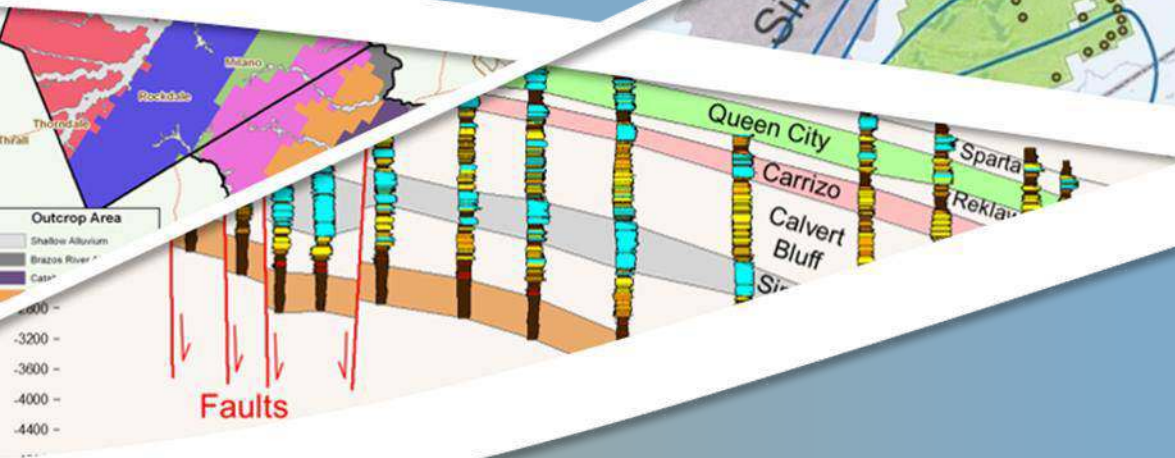


# Update on Vista Ridge Production and Changes in Water Levels

Presented To: POSGCD Board of Directors :



Presented By:  
Steve Young  
Jevon Harding  
Ross Kushnereit

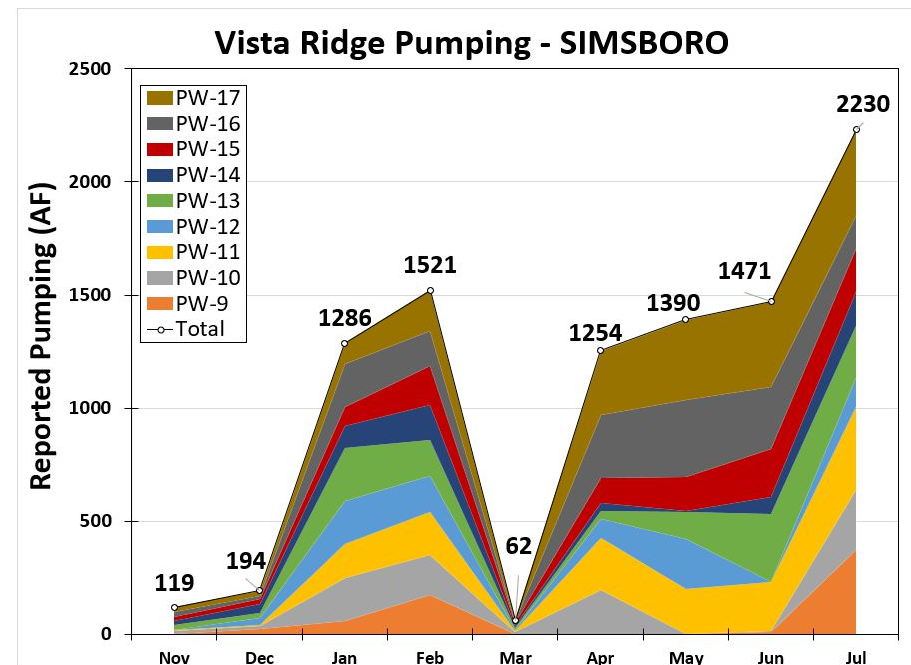
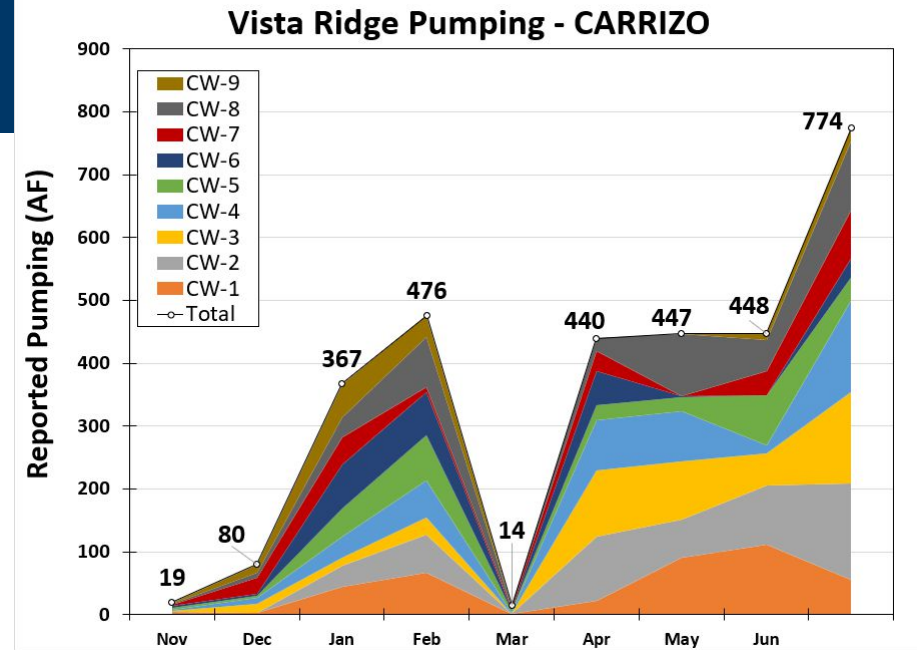


September 8, 2020

# Vista Ridge Pumping Through July 2020

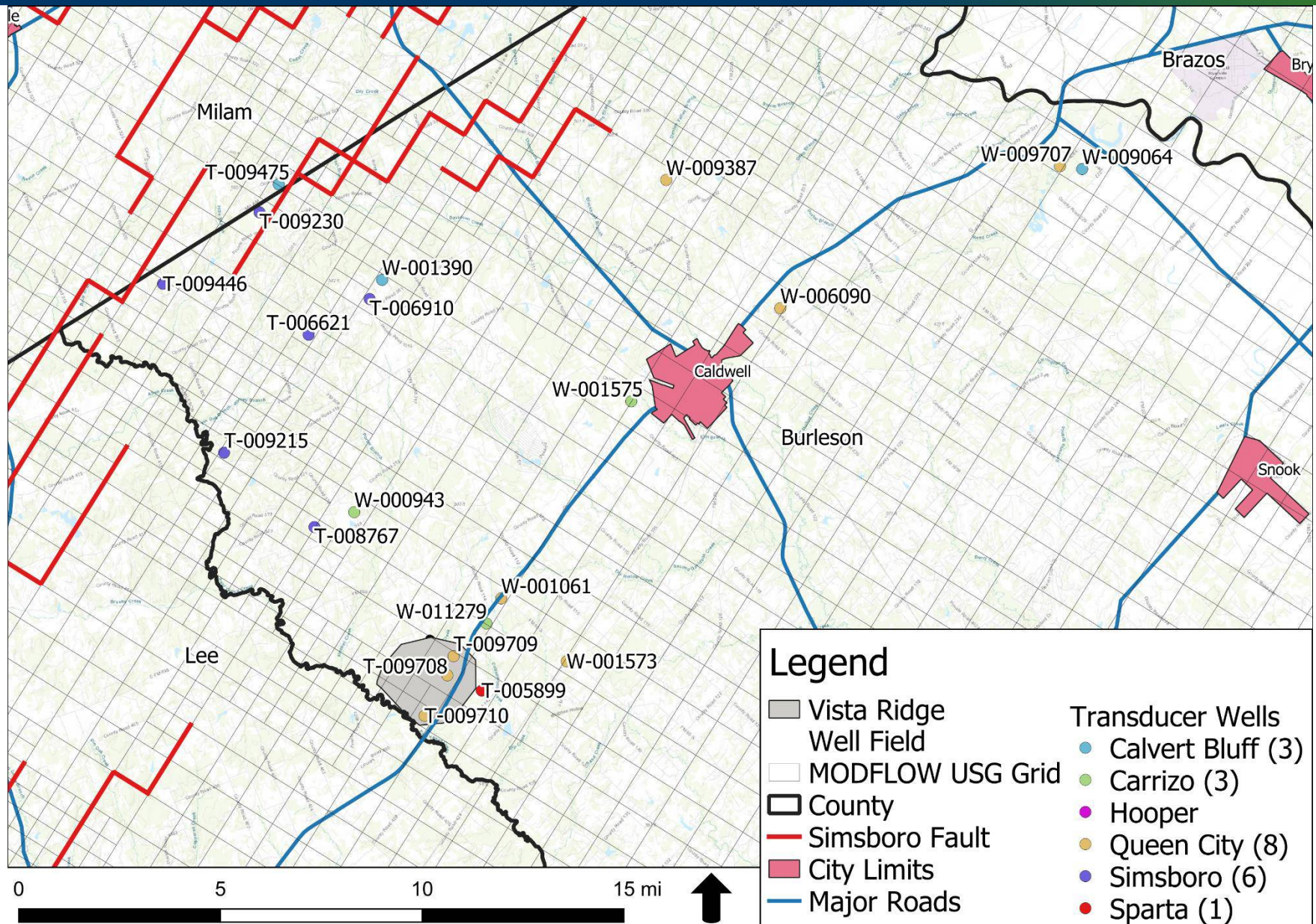
Month	Monthly acre-feet*		
	Carrizo	Simsboro	Total
Nov 2019	19	119	138
Dec 2019	80	194	274
Jan 2020	367	1,286	1653
Feb 2020	476	1,521	1997
Mar 2020	14	62	76
Apr 2020	440	1,254	1694
May 2020	447	1,390	1837
Jun 2020	448	1,471	1919
Jul 2020	774	2,230	3004
Avg. Monthly Permit	1,250	2,994	4,244

\*1000 af/month = 7,428 gpm





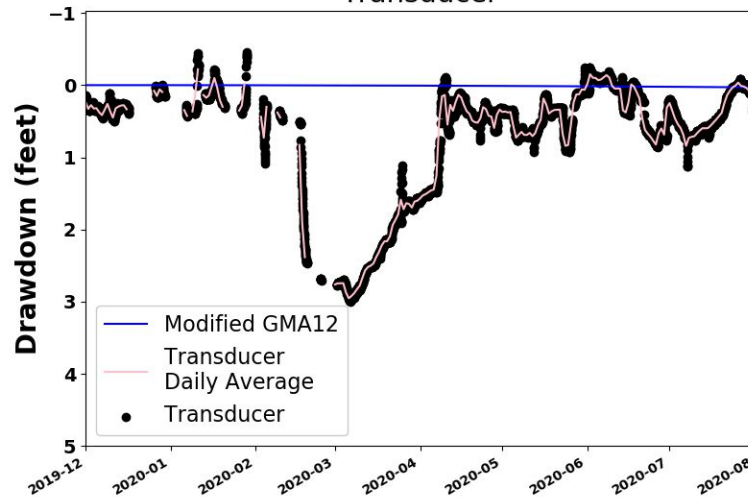
# Location of Transducers



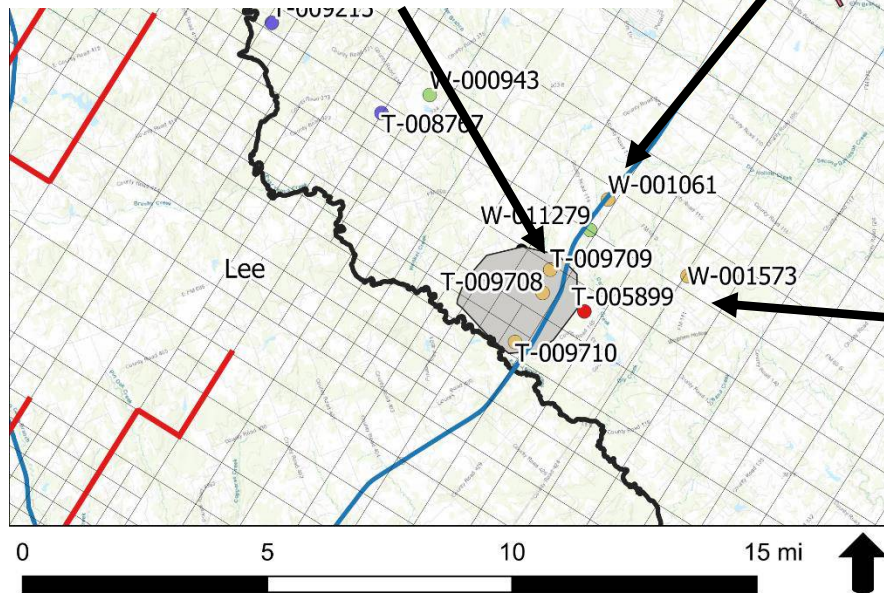
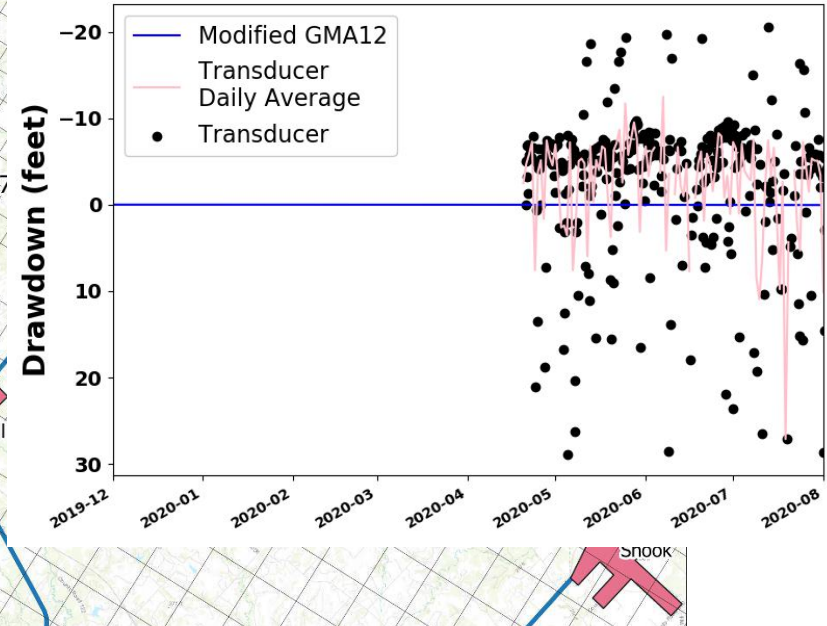


# Sparta & Queen City (Dec 2019 to July 2020)

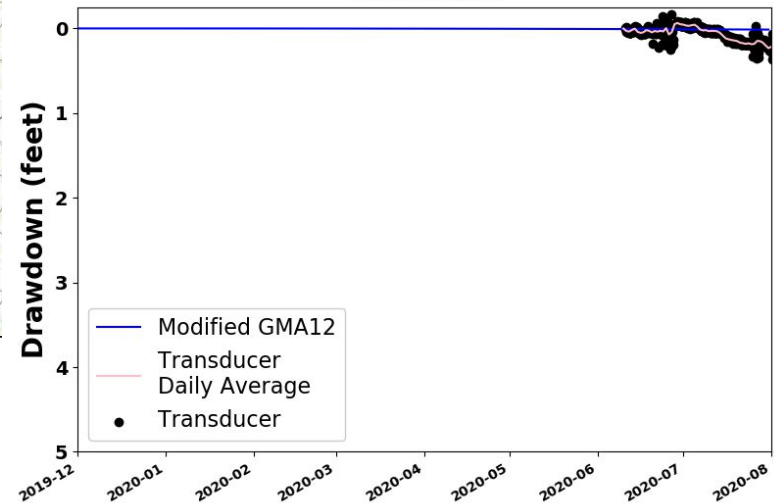
PO-009709 Queen City  
Transducer



PO-001573 Queen City  
WellIntel

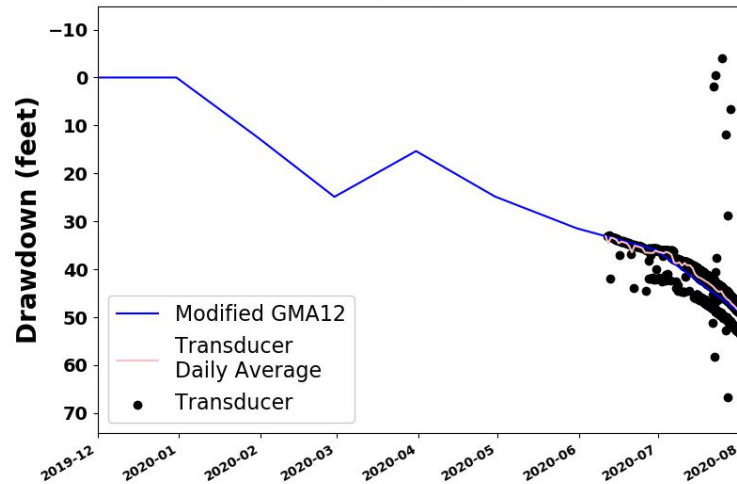


PO-005899 Sparta  
Transducer

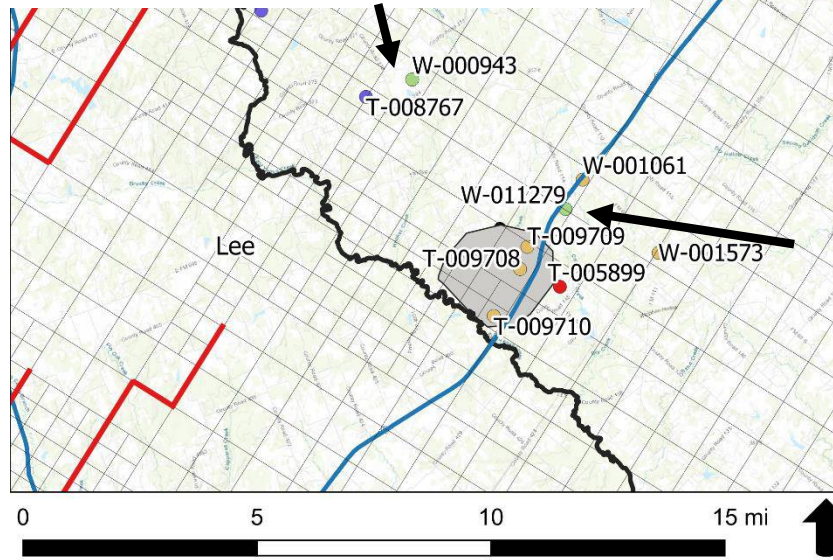
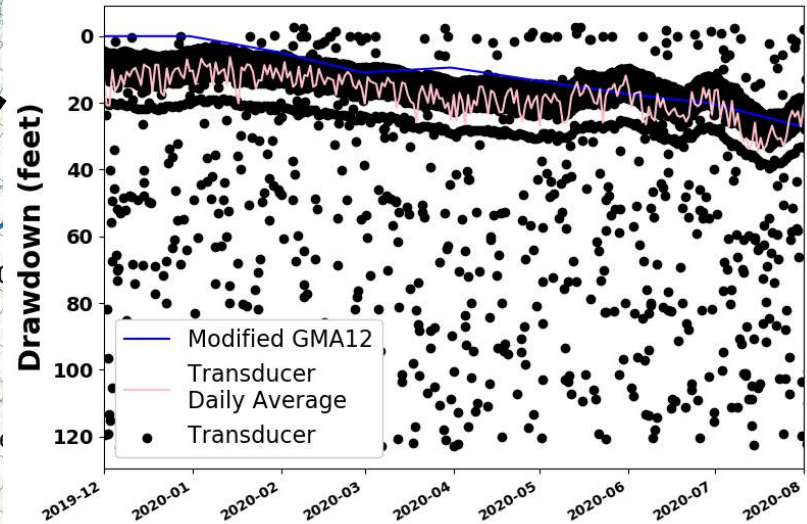


# Carrizo (Dec 2019 to July 2020)

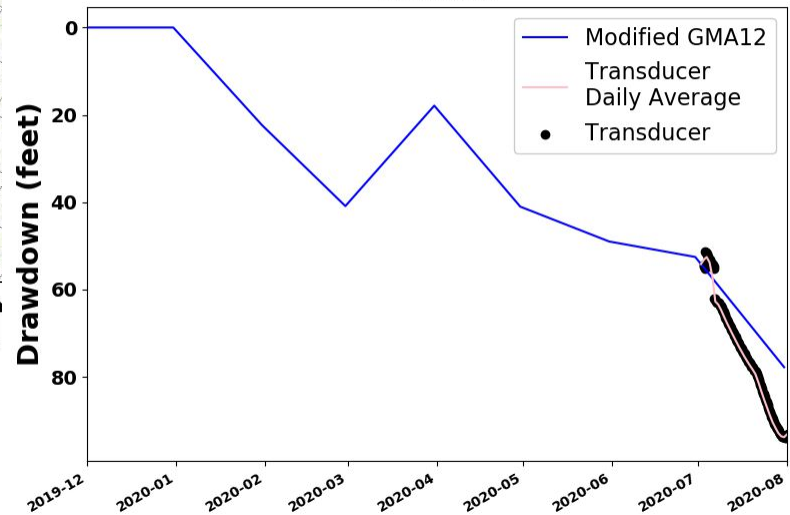
PO-000943 Carrizo  
WellIntel



PO-001575 Carrizo  
WellIntel

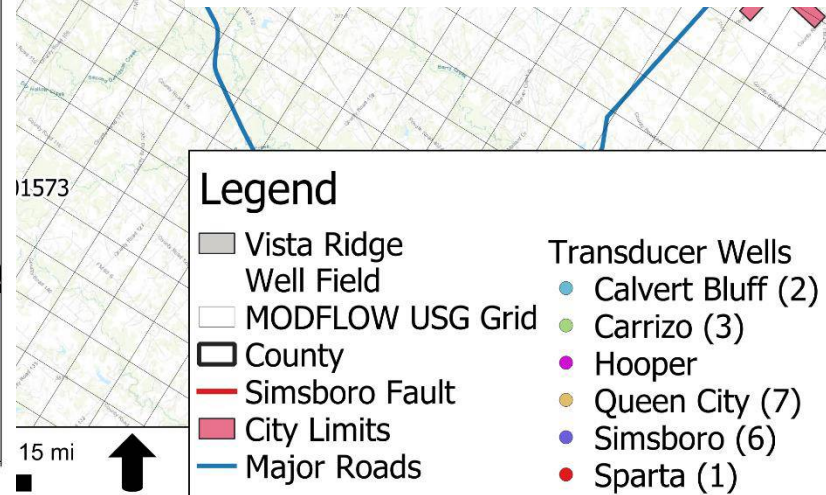
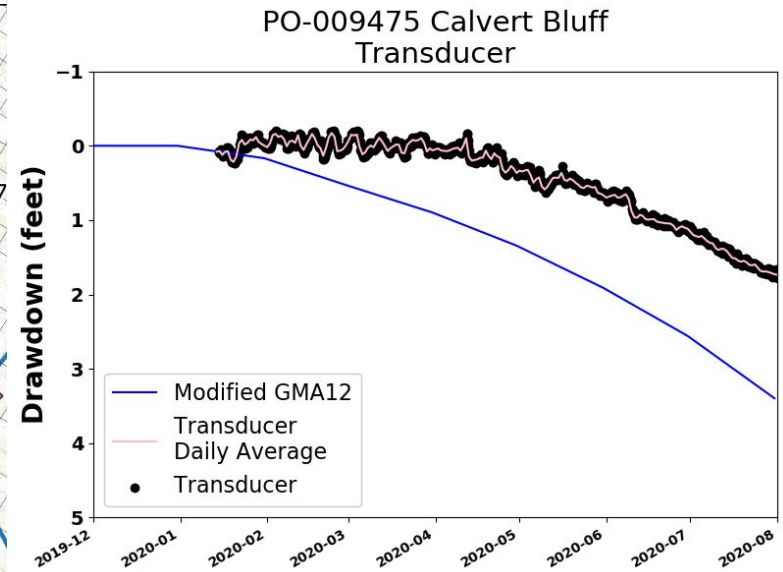
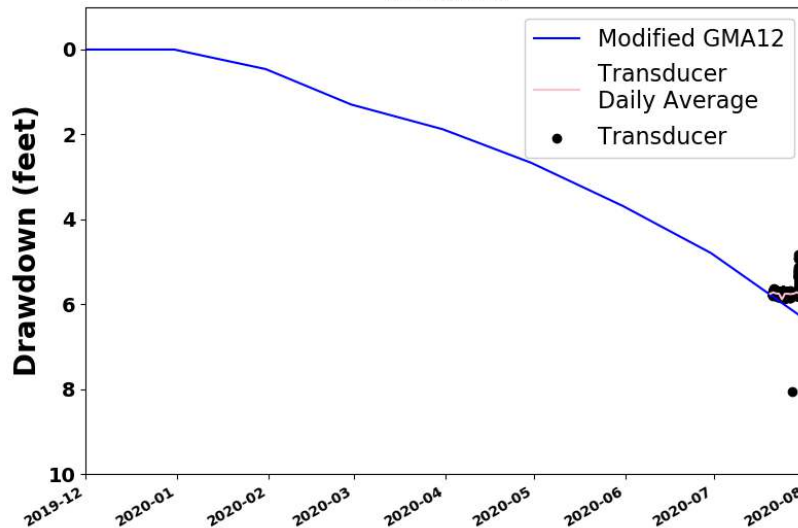
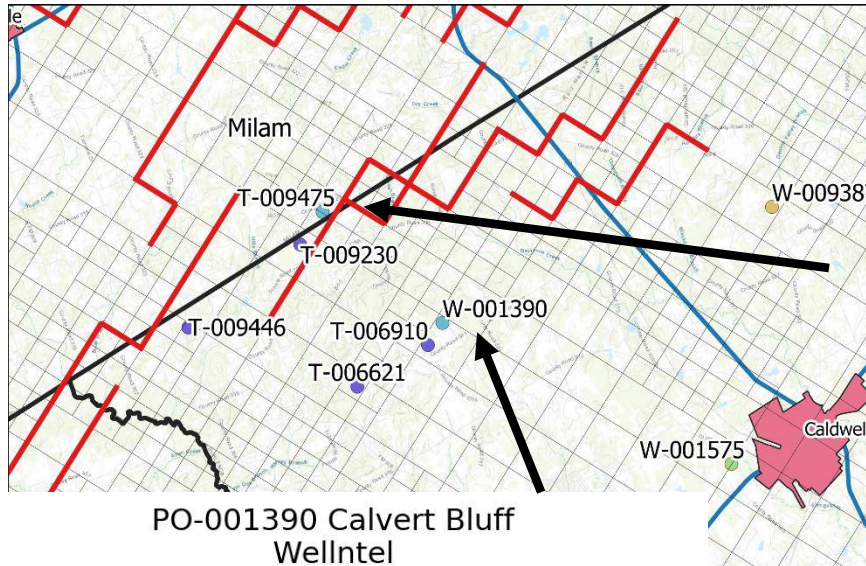


PO-011279 Carrizo  
WellIntel

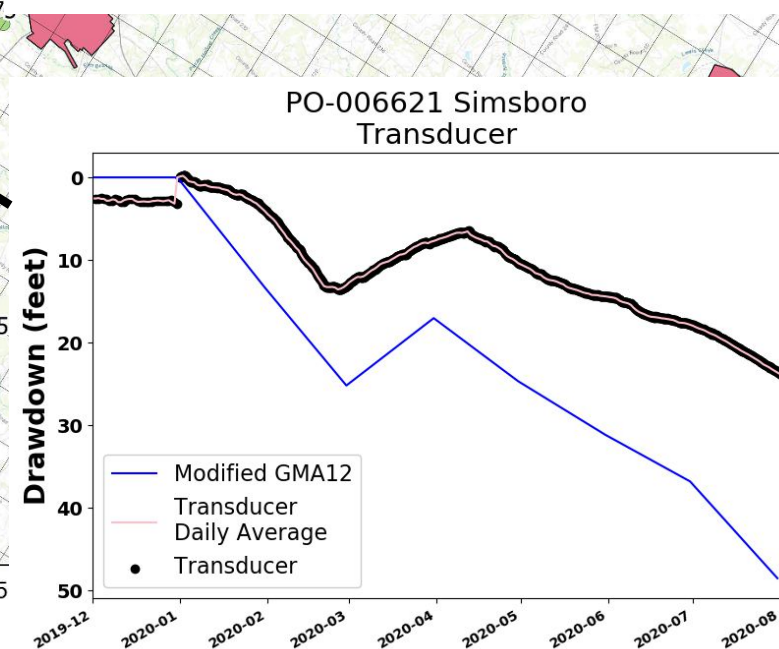
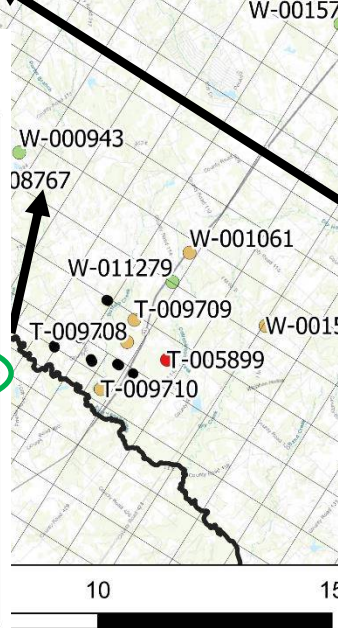
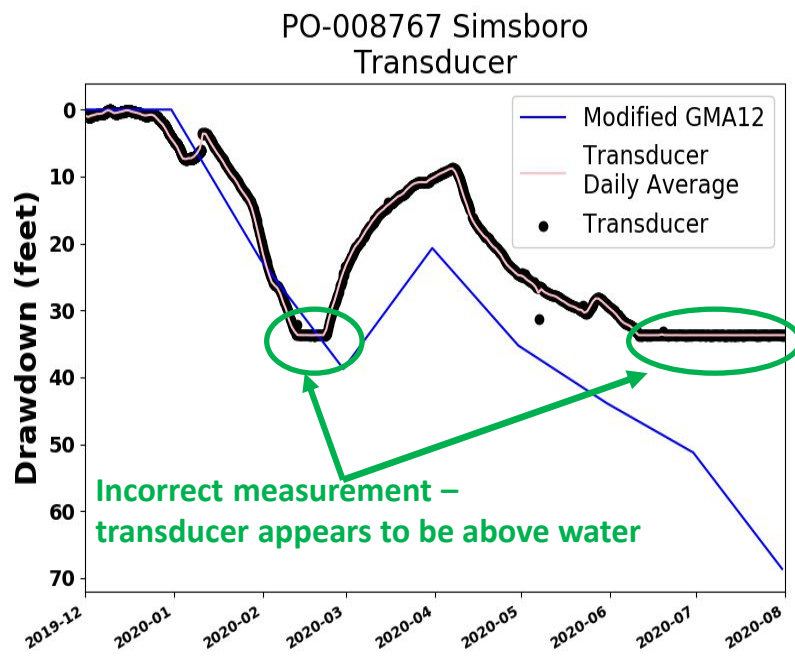
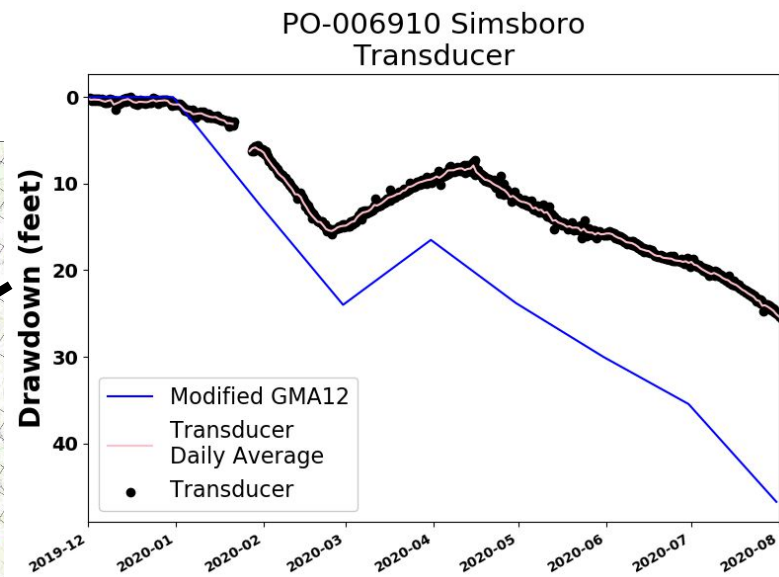
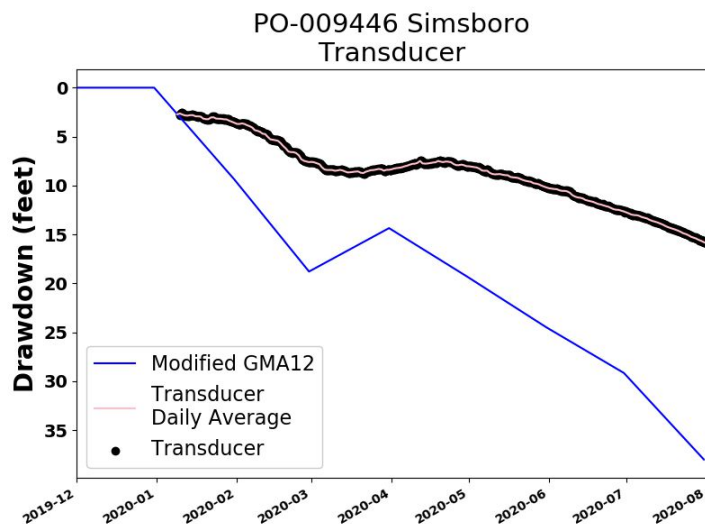




# Calvert Bluff (Dec 2019 to July 2020)



# Simsboro (Dec 2019 to July 2020)



# Observations: First 7 months

- Measured drawdowns are about the same or less than simulated by groundwater model - - no surprises
- No distinguishable drawdown impacts in Sparta or Queen City attributed to Vista Ridge Production
- Groundwater model simulated drawdowns
  - similar in magnitude to measured values in Carrizo Aquifer
  - greater in magnitude to measured values in Simsboro Aquifer
- Assumptions for groundwater model simulations
  - Monthly time step
  - Only considers pumping from Vista Ridge wells





Questions ?