

GUADALUPE - SAN ANTONIO RIVER BASINS STREAMFLOW DATA

TABLE DESCRIPTION

Streamflow:

Mean Streamflow - the monthly mean streamflow measured in cfs for each gauging station

Low Optimum Streamflow - an estimated 75% of the mean value calculated for each month at each station

Gauging Stations:

GR = Guadalupe River Basin

SA = San Antonio River Basin

Station No.	Geographic Location	USGS Code Number
GR 1	Hunt, Texas	81655
GR 2	Johnson Creek	8166000
GR 3	Comfort, Texas	8167000
GR 4	Spring Branch, Texas	8167500
GR 5	Sattler, Texas	8167800
GR 6	above Comal River at New Braunfels, Texas	8168500
GR 7	Comal River	8169000
GR 8	San Marcos springs	8170000
GR 9	Blanco at Wimberly, Texas	8171000
GR 10	Blanco - Kyle, Texas	8171300
GR 11	San Marcos River at Luling, Texas	8172000
GR 12	Plum Creek at Lockhart, Texas	8172400
GR 13	Plum Creek at Luling, Texas	8173000
GR 14	Peach Creek - Dilworth, Texas	8174600
GR 15	Sandies Creek - Westhoff, Texas	8175000
GR 16	at Cuero, Texas	8175800
GR 17	at Victoria, Texas	8176500
GR 18	Coletto Creek - Schroeder, Texas	8177000

Station No.	Geographic Location	USGS Code Number
SA 1	up Olmos Creek	8177700
SA 2	at San Antonio	8178000
SA 3	Salado Creek	8178800
SA 4	Pipe Creek, Texas - Medina River	8179000
SA 5	Medina River at Medina	8180500
SA 6	Medina River near Somerset, Texas	8180800
SA 7	Helotes Creek at Helotes, Texas	8181400
SA 8	Medina River at San Antonio, Texas	8181500
SA 9	San Antonio River at Elmendorf, Texas	8181800
SA 10	San Antonio River at Falls City, Texas	8183500
SA 11	Cibolo Creek near Boerne, Texas	8183900
SA 12	Cibolo Creek near Falls City, Texas	8186000
SA 13	Ecleto Creek near Runge, Texas	8186500
SA 14	Esc. Cr. at Kennedy, Texas	8187500
SA 15	San Antonio River at Goliad, Texas	8188500

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Station	Years	Streamflow (CFS)	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
GR-1	1965-74	MEAN	94.4	54.2	50.4	55.5	42.2	45.0	48.8	67.2	39.2	37.7	137.0	62.7
		Low Optimum	70.8	40.6	37.8	41.6	31.6	33.8	36.6	50.4	29.4	28.3	102.7	47.0
GR-2	1942-74	MEAN	18.3	14.4	12.8	17.1	14.8	13.4	14.5	16.6	17.4	8.9	9.6	16.5
		Low Optimum	13.7	10.8	9.6	12.8	11.1	10.1	10.9	12.5	13.1	6.7	7.2	12.4
GR-3	1940-74	MEAN	244.9	121.0	113.8	140.0	162.8	152.2	214.7	264.0	146.3	81.3	143.3	124.7
		Low Optimum	183.7	90.8	85.4	105.0	122.1	114.1	161.0	198.0	106.0	61.0	107.5	93.5
GR-4	1951-74	MEAN	417.5	218.9	181.9	288.2	280.7	226.8	277.1	422.1	236.2	179.7	244.3	304.7
		Low Optimum	313.1	164.1	136.4	216.1	210.5	170.1	208.4	316.6	177.2	134.7	183.2	228.5
GR-5	1963-74	MEAN	331.0	340.0	230.9	231.9	259.9	283.9	288.2	361.6	336.4	353.2	283.5	284.9
		Low Optimum	248.2	255.3	173.2	173.9	194.9	212.9	216.2	271.2	252.3	264.9	212.6	217.0
GR-6	1963-74	MEAN	407.3	418.5	317.4	319.7	354.9	362.0	359.7	509.8	425.0	415.1	342.2	353.0
		Low Optimum	305.5	313.8	238.2	239.8	266.2	271.5	269.8	382.3	319.7	311.3	256.7	264.7
GR-7	1949-74	MEAN	248.5	251.5	260.8	270.3	269.6	263.6	268.6	298.5	241.2	228.7	208.6	249.7
		Low Optimum	186.4	188.6	195.6	202.7	202.2	197.7	201.5	223.8	180.9	171.5	156.4	187.3
GR-8	1958-74	MEAN	154.8	153.1	163.8	159.6	167.4	168.6	168.3	180.5	177.1	163.1	151.0	146.7
		Low Optimum	116.1	114.8	122.8	119.7	125.6	126.5	126.2	136.4	132.8	122.3	113.2	110.0
GR-9	1945-74	MEAN	135.9	105.5	110.5	132.1	154.5	131.4	153.9	179.6	136.6	77.5	41.8	120.6
		Low Optimum	101.9	79.1	82.9	99.1	115.8	98.6	115.4	134.7	102.4	58.1	31.3	90.5

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Station	Years	Streamflow (CFS)	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
GR-10	1957-74	MEAN	178.1	113.1	114.6	168.0	199.2	152.3	168.8	257.4	188.9	93.9	53.6	57.3
		low optimum	134.0	84.9	85.9	126.0	149.4	114.2	126.6	193.1	141.7	70.0	40.2	43.0
GR-11	1939-74	MEAN	334.8	278.6	293.3	231.6	390.6	340.8	446.7	492.8	419.1	245.8	175.7	305.0
		low optimum	251.1	208.9	220.0	248.7	292.9	255.6	334.5	369.6	314.3	184.4	131.8	228.8
GR-12	1959-74	MEAN	81.1	23.2	33.3	51.5	53.9	24.8	45.7	72.9	55.0	6.2	9.8	22.5
		low optimum	60.8	17.4	25.0	38.7	40.5	18.6	34.3	54.7	41.2	4.6	7.3	16.9
GR-13	1930-74	MEAN	98.1	60.5	70.9	106.2	109.7	78.3	162.5	129.9	136.3	80.5	30.5	66.5
		low optimum	73.6	45.4	53.2	79.7	82.2	58.7	121.9	97.4	102.2	60.4	22.8	49.9
GR-14	1959-74	MEAN	199.5	172.6	81.1	158.4	135.7	95.0	129.1	235.9	337.5	31.1	6.8	163.7
		low optimum	149.6	133.2	60.9	118.8	101.8	71.3	96.8	176.9	253.1	23.3	5.1	122.7
GR-15	1960-74	MEAN	177.0	52.4	27.3	149.6	126.8	69.3	106.4	199.0	238.5	31.7	30.9	251.9
		low optimum	132.8	39.3	20.5	112.2	95.1	51.9	79.8	149.2	178.9	23.8	23.2	189.0
GR-16	1964-74	MEAN	176.7	125.6	1208.6	1780.1	1861.9	1540.9	1749.6	3132.6	2455.4	1114.5	936.3	2126.5
		low optimum	1325.5	942.2	906.4	1335.1	1396.4	1155.7	1312.5	2349.4	1841.5	835.8	702.2	1594.7
GR-17	1956-74	MEAN	2337.7	2412.7	1311.9	1745.0	2125.6	1553.8	1826.2	2751.4	2534.4	1193.6	868.7	1868.9
		low optimum	1753.3	1607.0	983.9	1308.7	1594.2	1165.3	1369.7	2063.5	1900.8	895.2	651.5	1401.
GR-18	1960-74	MEAN	206.5	40.9	27.9	49.8	63.0	29.2	102.6	175.7	250.9	22.9	29.2	121.4
		low optimum	154.9	30.7	20.7	37.3	47.2	21.9	76.9	131.8	188.2	17.2	21.9	91.1

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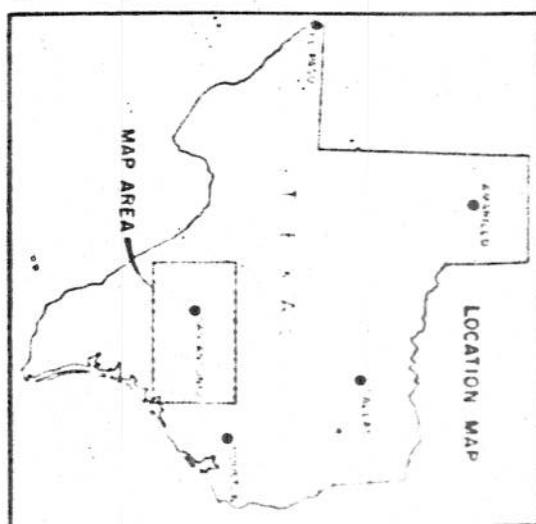
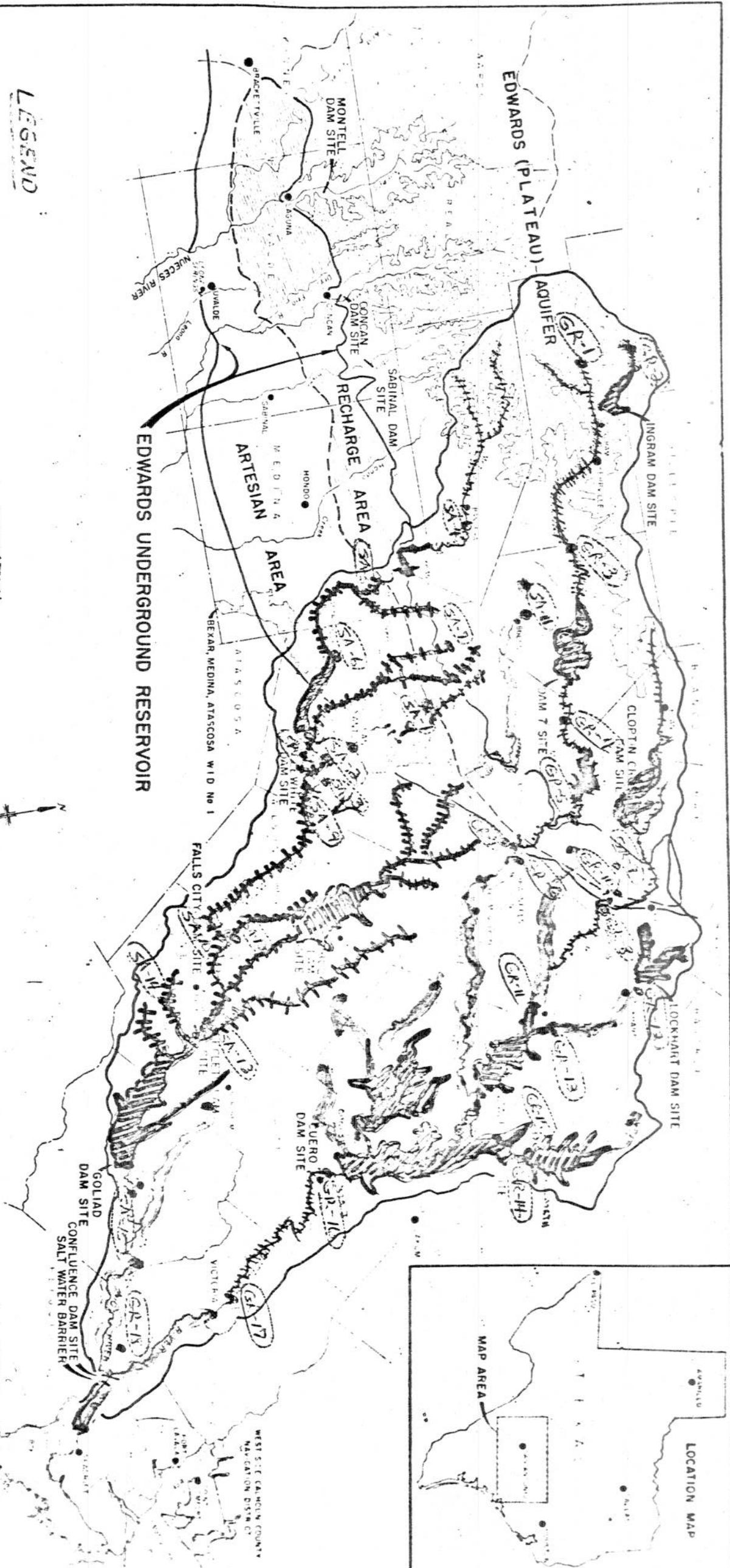
Station	Years	Streamflow (CFS)	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
SA-1	1969-73	MEAN	2,72	1,14	1,26	0,80	1,49	1,05	4,11	14,80	6,78	2,30	2,29	10,64
		Low Optimum	2,04	0,86	0,94	0,60	1,12	0,79	3,10	11,10	5,10	1,73	1,72	7,98
SA-2	1957-74	MEAN	57,77	55,61	50,65	57,78	59,12	44,51	49,14	70,47	43,25	36,89	43,26	68,38
		Low Optimum	43,28	41,71	37,99	43,34	44,34	33,38	36,86	52,85	32,81	27,67	32,45	51,29
SA-3	1960-74	MEAN	32,77	29,15	27,20	45,67	30,52	20,57	23,92	29,65	33,10	29,49	28,87	25,47
		Low Optimum	24,58	21,86	20,40	34,25	22,89	15,43	17,94	22,24	24,83	22,12	21,65	19,10
SA-4	1961-74	MEAN	225,91	125,05	104,15	111,04	131,16	121,16	99,99	177,79	115,44	193,50	247,09	139,89
		Low Optimum	169,43	93,79	78,11	83,28	98,37	90,87	74,99	133,34	86,58	145,13	185,30	104,92
SA-5	1962-73	MEAN	88,20	66,90	41,90	38,20	50,80	32,06	23,20	48,20	52,70	170,40	50,90	64,30
		Low Optimum	66,10	50,20	31,40	28,70	38,10	24,04	17,40	36,20	39,60	127,80	38,20	48,25
SA-6	1971-74	MEAN	552,80	316,15	176,30	127,20	105,30	82,45	96,20	238,90	159,60	766,20	340,00	365,40
		Low Optimum	414,60	237,10	132,20	95,40	79,00	61,80	72,16	179,20	119,70	574,60	255,00	274,10
SA-7	1969-74	MEAN	12,10	2,40	1,90	0,40	1,04	1,37	6,70	9,60	4,00	12,06	3,12	6,87
		Low Optimum	9,10	1,80	1,40	0,30	0,80	1,02	5,10	7,20	3,00	9,04	2,30	5,15
SA-8	1962-74	MEAN	288,79	179,25	129,98	171,81	126,98	96,38	110,43	236,35	137,72	308,45	191,59	253,28
		Low Optimum	216,59	134,44	97,49	128,86	95,24	72,29	82,82	177,26	103,29	231,34	143,69	189,96
SA-9	1963-74	MEAN	501,42	384,00	325,00	452,58	376,50	294,08	315,33	582,75	366,72	477,68	421,17	595,25
		Low Optimum	376,07	288,00	243,75	339,44	282,39	220,56	236,50	437,06	275,04	358,26	315,88	446,44

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Station	Years	Streamflow (CFS)	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.
SA-10	1960-74	MEAN	411.93	342.67	481.20	427.60	317.80	320.33	574.30	433.12	451.73	417.73	634.73
		Low optimum	308.95	257.00	360.90	320.70	238.35	240.25	431.10	324.84	338.80	313.30	476.05
SA-11	1963-74	MEAN	14.39	17.60	20.70	20.50	36.70	29.50	45.80	21.80	26.90	22.80	26.70
		Low optimum	10.80	13.20	15.50	15.30	27.50	22.10	34.30	16.40	22.20	17.10	20.00
SA-12	1961-74	MEAN	102.34	69.90	152.74	106.54	47.14	78.02	625.10	183.84	109.59	67.79	269.45
		Low optimum	76.76	52.43	114.56	79.91	35.36	58.52	468.83	137.88	82.19	50.84	202.09
SA-13	1963-74	MEAN	3.20	5.20	41.80	32.90	15.30	24.60	40.20	55.17	1.03	3.90	137.60
		Low optimum	2.40	3.90	31.30	24.6	11.50	18.50	30.20	41.38	0.70	2.90	103.20
SA-14	1958-73	MEAN	10.80	3.40	7.10	10.30	2.20	9.90	27.40	26.00	1.97	4.70	47.60
		Low optimum	8.16	2.60	5.30	7.70	1.60	7.40	20.50	19.50	1.50	3.50	35.70
SA-15	1924-74	MEAN	575.60	382.40	477.30	506.80	343.40	577.30	895.20	670.50	579.30	342.70	1032.20
		Low optimum	386.60	286.80	357.90	380.10	257.50	433.00	671.40	502.90	389.50	257.00	774.20

- MOST UNJUSTIFIABLE FOR SPORT FISHERY RECREATION
- MOST MARGINAL FOR SPORT FISHERY RECREATION
- MORE DESIRABLE SPORT FISHERY RECREATION
- MOST DESIRABLE FOR SPORT FISHERY RECREATION
- GAUGING STATION IDENTIFICATION NUMBER

LEGEND



STATE OF TEXAS
DEPARTMENT OF WATERS
BUREAU OF RECREATION
SAN ANTONIO, TEXAS

PRELIMINARY
GENERAL MAP