	300	10.9	4%	14.0	5%	14.2	5%	13.2	4%	11.6	4%	11.1	4%
Hooper (Lower Wilcox)	180	7.1	4%	7.3	4%	8.0	4%	9.1	5%	8.6	5%	6.0	3%

COMPLIANCE WITH PROTECTIVE DRAWDOWN LIMITS

Shallow Management Zone	PDL	Drawdown from 2000 to 2012		Drawdown from 2000 to 2013		Drawdown from 2000 to 2014		Drawdown from 2000 to 2015		Drawdown from 2000 to 2016		Drawdown from 2000 to 2017	
		<i>feet</i>	%										
Yegua Jackson	-15	-5.7	38%	-6.4	42%	-6.8	46%	-7.3	49%	-4.4	29%	-3.1	21%
Sparta	-10	-4.0	40%	-4.5	45%	-4.9	49%	-4.5	45%	-3.3	33%	-2.4	24%
Queen City	-10	-3.4	34%	-4.1	41%	-4.6	46%	-4.2	42%	-2.3	23%	-1.2	12%
Carrizo	-20	-4.7	23%	-5.8	29%	-6.2	31%	-5.8	29%	-3.4	17%	-2.2	11%
Calvert Bluff (Upper Wilcox)	-20	-5.9	29%	-7.0	35%	-7.2	36%	-7.0	35%	-5.7	28%	-4.5	22%
Simsboro (Middle Wilcox)	-20	-6.0	30%	-6.6	33%	-6.7	33%	-6.5	33%	-5.9	30%	-4.0	20%
Hooper (Lower Wilcox)	-20	-6.0	30%	-6.2	31%	-6.3	32%	-6.4	32%	-6.0	30%	-4.3	22%

CONTINUING TO EXPAND

BOARD ACTION RECENTLY ADOPTED PROTOCOLS FOR
EVALUATING COMPLIANCE WITH DFCS AND PDLs.

ALSO INCLUDED IN THIS DOCUMENT IS PROTOCOL
FOR MEASURING WATER LEVELS

Draft: Post Oak Savannah Guidance Document for Evaluating Compliance with Desired Future Conditions and Protective Drawdown Limits

Prepared for:



Post Oak Savannah Groundwater Conservation District
310 E Ave C
Milano, TX 76556

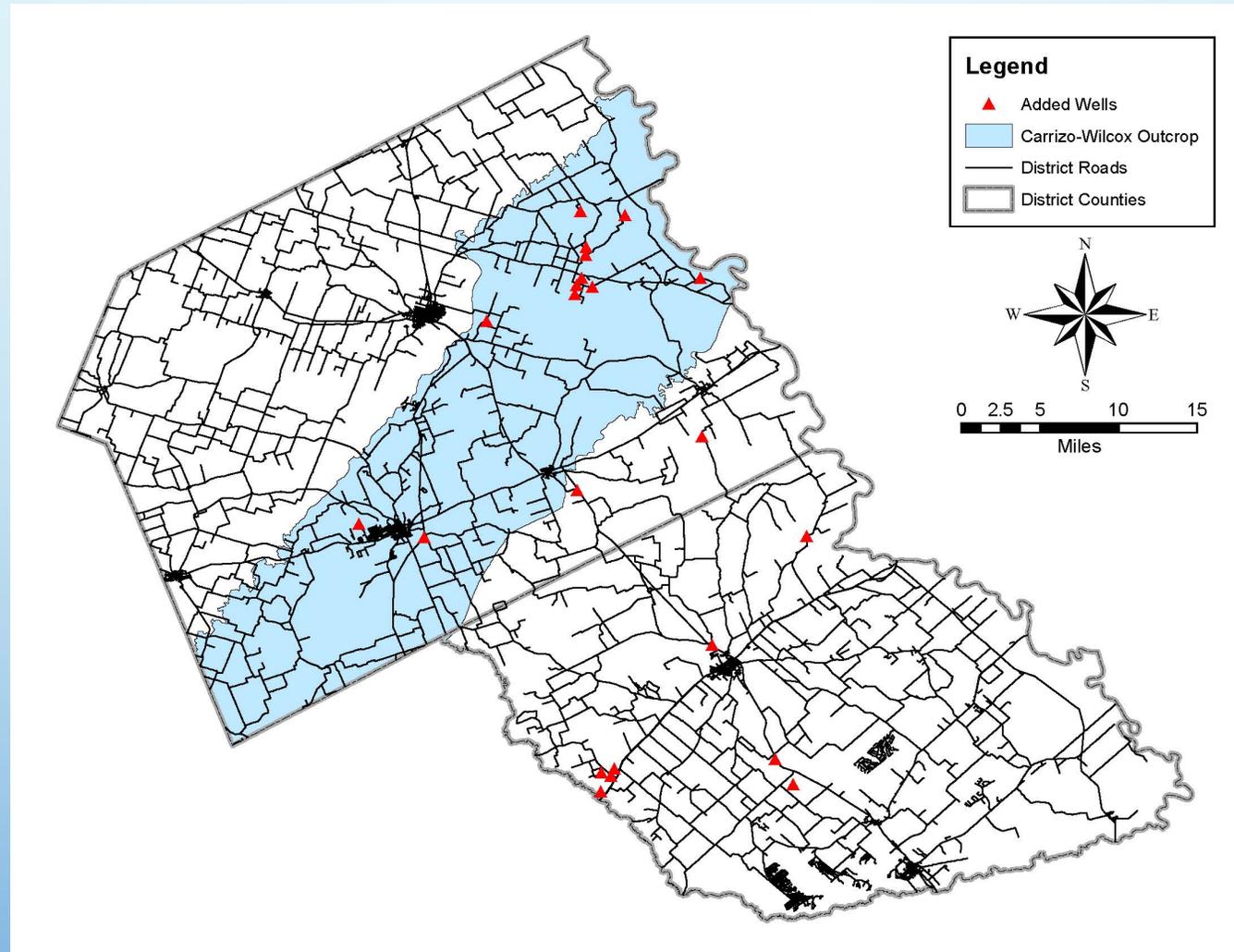
Prepared by:



August 2018

Version 2.0

CONTINUING TO EXPAND



WANT TO ADD YOUR WELL?

IF YOU WOULD LIKE TO ADD YOUR WELL TO THE NETWORK

CONTACT:

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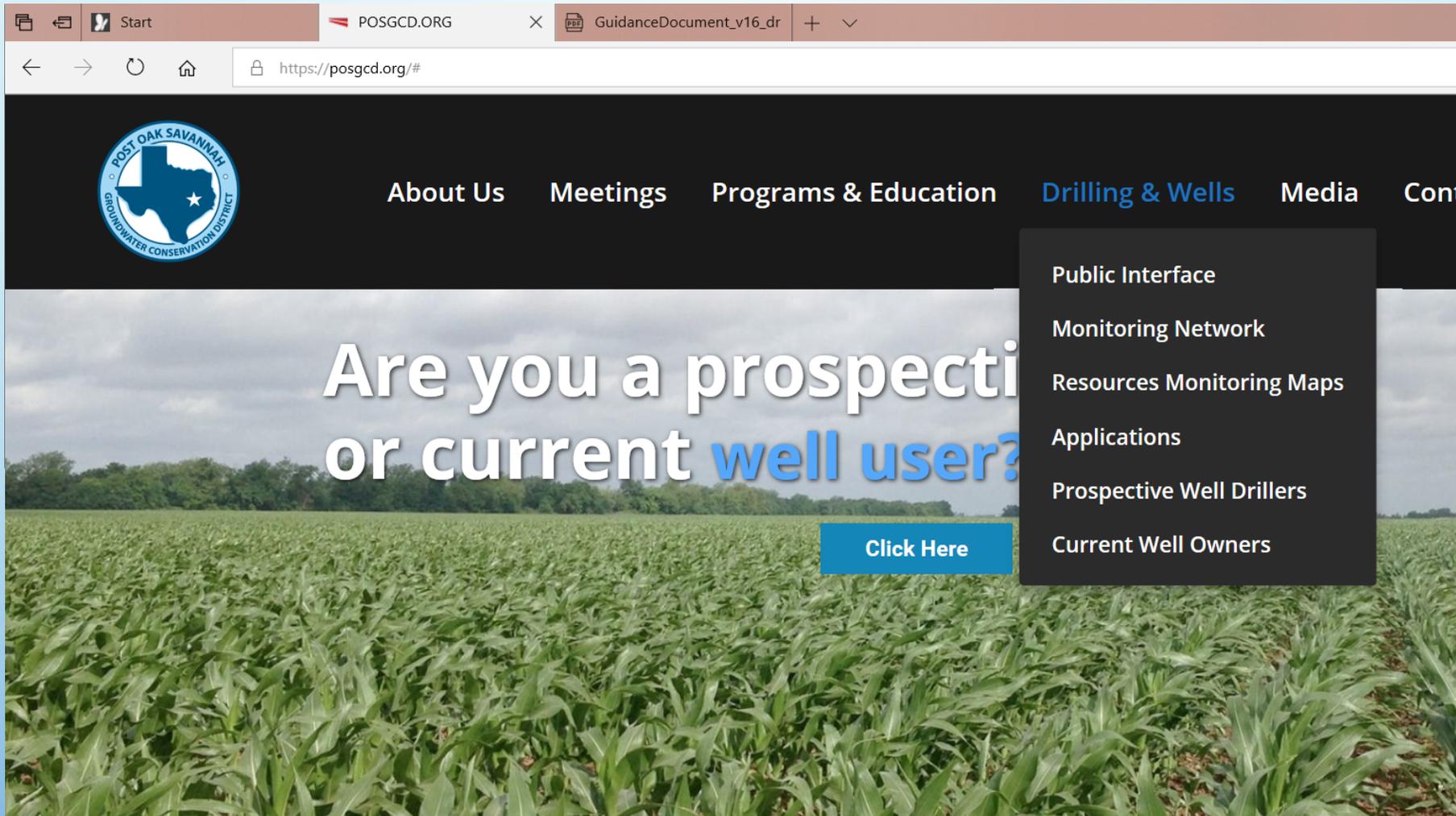
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OR

CALL 512-455-9900

IMPROVING TRANSPARENCY



The image shows a screenshot of a web browser displaying the website for the Post Oak Savannah Groundwater Conservation District (POSGCD.ORG). The browser's address bar shows the URL <https://posgcd.org/#>. The website's navigation menu includes the following items: About Us, Meetings, Programs & Education, **Drilling & Wells**, Media, and Contact. The **Drilling & Wells** menu is expanded, showing a list of options: Public Interface, Monitoring Network, Resources Monitoring Maps, Applications, Prospective Well Drillers, and Current Well Owners. The main content area features a large banner with a background image of a cornfield under a cloudy sky. The banner text reads: "Are you a prospective or current **well user?**" with a blue button labeled "Click Here" positioned below the text. The website's logo, which includes a map of Texas and the text "POST OAK SAVANNAH GROUNDWATER CONSERVATION DISTRICT", is located in the top left corner of the page.