

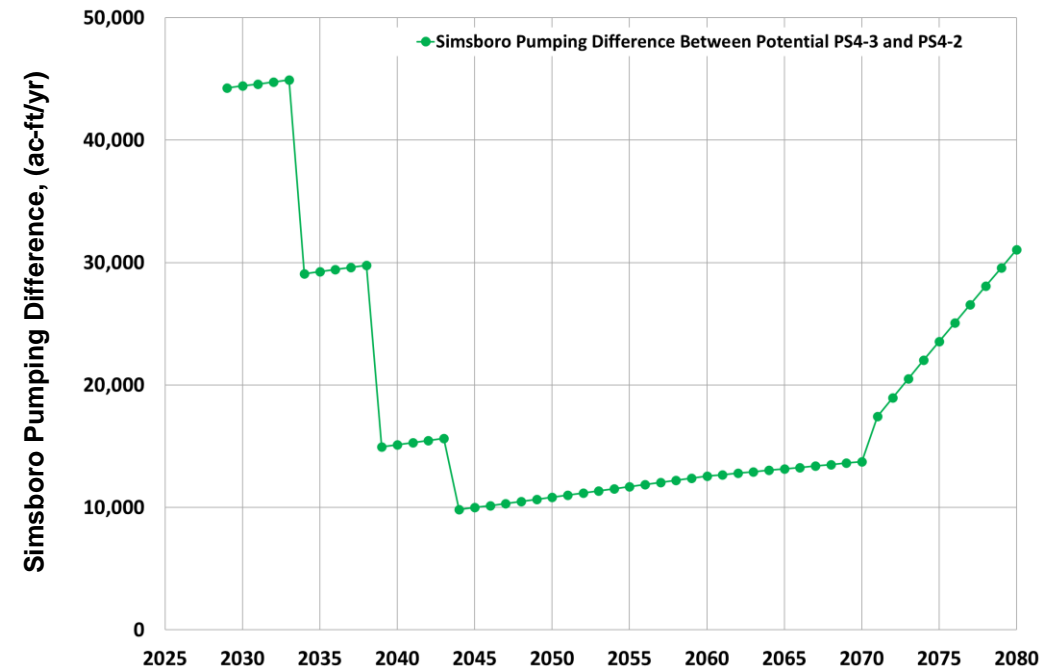
Brazos Valley Groundwater Conservation District

**BVGCD
Revised
Model
Scenarios**

August 14, 2025

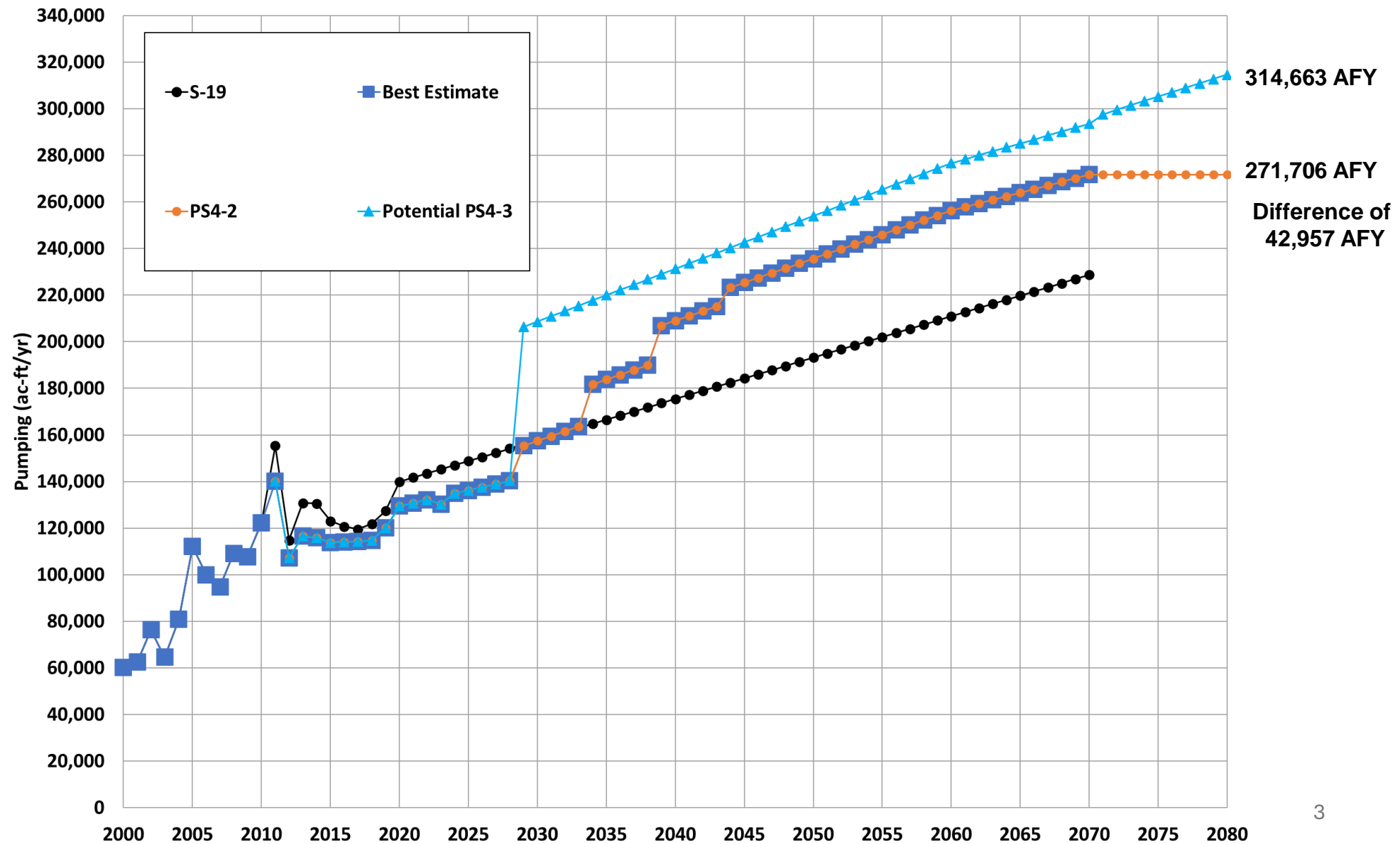
New Scenario Assumptions

- PS4-2 is the Base Run
- Potential PS4-3 development process
 - S19 and PS4-2 did not account for additional potential permitting (chip plants, modular reactors, data centers, mining, etc.)
 - Additional pumping included in all aquifers



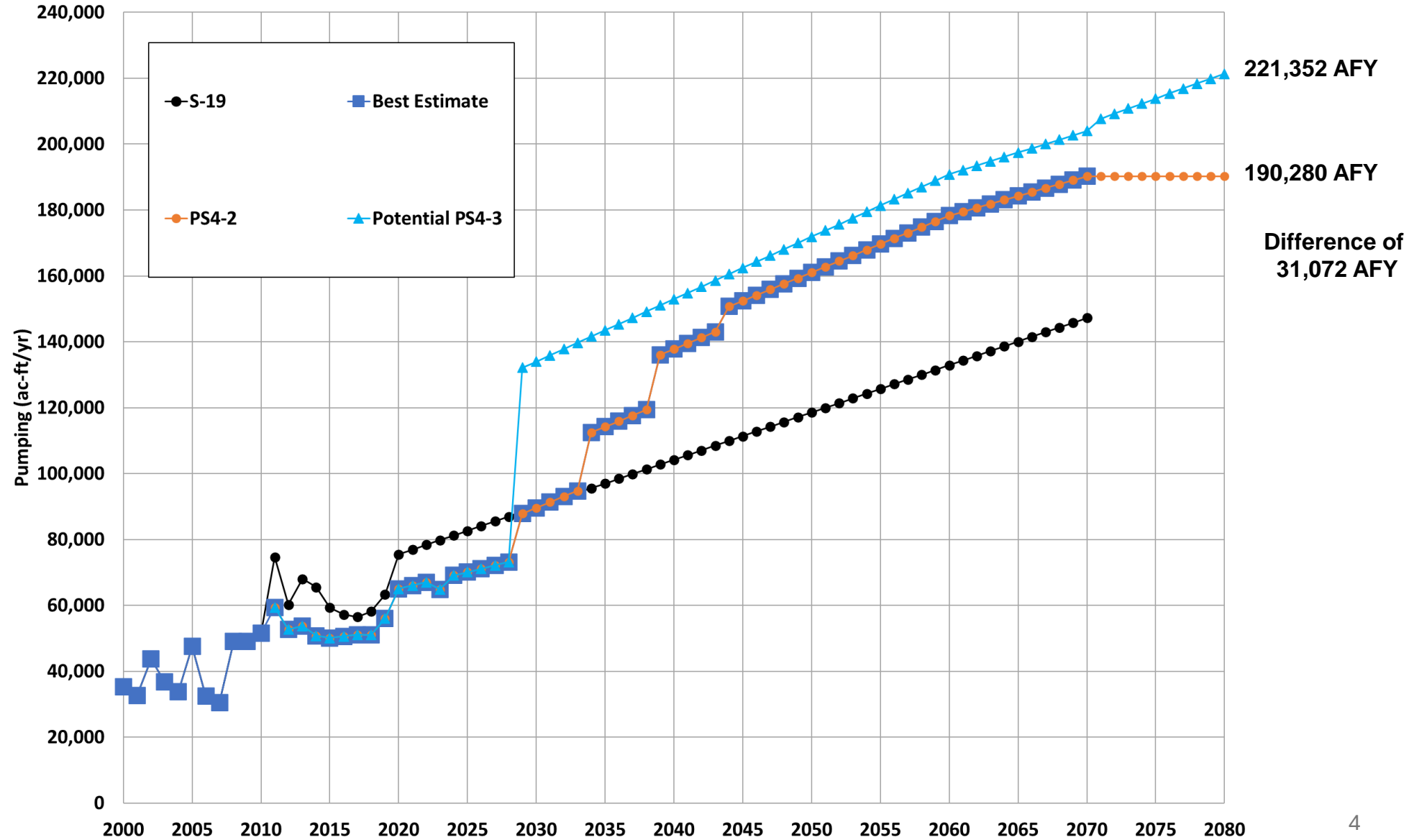
Comparison of Total Pumping Scenarios

BVGCD Total Pumpage



Comparison of Simsboro Pumping Scenarios

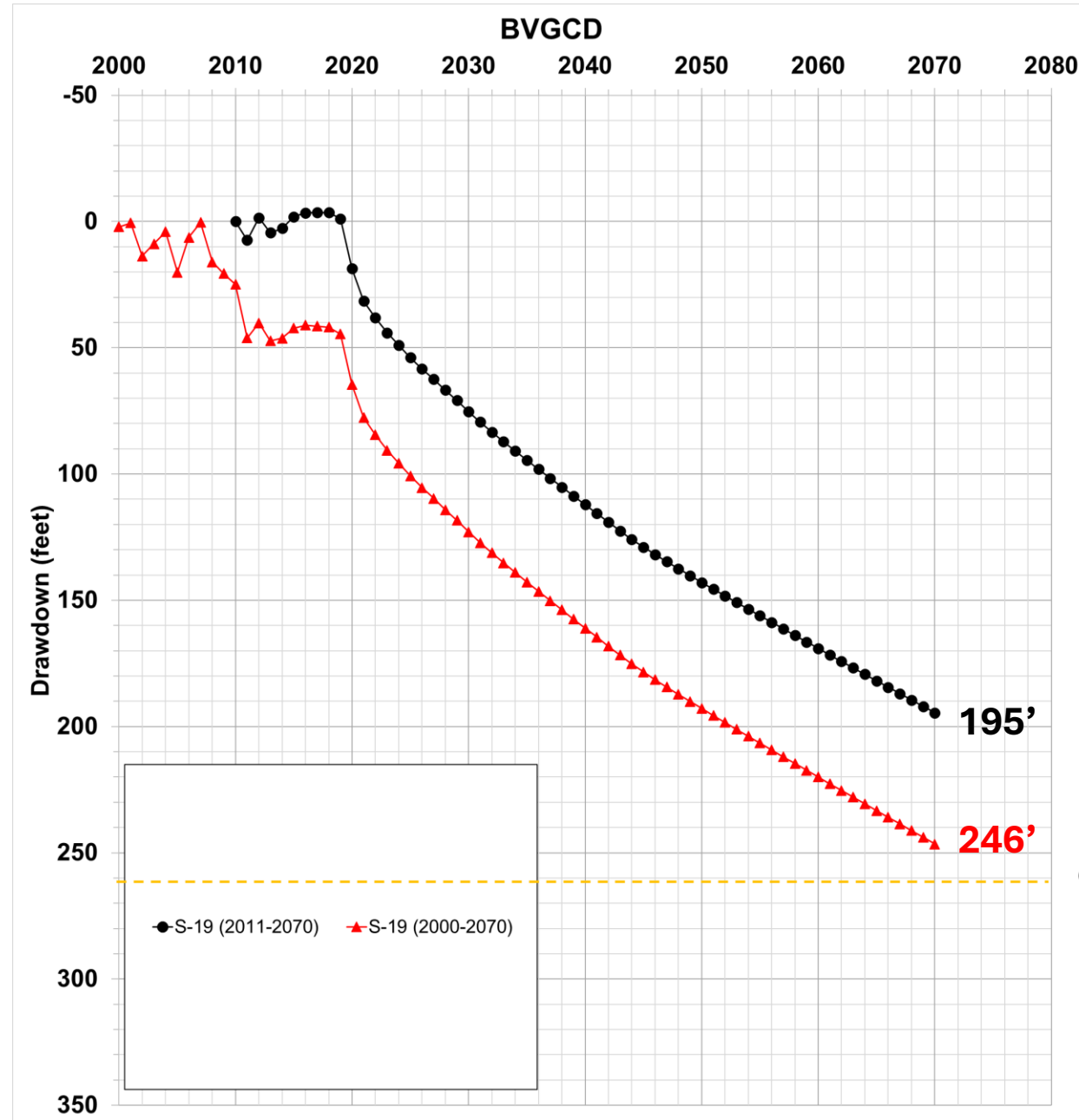
BVGCD Simsboro Pumpage



Simsboro DFC Drawdown

S-19 (2000-2070)

S-19 (2011-2070)



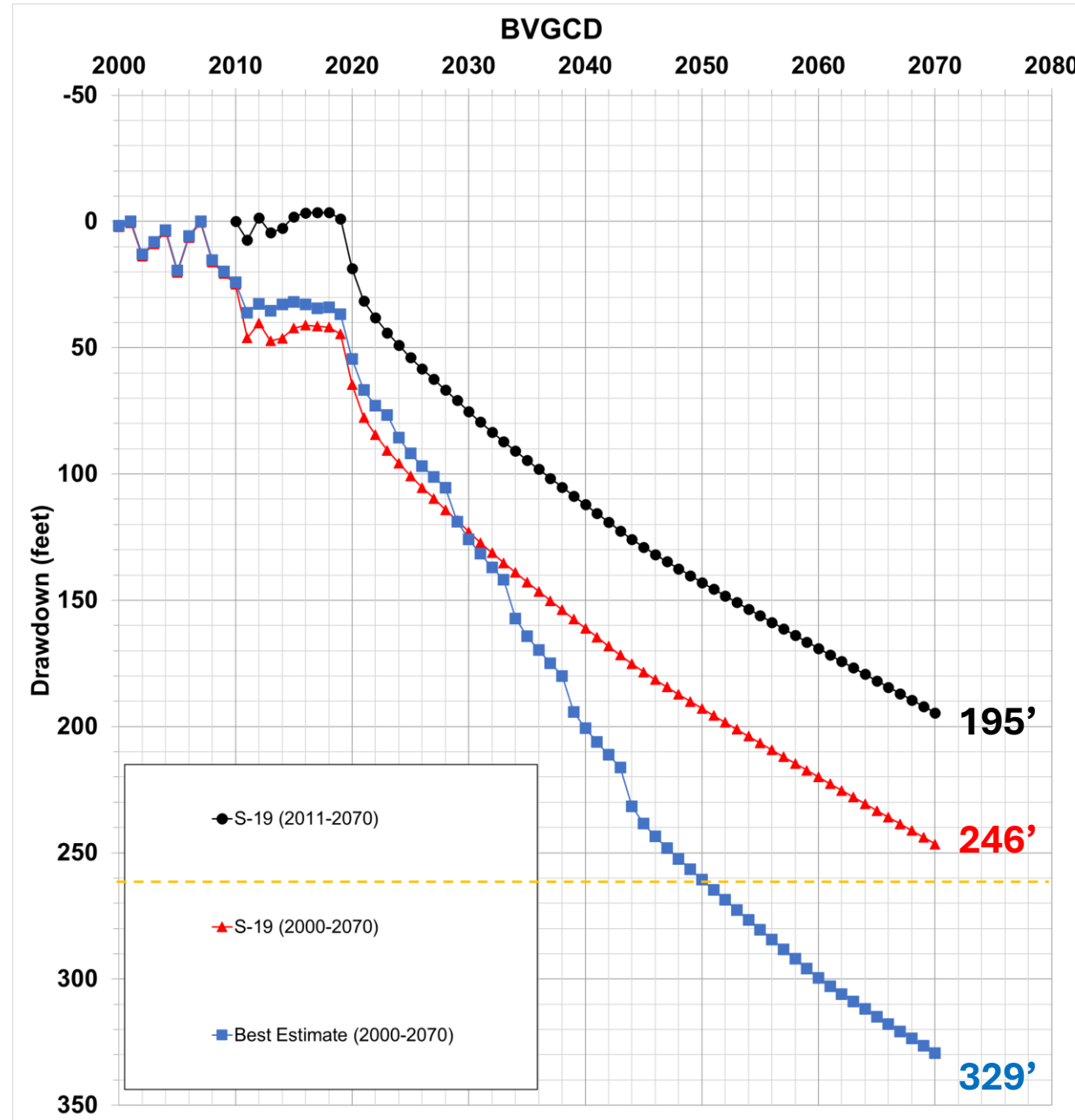
Current Simsboro DFC: 262'

Simsboro DFC Drawdown

S-19 (2000-2070)

S-19 (2011-2070)

Best Estimate (2000-2070)



Current Simsboro DFC: 262'

Simsboro DFC Drawdown

S-19 (2000-2070)

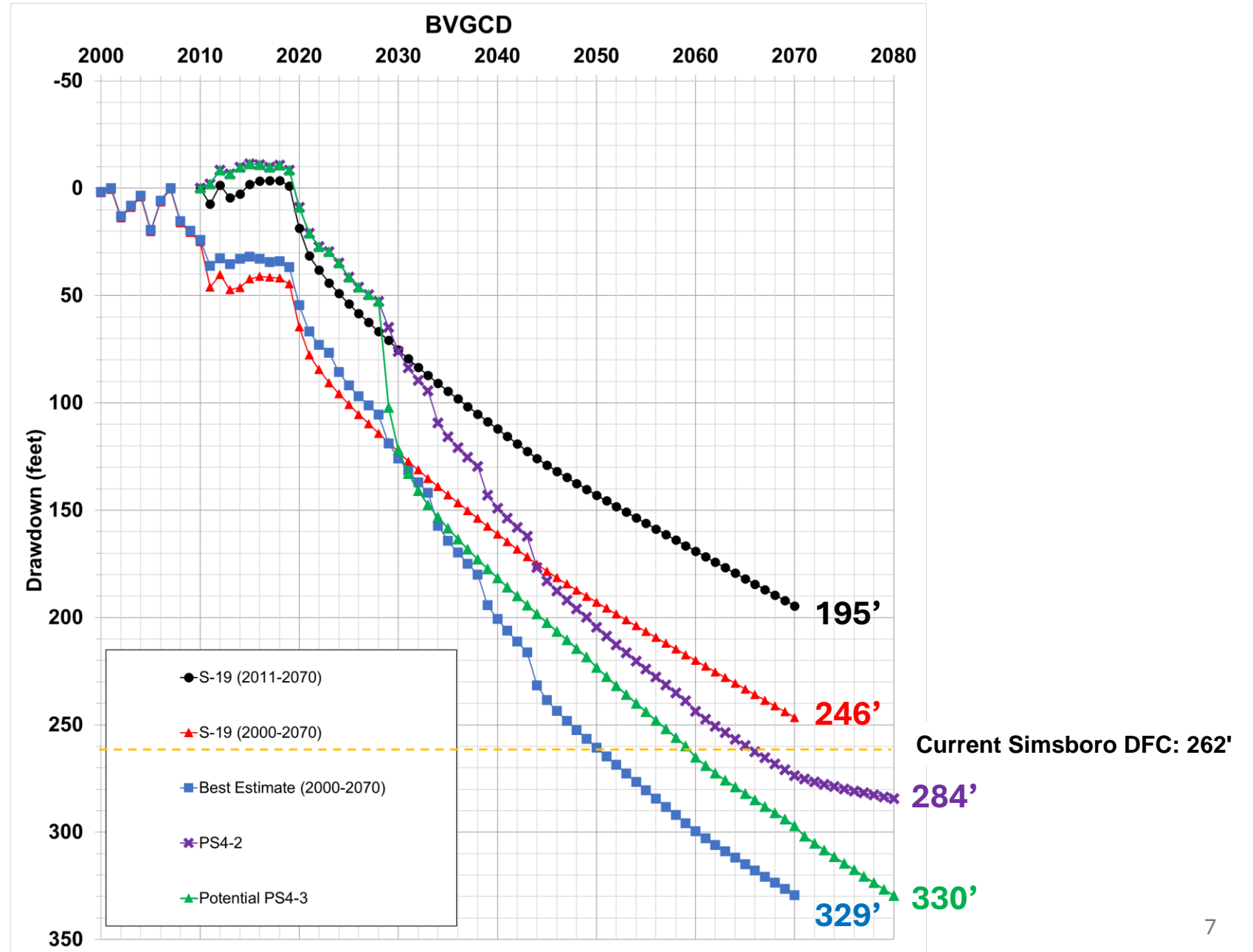
S-19 (2011-2070)

Best Estimate (2000-2070)

PS4-2 (2010-2080)

Potential

PS4-3 (2010-2080)



2080 Drawdown Comparison

PS4-2

PS4-2	Sparta	Queen City	Carrizo	Calvert Bluff	Simsboro	Hooper
Lost Pines GCD	23	28	129	135	254	147
Post Oak Savannah GCD	47	30	170	192	369	236
Brazos Valley GCD	59	48	85	121	284	193
Mid-East Texas GCD	32	25	51	66	92	84
Fayette County GCD	44	74	139	153	239	135

Potential PS4-3

PS4-3	Sparta	Queen City	Carrizo	Calvert Bluff	Simsboro	Hooper
Lost Pines GCD	23	28	132	141	268	154
Post Oak Savannah GCD	48	32	179	206	405	255
Brazos Valley GCD	67	55	95	135	330	215
Mid-East Texas GCD	33	26	54	71	101	90
Fayette County GCD	45	74	141	158	254	140

Difference

Difference	Sparta	Queen City	Carrizo	Calvert Bluff	Simsboro	Hooper
Lost Pines GCD	0	0	3	5	14	7
Post Oak Savannah GCD	2	2	9	14	36	19
Brazos Valley GCD	8	7	10	14	45	23
Mid-East Texas GCD	1	1	3	5	9	6
Fayette County GCD	0	1	2	5	14	5