

Nueces BBEST River/Stream Environmental Flow Regime Recommendation Locations (Draft, 3/25/2011)

Reference Data Summary

Pilot Gage	River Basin	USGS Streamflow Gage Name	USGS#	First Full Year of Record	Drainage Area (sq mi)	Controlled Drainage Area (sq mi)	Uncontrolled Drainage Area (sq mi)	Approximate Percentage Uncontrolled	90% Exceedance Flow (cfs) ¹	50% Exceedance Flow (cfs) ¹	10% Exceedance Flow (cfs) ¹	WAM Primary Control Point	WAM Unappr. Water Availability (% time)	Potential Reservoir Site	Regional or State Water Plan Reference	TPWD Ecologically Significant Segment	TCEQ Stream Segment	TCEQ 2010 DRAFT 303(d) List*	TCEQ Aquatic Life Uses
✓	Nueces	Nueces River, Laguna	08190000	1924	737	0	737	100%	23	74	233	Yes	0 - 25	Yes	No	Yes	2112		High
	Nueces	West Nueces River, Brackettville	08190500	1940	694	0	694	100%	0	0	7.7	Yes	0 - 25	No	No	Yes			
✓	Nueces	Nueces River, Uvalde	08192000	1940	1861	0	1861	100%	3	25	186	Yes	0 - 25	Yes	Yes	No	2112		High
✓	Nueces	Nueces River, Cotulla	08194000	1927	5171	0	5171	100%	0	0	353	Yes	0 - 25	Yes	Yes	No	2105		High
	Nueces	Nueces River, Tilden	08194500	1943	8093	0	8093	100%	0	5	720	Yes	0 - 25	No	No	No	2104	IMC, IFC	High
	Nueces	Frio River, Concan	08195000	1924	389	0	389	100%	18	67	195	Yes	0 - 25	Yes	No	Yes	2113	IMC, IFC	Exceptional
	Nueces	Dry Frio River, Reagan Wells	08196000	1953	126	0	126	100%	2.2	14	64	Yes	0 - 25	No	No	No			
✓	Nueces	Sabinal River, Sabinal	08198000	1943	206	0	206	100%	0	25	120	Yes	0 - 25	Yes	No	Yes	2111		High
	Nueces	Sabinal River, Sabinal (below Edwards outcrop)	08198500	1953	241	0	241	100%	0.1	1.5	45	Yes	0 - 25	Yes	No	Yes	2110		High
	Nueces	Hondo Creek, Tarpley	08200000	1953	95.6	0	96	100%	0.1	12	81	Yes	0 - 25	No	No	No	2114		High
	Nueces	Seco Creek, Utopia	08201500	1962	45.0	0	45	100%	0.8	5.3	40	Yes	0 - 25	No	No	No	2115		High
	Nueces	Leona Springs/River, Uvalde**	08204000	1939	Spring+							Yes	0 - 25	No	Yes	No	2109	B	High
✓	Nueces	Frio River, Derby	08205500	1916	3,429	0	3429	100%	0	5.4	150	Yes	0 - 25	No	Yes	No	2117	B	High
✓	Nueces	San Miguel Creek, Tilden	08206700	1965	783	0	783	100%	0	2.1	38	No	0 - 25	No	No	Yes	2108	B	High
	Nueces	Frio River, Calliham (Tilden) (Choke Canyon Reservoir)***	08207000	1933	5,491	5490	1	0%	0	19	384	Yes	0 - 25	Existing	Yes	No	2116	DO	High
	Nueces	Atascosa River, Whitsett	08208000	1933	1,171	0	1171	100%	1.0	11	95	Yes	0 - 25	Yes	No	No	2107	B, DO, IMC	High
	Nueces	Nueces River, Three Rivers	08210000	1916	15,427	5490	9937	64%	11	132	947	Yes	0 - 25	No	Yes	No	2106	TDS	High
✓	Nueces	Nueces River, Mathis (Lake Corpus Christi)***	08211000	1940	16,503	16503	0	0%	52	129	1290	Yes	0 - 25	Existing	Yes	Yes	2102		High
	Nueces - Rio Grande	Oso Creek, Corpus Christi	08211520	1973	90.3	0	90	100%	1.2	2.4	21	No	0 - 25	No	No	No			
	Nueces - Rio Grande	San Fernando Creek, Alice	08211900	1965	507	0	507	100%	0.90	1.9	7.5	?	0 - 25	No	No	No			

* IMC = Impaired macrobenthic community; IFC = Impaired fish community; B = Bacteria; DO = Dissolved Oxygen; TDS = Total Dissolved Solids

** Records are highly correlated with and have been extended using Edwards Aquifer levels reported for the Uvalde County Monitoring Well (J-27).

*** Opportunity exists to develop composite streamflow records using multiple gages before and after reservoir impoundment/enlargement.

¹ Statistics for period of record through 1996 from USGS Water Resources Data for Texas, Water Year 1996. Exceptions include Frio (Calliham), San Fernando (Alice), & Los Olmos (Falfurrias).