

Brazos Valley Groundwater Conservation District

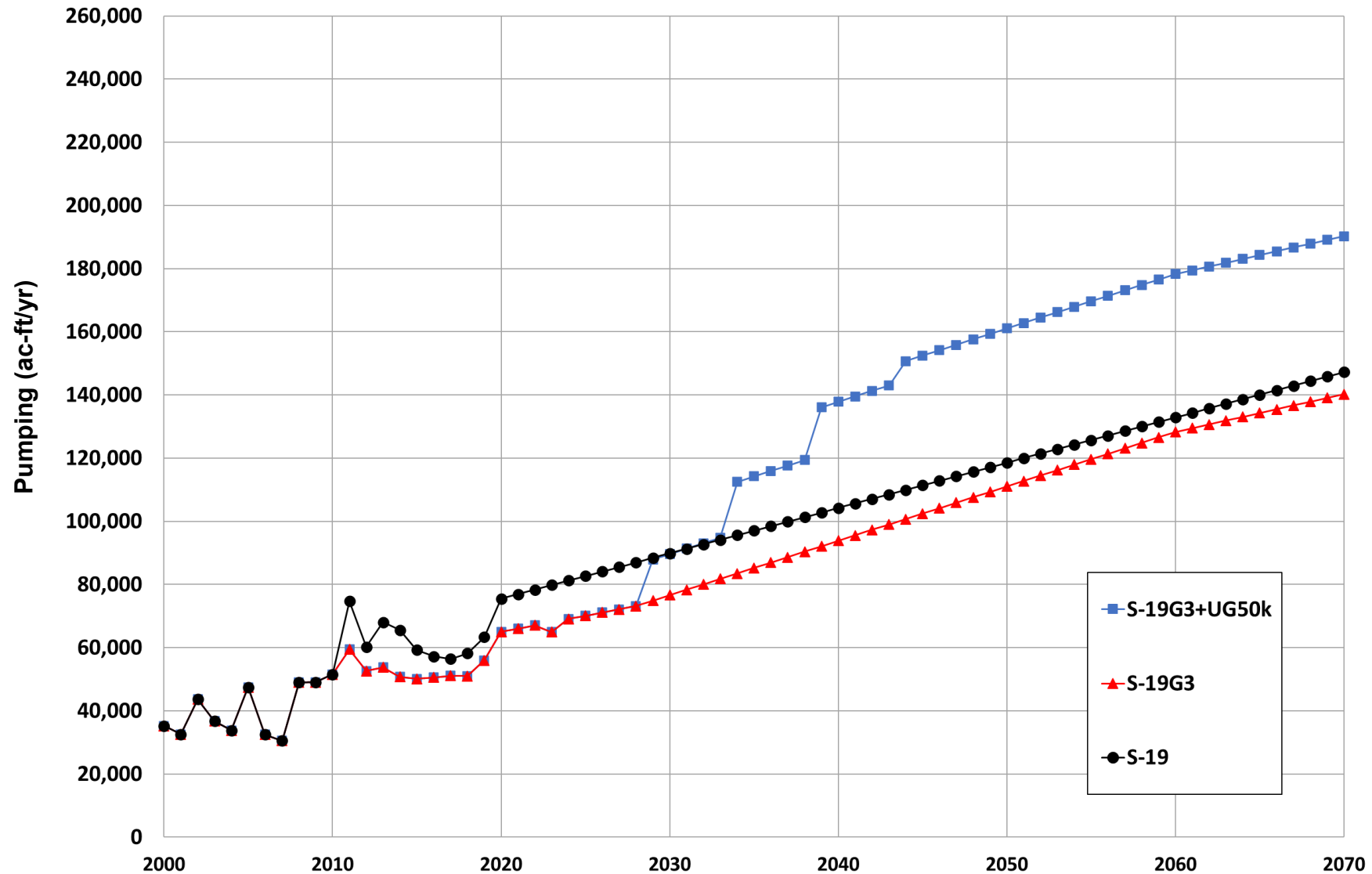
**BVGCD
“Best Estimate”
Scenario
for
presentation at
GMA-12**

September 12, 2024

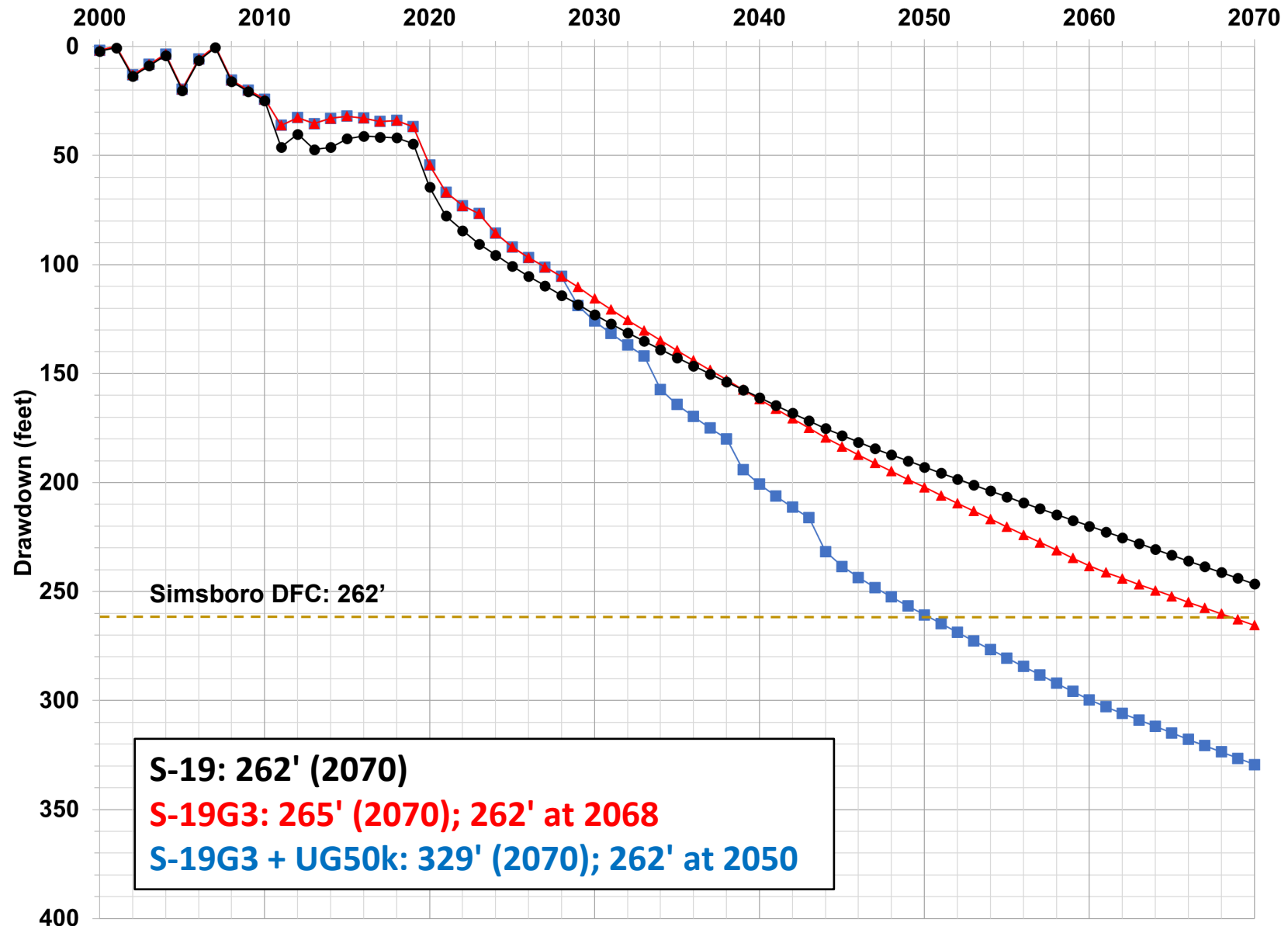
Assumptions

- S-19G3 is the Base Run
- Upwell-Georgetown Ramp up based on Georgetown letter dated June 17, 2024 (up to 50,000 afy maximum)
- No curtailments are Implemented

Comparison of Pumping Scenarios (BVGCD pumping)



Simsboro Drawdown 2000– 2070



Compare DFCs to BVGCD “Best Estimate” Scenario

Approved DFCs

TWDB Approved DFCs	Sparta	Queen City	Carrizo	Calvert Bluff	Simsboro	Hooper
Fayette County GCD	43	73	140	--	--	--
Brazos Valley GCD	53	44	84	111	262	167
Lost Pines GCD	22	28	134	132	240	138
MidEast Texas GCD	25	20	48	57	76	69
Post Oak Savannah GCD	32	30	146	156	278	178

Drawdown from BVGCD “Best Estimate”

S-19G3+UG50k	Sparta	Queen City	Carrizo	Calvert Bluff	Simsboro	Hooper
Fayette County GCD	46	80	148	--	--	--
Brazos Valley GCD	55	49	92	137	329	215
Lost Pines GCD	27	35	136	151	290	166
MidEast Texas GCD	32	30	60	75	103	90
Post Oak Savannah GCD	36	35	158	195	387	244

All drawdown in feet

Questions?

Assumptions for the S-19G3 Well File

- **Upwell Brazos Valley Farm**
 - 5,000 afy is divided evenly between 12 agricultural wells beginning in 2011 and held mostly constant through 2070
 - All other Upwell permitted production is set to 0 from 2029 to 2070
 - Allowing for transport pumping to be added in subsequent runs
- **Municipal Production based on 2070 Water Demand in the 2022 State Water Plan**
 - Current permitted production is the maximum amount
 - Permits greater than 2070 demand ramp up to 2070
 - Permits less than 2070 demand ramp up to 2060
 - held constant from 2060 through 2070
 - Municipal permits issued after S-19 are included in S-19G3 with pumping starting in 2029
- **Vista Ridge Well Field**
 - Simsboro pumping added to bring total combined Carrizo and Simsboro production to 50,000 afy from 2022 to 2070
 - Decrease Carrizo Pumping from 15,000 ac-ft to 9,100 ac-ft in 2024
 - Increase Simsboro Pumping from 35,000 ac-ft to 41,000 ac-ft in 2024

Fault Update to GAM V3.02

