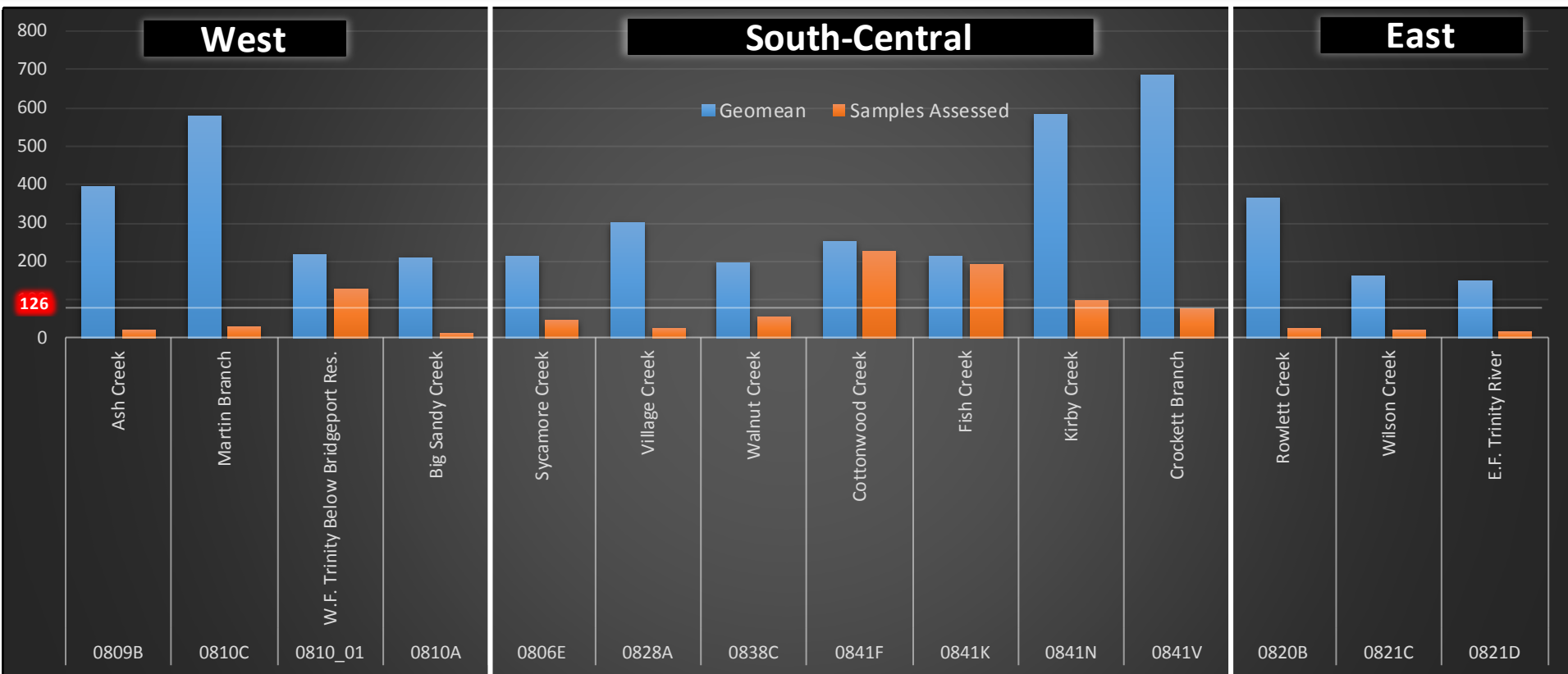

BACTERIA DATA AVAILABILITY IN IMPAIRED SUBWATERSHEDS OF THE UPPER TRINITY RIVER BASIN

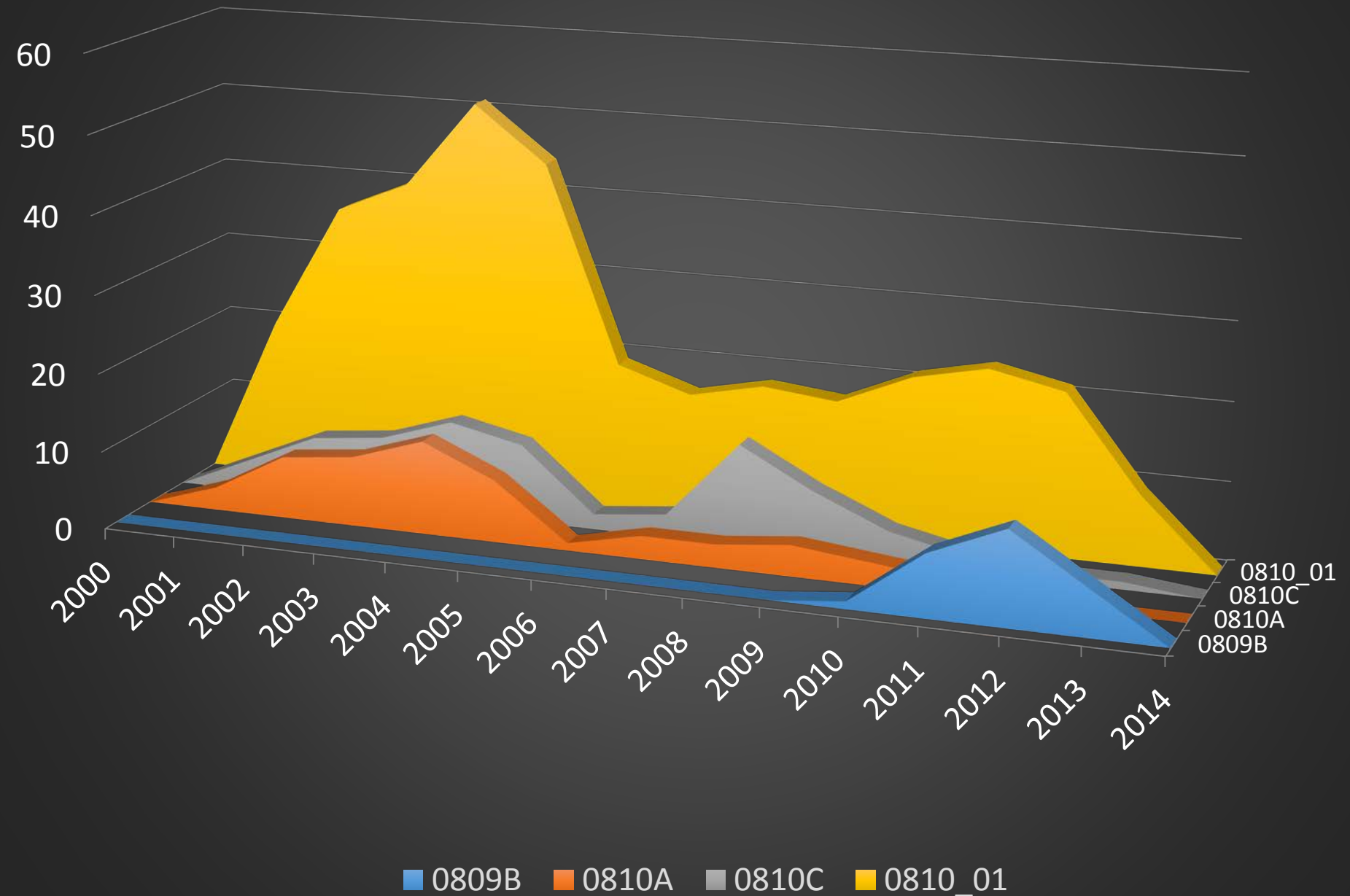
DAVID PENDERGRASS MAY 2016

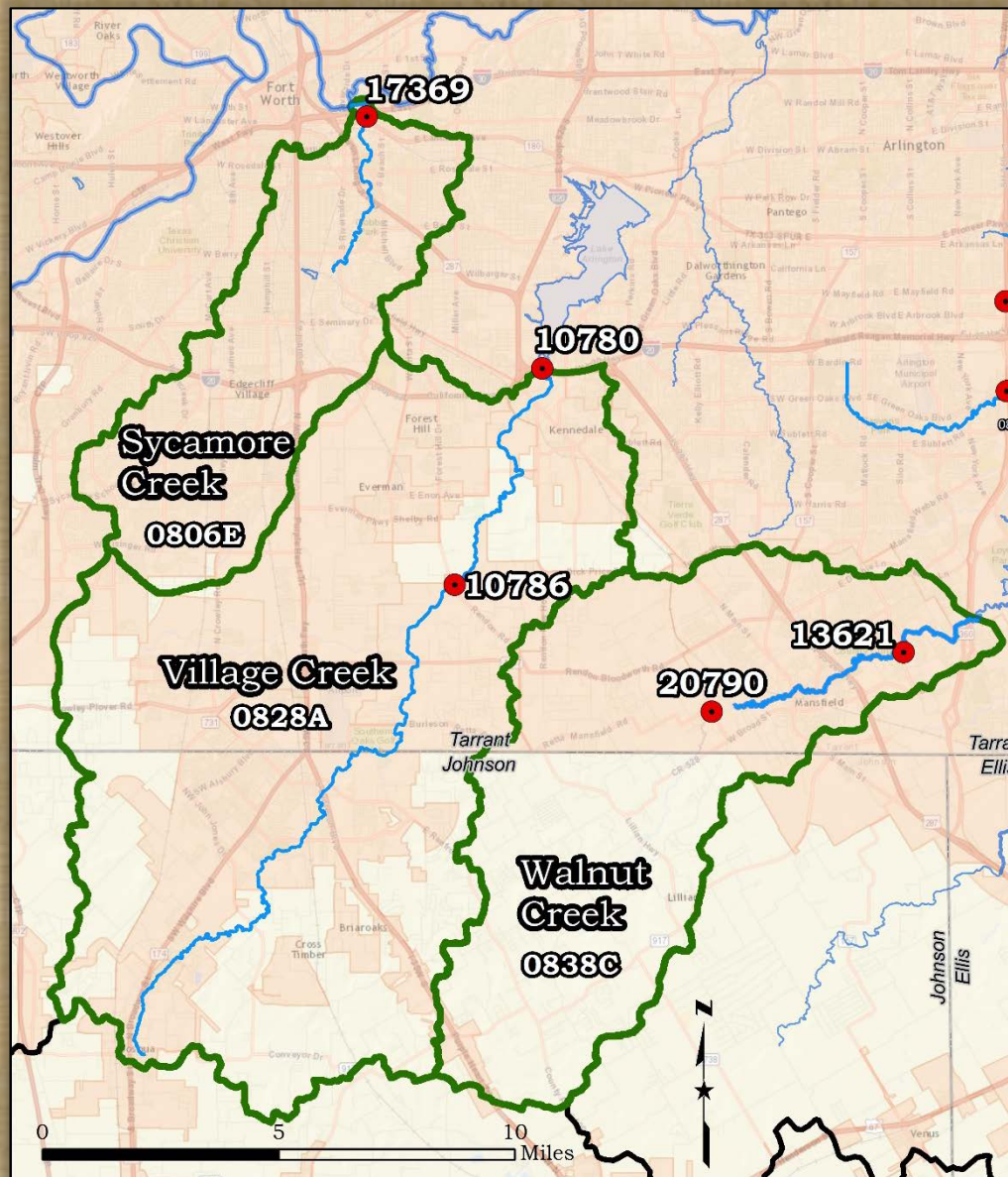
CURRENT STATUS



Number of *E. coli* Samples by Year

~ West Region ~

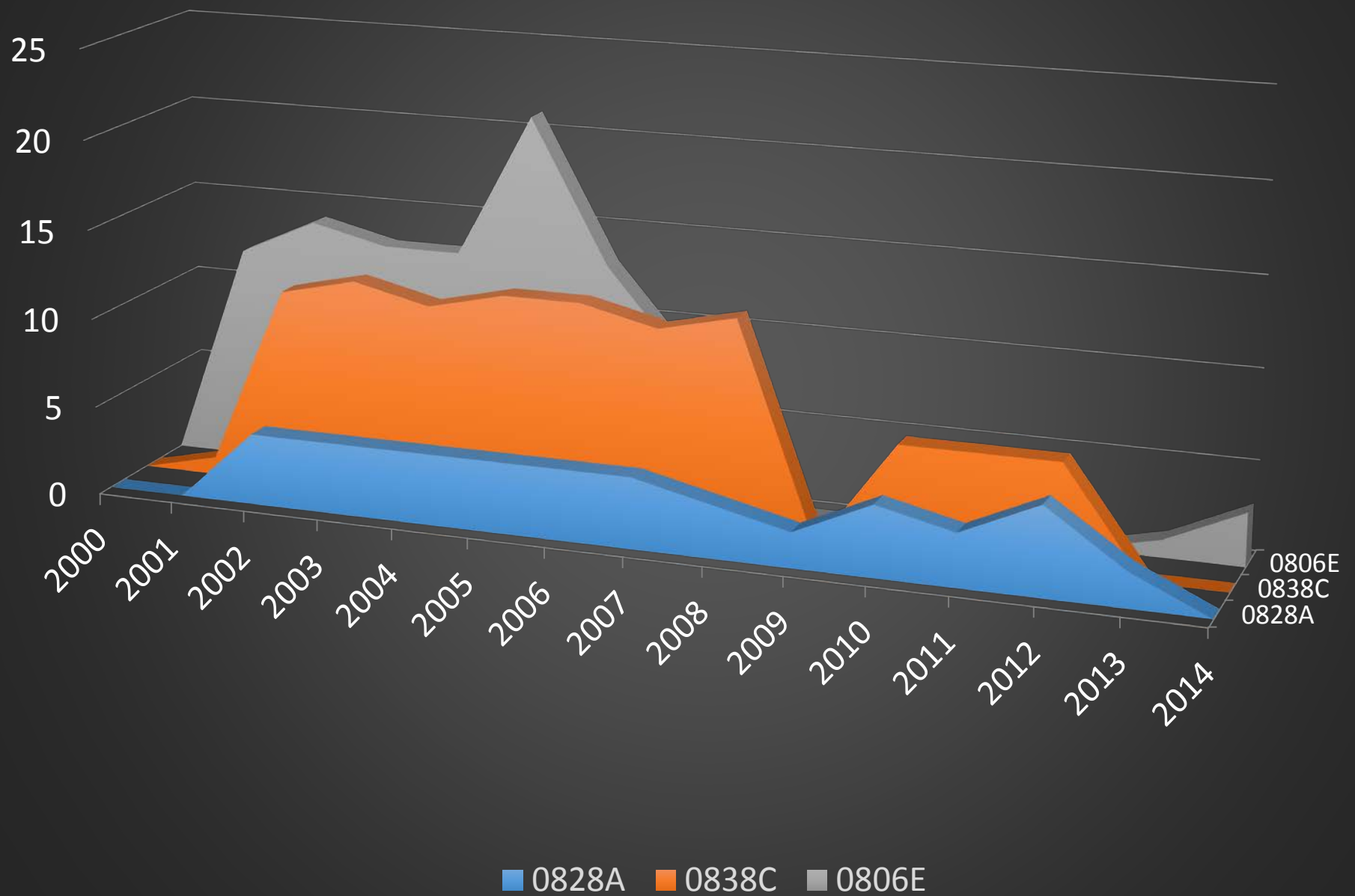




Review of Central Region Impaired Subwatersheds

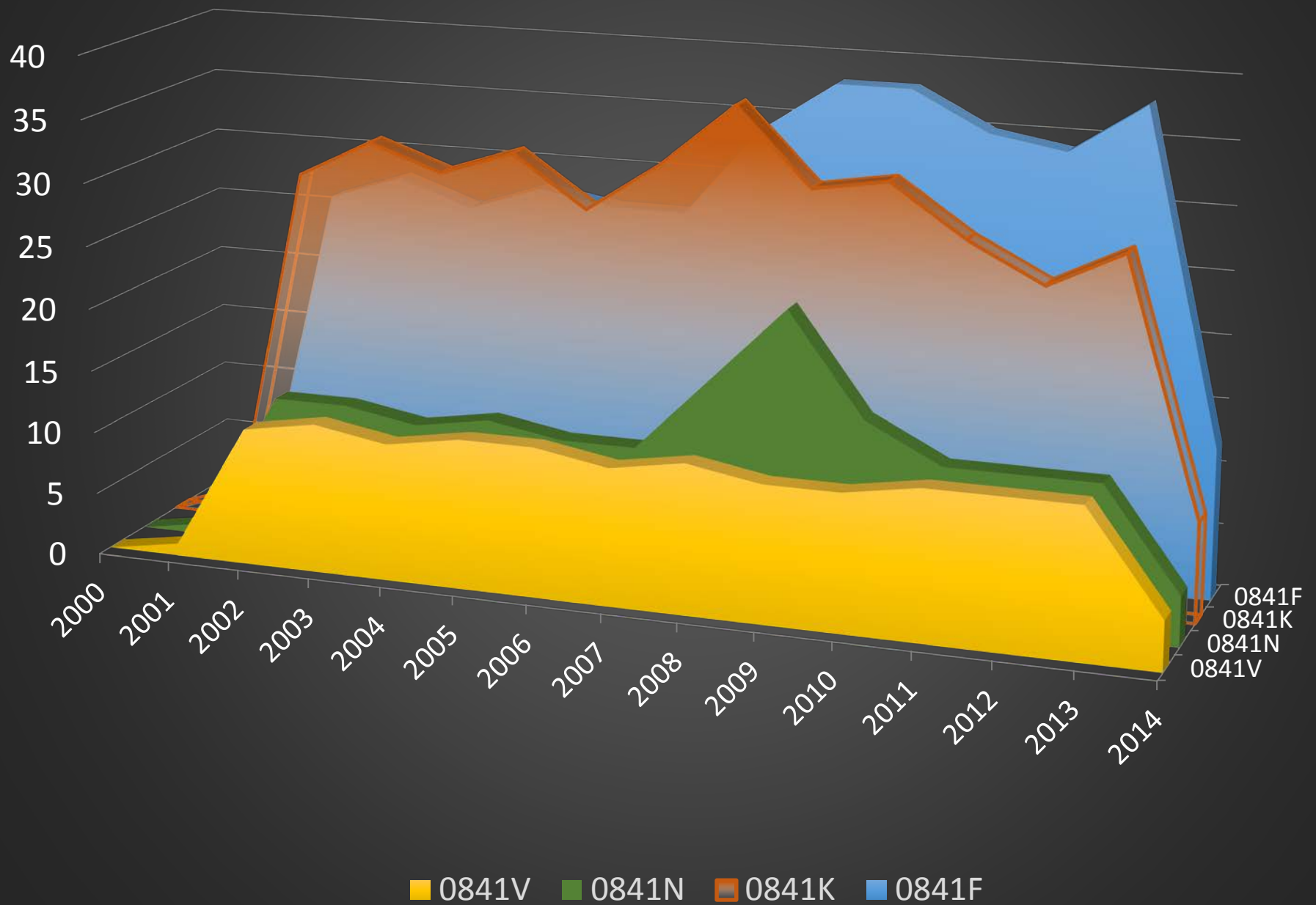
Number of *E. coli* Samples by Year

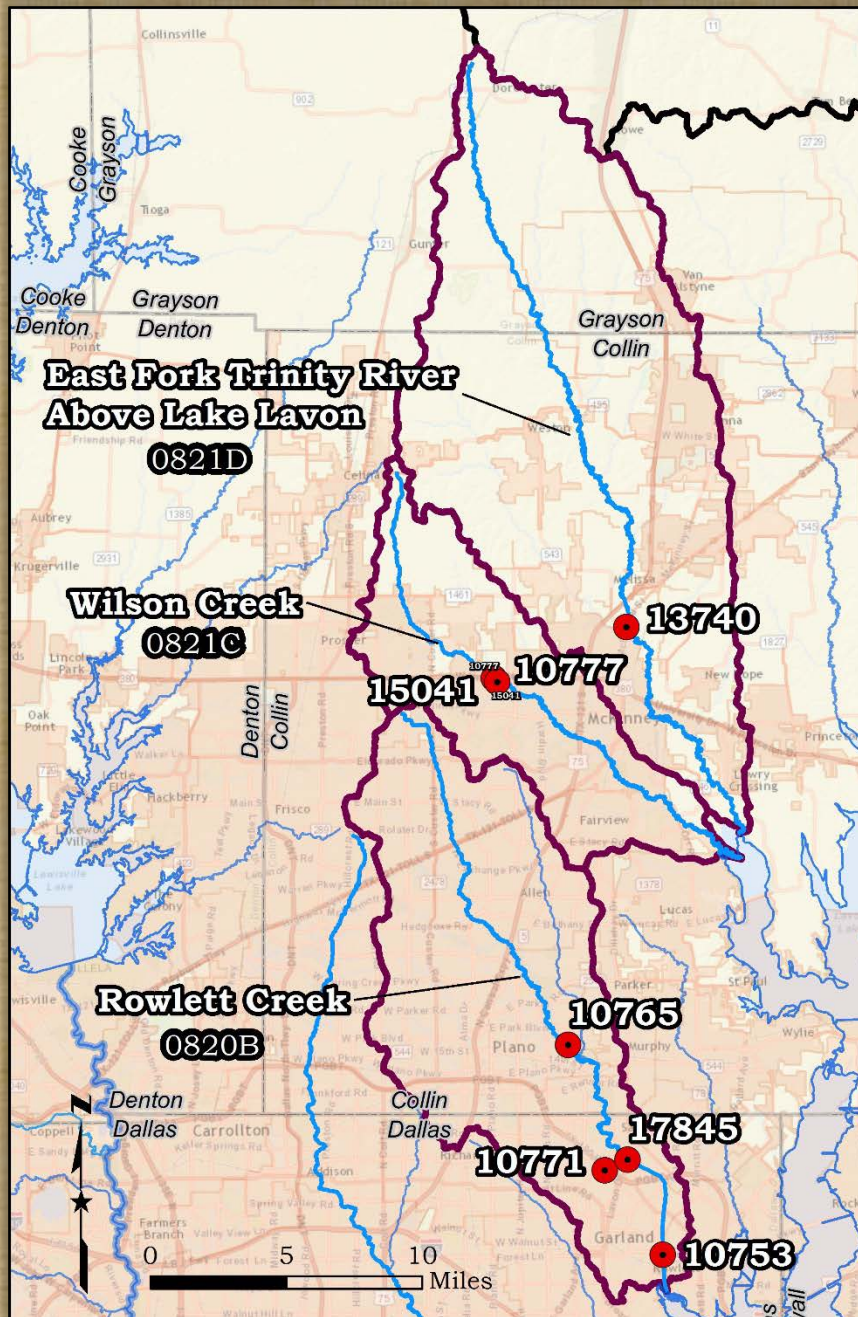
~ South-Central Region ~



Number of *E. coli* Samples by Year

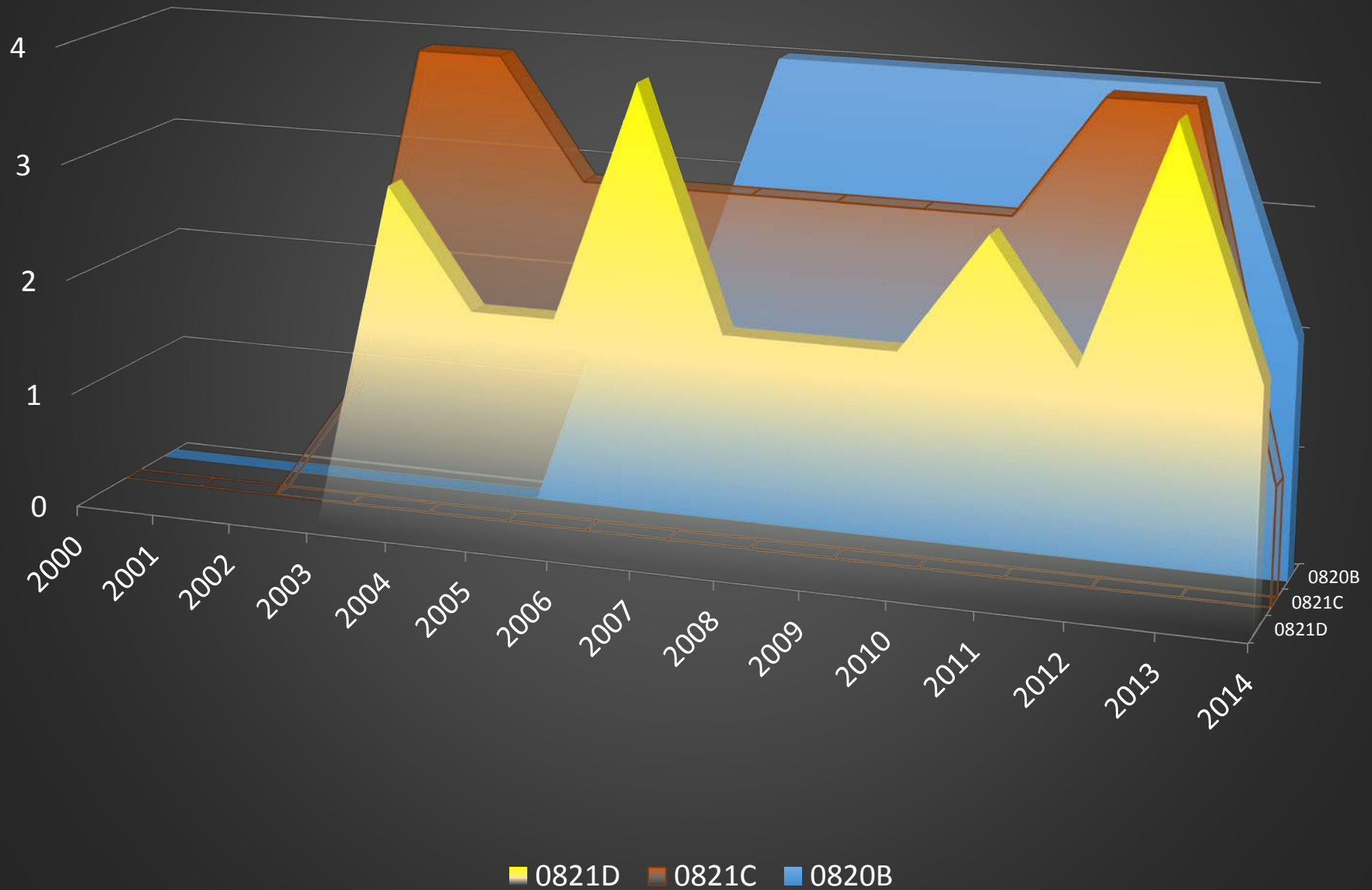
~ South-Central Region - 0841s ~





*Review of East
Region
Impaired
Subwatersheds*

Number of E. coli Samples by Year ~ East Region ~



FUTURE CONSIDERATIONS

Spatial and Temporal Considerations

- ❖ **Ensure sampling locations are downstream of known/suspected hotspots**
- ❖ **Target ambient conditions**
- ❖ **Explore impact of disturbed sediment stores on water-column concentrations**
High-rec vs. low-rec to establish baseline?

STATION DETAIL

AU	STATION	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	TOTAL
West Region																	
0809B_01	10854											1	8	12	6		27
0810_01	10967		4	8	9	11	10	4	3	4	4	4	2	2	1		66
	10969		8	12	13	16	14	8	7	6	5	8	13	15	7		132
	14246		4	8	9	12	10	3	3	4	4	4	2	2	1		66
	17844		4	8	9	12	10	4	3	4	4	5	6	2			71
0810A_01	15688		3	8	9	12	8	1	3	3	4	3	2				56
0810C_01	17848		4	8	9	12	10	2	3	13	8	4	2	1	1		77
South-Central Region																	
0806E_01	17369		12	14	13	13	21	13	8						1	3	98
0828A_01	10780			4	4	4	4	4	4	3	2	4	2				35
	10786												1	5	2		8
0838C_01	13621		1	11	12	11	12	12	11	12		3	3	4			92
	20790											3	3	2			8
0841F_01	10723			4	4	4	4	4	4	2	2	4	2		2		36
	17674		1	11	12	11	12	11	11	20	16	12	12	11	12	4	156
	17676		1	11	12	11	12	12	12	12	12	12	12	13	12	4	148
	20837										8	10	9	10	12	4	53
0841K_01	10725			4	4	4	4	2	4	3	2	4	2		2		35
	15294										10	12	12	12	12	4	62
	17677		1	12	12	11	12	11	12	12							83
	17679		1	9	12	11	12	12	12	12	10	12	12	13	12	4	144
	20342									8	7						15
0841N_01	17675		1	12	12	11	12	11	11	17	23	15	12	12	12	4	165
0841V_01	17683		1	11	12	11	12	12	11	12	11	11	12	12	12	4	144
East Region																	
0820B_01	10753							2	2	4	4	4	4	4	4	2	30
0821C_01	10777				1	4	4	3	3	3	3	3	3	4	4	1	36
0821D_01	13740					3	2	2	4	2	2	2	3	2	4	2	28