Water-Data Report 2008

08178800 Salado Creek at Loop 13, San Antonio, TX

San Antonio Basin
Upper San Antonio Subbasin

LOCATION.--Lat 29°21′25″, long 98°24′45″ referenced to North American Datum of 1927, Bexar County, TX, Hydrologic Unit 12100301, on right bank at upstream side of bridge on Loop 13 at San Antonio, 1.4 mi east of Brooks Air Force Base, and 3.3 mi upstream from Rosillo Creek.

DRAINAGE AREA.--189 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Sept. 1960 to current year. Prior to Oct. 2000, published as "(Lower Station) at San Antonio".

GAGE.--Water-stage recorder. Datum of gage is 526.95 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records fair. Several small diversions above station. Most of low flow comes from artesian wells and springs within the city of San Antonio.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of Sept. 27, 1946, and Aug. 15, 1960, were about equal magnitude. Flood of Aug. 15, 1960, reached a stage of 26.8 ft, from floodmarks.

08178800 Salado Creek at Loop 13, San Antonio, TX—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23	21	18	15	12	9.3	11	6.2	4.0	3.9	2.9	6.4
2	29	19	19	16	12	10	9.5	7.0	3.9	5.5	2.5	6.0
3	31	19	18	16	15	10	9.1	7.0	3.8	21	2.6	5.8
4	31	18	18	16	14	11	9.3	6.2	3.5	45	2.6	5.1
5	30	18	19	16	14	9.1	9.9	6.4	3.3	38	1.9	4.8
6	26	19	19	16	13	11	9.3	6.5	3.4	7.1	2.6	4.6
7	22	18	18	16	12	16	9.3	5.9	4.2	29	2.5	4.8
8	22	17	18	15	13	10	9.2	6.1	4.9	95	2.1	6.6
9	22	18	18	15	12	9.2	9.4	6.2	4.2	43	2.0	13
10	25	17	18	15	11	71	9.4	6.5	4.5	19	2.1	10
11	24	18	18	15	11	81	9.1	6.1	4.8	7.6	2.8	6.6
12	25	18	36	15	12	20	8.3	5.4	4.2	4.5	3.1	5.4
13	24	17	20	14	12	14	8.8	5.5	3.9	3.7	12	4.7
14	21	18	17	14	12	13	8.0	8.2	3.0	3.6	5.3	4.4
15	21	16	19	15	12	13	7.8	14	3.0	3.9	3.4	4.1
16	21	15	18	17	14	12	7.5	10	3.4	3.5	4.1	3.8
17	27	18	17	15	14	12	7.6	6.2	2.3	3.3	3.8	4.1
18	26	18	17	14	11	17	98	5.3	2.6	5.5	133	3.4
19	26	18	17	15	10	23	28	5.3	3.0	3.6	344	3.6
20	24	18	17	14	9.6	13	11	5.4	2.4	4.0	672	8.4
21	21	18	16	15	10	12	8.3	4.6	2.2	3.1	60	18
22	34	17	14	17	10	12	7.6	4.3	2.1	2.6	17	5.9
23	33	17	15	16	11	10	7.4	6.8	2.8	2.8	53	3.4
24	23	18	16	16	11	10	7.5	5.8	3.0	72	111	3.4
25	23	24	16	16	10	10	7.0	4.9	2.3	158	80	3.4
26	23	26	17	19	9.6	10	96	4.2	2.2	16	17	3.0
27	22	19	16	17	10	10	14	4.3	2.1	6.7	19	2.9
28	20	18	16	16	9.9	10	7.9	4.4	3.7	4.8	9.2	2.9
29	18	17	16	15	9.4	10	7.3	3.7	2.9	4.3	12	2.8
30	18	18	15	13	---	11	6.8	4.2	2.4	3.7	10	2.3
31	21	---	16	13	---	11	---	4.2	---	3.3	7.1	---
Total	756	550	552	477	336.5	500.6	459.3	186.8	98.0	627.0	1,602.6	163.6
Mean	24.4	18.3	17.8	15.4	11.6	16.1	15.3	6.03	3.27	20.2	51.7	5.45
Max	34	26	36	19	15	81	98	14	4.9	158	672	18
Min	18	15	14	13	9.4	9.1	6.8	3.7	2.1	2.6	1.9	2.3
Ac-ft	1,500	1,090	1,090	946	667	993	911	371	194	1,240	3,180	325

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	66.9	50.5	38.5	38.4	37.3	36.1	40.7	70.6	65.8	53.1	30.1	44.1
Max	1,161	557	376	379	285	206	188	358	349	651	199	400
(WY)	(1999)	(2005)	(1992)	(1968)	(1992)	(1992)	(1977)	(1972)	(1987)	(2002)	(2007)	(1973)
Min	2.86	3.76	6.11	3.88	5.27	7.70	7.80	3.88	1.64	0.55	0.56	2.32
(WY)	(1997)	(2000)	(2000)	(1997)	(1996)	(1996)	(1984)	(1998)	(1967)	(1998)	(2000)	(1999)

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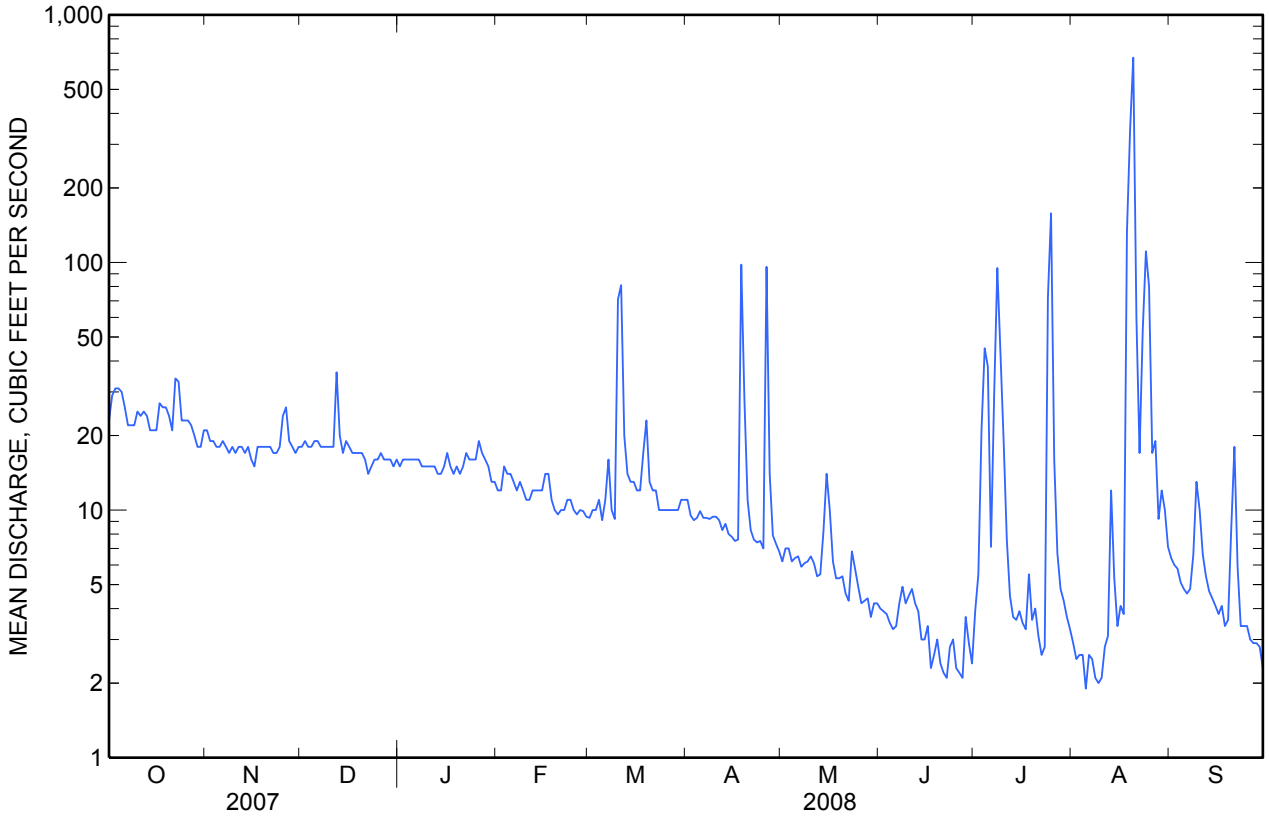
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1960 - 2008	
Annual total	36,004.9		6,309.4			
Annual mean	98.6		17.2		47.8	
Highest annual mean					149	1992
Lowest annual mean					9.96	1996
Highest daily mean	3,120	Aug 17	672	Aug 20	16,900	Oct 18, 1998
Lowest daily mean	5.0	Feb 15	1.9	Aug 5	0.00	Aug 13, 1967
Annual seven-day minimum	5.7	Feb 14	2.3	Aug 4	0.03	Jul 29, 1998
Maximum peak flow			1,630	Aug 20	[i]47,800	Oct 17, 1998
Maximum peak stage			13.02	Aug 20	[a]34.07	Oct 17, 1998
Annual runoff (ac-ft)	71,420		12,510		34,620	
10 percent exceeds	202		24		60	
50 percent exceeds	21		11		18	
90 percent exceeds	7.4		3.3		5.4	

[i] From indirect measurement of peak flow.

[a] From floodmark.



08178800 Salado Creek at Loop 13, San Antonio, TX—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL DATA: Nov. 1968 to Apr. 1979, Dec. 1981 to Sept. 1998, Nov. 2000 to current year.
BIOCHEMICAL DATA: Nov. 1968 to Apr. 1979, Dec. 1981 to Sept. 1998, Nov. 2000 to current year.
BIOLOGICAL DATA: Dec. 1975 to Apr. 1979, Dec 1982 to Dec. 1997, July 2005 to July 2006, July 2008 to current year.
PESTICIDE DATA: Nov. 1968 to Apr. 1979, July 1982 to June 1995, Jan. 1997 to Sept. 1998, Nov. 2000 to current year.
SEDIMENT CHEMISTRY DATA: Apr. 1993 to Aug. 1995, June 2001 to Sept. 2001, Dec. 2007.
SEDIMENT DATA: Nov. 1971 to Sept. 1973, Apr. 1996 to July 1998, Nov. 2000 to Sept. 2001, Oct. 2003 to current year.
RADIOCHEMICAL DATA: Feb. 1998 to Mar. 1998.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Jan. 1987 to July 2000.
pH: Jan. 1987 to July 2000.
WATER TEMPERATURE: Jan. 1987 to July 2000.
DISSOLVED OXYGEN: Jan. 1987 to July 2000.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,290 microsiemens/cm, Aug. 23, 1994; minimum, 39 microsiemens/cm, Nov. 9, 1990.
pH: Maximum, 9.0 standard units, Apr. 26, 27, 1997; minimum, 7.0 standard units, Aug. 24, 1999.
WATER TEMPERATURE: Maximum, 31.0°C, July 17-20, 1988, July 30, 1993, July 17, 19, 1996; minimum, 0.0°C, Dec. 24, 1989.
DISSOLVED OXYGEN: Maximum, 16.7 mg/L, Jan. 27, 1988, Mar. 11, 1996; minimum, 0.6 mg/L, July 27, 1996.

08178800 Salado Creek at Loop 13, San Antonio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 1 of 9
[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Time	Sample medium and type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, air, deg C (00020)
Oct									
11...	1200	Surface water, regular	24	752	7.0	85	8.0	832	31.4
29...	0900	Surface water, regular	18	763	2.8	29	7.9	772	19.4
Nov									
14...	0900	Surface water, regular	18	753	6.9	79	7.8	876	25.2
Dec									
18...	1030	Surface water, regular	17	759	9.3	87	7.7	830	18.6
Jan									
16...	0930	Surface water, regular	17	759	9.3	87	7.7	880	12.2
Feb									
04...	0930	Surface water, regular	14	759	6.7	70	7.9	879	21.1
Mar									
03...	1030	Surface water, regular	10	760	6.8	74	7.9	904	13.1
17...	1000	Surface water, regular	12	738	6.3	72	7.8	763	24.2
31...	1000	Surface water, regular	11	739	5.7	66	7.8	871	23.6
Apr									
14...	1030	Surface water, regular	8.4	741	6.9	75	8.1	913	21.0
14...	*1050*	*QC - Artificial, blank*	--	--	--	--	--	--	--
28...	1000	Surface water, regular	7.7	772	5.0	53	7.5	435	20.3
May									
19...	0930	Surface water, regular	5.2	763	6.3	73	7.9	852	31.3
Jun									
03...	1000	Surface water, regular	3.8	762	5.1	64	7.9	912	32.5
03...	*1005*	*QC - Surface water, replicate*	--	--	--	--	--	--	--
23...	1030	Surface water, regular	2.6	764	4.8	60	7.8	911	30.6
Jul									
07...	1030	Surface water, regular	4.4	747	4.2	53	7.6	590	29.3
21...	1030	Surface water, regular	3.4	748	5.2	67	7.9	670	31.9
Aug									
05...	1000	Surface water, regular	1.9	747	5.3	69	7.7	672	29.4
19...	1400	Surface water, regular	157	752	6.8	83	7.5	280	32.8
Sep									
02...	1030	Surface water, regular	6.2	742	5.9	75	7.8	655	32.3
16...	1000	Surface water, regular	3.6	755	6.6	76	7.8	824	23.4

08178800 Salado Creek at Loop 13, San Antonio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 9
[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Temperature, water, deg C (00010)	Alkalinity, wat flt inf tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt infl pt titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)
Oct													
11...	24.6	268	326	50.0	84.3	--	<.020	1.26	5.55	1.25	.024	.007	--
29...	16.5	272	332	46.8	61.9	--	<.020	1.21	5.36	1.21	.012	.004	--
Nov													
14...	20.9	307	374	57.0	66.3	--	<.020	1.49	6.55	1.48	.025	.008	--
Dec													
18...	12.3	292	356	55.5	62.5	--	<.020	1.38	6.10	1.38	.018	.005	--
Jan													
16...	11.8	298	364	63.1	70.9	.05	.038	1.43	6.31	1.43	.029	.009	.17
Feb													
04...	17.0	275	335	69.2	75.7	.06	.048	1.35	5.90	1.33	.051	.015	.32
Mar													
03...	19.4	300	366	68.3	75.9	.11	.086	.93	4.03	.91	.057	.017	.26
17...	19.9	248	302	52.9	60.9	.13	.100	1.03	4.42	1.00	.097	.029	.31
31...	21.6	285	347	65.3	70.0	.03	.026	.97	4.11	.93	.121	.037	.44
Apr													
14...	17.9	314	383	68.7	71.5	E.02	E.014	.91	3.97	.90	.040	.012	E.33
14...	--	--	--	*<.12*	*<.18*	--	*<.020*	*E.02*	--	--	--	*<.002*	--
28...	19.5	140	171	27.9	36.1	.11	.086	.77	3.28	.74	.080	.024	.43
May													
19...	22.3	292	356	61.9	61.2	.04	.033	.65	2.84	.64	.018	.006	.33
Jun													
03...	26.6	316	385	68.9	62.8	.06	.046	.51	2.22	.50	.022	.007	.34
03...	--	*317*	*386*	*67.6*	*62.2*	*.06*	*.043*	*.51*	*2.21*	*.50*	*.022*	*.007*	*.28*
23...	26.4	304	370	72.5	62.6	.08	.062	.24	1.03	.23	.017	.005	.25
Jul													
07...	26.1	178	217	46.2	43.4	.09	.067	.45	1.94	.44	.044	.014	.36
21...	27.3	230	280	41.1	44.4	.05	.037	.39	1.72	.39	.015	.005	.30
Aug													
05...	27.5	237	289	39.4	44.2	.05	.037	.39	1.68	.38	.023	.007	.33
19...	25.2	76.4	93.2	12.0	29.5	.09	.072	1.42	6.07	1.37	.155	.047	.92
Sep													
02...	26.4	218	266	41.0	47.8	.04	.027	.67	2.94	.66	.025	.008	.22
16...	22.0	273	333	59.5	61.8	.03	.023	.54	2.37	.53	.013	.004	.23

08178800 Salado Creek at Loop 13, San Antonio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 9
[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Total nitrogen, wat unf by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L as P (00665)	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Diethylaniline water, fltrd 0.7u GF µg/L (82660)	2Chloro-2',6'-diethyl acetanilide wat flt µg/L (61618)	ClAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methylaniline water, fltrd, µg/L (61620)	3,4-Dichloroaniline water, fltrd, µg/L (61625)	3,5-Dichloroaniline water, fltrd, µg/L (61627)	4-Chloro-2methyl phenol, water, fltrd, µg/L (61633)	Acetochlor, water, fltrd, µg/L (49260)
Oct													
11...	1.42	.125	.041	.063	<.04	<.006	<.010	E.021	<.010	<.006	<.008	<.005	<.006
29...	1.50	.104	.034	.059	<.04	<.006	<.010	E.015	<.010	<.006	<.008	<.005	<.006
Nov													
14...	1.71	.100	.033	.055	<.04	<.006	<.010	E.012	<.010	E.003	<.008	<.005	<.006
Dec													
18...	1.63	.173	.056	.082	<.04	<.006	<.010	E.011	<.010	<.006	<.008	<.005	<.006
Jan													
16...	1.64	.039	.013	.033	<.04	<.006	<.010	E.011	<.010	<.006	<.008	<.005	<.006
Feb													
04...	1.71	.018	.006	.028	<.04	<.006	<.010	E.011	<.010	<.006	<.008	<.005	<.006
Mar													
03...	1.27	.067	.022	.049	<.04	<.006	<.010	E.013	<.010	<.006	<.008	<.005	<.006
17...	1.44	.148	.048	.082	<.04	<.006	<.010	E.019	<.010	E.011	<.008	<.005	<.006
31...	1.43	.161	.052	.117	<.04	<.006	<.010	E.017	<.010	E.009	<.008	<.005	<.006
Apr													
14...	1.24	.278	.091	.136	<.04	<.006	<.010	E.015	<.010	E.007	<.008	<.005	<.006
14...	*<.06*	--	*<.006*	*E.007*	*<.04*	*<.006*	*<.010*	*<.014*	*<.010*	*<.006*	*<.008*	*<.005*	*<.006*
28...	1.28	.399	.130	.192	<.04	<.006	<.010	E.030	<.010	E.012	<.008	<.005	<.006
May													
19...	1.01	.327	.107	.153	<.04	<.006	<.010	E.024	<.010	E.011	<.008	<.005	<.006
Jun													
03...	.90	.367	.120	.153	<.04	<.006	<.010	E.016	<.010	E.010	<.008	<.005	<.006
03...	*.83*	*.357*	*.117*	*.166*	*<.04*	*<.006*	*<.010*	*E.019*	*<.010*	*E.010*	*<.008*	*<.005*	*<.006*
23...	.55	.300	.098	.122	<.04	<.006	<.010	E.020	<.010	E.009	<.008	<.005	<.006
Jul													
07...	.88	.431	.141	.178	<.04	<.006	<.010	E.010	<.010	E.011	<.008	<.005	<.006
21...	.73	.426	.139	.180	<.04	<.006	<.010	E.015	<.010	E.017	<.008	<.005	<.006
Aug													
05...	.75	.366	.119	.158	<.04	<.006	<.010	E.013	<.010	E.011	<.008	<.005	<.006
19...	2.41	.268	.087	.381	<.04	<.006	<.010	E.010	<.010	<.008	<.008	<.005	<.006
Sep													
02...	.92	.353	.115	.146	<.04	<.006	<.010	E.011	<.010	E.008	<.008	<.005	<.006
16...	.79	.240	.078	.112	<.04	<.006	<.010	E.015	<.010	<.006	<.008	<.005	<.006

08178800 Salado Creek at Loop 13, San Antonio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 4 of 9
[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Alachlor, water, fltrd, µg/L (46342)	alpha-Endosulfan, water, fltrd, µg/L (34362)	Atrazine, water, fltrd, µg/L (39632)	Azinphos-methyl oxon, water, fltrd, µg/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF µg/L (82686)	Benfluralin, water, fltrd 0.7u GF µg/L (82673)	Carbaryl, water, fltrd 0.7u GF µg/L (82680)	Carbofuran, water, fltrd 0.7u GF µg/L (82674)	Chlorpyrifos oxon, water, fltrd, µg/L (61636)	Chlorpyrifos water, fltrd, µg/L (38933)	cis-Permethrin water fltrd 0.7u GF µg/L (82687)	cis-Propiconazole, water, fltrd, µg/L (79846)	Cyanazine, water, fltrd, µg/L (04041)
Oct													
11...	<.006	<.006	.066	<.04	<.120	<.004	<.060	<.020	<.06	<.005	<.010	<.006	<.020
29...	<.006	<.006	.042	<.04	<.120	<.004	E.010	<.020	<.06	<.005	<.010	<.006	<.020
Nov													
14...	<.006	<.006	.019	<.04	<.120	<.004	<.060	<.020	<.06	<.005	<.010	<.006	<.020
Dec													
18...	<.006	<.006	.014	<.04	<.120	<.004	E.007	<.020	<.06	<.005	<.010	<.006	<.020
Jan													
16...	<.006	<.006	.010	<.04	<.120	<.004	<.060	<.020	<.06	<.005	<.010	<.006	<.020
Feb													
04...	<.006	<.006	.011	<.04	<.120	<.004	<.060	<.020	<.06	<.005	<.010	<.006	<.020
Mar													
03...	<.006	<.006	.013	<.04	<.120	<.010	<.060	<.020	<.06	<.005	<.010	<.006	<.020
17...	<.006	<.006	.090	<.04	<.120	<.010	E.007	<.020	<.06	<.005	<.010	<.006	<.020
31...	<.006	<.006	.050	<.04	<.120	<.010	<.060	<.020	<.06	<.005	<.010	<.006	<.020
Apr													
14...	<.006	<.006	.019	<.04	<.120	<.010	<.060	<.020	<.06	<.005	<.010	<.006	<.020
14...	*<.006*	*<.006*	*<.007*	*<.04*	*<.120*	*<.010*	*<.060*	*<.020*	*<.06*	*<.005*	*<.010*	*<.006*	*<.020*
28...	<.006	<.006	.326	<.04	<.120	<.010	E.168	<.020	<.06	<.006	<.010	<.006	<.020
May													
19...	<.006	<.006	.061	<.04	<.120	<.010	E.026	<.020	<.06	<.005	<.010	<.006	<.020
Jun													
03...	<.006	<.006	.024	<.04	<.120	<.010	<.060	<.020	<.06	<.005	<.010	<.006	<.020
03...	*<.006*	*<.006*	*.026*	*<.04*	*<.120*	*<.010*	*<.060*	*<.020*	*<.06*	*<.005*	*<.010*	*<.006*	*<.020*
23...	<.006	<.006	.018	<.04	<.120	<.010	<.060	<.020	<.06	<.005	<.010	<.006	<.020
Jul													
07...	<.006	<.006	.047	<.04	<.120	<.010	E.063	<.020	<.06	<.005	<.010	<.006	<.020
21...	<.006	<.006	.036	<.04	<.120	<.010	<.060	<.020	<.06	<.005	<.010	<.006	<.020
Aug													
05...	<.006	<.006	.030	<.04	<.120	<.010	E.023	<.020	<.06	<.005	<.010	<.006	<.020
19...	<.006	<.006	.153	<.04	<.120	<.010	E.048	<.020	<.06	<.005	<.010	E.009	<.020
Sep													
02...	<.006	<.006	.034	<.04	<.120	<.010	E.016	<.020	<.06	<.005	<.010	<.006	<.020
16...	<.006	<.006	.041	<.04	<.120	<.010	<.060	<.020	<.06	<.005	<.010	<.006	<.020

08178800 Salado Creek at Loop 13, San Antonio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 5 of 9
[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Cyflu-thrin, water, fltrd, µg/L (61585)	lambda-Cyhalo-thrin, water, fltrd, µg/L (61595)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)	Desulf-inyl-fipro-nil, water, fltrd, µg/L (62170)	Diazi-non, water, fltrd, µg/L (39572)	Dicro-tophos, water, fltrd, µg/L (38454)	Diel-drin, water, fltrd, µg/L (39381)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Disulf-oton sulfone water, fltrd, µg/L (61640)	Disul-foton, water, fltrd 0.7u GF µg/L (82677)	Endo-sulfan sulfate water, fltrd, µg/L (61590)	EPTC, water, fltrd 0.7u GF µg/L (82668)
Oct													
11...	<.016	<.004	<.014	<.003	E.005	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
29...	<.016	<.004	<.014	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
Nov													
14...	<.016	<.004	<.014	<.003	E.004	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
Dec													
18...	<.016	<.004	<.014	<.003	E.005	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
Jan													
16...	<.016	<.004	<.014	<.003	<.012	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
Feb													
04...	<.016	<.004	<.014	<.003	<.012	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
Mar													
03...	<.016	<.004	<.014	<.003	<.012	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
17...	<.016	<.004	<.014	<.003	E.005	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
31...	<.016	<.004	<.014	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
Apr													
14...	<.016	<.004	<.014	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
14...	*<.016*	*<.004*	*<.014*	*<.003*	*<.012*	*<.005*	*<.08*	*<.009*	*<.006*	*<.01*	*<.04*	*<.022*	*<.002*
28...	<.016	<.004	<.014	<.003	E.003	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
May													
19...	<.016	<.004	<.014	<.003	E.003	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
Jun													
03...	<.016	<.004	<.014	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
03...	*<.016*	*<.004*	*<.014*	*<.003*	*E.006*	*<.005*	*<.08*	*<.009*	*<.006*	*<.01*	*<.04*	*<.022*	*<.002*
23...	<.016	<.004	<.014	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
Jul													
07...	<.016	<.004	<.014	<.003	E.004	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
21...	<.016	<.004	<.014	<.003	E.007	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
Aug													
05...	<.016	<.004	<.023	<.003	E.004	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
19...	<.016	<.004	<.014	<.003	E.004	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
Sep													
02...	<.016	<.004	<.014	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002
16...	<.016	<.004	<.014	<.003	E.004	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002

08178800 Salado Creek at Loop 13, San Antonio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 6 of 9
[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Ethion monoxon water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Ethoprop, water, fltrd 0.7u GF µg/L (82672)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos sulfoxide, water, fltrd, µg/L (61646)	Fenamiphos, water, fltrd, µg/L (61591)	Desulfinylfipronil amide, wat flt µg/L (62169)	Fipronil sulfide water, fltrd, µg/L (62167)	Fipronil sulfone water, fltrd, µg/L (62168)	Fipronil, water, fltrd, µg/L (62166)	Fonofos water, fltrd, µg/L (04095)	Hexazinone, water, fltrd, µg/L (04025)	Iprodione, water, fltrd, µg/L (61593)
Oct													
11...	<.02	<.006	<.012	<.053	<.04	<.03	E.007	E.006	<.024	<.020	<.010	<.008	<.01
29...	<.02	<.006	<.012	<.053	<.06	<.03	E.007	E.006	<.024	E.008	<.010	<.009	<.0175
Nov													
14...	<.02	<.006	<.012	<.053	<.04	<.03	E.003	E.005	E.005	E.004	<.010	<.008	<.01
Dec													
18...	<.02	<.006	<.012	<.053	<.04	<.03	<.029	<.013	E.007	E.006	<.010	<.008	<.01
Jan													
16...	<.02	<.006	<.012	<.053	<.04	<.03	<.029	<.013	<.024	<.020	<.010	<.008	<.01
Feb													
04...	<.02	<.006	<.012	<.053	<.04	<.03	<.029	<.013	<.024	<.020	<.010	<.008	<.01
Mar													
03...	<.02	<.006	<.012	<.053	<.20	<.03	<.029	<.013	<.024	<.020	<.010	<.014	<.01
17...	<.02	<.006	<.012	<.053	<.20	<.03	<.029	<.013	<.024	E.005	<.010	<.008	<.01
31...	<.02	<.006	<.012	<.053	<.20	<.03	<.029	E.009	E.008	E.011	<.010	<.014	<.01
Apr													
14...	<.02	<.006	<.012	<.053	<.20	<.03	<.029	E.009	<.024	E.011	<.010	.015	<.01
14...	*<.02*	*<.006*	*<.012*	*<.053*	*<.20*	*<.03*	*<.029*	*<.013*	*<.024*	*<.020*	*<.010*	*<.008*	*<.01*
28...	<.02	<.010	<.012	<.053	<.20	<.03	<.029	E.003	<.024	E.005	<.010	<.008	<.01
May													
19...	<.02	<.006	<.012	<.053	<.20	<.03	<.029	E.003	E.004	E.004	<.010	.009	<.01
Jun													
03...	<.02	<.006	<.012	<.053	<.20	<.03	<.029	<.013	<.024	<.020	<.010	<.008	<.01
03...	*<.02*	*<.006*	*<.012*	*<.053*	*<.20*	*<.03*	*<.029*	*<.013*	*<.024*	*<.020*	*<.010*	*<.008*	*<.01*
23...	<.02	<.006	<.012	<.053	<.20	<.03	E.007	E.007	<.024	<.020	<.010	<.011	<.01
Jul													
07...	<.02	<.014	<.012	<.053	<.20	<.03	<.029	E.005	E.006	E.007	<.010	<.008	<.01
21...	<.02	<.006	<.012	<.053	<.20	<.03	E.006	E.005	E.007	E.043	<.010	E.007	<.01
Aug													
05...	<.02	<.006	<.012	<.053	<.20	<.03	<.029	E.004	<.024	E.004	<.010	<.008	<.01
19...	<.02	<.050	<.012	E.012	<.20	E.02	E.003	E.004	E.005	E.010	<.010	<.008	<.0700
Sep													
02...	<.02	<.006	<.012	E.074	E.02	.08	<.029	E.005	E.006	E.006	<.010	<.008	<.01
16...	<.02	<.006	<.012	E.005	<.20	E.01	<.029	E.005	<.024	E.004	<.010	<.008	<.01

08178800 Salado Creek at Loop 13, San Antonio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 7 of 9
[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Isofen-phos, water, fltrd, µg/L (61594)	Mala-oxon, water, fltrd, µg/L (61652)	Mala-thion, water, fltrd, µg/L (39532)	Meta-laxyl, water, fltrd, µg/L (61596)	Methid-athion, water, fltrd, µg/L (61598)	Methyl para-oxon, water, fltrd, µg/L (61664)	Methyl para-thion, water, fltrd 0.7u GF µg/L (82667)	Metola-chlor, water, fltrd, µg/L (39415)	Metri-buzin, water, fltrd, µg/L (82630)	Moli-nate, water, fltrd 0.7u GF µg/L (82671)	Myclo-butanil water, fltrd, µg/L (61599)	Oxy-fluor-fen, water, fltrd, µg/L (61600)	Pendi-meth-alin, water, fltrd 0.7u GF µg/L (82683)
Oct													
11...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
29...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
Nov													
14...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.027	<.010	<.006	<.012
Dec													
18...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
Jan													
16...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
Feb													
04...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
Mar													
03...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
17...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	E.008	<.012	<.003	<.010	<.006	<.012
31...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	E.006	<.012	<.003	<.010	<.006	<.012
Apr													
14...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
14...	*<.006*	*<.020*	*<.016*	*<.007*	*<.004*	*<.01*	*<.008*	*<.010*	*<.012*	*<.003*	*<.010*	*<.006*	*<.012*
28...	<.006	<.020	.020	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
May													
19...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
Jun													
03...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
03...	*<.006*	*<.020*	*<.016*	*<.007*	*<.004*	*<.01*	*<.008*	*<.010*	*<.012*	*<.003*	*<.010*	*<.006*	*<.012*
23...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
Jul													
07...	<.006	<.020	E.019	<.008	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
21...	<.006	<.020	<.016	<.007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
Aug													
05...	<.006	<.020	<.016	<.010	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012
19...	<.006	<.020	E.018	<.008	<.004	<.01	<.008	<.010	<.012	<.003	E.007	<.006	<.012
Sep													
02...	<.006	<.020	<.016	<.011	<.004	<.01	<.008	<.010	<.012	<.003	<.015	<.006	<.012
16...	<.006	<.020	<.016	<.010	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012

08178800 Salado Creek at Loop 13, San Antonio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 8 of 9
[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prometon, water, fltrd, µg/L (04037)	Prometryn, water, fltrd, µg/L (04036)	Propyzamide, water, fltrd 0.7u GF µg/L (82676)	Propanil, water, fltrd 0.7u GF µg/L (82679)	Propargite, water, fltrd 0.7u GF µg/L (82685)	Simazine, water, fltrd, µg/L (04035)	Tebuthiuron water, fltrd 0.7u GF µg/L (82670)	Tefluthrin, water, fltrd, µg/L (61606)	Terbufos oxon sulfone water, fltrd, µg/L (61674)
Oct													
11...	<.03	<.040	<.05	<.008	.02	<.006	<.004	<.006	<.04	.009	.05	<.003	<.04
29...	<.03	<.040	--	<.008	.02	<.006	<.004	<.006	<.04	.010	.06	<.003	<.04
Nov													
14...	<.03	<.040	<.05	<.008	.02	<.006	<.004	<.006	<.04	.011	.10	<.003	<.04
Dec													
18...	<.03	<.040	<.05	<.008	.02	<.006	<.004	<.006	<.04	.011	.05	<.003	<.04
Jan													
16...	<.03	<.040	<.05	<.008	.02	<.006	<.004	<.006	<.04	.117	.07	<.003	<.04
Feb													
04...	<.03	<.040	<.05	<.008	.02	<.006	<.004	<.006	<.04	.020	.06	<.003	<.04
Mar													
03...	<.03	<.040	<.05	<.008	.02	<.006	<.004	<.006	<.04	.013	.06	<.008	<.04
17...	<.03	<.040	<.05	<.008	.03	<.006	<.004	<.006	<.04	.021	<.02	<.003	<.04
31...	<.03	<.040	<.05	<.008	.03	<.006	<.004	<.006	<.04	.014	.09	<.003	<.04
Apr													
14...	<.03	<.040	<.05	<.008	.03	<.006	<.004	<.006	<.04	.012	.09	<.003	<.04
14...	*<.03*	*<.040*	*<.05*	*<.008*	*<.01*	*<.006*	*<.004*	*<.006*	*<.04*	*<.006*	*<.02*	*<.003*	*<.04*
28...	<.03	<.040	<.05	<.008	.02	<.006	<.004	<.006	<.04	.011	.05	<.003	<.04
May													
19...	<.03	<.040	<.05	<.008	.02	<.006	<.004	<.006	<.04	.011	.12	<.003	<.04
Jun													
03...	<.03	<.040	<.05	<.008	.02	<.006	<.004	<.006	<.04	.011	.12	<.003	<.04
03...	*<.03*	*<.040*	*<.05*	*<.008*	*.03*	*<.006*	*<.004*	*<.006*	*<.04*	*.012*	*.14*	*<.003*	*<.04*
23...	<.03	<.040	<.06	<.008	.02	<.006	<.004	<.006	<.04	.012	.15	<.003	<.04
Jul													
07...	<.03	<.040	<.05	<.008	.03	<.006	<.004	<.006	<.04	.010	.09	<.005	<.04
21...	<.03	<.040	<.06	<.008	.03	<.006	<.004	<.006	<.04	.012	.14	<.003	<.04
Aug													
05...	<.03	<.040	<.05	<.008	.03	<.006	<.004	<.006	<.04	.010	.10	<.003	<.04
19...	<.03	<.040	<.05	<.008	.02	<.006	<.004	<.006	<.04	E.005	.02	<.003	<.04
Sep													
02...	<.03	<.040	<.05	<.008	.02	<.006	<.004	<.006	<.04	.009	.08	<.003	<.04
16...	<.03	<.040	<.05	<.008	.03	<.006	<.004	<.006	<.04	.010	.11	<.003	<.04

08178800 Salado Creek at Loop 13, San Antonio, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 9 of 9
[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Terbufos, water, fltrd 0.7u GF µg/L (82675)	Terbuthylazine, water, fltrd, µg/L (04022)	Thiobencarb water, fltrd 0.7u GF µg/L (82681)	trans-Propiconazole, water, fltrd, µg/L (79847)	Tribuphos, water, fltrd, µg/L (61610)	Trifluralin, water, fltrd 0.7u GF µg/L (82661)	Dichlorvos, water, fltrd, µg/L (38775)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)	Data base number	Medium code
Oct											
11...	<.02	<.01	<.010	<.02	<.035	<.006	<.01	17	1.1	01	WS
29...	<.02	<.01	<.010	<.02	<.035	<.006	<.01	84	4.1	01	WS
Nov											
14...	<.02	<.01	<.010	<.02	<.035	<.006	<.01	87	4.2	01	WS
Dec											
18...	<.02	<.01	<.010	<.02	<.035	<.006	<.01	98	4.5	01	WS
Jan											
16...	<.02	<.01	<.010	<.02	<.035	<.006	<.01	101	4.6	01	WS
Feb											
04...	<.02	<.01	<.010	<.02	<.035	<.006	<.01	61	2.3	01	WS
Mar											
03...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	101	2.7	01	WS
17...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	72	2.3	01	WS
31...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	71	2.1	01	WS
Apr											
14...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	57	1.3	01	WS
14...	*<.02*	*<.01*	*<.010*	*<.02*	*<.035*	*<.009*	*<.01*	*.0*	*--*	*02*	*OAQ*
28...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	17	.35	01	WS
May											
19...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	93	1.3	01	WS
Jun											
03...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	93	.95	01	WS
03...	*<.02*	*<.01*	*<.010*	*<.02*	*<.035*	*<.009*	*<.01*	*102*	*--*	*02*	*WSQ*
23...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	104	.73	01	WS
Jul											
07...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	12	.14	01	WS
21...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	78	.72	01	WS
Aug											
05...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	81	.42	01	WS
19...	<.02	<.01	<.010	E.02	<.035	<.009	<.01	277	117	01	WS
Sep											
02...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	11	.18	01	WS
16...	<.02	<.01	<.010	<.02	<.035	<.009	<.01	105	1.0	01	WS