

Item 5 – Adoption of TWDB 2020 Estimated Agricultural Water Use

The District recently received the estimated agricultural water use for crop year 2020 from the Texas Water Development Board. The Board asks that we review the estimates and make suggested revisions to the numbers presented if deemed appropriate.

David Stratta and Mark Carrabba reviewed the estimates and suggested that the use of treated wastewater be added to the Brazos County estimate for use on golf courses. This includes only one course (Traditions) in Bryan. Pebble Creek CC golf course uses treated wastewater that has already be placed into Carters Creek and then picked by the golf course from the creek. Using Carters Creek as the point of diversion results in a surface water designation. This would already be included in the TWDB estimates.

It is the recommendation of the two agricultural representatives to the Board (Stratta & Carrabba) and the General Manager to approve the inclusion of treated wastewater used in Brazos County in the TWDB 2020 agricultural irrigation water use estimate.

Brazos Valley Groundwater Conservation District

Additional Comments:

ID	Region	County #	County Name	Crop #	Crop Name	DRAFT 2020 Acres	DRAFT 2020 Inch/Acre	DRAFT 2020 Acre-Ft	2015-2019 Average Acres	2015-2019 Average Acre-Ft
341	G	21	BRAZOS	1	COTTON	6,810	26	14,755	8,806	16,336
342	G	21	BRAZOS	2	SORGHUM	1,430	19	2,264	946	1,274
343	G	21	BRAZOS	3	CORN	2,080	29	5,027	3,034	6,126
344	G	21	BRAZOS	4	RICE	110	34	312		
345	G	21	BRAZOS	5	WHEAT	590	10	492	378	247
346	G	21	BRAZOS	6	OTHER_GRAIN					
347	G	21	BRAZOS	7	FORAGE_HAY_PASTURE	3,500	28	8,167	2,190	4,242
348	G	21	BRAZOS	8	PEANUTS					
349	G	21	BRAZOS	9	SOY_OIL	500	25	1,042	580	1,031
350	G	21	BRAZOS	10	VINEYARD	40	5	17	40	12
351	G	21	BRAZOS	11	ORCHARD					
352	G	21	BRAZOS	12	ALFALFA	170	17	241	230	275
353	G	21	BRAZOS	13	SUGARCANE					
354	G	21	BRAZOS	14	VEGETABLES	1,400	18	2,100	782	966
355	G	21	BRAZOS	15	OTHER	1,020	20	1,700	1,044	1,453
356	G	21	BRAZOS	16	GOLF_COURSES	360	17	779	360	432
357	G	21	BRAZOS	17	FAILED				2	

Total	18,010	37,165	18,392	32,394
Irrigation Efficiency	62%			
Groundwater		35,960		31,315
Surface Water		667		1,079
Waste Water Reuse		269		

3350	G	198	ROBERTSON	1	COTTON	10,070	25	20,979	11,218	21,282
3351	G	198	ROBERTSON	2	SORGHUM	2,200	23	4,217	1,710	2,891
3352	G	198	ROBERTSON	3	CORN	5,860	28	13,673	7,106	16,283
3353	G	198	ROBERTSON	4	RICE	350	60	1,750	236	1,080
3354	G	198	ROBERTSON	5	WHEAT	1,200	8	800	780	465
3355	G	198	ROBERTSON	6	OTHER_GRAIN					
3356	G	198	ROBERTSON	7	FORAGE_HAY_PASTURE	5,750	31	14,854	4,374	10,565
3357	G	198	ROBERTSON	8	PEANUTS					
3358	G	198	ROBERTSON	9	SOY_OIL	6,600	26	14,300	6,162	12,630
3359	G	198	ROBERTSON	10	VINEYARD					
3360	G	198	ROBERTSON	11	ORCHARD	200	32	533	200	490
3361	G	198	ROBERTSON	12	ALFALFA				170	386
3362	G	198	ROBERTSON	13	SUGARCANE					
3363	G	198	ROBERTSON	14	VEGETABLES	600	27	1,350	350	729
3364	G	198	ROBERTSON	15	OTHER	150	25	313	180	355
3365	G	198	ROBERTSON	16	GOLF_COURSES	120	18	180	120	162
3366	G	198	ROBERTSON	17	FAILED				66	44

Total	33,100	72,949	32,672	67,361
Irrigation Efficiency	62%			
Groundwater		71,953		66,370
Surface Water		996		991
Waste Water Reuse		-		