

BVGCD Groundwater Budget: Carrizo-Wilcox (GAM Layers: 7, 8, 9 & 10)

LPGCD (10/10/2025 GMA 12 Presentation)

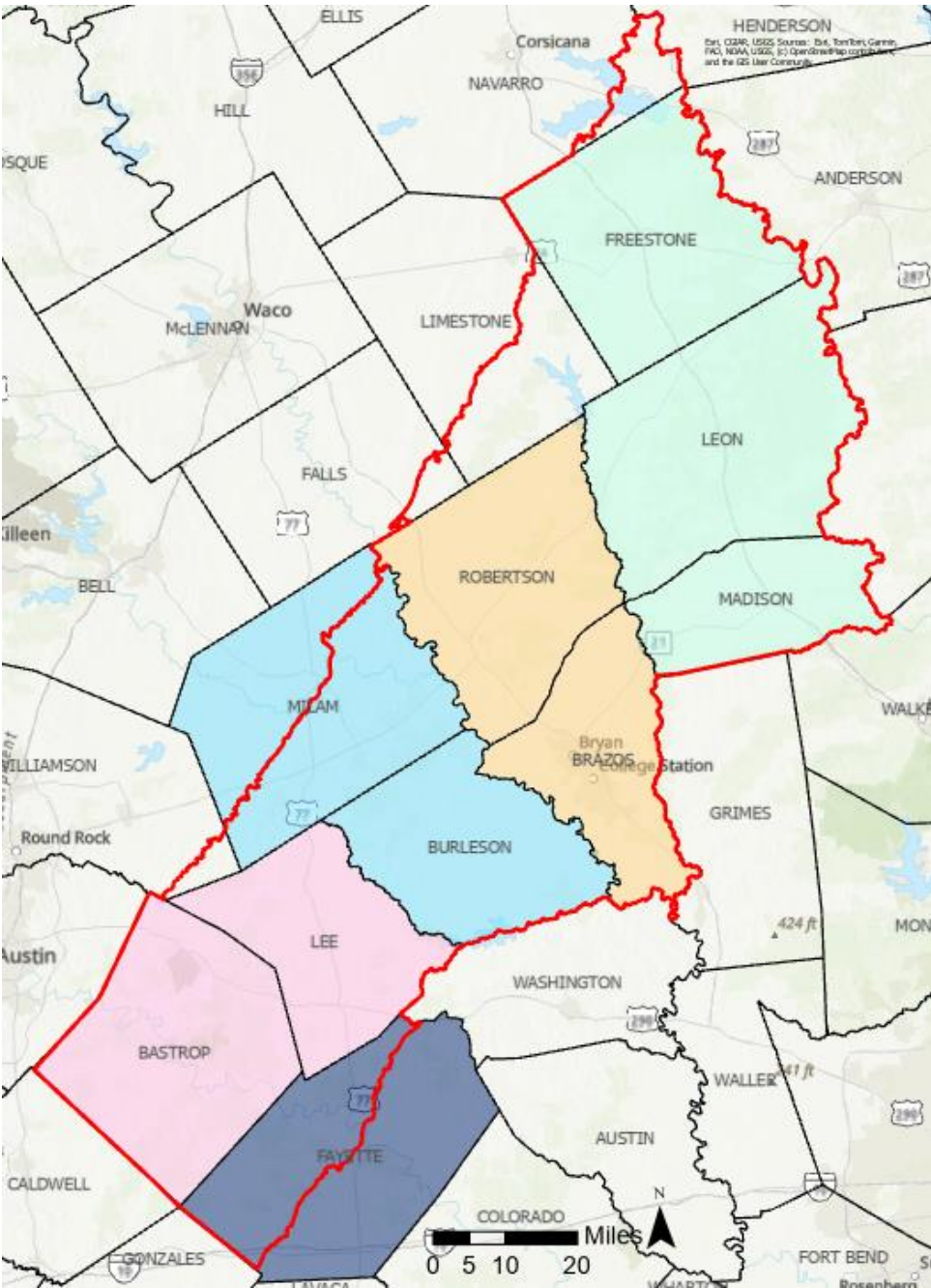
BVGCD simulated inflows:

	S-19 (2011 to 2070)	S-19 Plus BV (2011 to 2070)	Difference
From METGCD:	1,516 afy	10,935 afy	9,418 afy
From POSGCD:	36,117 afy	122,892 afy	86,775 afy

BVGCD (11/2025)

BVGCD simulated inflows:

	S-19 (2011 to 2070)	Potential PS4-3 (2011 to 2070)	Difference
From METGCD:	938 afy	3,010 afy	2,072 afy
From POSGCD:	36,529 afy	48,710 afy	12,181 afy



BVGCD has significant impact on flows from POSGCD

BVGCD Groundwater Budget Layered, Carrizo-Wilcox	S-19 (2011 to 2070) (AF/yr)	S-19 Plus BV (2011 to 2070) (AF/yr)	Difference (AF/yr)	Source of Increased Pumping (% of Pumping)
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Inflows

From Alluvium (Layer 1)	56	277	221	0.11
From Shallow Flow System (Layer 2)	43,639	78,882	35,243	17.56
From Reklaw (Layer 6)	3,184	11,377	8,192	4.08
From METGCD	1,516	10,935	9,418	4.69
From POSGCD	36,117	122,892	86,775	43.23
From Falls County	1,360	1,758	399	0.20
From Grimes County	7,545	17,208	9,663	4.81
From Limestone County	5,623	7,327	1,704	0.85
From Washington County	244	1,051	807	0.40
Total Inflow	99,284	251,707	152,423	75.93

Outflows

Pumping	109,062	309,800	200,738	100.00
Total Outflow	109,062	309,800	200,738	100.00

Storage

Inflow minus Outflow	-9,778	-58,093	-48,315	24.07
Model Storage Change	-9,778	-58,093		

Water Balance Error

0

0

BVGCD Groundwater
 Budget Layered
 Carrizo-Wilcox

		S-19 (2011 to 2070, AFY)	Potential PS4-3 (2011 to 2070, AFY)	Difference (AFY)	Source of Increased Pumping (% of Pumping)
Inflows	From Alluvium	51	64	13	0.04
	From Shallow Flow System	43,650	49,147	5,497	18.30
	From Reklaw	3,179	3,955	776	2.58
	From METGCD	938	3,010	2,072	6.90
	From POSGCD	36,529	48,710	12,181	40.55
	From Falls County	974	1,019	45	0.15
	From Grimes County	7,340	9,771	2,432	8.09
	From Limestone County	5,589	5,876	287	0.95
	From Washington County	213	432	219	0.73
	Total Inflow	98,463	121,984	23,521	78.30
Outflows	Pumping	108,252	138,293	30,040	100.00
	Total Outflow	108,252	138,293	30,040	100.00
Storage	Inflow minus Outflow	-9,790	-16,309	-6,519	21.70
	Model Storage Change	-9,790	-16,309	-6,519	21.70