

Water-Data Report 2011

**08181500 Medina River at San Antonio, TX**

San Antonio Basin  
Medina Subbasin

LOCATION.--Lat 29°15'50", long 98°29'26" referenced to North American Datum of 1927, Bexar County, TX, Hydrologic Unit 12100302, on right bank at downstream side of bridge on Old Pleasanton Rd. in San Antonio, and 8.0 mi upstream from mouth.

DRAINAGE AREA.--1,317 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Oct. 1929 to Dec. 1930, July 1939 to current year. Oct. 1929 to Dec. 1930, records below about 50 ft<sup>3</sup>/s in connection with seepage investigation, published as "at Losoya". Published as "near San Antonio" July 1939 to Sept. 1970.

REVISED RECORDS.--WSP 1562: 1957. WSP 1923: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 439.03 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Oct. 1929 to Dec. 1930, nonrecording gage at Losoya 1.5 mi downstream at different datum. July 27, 1939 to Sept. 30, 1987, at site near left bank at downstream side of pier of upstream Hwy 281 bridge at same datum. Oct. 1, 1987 to Apr. 1, 2003, near right bank at upstream side of pier of upstream Hwy 281 bridge at same datum. Apr. 2, 2003 to Mar. 9, 2005, at right end of downstream side of downstream Hwy 281 bridge at same datum. Satellite telemeter at station.

REMARKS.--Records good. Since installation of gage in water year 1939, at least 10% of contributing drainage area has been regulated. Streamflow is lost into the Edwards and associated limestones in the Balcones Fault Zone that cross the basin between the upstream end of Medina Lake and about 5 mi downstream from Medina Dam, or 0.9 mi downstream from the Medina Diversion Dam. Several small diversions below Medina Diversion Lake. Wastewater effluent from the Mitchell Lake, Leon Creek, and Medio Creek plants was discharged into the Medina River above this station. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, 55 ft, prior to construction of Medina Dam in 1913, from information by Texas Department of Transportation.

## Water-Data Report 2011

**08181500 Medina River at San Antonio, TX—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	199	128	115	125	132	114	103	77	71	75	64	53
<b>2</b>	191	163	120	115	137	111	99	80	70	72	58	52
<b>3</b>	178	130	118	113	148	114	101	82	70	73	50	48
<b>4</b>	175	133	117	112	142	112	97	81	72	73	47	47
<b>5</b>	169	129	114	110	134	108	96	82	70	73	53	46
<b>6</b>	167	125	117	110	133	109	94	84	71	72	53	48
<b>7</b>	164	128	119	106	129	112	92	84	71	73	52	46
<b>8</b>	152	130	120	107	128	111	97	87	66	70	52	48
<b>9</b>	154	124	120	247	121	107	97	87	67	69	56	49
<b>10</b>	153	126	118	200	126	112	96	82	67	68	55	50
<b>11</b>	154	134	116	149	126	109	94	80	66	71	55	52
<b>12</b>	156	129	113	135	130	109	89	112	68	72	55	50
<b>13</b>	151	122	117	130	127	108	88	135	65	69	55	49
<b>14</b>	150	123	119	129	126	112	88	107	72	68	56	48
<b>15</b>	141	125	120	151	128	106	87	96	65	69	54	49
<b>16</b>	141	130	119	207	126	102	87	95	60	66	51	52
<b>17</b>	147	139	120	177	125	108	87	91	64	66	53	54
<b>18</b>	148	124	121	155	127	102	87	86	67	68	55	66
<b>19</b>	145	119	120	144	128	106	89	85	67	63	55	95
<b>20</b>	142	120	128	132	125	106	95	89	64	61	54	92
<b>21</b>	140	122	129	131	129	107	93	88	63	64	56	79
<b>22</b>	140	125	124	129	124	107	91	93	78	58	55	71
<b>23</b>	141	124	122	128	122	98	88	91	87	59	54	65
<b>24</b>	138	127	124	132	125	100	87	84	85	57	55	60
<b>25</b>	137	120	145	139	119	99	88	83	86	56	55	57
<b>26</b>	136	107	121	136	131	101	84	79	81	58	67	58
<b>27</b>	134	110	120	136	124	103	76	78	82	54	60	61
<b>28</b>	132	117	123	133	120	101	75	73	77	52	62	52
<b>29</b>	130	123	127	134	---	101	76	71	78	57	64	61
<b>30</b>	129	116	132	134	---	100	75	74	79	57	56	64
<b>31</b>	127	---	135	135	---	100	---	73	---	67	53	---
<b>Total</b>	4,661	3,772	3,773	4,321	3,592	3,295	2,696	2,689	2,149	2,030	1,720	1,722
<b>Mean</b>	150	126	122	139	128	106	89.9	86.7	71.6	65.5	55.5	57.4
<b>Max</b>	199	163	145	247	148	114	103	135	87	75	67	95
<b>Min</b>	127	107	113	106	119	98	75	71	60	52	47	46
<b>Ac-ft</b>	9,250	7,480	7,480	8,570	7,120	6,540	5,350	5,330	4,260	4,030	3,410	3,420

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2011<sup>b</sup>, BY WATER YEAR (WY)**

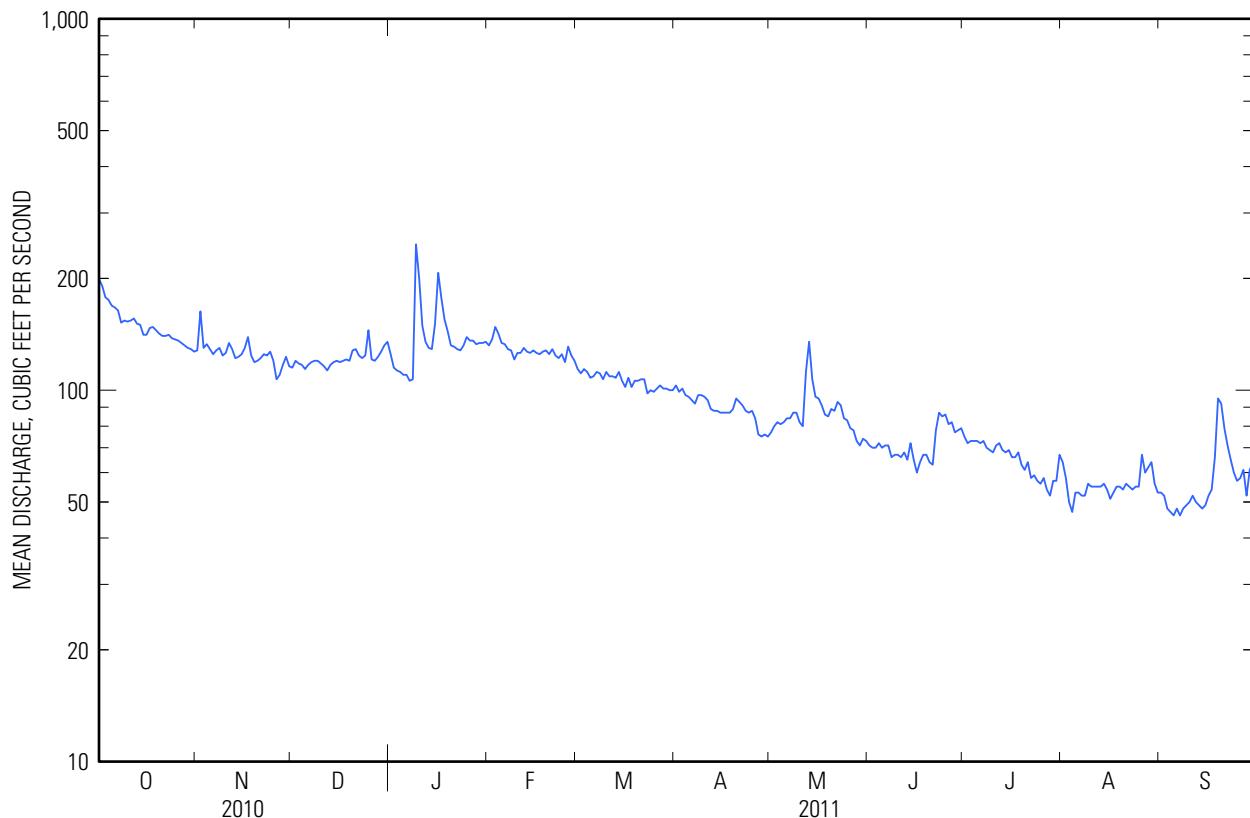
	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	251	212	173	177	223	193	207	265	382	368	200	219
<b>Max</b>	2,151	2,238	961	979	2,923	2,558	1,620	2,018	7,006	9,434	3,119	1,533
(WY)	(1999)	(2005)	(1992)	(1968)	(1992)	(1992)	(1992)	(1992)	(1987)	(2002)	(2007)	(2002)
<b>Min</b>	7.60	8.50	12.7	5.58	12.7	9.77	6.63	8.71	6.52	6.13	6.40	8.24
(WY)	(1956)	(1956)	(1955)	(1957)	(1953)	(1956)	(1956)	(1953)	(1956)	(1954)	(1952)	(1954)

**08181500 Medina River at San Antonio, TX—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>		<b>Water Years 1939 - 2011<sup>h</sup></b>	
<b>Annual total</b>	98,159	36,420			
<b>Annual mean</b>	269	99.8		240	
<b>Highest annual mean</b>				1,218	1992
<b>Lowest annual mean</b>				14.3	1956
<b>Highest daily mean</b>	5,420	Apr 18	247	Jan 9	51,300 Jul 6, 2002
<b>Lowest daily mean</b>	73	Aug 21	46	Sep 5	3.3 Apr 18, 1956
<b>Annual seven-day minimum</b>	78	Aug 18	47	Sep 3	4.0 Jan 21, 1957
<b>Maximum peak flow</b>			415	Jan 9	67,000 Jul 4, 2002
<b>Maximum peak stage</b>			5.09	Jan 9	<sup>a</sup> 56.10 Jul 4, 2002
<b>Annual runoff (ac-ft)</b>	194,700	72,240		173,500	
<b>10 percent exceeds</b>	364	139		417	
<b>50 percent exceeds</b>	148	100		103	
<b>90 percent exceeds</b>	106	55		25	

<sup>h</sup> See Period of Record paragraph.

<sup>a</sup> From floodmark.



**08181500 Medina River at San Antonio, TX—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--

CHEMICAL DATA: June 1965, Jan. 1968, Apr. 1971 to Aug. 1995, Feb. 1997 to Mar. 1998.

BIOCHEMICAL DATA: June 1965, Jan. 1968, Apr. 1971 to Aug. 1995, Feb. 1997 to Mar. 1998.

BIOLOGICAL DATA: June 1986, Dec. 1992 to Mar. 1998.

PESTICIDE DATA: Apr. 1971 to May 1984, Dec. 1992 to Mar. 1998.

RADIOCHEMICAL DATA: Dec. 1980 to June 1981.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Jan. 1987 to Sept. 2000; Mar. 2005 to current year.

pH: Jan. 1987 to Sept. 2000; Mar. 2005 to current year.

WATER TEMPERATURE: Jan. 1987 to Sept. 2000; Mar. 2005 to current year.

DISSOLVED OXYGEN: Jan. 1987 to Sept. 2000; Mar. 2005 to current year.

TURBIDITY: Mar. 2005 to current year.

INSTRUMENTATION.--A 4-parameter continuous water-quality monitor from Jan. 1987 to Sept. 2000; Mar. 2005 to current year.

REMARKS.--Specific conductance record is excellent, water temperature record is excellent, pH record is excellent, dissolved oxygen record is good and turbidity record is good. Interruptions or periods of missing record may be due to instrument failure, no flow conditions, or data corrections exceeding allowable criteria, which were deleted. Other than on flow conditions, minimum and maximum extremes may have occurred during period of missing record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1220 microsiemens/cm, Sept. 11, 2006, Mar. 7, 8, 2007; minimum, 30 microsiemens/cm, July 16, 1990.

pH: Maximum, 8.8 standard units, Dec. 4, 5, 1998; minimum, 7.4 standard units, Oct. 4, 2009.

WATER TEMPERATURE: Maximum, 33.1°C, Aug 4, 5, 6 2011; minimum, 9.0°C, Jan. 11, 1988, Dec. 23, 1989.

DISSOLVED OXYGEN: Maximum, 14.3 mg/L, Feb. 18, 1997; minimum, 1.4 mg/L, Sept. 25, 2000.

TURBIDITY: Maximum, 1,530 FNU June 29, 2007; minimum, 1.7 FNU, Nov. 18, 2005, Jan. 11, 2010.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,180 microsiemens/cm, Aug. 8; minimum, 566 microsiemens/cm, Jan. 9.

pH: Maximum, 8.4 standard units, on several days; minimum, 7.6 standard units, on several days.

WATER TEMPERATURE: Maximum, 33.1°C, Aug. 4, 5, 6; minimum, 10.8°C, Feb. 4.

DISSOLVED OXYGEN: Maximum, 11.8 mg/L, Feb. 5; minimum, 3.5 mg/L, Aug. 16.

TURBIDITY: Maximum, 170 FNU, Jan. 3; minimum, 2.9 FNU, Feb. 5, 6, 13.

**08181500 Medina River at San Antonio, TX—Continued**
**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	<b>October</b>			<b>November</b>			<b>December</b>			<b>January</b>		
<b>1</b>	822	738	789	942	828	886	971	877	925	945	794	874
<b>2</b>	841	732	791	933	847	885	959	880	921	951	844	883
<b>3</b>	841	756	798	896	785	859	951	883	913	964	875	911
<b>4</b>	854	739	802	909	827	876	986	874	926	969	904	933
<b>5</b>	838	763	806	923	849	892	986	884	929	992	917	951
<b>6</b>	839	769	814	976	897	939	980	866	918	999	922	956
<b>7</b>	857	798	827	977	872	918	954	881	915	991	919	948
<b>8</b>	867	814	842	945	839	893	941	869	912	996	910	958
<b>9</b>	918	807	866	934	853	897	952	855	912	1,000	566	823
<b>10</b>	920	818	870	940	848	901	952	886	915	875	708	762
<b>11</b>	917	817	872	939	849	898	963	864	920	926	835	884
<b>12</b>	913	813	869	930	846	891	964	869	910	942	880	909
<b>13</b>	926	858	888	955	864	903	956	855	907	950	885	912
<b>14</b>	919	840	887	954	849	906	946	881	913	944	884	910
<b>15</b>	930	815	871	954	840	892	954	882	910	936	872	897
<b>16</b>	905	803	859	929	845	893	952	856	909	881	717	802
<b>17</b>	909	790	857	942	825	873	948	882	909	877	746	805
<b>18</b>	911	796	849	975	891	933	959	883	916	881	814	855
<b>19</b>	895	790	849	957	870	917	959	861	900	939	857	888
<b>20</b>	903	808	857	967	859	915	943	851	885	950	883	915
<b>21</b>	916	813	877	967	853	912	927	853	889	955	890	921
<b>22</b>	920	816	874	962	855	906	922	845	889	971	881	928
<b>23</b>	936	829	884	944	854	907	935	833	896	974	879	917
<b>24</b>	935	837	876	963	857	922	940	861	899	963	874	914
<b>25</b>	926	813	874	964	867	921	975	849	892	946	884	911
<b>26</b>	936	829	885	957	867	906	907	831	873	946	875	901
<b>27</b>	924	829	880	973	865	929	915	841	875	945	866	898
<b>28</b>	930	826	885	975	884	927	930	829	886	941	868	899
<b>29</b>	934	846	897	966	863	911	941	852	894	957	858	903
<b>30</b>	944	847	904	956	868	918	946	865	901	957	848	902
<b>31</b>	946	822	886	---	---	---	942	857	899	961	857	911
<b>Month</b>	946	732	858	977	785	904	986	829	905	1,000	566	896

**08181500 Medina River at San Antonio, TX—Continued**
**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

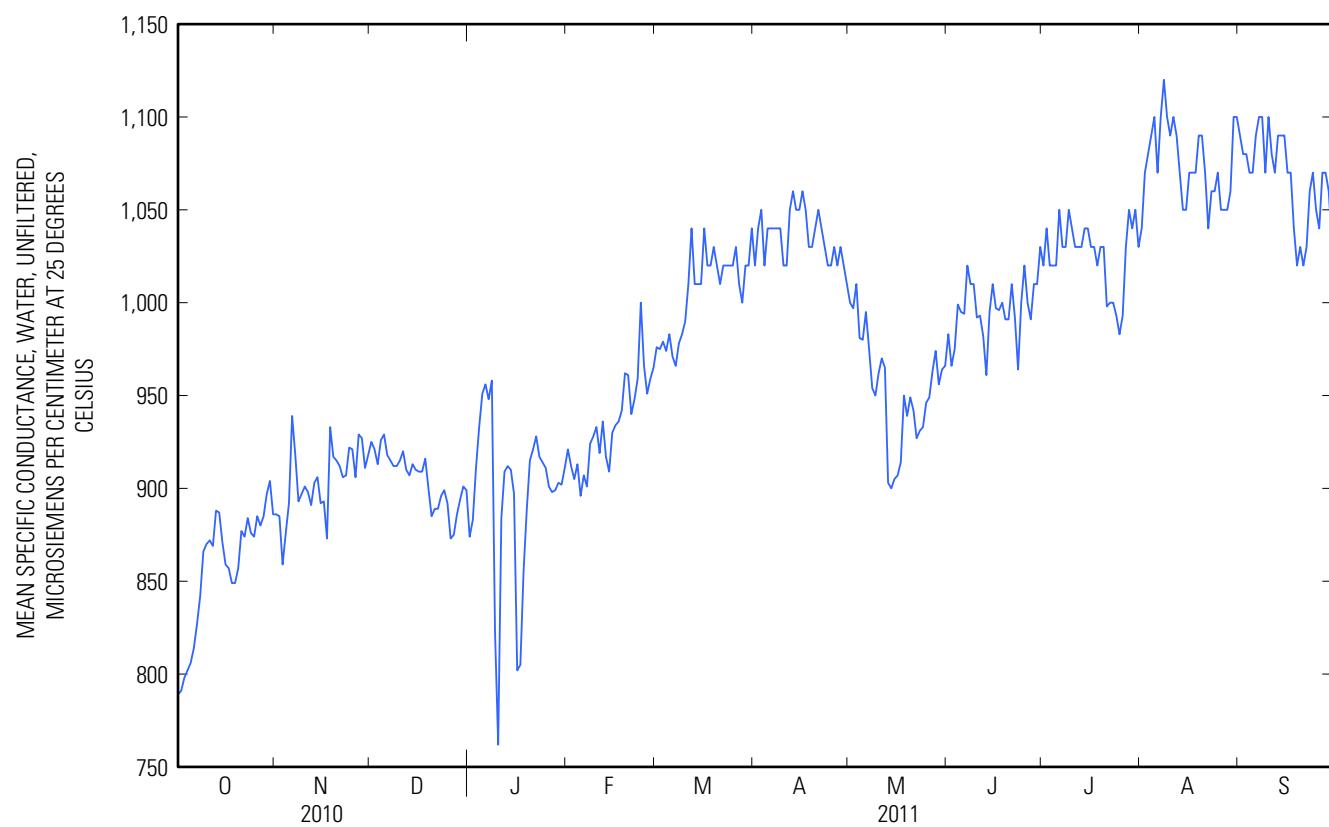
<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>
<b>February</b>				<b>March</b>				<b>April</b>				<b>May</b>
<b>1</b>	962	890	921	1,010	954	976	1,070	979	1,020	1,070	956	1,000
<b>2</b>	948	873	912	1,010	947	975	1,090	1,000	1,040	1,040	948	997
<b>3</b>	946	874	905	1,020	949	979	1,100	1,010	1,050	1,060	972	1,010
<b>4</b>	938	898	913	1,010	944	974	1,090	971	1,020	1,040	936	981
<b>5</b>	953	852	896	1,030	945	983	1,060	1,010	1,040	1,030	934	980
<b>6</b>	955	867	907	1,030	927	971	1,090	1,010	1,040	1,060	931	995
<b>7</b>	947	859	901	1,030	924	966	1,070	1,000	1,040	1,020	924	975
<b>8</b>	955	902	924	1,010	950	978	1,080	1,010	1,040	1,030	902	954
<b>9</b>	960	903	928	1,020	951	983	1,090	998	1,040	994	882	950
<b>10</b>	958	911	933	1,030	960	990	1,090	988	1,020	1,000	889	962
<b>11</b>	951	890	919	1,060	960	1,010	1,080	983	1,020	1,030	884	970
<b>12</b>	954	904	936	1,070	1,020	1,040	1,080	1,020	1,050	1,010	876	965
<b>13</b>	961	875	917	1,070	956	1,010	1,090	987	1,060	967	875	903
<b>14</b>	962	864	909	1,060	964	1,010	1,090	1,000	1,050	932	862	900
<b>15</b>	960	899	930	1,050	997	1,010	1,090	1,010	1,050	948	866	905
<b>16</b>	974	903	934	1,070	1,010	1,040	1,100	1,020	1,060	981	835	907
<b>17</b>	972	908	936	1,080	976	1,020	1,110	1,020	1,050	957	836	914
<b>18</b>	984	906	942	1,070	977	1,020	1,090	987	1,030	998	860	950
<b>19</b>	1,030	932	962	1,080	998	1,030	1,070	1,000	1,030	994	850	939
<b>20</b>	1,030	918	961	1,080	978	1,020	1,100	1,000	1,040	1,000	856	949
<b>21</b>	998	896	940	1,060	966	1,010	1,090	1,010	1,050	987	865	942
<b>22</b>	993	906	948	1,050	983	1,020	1,080	1,000	1,040	985	869	927
<b>23</b>	997	928	959	1,060	984	1,020	1,090	1,010	1,030	999	889	931
<b>24</b>	1,050	952	1,000	1,060	988	1,020	1,080	981	1,020	968	862	933
<b>25</b>	1,020	933	966	1,060	981	1,020	1,060	986	1,020	1,020	856	946
<b>26</b>	1,000	911	951	1,070	998	1,030	1,090	1,000	1,030	1,010	865	949
<b>27</b>	1,010	921	959	1,070	982	1,010	1,060	989	1,020	1,030	905	963
<b>28</b>	1,030	931	965	1,050	962	1,000	1,070	976	1,030	1,020	874	974
<b>29</b>	---	---	---	1,060	997	1,020	1,060	982	1,020	1,050	849	956
<b>30</b>	---	---	---	1,070	987	1,020	1,050	968	1,010	1,010	882	964
<b>31</b>	---	---	---	1,070	996	1,040	---	---	---	1,020	888	966
<b>Month</b>	1,050	852	935	1,080	924	1,010	1,110	968	1,040	1,070	835	953

**08181500 Medina River at San Antonio, TX—Continued**
**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>
				<b>June</b>			<b>July</b>			<b>August</b>		
<b>1</b>	1,020	908	983	1,060	977	1,020	1,080	999	1,040	1,130	1,050	1,090
<b>2</b>	1,010	868	966	1,090	992	1,040	1,100	1,040	1,070	1,140	1,030	1,080
<b>3</b>	1,010	877	975	1,090	978	1,020	1,130	1,010	1,080	1,140	1,050	1,080
<b>4</b>	1,040	936	999	1,060	963	1,020	1,160	1,040	1,090	1,150	1,020	1,070
<b>5</b>	1,050	952	995	1,080	978	1,020	1,160	1,040	1,100	1,110	1,040	1,070
<b>6</b>	1,080	907	994	1,100	1,000	1,050	1,120	1,040	1,070	1,170	1,020	1,090
<b>7</b>	1,070	923	1,020	1,080	979	1,030	1,130	1,060	1,100	1,170	1,030	1,100
<b>8</b>	1,070	911	1,010	1,070	964	1,030	1,180	1,060	1,120	1,170	1,050	1,100
<b>9</b>	1,080	919	1,010	1,100	977	1,050	1,140	1,080	1,100	1,110	1,040	1,070
<b>10</b>	1,050	888	992	1,100	992	1,040	1,130	1,060	1,090	1,130	1,050	1,100
<b>11</b>	1,060	894	993	1,100	974	1,030	1,140	1,060	1,100	1,140	1,040	1,080
<b>12</b>	1,050	895	982	1,080	1,000	1,030	1,130	1,040	1,090	1,130	1,010	1,070
<b>13</b>	1,020	867	961	1,070	956	1,030	1,120	1,040	1,070	1,120	1,050	1,090
<b>14</b>	1,040	893	995	1,100	992	1,040	1,100	1,010	1,050	1,130	1,060	1,090
<b>15</b>	1,050	953	1,010	1,090	1,000	1,040	1,100	1,000	1,050	1,150	1,050	1,090
<b>16</b>	1,100	898	997	1,090	971	1,030	1,110	1,030	1,070	1,100	1,050	1,070
<b>17</b>	1,060	920	996	1,100	976	1,030	1,130	1,020	1,070	1,100	997	1,070
<b>18</b>	1,050	955	1,000	1,080	979	1,020	1,110	1,040	1,070	1,080	991	1,040
<b>19</b>	1,050	949	991	1,090	971	1,030	1,120	1,060	1,090	1,060	965	1,020
<b>20</b>	1,030	935	991	1,090	986	1,030	1,130	1,050	1,090	1,070	998	1,030
<b>21</b>	1,060	951	1,010	1,030	948	998	1,140	1,020	1,070	1,060	988	1,020
<b>22</b>	1,060	934	992	1,050	961	1,000	1,110	988	1,040	1,080	977	1,030
<b>23</b>	1,010	880	964	1,060	930	1,000	1,100	1,030	1,060	1,090	1,030	1,060
<b>24</b>	1,050	978	1,000	1,050	930	993	1,110	1,020	1,060	1,120	1,030	1,070
<b>25</b>	1,070	960	1,020	1,030	928	983	1,110	1,020	1,070	1,100	1,000	1,050
<b>26</b>	1,070	944	1,000	1,030	917	993	1,100	1,020	1,050	1,090	990	1,040
<b>27</b>	1,050	938	991	1,070	964	1,030	1,080	989	1,050	1,110	1,000	1,070
<b>28</b>	1,070	948	1,010	1,110	986	1,050	1,110	986	1,050	1,110	1,000	1,070
<b>29</b>	1,070	958	1,010	1,100	971	1,040	1,120	1,020	1,060	1,100	997	1,060
<b>30</b>	1,060	979	1,030	1,110	1,010	1,050	1,140	1,060	1,100	1,060	992	1,030
<b>31</b>	---	---	---	1,090	988	1,030	1,140	1,050	1,100	---	---	---
<b>Month</b>	1,100	867	996	1,110	917	1,030	1,180	986	1,070	1,170	965	1,070

	<b>Max</b>	<b>Min</b>	<b>Mean</b>
<b>Year</b>	1,180	566	971

**08181500 Medina River at San Antonio, TX—Continued**



**08181500 Medina River at San Antonio, TX—Continued****PH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	
<b>October</b>				<b>November</b>				<b>December</b>				<b>January</b>	
<b>1</b>	8.1	8.0	8.1	8.0	7.9	8.0	8.1	8.0	8.1	8.2	8.0	8.1	
<b>2</b>	8.2	8.1	8.1	8.0	7.9	7.9	8.1	8.0	8.1	8.1	8.0	8.0	
<b>3</b>	8.2	8.1	8.1	7.9	7.9	7.9	8.2	8.1	8.1	8.0	7.9	8.0	
<b>4</b>	8.1	8.0	8.1	7.9	7.9	7.9	8.2	8.0	8.1	8.0	7.9	7.9	
<b>5</b>	8.1	8.1	8.1	8.0	7.9	7.9	8.2	8.0	8.1	8.1	8.0	8.0	
<b>6</b>	8.1	7.9	8.0	8.0	7.9	7.9	8.2	8.0	8.1	8.1	8.0	8.0	
<b>7</b>	8.0	7.9	8.0	8.0	7.9	7.9	8.1	8.0	8.0	8.1	8.0	8.1	
<b>8</b>	8.0	8.0	8.0	8.0	7.9	7.9	8.1	8.0	8.1	8.2	8.0	8.1	
<b>9</b>	8.0	7.9	8.0	8.0	7.9	7.9	8.2	8.0	8.1	8.1	8.0	8.0	
<b>10</b>	8.0	7.9	8.0	8.0	7.9	7.9	8.2	8.0	8.1	8.1	8.0	8.0	
<b>11</b>	8.0	7.9	7.9	8.0	7.9	8.0	8.2	8.0	8.1	8.1	8.0	8.0	
<b>12</b>	8.0	7.9	8.0	8.0	7.9	8.0	8.2	8.0	8.1	8.1	8.0	8.0	
<b>13</b>	8.0	8.0	8.0	8.0	8.0	8.0	8.2	8.0	8.1	8.0	7.9	8.0	
<b>14</b>	8.0	8.0	8.0	8.1	7.9	8.0	8.2	8.0	8.1	8.0	7.9	8.0	
<b>15</b>	8.1	8.0	8.0	8.0	7.9	8.0	8.2	8.0	8.1	8.0	7.9	8.0	
<b>16</b>	8.1	8.0	8.0	8.1	7.9	8.0	8.2	8.0	8.1	8.0	7.9	8.0	
<b>17</b>	8.1	7.9	8.0	8.1	8.0	8.0	8.2	8.0	8.1	8.0	7.9	8.0	
<b>18</b>	8.0	7.9	8.0	8.1	8.0	8.0	8.2	8.0	8.1	8.0	7.9	8.0	
<b>19</b>	8.0	8.0	8.0	8.1	8.0	8.0	8.2	8.0	8.1	8.0	7.9	8.0	
<b>20</b>	8.0	7.9	8.0	8.1	8.0	8.0	8.2	8.0	8.1	8.0	7.9	7.9	
<b>21</b>	8.0	7.9	8.0	8.1	7.9	8.0	8.2	8.0	8.1	8.0	7.8	7.9	
<b>22</b>	8.0	7.9	8.0	8.0	7.9	8.0	8.1	8.0	8.1	8.0	7.9	7.9	
<b>23</b>	8.0	7.9	7.9	8.0	7.9	8.0	8.2	8.0	8.0	8.0	7.9	7.9	
<b>24</b>	8.0	7.9	8.0	8.0	7.9	8.0	8.2	8.0	8.0	8.0	7.9	7.9	
<b>25</b>	8.0	7.9	7.9	8.0	7.9	8.0	8.2	7.9	8.1	8.1	7.9	8.0	
<b>26</b>	8.0	7.9	7.9	8.1	8.0	8.0	8.3	8.1	8.1	8.1	8.0	8.1	
<b>27</b>	8.0	7.9	8.0	8.1	8.0	8.0	8.2	8.1	8.1	8.1	8.0	8.1	
<b>28</b>	8.0	7.9	8.0	8.1	8.0	8.0	8.2	8.0	8.1	8.1	8.0	8.0	
<b>29</b>	8.0	7.9	8.0	8.1	8.0	8.0	8.1	8.0	8.0	8.2	8.0	8.0	
<b>30</b>	8.1	7.9	8.0	8.1	8.0	8.0	8.1	8.0	8.0	8.1	7.9	8.0	
<b>31</b>	8.1	7.9	8.0	---	---	---	8.1	8.0	8.0	8.0	7.9	7.9	
<b>Max</b>	8.2	8.1	8.1	8.1	8.0	8.0	8.3	8.1	8.1	8.2	8.0	8.1	
<b>Min</b>	8.0	7.9	7.9	7.9	7.9	7.9	8.1	7.9	8.0	8.0	7.8	7.9	

**08181500 Medina River at San Antonio, TX—Continued****PH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>
<b>February</b>				<b>March</b>				<b>April</b>				<b>May</b>
<b>1</b>	8.1	7.9	8.0	8.1	7.9	8.0	8.0	7.8	7.9	8.0	7.9	7.9
<b>2</b>	8.2	8.0	8.1	8.1	7.9	8.0	8.1	7.8	7.8	8.0	7.9	7.9
<b>3</b>	8.2	8.0	8.1	8.1	7.9	8.0	8.0	7.8	7.9	8.1	7.9	8.0
<b>4</b>	8.3	8.1	8.2	8.1	7.9	8.0	8.0	7.8	7.9	8.1	7.9	8.0
<b>5</b>	8.4	8.1	8.2	8.2	8.0	8.0	8.1	7.8	7.9	8.1	7.9	8.0
<b>6</b>	8.4	8.1	8.2	8.2	8.0	8.0	8.0	7.8	7.8	8.0	7.9	8.0
<b>7</b>	8.3	8.1	8.2	8.2	7.9	8.0	8.0	7.8	7.8	8.1	7.9	8.0
<b>8</b>	8.3	8.1	8.2	8.1	7.9	8.0	8.1	7.8	7.8	8.1	7.9	8.0
<b>9</b>	8.3	8.1	8.2	8.2	7.9	8.0	8.2	7.8	7.8	8.1	7.9	8.0
<b>10</b>	8.3	8.1	8.2	8.2	7.9	8.0	8.2	7.8	7.8	8.1	7.9	8.0
<b>11</b>	8.4	8.1	8.2	8.3	8.0	8.0	8.0	7.8	7.9	8.1	7.9	8.0
<b>12</b>	8.4	8.0	8.2	8.3	8.0	8.0	8.1	7.8	7.9	8.0	7.8	7.9
<b>13</b>	8.4	8.0	8.2	8.2	7.9	8.0	8.1	7.8	7.9	8.0	7.8	7.9
<b>14</b>	8.4	8.1	8.2	8.2	7.9	8.0	8.0	7.8	7.9	8.1	7.9	8.0
<b>15</b>	8.3	8.1	8.2	8.1	7.9	8.0	8.2	7.8	7.9	8.2	7.9	8.0
<b>16</b>	8.3	8.1	8.2	8.1	7.8	7.9	8.2	7.8	7.9	8.1	7.9	8.0
<b>17</b>	8.2	8.0	8.1	8.1	7.8	7.9	8.2	7.8	7.9	8.2	8.0	8.0
<b>18</b>	8.2	8.0	8.1	8.1	7.8	7.9	8.0	7.8	7.9	8.1	7.9	8.0
<b>19</b>	8.0	7.9	7.9	8.0	7.8	7.9	8.0	7.8	7.9	8.1	7.9	8.0
<b>20</b>	8.1	7.9	7.9	8.0	7.8	7.9	8.0	7.8	7.9	8.1	7.9	7.9
<b>21</b>	7.9	7.9	7.9	8.0	7.8	7.9	8.0	7.8	7.9	8.1	7.9	7.9
<b>22</b>	8.0	7.8	7.9	8.0	7.8	7.9	8.1	7.8	7.9	8.2	7.9	8.0
<b>23</b>	8.0	7.9	7.9	8.0	7.8	7.9	8.0	7.7	7.8	8.1	7.9	8.0
<b>24</b>	8.0	7.9	7.9	8.0	7.8	7.9	8.0	7.6	7.8	8.1	7.9	8.0
<b>25</b>	8.1	7.9	8.0	8.1	7.8	7.8	8.0	7.7	7.9	8.1	7.9	8.1
<b>26</b>	8.1	7.9	8.0	8.1	7.8	7.9	8.1	7.8	7.9	8.2	7.9	8.0
<b>27</b>	8.0	7.9	7.9	8.1	7.8	7.9	8.1	7.9	8.0	8.2	7.9	8.0
<b>28</b>	8.0	7.9	8.0	8.0	7.8	7.9	8.1	7.9	8.0	8.2	7.9	8.0
<b>29</b>	---	---	---	8.0	7.9	7.9	8.1	7.9	8.0	8.2	7.9	8.0
<b>30</b>	---	---	---	8.0	7.8	7.9	8.0	7.9	7.9	8.2	7.9	8.0
<b>31</b>	---	---	---	8.0	7.8	7.9	---	---	---	8.1	7.9	8.0
<b>Max</b>	8.4	8.1	8.2	8.3	8.0	8.0	8.2	7.9	8.0	8.2	8.0	8.1
<b>Min</b>	7.9	7.8	7.9	8.0	7.8	7.8	8.0	7.6	7.8	8.0	7.8	7.9

**08181500 Medina River at San Antonio, TX—Continued****PH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	
<b>June</b>				<b>July</b>				<b>August</b>				<b>September</b>	
<b>1</b>	8.1	7.9	8.0	7.9	7.7	7.8	8.1	7.9	7.9	8.0	7.8	7.9	
<b>2</b>	8.2	7.9	8.0	8.1	7.8	7.9	8.1	7.9	7.9	8.0	7.7	7.8	
<b>3</b>	8.2	7.9	8.0	8.1	7.8	7.9	8.1	7.9	7.9	7.9	7.6	7.7	
<b>4</b>	8.1	7.9	8.0	8.1	7.8	7.9	8.0	7.8	7.9	8.1	7.6	7.8	
<b>5</b>	8.1	7.9	8.0	8.1	7.9	7.9	8.1	7.8	7.9	8.1	7.8	7.9	
<b>6</b>	8.2	7.9	8.0	8.0	7.8	7.9	8.1	7.8	7.9	8.1	7.7	7.8	
<b>7</b>	8.1	7.9	8.0	8.2	7.9	8.0	8.1	7.9	7.9	7.9	7.6	7.8	
<b>8</b>	8.2	8.0	8.0	8.3	7.9	8.0	8.0	7.8	7.9	8.1	7.8	8.0	
<b>9</b>	8.2	7.9	8.0	8.2	7.9	8.0	8.0	7.8	7.9	8.1	8.0	8.1	
<b>10</b>	8.2	7.9	8.0	8.1	7.9	8.0	8.2	7.8	8.1	8.3	7.9	8.0	
<b>11</b>	8.2	7.9	8.0	8.1	7.9	8.0	8.2	8.0	8.1	8.1	7.8	7.9	
<b>12</b>	8.2	7.9	8.0	8.2	7.9	8.0	8.2	8.0	8.1	8.0	7.8	7.9	
<b>13</b>	8.2	7.9	8.0	8.2	7.9	8.0	8.3	8.0	8.0	8.1	7.9	7.9	
<b>14</b>	8.2	7.9	8.0	8.1	7.9	8.0	8.1	7.9	8.0	8.0	7.8	7.9	
<b>15</b>	8.1	7.9	8.0	8.1	8.0	8.0	8.0	7.8	7.9	8.0	7.8	7.9	
<b>16</b>	8.1	7.9	8.0	8.2	7.9	8.0	8.1	7.8	7.9	8.1	7.8	7.9	
<b>17</b>	8.2	7.9	8.0	8.2	7.9	8.0	8.1	7.8	8.0	7.9	7.7	7.8	
<b>18</b>	8.3	7.9	8.0	8.1	7.9	8.0	8.3	7.9	8.0	7.9	7.7	7.8	
<b>19</b>	8.2	7.9	8.0	8.2	8.0	8.0	8.3	8.0	8.0	7.8	7.7	7.7	
<b>20</b>	8.2	7.9	8.0	8.2	8.0	8.0	8.3	8.0	8.1	7.8	7.7	7.7	
<b>21</b>	8.1	7.9	8.0	8.2	8.0	8.1	8.3	8.0	8.1	7.8	7.6	7.7	
<b>22</b>	8.1	7.9	8.0	8.2	8.0	8.0	8.2	7.9	8.0	7.7	7.6	7.6	
<b>23</b>	8.0	7.8	7.9	8.2	8.0	8.0	8.1	7.9	8.0	8.0	7.6	7.8	
<b>24</b>	8.1	7.8	7.9	8.2	8.0	8.0	8.1	7.9	8.0	8.0	7.8	7.9	
<b>25</b>	8.1	7.9	7.9	8.1	7.9	8.0	8.1	7.8	7.9	8.0	7.8	7.9	
<b>26</b>	8.1	7.8	7.9	8.2	8.0	8.0	8.1	7.9	8.0	7.9	7.8	7.9	
<b>27</b>	8.0	7.8	7.9	8.3	8.0	8.0	8.1	7.8	7.9	8.0	7.8	7.9	
<b>28</b>	8.0	7.8	7.9	8.3	8.0	8.1	8.0	7.8	7.9	8.0	7.8	7.9	
<b>29</b>	8.0	7.8	7.9	8.2	8.0	8.1	8.0	7.8	7.9	8.0	7.8	7.8	
<b>30</b>	8.0	7.8	7.8	8.2	7.9	8.0	8.0	7.8	7.9	7.9	7.8	7.9	
<b>31</b>	---	---	---	8.1	7.9	7.9	8.0	7.8	7.9	---	---	---	
<b>Max</b>	8.3	8.0	8.0	8.3	8.0	8.1	8.3	8.0	8.1	8.3	8.0	8.1	
<b>Min</b>	8.0	7.8	7.8	7.9	7.7	7.8	8.0	7.8	7.9	7.7	7.6	7.6	

	<b>Max</b>	<b>Min</b>	<b>Median</b>
<b>Year Maximum</b>	8.4	8.1	8.2
<b>Year Minimum</b>	7.7	7.6	7.6

**08181500 Medina River at San Antonio, TX—Continued**

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	
<b>October</b>				<b>November</b>				<b>December</b>				<b>January</b>	
<b>1</b>	26.0	23.9	25.1	23.9	20.8	22.5	18.1	15.8	17.4	18.7	16.0	17.4	
<b>2</b>	25.6	23.7	24.8	23.4	20.9	22.1	18.5	15.3	17.3	17.7	15.3	16.7	
<b>3</b>	25.0	23.3	24.3	21.9	19.9	21.2	19.4	16.4	17.8	17.8	15.1	16.7	
<b>4</b>	24.5	22.4	23.7	21.6	19.2	20.6	20.3	17.5	18.8	18.5	16.5	17.7	
<b>5</b>	23.9	21.7	23.0	20.7	17.8	19.6	19.8	17.1	18.3	19.3	17.3	18.3	
<b>6</b>	23.9	21.4	22.8	20.3	17.0	18.8	18.4	15.3	17.2	18.4	16.0	17.5	
<b>7</b>	23.7	21.3	22.6	20.3	17.0	18.8	17.7	15.1	16.7	18.2	15.2	17.0	
<b>8</b>	23.8	21.3	22.6	20.7	17.5	19.4	17.7	14.9	16.6	18.0	14.9	16.8	
<b>9</b>	24.3	21.4	23.0	21.4	18.1	19.9	17.3	13.8	16.1	17.4	13.8	15.6	
<b>10</b>	24.7	22.3	23.5	22.1	18.8	20.6	18.2	15.0	16.7	15.5	13.8	14.9	
<b>11</b>	25.0	23.0	24.0	22.3	20.3	21.4	18.5	15.2	17.1	15.5	13.0	14.7	
<b>12</b>	25.6	23.0	24.4	23.1	20.6	22.0	17.9	15.0	16.5	15.3	13.1	14.4	
<b>13</b>	25.0	22.9	24.0	22.2	20.4	21.4	17.0	13.4	15.9	14.8	12.7	14.1	
<b>14</b>	24.4	22.2	23.4	21.3	19.4	20.5	17.0	13.9	15.8	15.1	12.9	14.3	
<b>15</b>	23.6	20.8	22.5	21.3	18.8	20.3	18.3	15.3	16.7	16.3	14.0	15.0	
<b>16</b>	23.4	20.7	22.1	20.6	18.0	19.6	18.2	15.3	17.1	15.6	13.1	14.7	
<b>17</b>	23.9	20.9	22.5	20.4	17.3	19.0	17.6	15.4	16.7	15.9	13.2	14.9	
<b>18</b>	24.3	21.7	23.2	20.1	17.5	19.1	17.3	14.6	16.1	17.3	14.7	16.0	
<b>19</b>	24.5	22.1	23.5	19.6	16.4	18.4	17.1	14.0	15.6	17.7	15.0	16.5	
<b>20</b>	24.8	22.6	24.0	20.8	16.9	19.0	18.2	15.2	16.6	17.6	16.1	16.8	
<b>21</b>	25.1	22.9	24.2	22.1	19.1	20.7	19.0	16.3	17.8	16.6	14.1	15.7	
<b>22</b>	25.4	23.4	24.6	22.9	20.4	21.9	19.6	17.3	18.5	16.7	12.8	15.2	
<b>23</b>	25.4	23.9	24.7	23.3	21.1	22.5	19.8	17.2	18.8	16.9	13.4	15.4	
<b>24</b>	25.8	24.0	24.9	23.8	21.6	23.0	20.0	18.5	19.2	17.3	13.7	16.1	
<b>25</b>	26.0	23.8	25.1	24.3	22.0	23.2	19.7	16.3	17.3	16.5	14.1	15.6	
<b>26</b>	25.9	24.0	25.0	22.0	19.3	20.3	16.9	13.9	15.7	16.6	13.7	15.3	
<b>27</b>	25.2	23.3	24.3	19.8	16.6	18.3	16.8	13.5	15.3	17.0	13.8	15.6	
<b>28</b>	24.6	22.6	23.6	19.8	16.6	18.2	17.8	14.6	16.5	17.4	14.3	16.1	
<b>29</b>	23.0	20.3	21.8	21.2	18.2	19.9	18.8	16.1	17.6	18.8	15.7	17.1	
<b>30</b>	22.1	18.9	20.7	20.4	17.5	19.1	19.3	17.1	18.2	19.8	16.7	18.4	
<b>31</b>	22.6	19.2	21.0	---	---	---	19.3	17.9	18.6	20.3	17.4	19.1	
<b>Month</b>	26.0	18.9	23.5	24.3	16.4	20.4	20.3	13.4	17.1	20.3	12.7	16.1	

**08181500 Medina River at San Antonio, TX—Continued**
**TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>
<b>February</b>				<b>March</b>				<b>April</b>				<b>May</b>
<b>1</b>	20.0	16.7	18.4	21.9	19.4	20.8	25.5	21.9	23.7	28.2	25.5	26.5
<b>2</b>	16.7	13.6	14.8	21.8	18.9	20.4	25.9	23.5	24.4	25.8	23.2	24.0
<b>3</b>	14.3	11.9	13.1	22.2	19.5	20.9	25.9	23.9	24.7	24.4	21.3	22.9
<b>4</b>	14.2	10.8	12.9	22.5	20.5	21.4	26.1	24.1	24.9	24.4	20.8	22.5
<b>5</b>	14.8	11.3	13.2	22.4	20.5	21.5	24.8	21.8	23.3	25.4	21.1	23.2
<b>6</b>	16.1	12.1	14.2	21.3	18.5	20.0	25.0	21.4	23.2	25.7	22.3	24.1
<b>7</b>	16.4	13.0	14.9	21.6	18.6	20.3	25.8	22.8	24.1	27.1	23.7	25.0
<b>8</b>	16.5	13.0	15.1	23.2	20.4	21.6	27.0	24.4	25.5	28.3	24.7	26.2
<b>9</b>	16.5	13.9	15.3	23.1	20.8	21.9	27.6	24.8	25.9	28.2	26.0	26.9
<b>10</b>	15.2	12.2	14.0	22.1	19.3	20.8	27.9	25.2	26.2	27.6	26.0	26.7
<b>11</b>	15.2	11.8	13.9	22.1	18.7	20.4	27.2	25.1	26.0	27.7	25.8	26.7
<b>12</b>	16.1	12.3	14.3	23.1	19.9	21.3	26.4	23.2	24.7	26.7	25.2	26.1
<b>13</b>	16.9	12.6	14.8	22.8	21.0	21.8	26.1	23.0	24.4	27.3	24.1	25.6
<b>14</b>	17.9	14.2	16.3	23.8	21.5	22.5	26.5	23.8	25.1	27.2	24.5	25.6
<b>15</b>	19.3	16.3	17.9	23.2	20.5	21.9	26.8	24.1	25.3	26.2	23.6	24.8
<b>16</b>	19.7	17.4	18.7	23.9	21.4	22.6	25.5	22.5	24.0	27.0	23.3	25.0
<b>17</b>	20.8	18.5	19.6	24.6	22.3	23.3	25.2	21.9	23.7	27.3	23.9	25.4
<b>18</b>	21.4	19.3	20.4	25.1	22.5	23.6	27.1	23.8	25.1	27.2	24.8	25.9
<b>19</b>	21.4	19.5	20.5	24.5	23.0	23.6	27.4	25.0	26.1	27.0	25.4	26.2
<b>20</b>	21.9	19.7	20.7	24.0	22.6	23.3	27.0	25.7	26.3	27.9	26.0	26.8
<b>21</b>	22.1	20.1	21.3	24.7	22.7	23.5	27.4	25.8	26.4	28.3	26.4	27.2
<b>22</b>	21.3	19.5	20.5	25.1	22.9	23.8	28.4	25.5	26.7	29.4	26.8	27.8
<b>23</b>	22.0	20.2	21.0	25.7	23.1	24.2	28.3	26.0	26.9	28.4	27.1	27.8
<b>24</b>	22.8	20.7	21.7	25.7	23.5	24.5	27.7	26.0	26.8	29.8	27.2	28.2
<b>25</b>	21.9	19.4	20.6	25.7	23.7	24.5	28.1	26.0	26.8	30.4	27.7	28.8
<b>26</b>	22.0	19.3	20.7	26.1	23.9	24.8	28.8	26.0	27.2	30.6	27.8	28.9
<b>27</b>	23.4	20.8	22.0	25.9	24.1	24.9	28.2	26.1	27.0	31.1	27.8	29.0
<b>28</b>	22.9	20.8	22.0	24.6	22.4	23.4	27.3	24.3	25.6	31.3	27.9	29.1
<b>29</b>	---	---	---	23.6	22.4	23.1	27.0	23.6	25.1	31.4	28.0	29.1
<b>30</b>	---	---	---	23.4	21.4	22.6	27.4	24.6	25.6	30.9	27.9	29.0
<b>31</b>	---	---	---	24.2	21.0	22.6	---	---	---	30.6	28.1	29.1
<b>Month</b>	23.4	10.8	17.6	26.1	18.5	22.4	28.8	21.4	25.4	31.4	20.8	26.5

Water-Data Report 2011

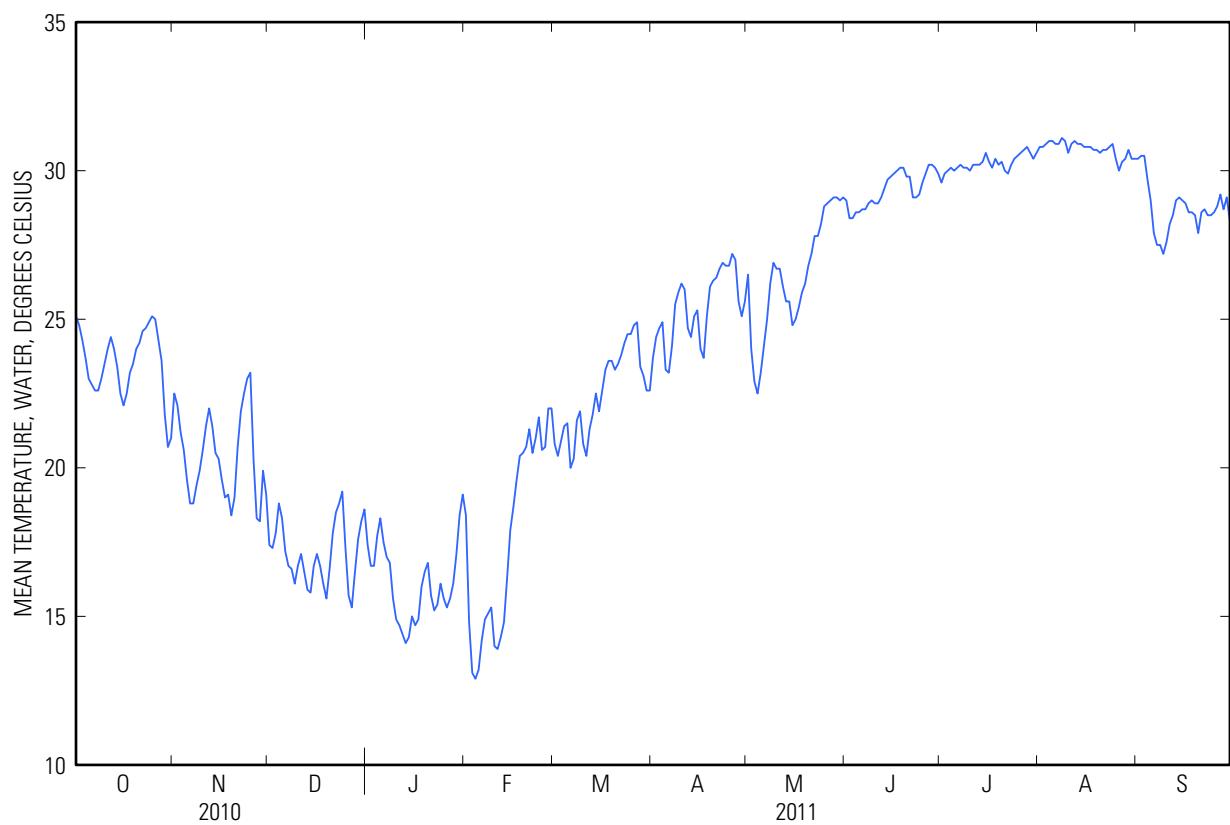
**08181500 Medina River at San Antonio, TX—Continued**

**TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	30.5	28.0	29.0	30.7	28.8	29.6	32.5	29.6	30.8	32.2	29.3	30.4
2	30.2	27.0	28.4	31.7	28.8	29.9	33.0	29.7	30.8	31.7	29.5	30.5
3	30.2	27.0	28.4	31.9	28.9	30.0	32.9	29.7	30.9	32.1	29.4	30.5
4	30.3	27.4	28.6	32.0	28.8	30.1	33.1	29.8	31.0	31.3	28.5	29.7
5	30.7	27.2	28.6	32.0	28.8	30.0	33.1	29.8	31.0	30.4	27.9	29.0
6	30.4	27.2	28.7	31.9	29.0	30.1	33.1	29.8	30.9	29.5	26.5	27.9
7	30.8	27.4	28.7	31.8	29.1	30.2	32.9	29.9	30.9	29.7	25.8	27.5
8	30.9	27.7	28.9	32.1	29.0	30.1	33.0	30.0	31.1	29.1	26.1	27.5
9	31.0	27.8	29.0	31.8	29.1	30.1	32.7	30.0	31.0	29.3	25.4	27.2
10	30.9	27.7	28.9	31.6	29.2	30.0	31.7	29.9	30.6	29.5	26.1	27.6
11	30.8	27.8	28.9	31.5	29.3	30.2	32.6	29.9	30.9	29.9	26.7	28.2
12	31.4	27.8	29.1	31.8	29.3	30.2	32.6	30.1	31.0	30.2	26.9	28.5
13	31.7	28.1	29.4	31.9	29.2	30.2	32.3	30.1	30.9	30.7	28.1	29.0
14	31.6	28.4	29.7	32.0	29.3	30.3	32.6	29.9	30.9	30.8	27.8	29.1
15	32.0	28.5	29.8	32.3	29.5	30.6	32.5	29.7	30.8	30.2	28.2	29.0
16	32.0	28.7	29.9	31.4	29.6	30.3	32.7	29.7	30.8	30.1	27.9	28.9
17	32.3	28.9	30.0	31.8	29.1	30.1	32.4	29.8	30.8	29.2	27.5	28.6
18	32.2	28.8	30.1	32.2	29.3	30.4	32.5	29.5	30.7	30.4	27.2	28.6
19	32.0	29.1	30.1	32.0	29.3	30.2	32.5	29.6	30.7	29.6	27.1	28.5
20	31.5	28.8	29.8	32.2	29.3	30.3	32.2	29.5	30.6	29.4	26.4	27.9
21	31.3	29.1	29.8	31.8	29.0	30.0	32.3	29.6	30.7	29.8	27.2	28.6
22	29.9	28.2	29.1	31.2	29.3	29.9	32.1	29.7	30.7	29.9	27.2	28.7
23	30.4	28.0	29.1	32.2	29.2	30.2	32.5	29.7	30.8	29.8	27.3	28.5
24	30.8	28.1	29.2	32.6	29.3	30.4	32.4	29.8	30.9	30.0	27.4	28.5
25	31.0	28.8	29.6	32.4	29.3	30.5	30.9	29.9	30.4	30.0	27.3	28.6
26	31.9	28.8	29.9	32.2	29.4	30.6	31.5	28.6	30.0	30.5	27.4	28.8
27	31.7	29.1	30.2	32.6	29.4	30.7	32.0	29.1	30.3	30.7	28.0	29.2
28	31.7	29.3	30.2	32.7	29.8	30.8	32.3	29.1	30.4	30.0	27.5	28.7
29	31.7	29.0	30.1	32.1	29.7	30.6	32.2	29.7	30.7	30.4	28.4	29.1
30	31.6	28.7	29.9	31.7	29.6	30.4	32.0	29.3	30.4	29.4	27.5	28.3
31	---	---	---	32.2	29.7	30.6	31.9	29.5	30.4	---	---	---
<strong>Month</strong>	32.3	27.0	29.4	32.7	28.8	30.2	33.1	28.6	30.7	32.2	25.4	28.7

	<b>Max</b>	<b>Min</b>	<b>Mean</b>
<b>Year</b>	33.1	10.8	24.0

**08181500 Medina River at San Antonio, TX—Continued**



**08181500 Medina River at San Antonio, TX—Continued**
**DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

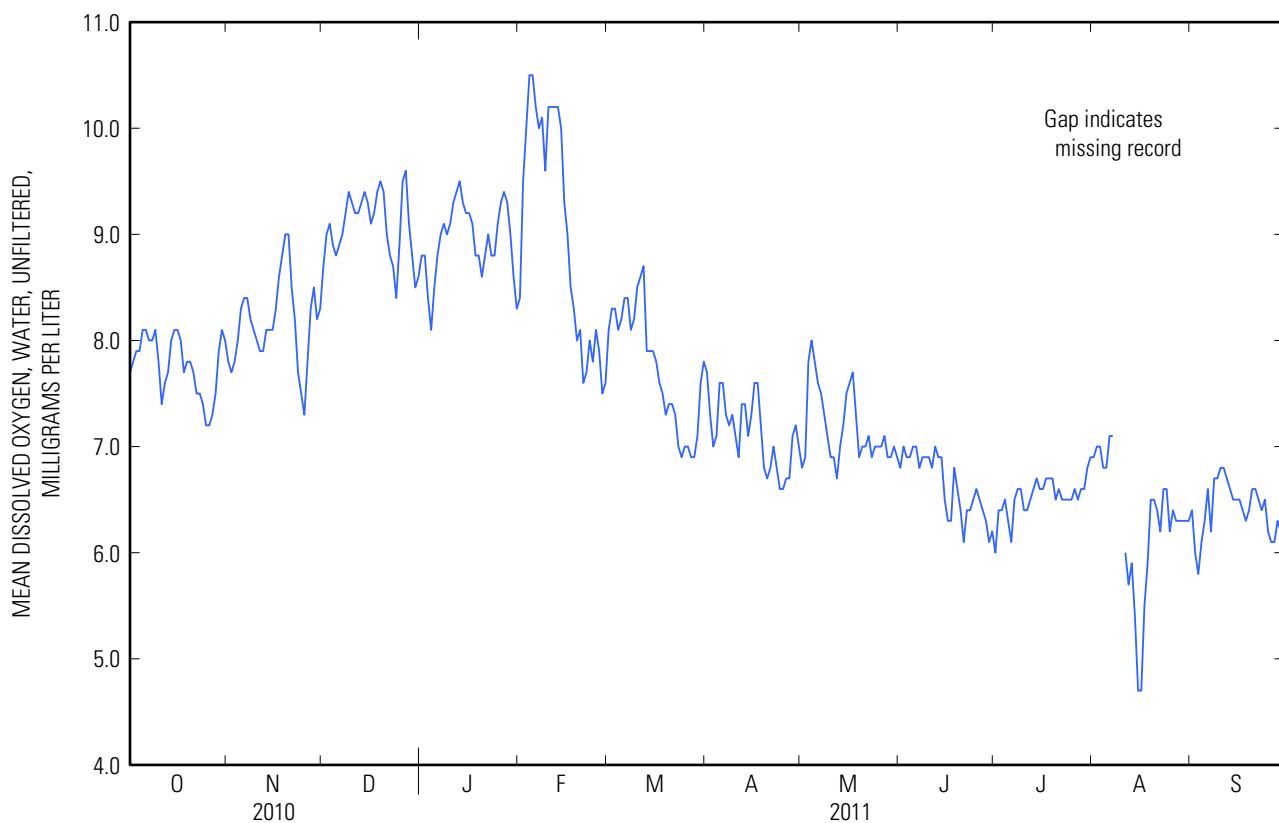
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
<b>October</b>				<b>November</b>				<b>December</b>				<b>January</b>
<b>1</b>	8.3	7.5	7.7	8.2	7.5	7.8	9.4	8.1	8.7	10.1	8.1	8.8
<b>2</b>	8.6	7.5	7.8	8.0	7.1	7.7	9.6	8.6	9.0	9.7	8.2	8.8
<b>3</b>	8.6	7.6	7.9	8.1	7.5	7.8	9.7	8.6	9.1	9.1	8.1	8.4
<b>4</b>	8.4	7.7	7.9	8.5	7.7	8.0	9.8	8.4	8.9	8.7	7.8	8.1
<b>5</b>	8.7	7.8	8.1	8.7	8.0	8.3	9.7	8.2	8.8	9.2	7.9	8.5
<b>6</b>	8.6	7.8	8.1	8.8	8.2	8.4	9.5	8.4	8.9	9.7	8.2	8.8
<b>7</b>	8.6	7.7	8.0	8.8	8.3	8.4	9.6	8.5	9.0	9.8	8.4	9.0
<b>8</b>	8.6	7.7	8.0	8.6	8.0	8.2	10.0	8.6	9.2	10.0	8.5	9.1
<b>9</b>	8.7	7.8	8.1	8.5	7.7	8.1	10.2	8.8	9.4	9.5	8.4	9.0
<b>10</b>	8.5	7.3	7.8	8.3	7.8	8.0	9.9	8.7	9.3	9.3	9.0	9.1
<b>11</b>	8.0	7.1	7.4	8.4	7.7	7.9	10.2	8.6	9.2	9.9	8.9	9.3
<b>12</b>	8.3	7.1	7.6	8.3	7.6	7.9	10.2	8.6	9.2	9.7	9.2	9.4
<b>13</b>	8.4	7.3	7.7	8.6	7.6	8.1	10.1	8.7	9.3	10.0	9.2	9.5
<b>14</b>	8.7	7.5	8.0	8.6	7.7	8.1	10.3	8.8	9.4	9.6	9.1	9.3
<b>15</b>	8.9	7.7	8.1	8.6	7.7	8.1	10.0	8.7	9.3	9.6	8.9	9.2
<b>16</b>	9.0	7.7	8.1	8.8	7.9	8.3	9.9	8.5	9.1	9.5	9.0	9.2
<b>17</b>	8.9	7.7	8.0	9.1	8.3	8.6	9.9	8.5	9.2	9.4	8.9	9.1
<b>18</b>	8.3	7.4	7.7	9.4	8.3	8.8	10.6	8.8	9.4	9.1	8.6	8.8
<b>19</b>	8.6	7.3	7.8	9.7	8.5	9.0	10.7	8.7	9.5	9.2	8.5	8.8
<b>20</b>	8.5	7.4	7.8	9.7	8.6	9.0	10.4	8.8	9.4	9.1	8.3	8.6
<b>21</b>	8.4	7.4	7.7	9.1	8.1	8.5	9.9	8.5	9.0	9.3	8.4	8.8
<b>22</b>	8.2	7.2	7.5	8.9	7.7	8.2	9.6	8.1	8.8	9.7	8.7	9.0
<b>23</b>	8.2	7.1	7.5	8.3	7.3	7.7	9.4	8.1	8.7	9.2	8.5	8.8
<b>24</b>	8.1	7.0	7.4	8.3	7.0	7.5	9.4	7.9	8.4	9.4	8.3	8.8
<b>25</b>	7.8	6.9	7.2	8.0	6.7	7.3	10.0	7.9	8.9	9.9	8.5	9.1
<b>26</b>	7.8	6.8	7.2	8.7	7.1	7.8	10.5	8.9	9.5	10.1	8.7	9.3
<b>27</b>	8.1	7.0	7.3	9.1	7.8	8.3	10.5	9.0	9.6	10.2	8.8	9.4
<b>28</b>	8.1	7.0	7.5	9.3	8.1	8.5	9.5	8.6	9.1	10.3	8.8	9.3
<b>29</b>	8.4	7.5	7.9	8.7	7.7	8.2	9.6	8.3	8.8	10.1	8.4	9.0
<b>30</b>	8.6	7.8	8.1	9.1	7.7	8.3	9.2	7.9	8.5	9.6	8.0	8.6
<b>31</b>	8.5	7.8	8.0	---	---	---	9.4	7.8	8.6	9.2	7.7	8.3
<b>Month</b>	9.0	6.8	7.8	9.7	6.7	8.2	10.7	7.8	9.1	10.3	7.7	8.9

**08181500 Medina River at San Antonio, TX—Continued**
**DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
<b>February</b>				<b>March</b>				<b>April</b>				<b>May</b>
<b>1</b>	9.4	7.4	8.4	9.4	7.4	8.1	9.5	7.0	7.7	7.9	6.3	6.8
<b>2</b>	10.5	8.9	9.5	9.5	7.5	8.3	9.7	6.4	7.3	7.3	6.5	6.9
<b>3</b>	10.6	9.4	10	9.5	7.6	8.3	9.0	6.2	7.0	8.8	7.2	7.8
<b>4</b>	11.5	9.8	10.5	9.3	7.4	8.1	8.8	6.2	7.1	8.8	7.5	8.0
<b>5</b>	11.8	9.8	10.5	9.8	7.2	8.2	9.6	6.6	7.6	8.7	7.4	7.8
<b>6</b>	11.6	9.4	10.2	10.0	7.5	8.4	9.7	6.7	7.6	8.6	7.1	7.6
<b>7</b>	11.1	9.1	10.0	9.9	7.5	8.4	9.1	6.2	7.3	8.8	7.0	7.5
<b>8</b>	11.2	9.2	10.1	9.6	7.2	8.1	9.5	6.2	7.2	8.5	6.5	7.3
<b>9</b>	10.6	8.9	9.6	9.9	7.1	8.2	9.9	6.1	7.3	8.2	6.4	7.1
<b>10</b>	11.4	9.3	10.2	10.5	7.3	8.5	9.8	5.7	7.1	7.9	6.3	6.9
<b>11</b>	11.6	9.4	10.2	10.9	7.4	8.6	8.2	6.0	6.9	8.0	6.4	6.9
<b>12</b>	11.5	9.3	10.2	11.4	7.3	8.7	9.5	6.4	7.4	7.5	6.3	6.7
<b>13</b>	11.7	9.3	10.2	9.7	7.0	7.9	9.8	6.5	7.4	7.9	6.1	7.0
<b>14</b>	11.2	9.0	10	9.4	6.9	7.9	8.7	6.3	7.1	8.4	6.5	7.2
<b>15</b>	10.4	8.6	9.3	9.8	6.9	7.9	9.6	6.1	7.3	9.0	6.7	7.5
<b>16</b>	10.4	8.2	9.0	9.3	7.0	7.8	9.9	6.3	7.6	8.7	7.0	7.6
<b>17</b>	9.7	7.6	8.5	9.3	6.7	7.6	9.6	6.6	7.6	9.0	7.0	7.7
<b>18</b>	9.3	7.5	8.3	9.4	6.6	7.5	9.1	6.5	7.2	8.2	6.7	7.3
<b>19</b>	8.9	7.4	8.0	8.9	6.4	7.3	7.9	6.1	6.8	7.8	6.5	6.9
<b>20</b>	9.4	7.3	8.1	8.6	6.6	7.4	7.8	6.1	6.7	8.0	6.4	7.0
<b>21</b>	8.4	7.1	7.6	8.6	6.7	7.4	7.8	6.2	6.8	8.1	6.4	7.0
<b>22</b>	8.6	7.1	7.7	8.6	6.6	7.3	8.5	6.2	7.0	8.4	6.5	7.1
<b>23</b>	8.8	7.4	8.0	8.6	6.2	7.0	8.4	5.9	6.8	7.7	6.3	6.9
<b>24</b>	8.6	7.2	7.8	8.5	6.1	6.9	7.9	5.5	6.6	8.2	6.4	7.0
<b>25</b>	9.1	7.4	8.1	8.8	6.1	7.0	8.0	6.0	6.6	8.3	6.3	7.0
<b>26</b>	8.6	7.5	7.9	9.4	6.2	7.0	8.0	6.1	6.7	8.5	6.2	7.0
<b>27</b>	8.5	6.9	7.5	9.2	5.9	6.9	7.9	6.0	6.7	8.7	6.3	7.1
<b>28</b>	8.5	6.8	7.6	8.3	6.1	6.9	8.3	6.4	7.1	8.8	6.0	6.9
<b>29</b>	---	---	---	8.0	6.7	7.1	8.5	6.6	7.2	8.6	6.1	6.9
<b>30</b>	---	---	---	9.1	6.8	7.6	8.2	6.4	7.0	8.7	6.0	7.0
<b>31</b>	---	---	---	9.6	7.0	7.8	---	---	---	8.3	6.0	6.9
<b>Month</b>	11.8	6.8	9.0	11.4	5.9	7.7	9.9	5.5	7.1	9.0	6.0	7.2

**08181500 Medina River at San Antonio, TX—Continued****DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	
<b>June</b>				<b>July</b>				<b>August</b>				<b>September</b>	
<b>1</b>	8.5	5.8	6.8	7.0	5.2	6.0	8.1	6.2	6.9	7.8	5.7	6.4	
<b>2</b>	8.6	6.1	7.0	7.8	5.4	6.4	8.9	6.2	7.0	6.9	5.3	6.0	
<b>3</b>	8.3	6.0	6.9	7.9	5.4	6.4	8.7	6.1	7.0	7.2	4.9	5.8	
<b>4</b>	8.4	5.9	6.9	8.0	5.5	6.5	8.7	5.9	6.8	7.8	5.2	6.1	
<b>5</b>	8.8	5.9	7.0	7.7	5.4	6.3	8.9	5.7	6.8	8.0	5.5	6.3	
<b>6</b>	8.6	5.8	7.0	7.3	5.2	6.1	9.3	6.0	7.1	7.9	5.8	6.6	
<b>7</b>	8.8	5.8	6.8	8.0	5.5	6.5	9.1	6.2	7.1	7.7	5.4	6.2	
<b>8</b>	8.6	5.8	6.9	8.3	5.7	6.6	---	---	---	8.1	5.6	6.7	
<b>9</b>	9.0	5.8	6.9	8.1	5.8	6.6	---	---	---	7.9	5.7	6.7	
<b>10</b>	8.7	5.7	6.9	7.8	5.7	6.4	---	---	---	8.3	6.0	6.8	
<b>11</b>	8.5	5.7	6.8	7.4	5.7	6.4	7.3	5.3	6.0	8.2	5.8	6.8	
<b>12</b>	9.0	5.8	7.0	7.9	5.8	6.5	7.0	4.9	5.7	7.8	5.9	6.7	
<b>13</b>	8.7	5.8	6.9	8.1	5.8	6.6	7.6	4.9	5.9	7.8	5.9	6.6	
<b>14</b>	8.6	5.9	6.9	8.0	6.0	6.7	6.6	4.7	5.4	7.9	5.7	6.5	
<b>15</b>	8.0	5.5	6.5	8.1	5.9	6.6	5.9	3.9	4.7	7.7	5.8	6.5	
<b>16</b>	7.9	5.4	6.3	8.1	5.8	6.6	7.5	3.5	4.7	7.8	5.5	6.5	
<b>17</b>	8.5	5.2	6.3	8.0	6.0	6.7	7.8	4.4	5.5	7.1	5.7	6.4	
<b>18</b>	9.2	5.5	6.8	7.9	6.1	6.7	8.5	4.6	5.9	7.3	5.7	6.3	
<b>19</b>	8.8	5.2	6.6	8.3	6.0	6.7	8.9	5.6	6.5	7.0	5.9	6.4	
<b>20</b>	8.1	5.4	6.4	7.8	6.0	6.5	8.4	5.5	6.5	7.3	6.2	6.6	
<b>21</b>	7.6	5.3	6.1	8.0	5.9	6.6	7.9	5.5	6.4	7.5	6.3	6.6	
<b>22</b>	7.5	5.7	6.4	7.7	5.9	6.5	7.2	5.4	6.2	7.4	5.9	6.5	
<b>23</b>	7.5	5.5	6.4	8.0	5.7	6.5	8.1	5.9	6.6	7.4	6.0	6.4	
<b>24</b>	7.8	5.7	6.5	7.9	5.7	6.5	7.9	5.9	6.6	7.4	6.1	6.5	
<b>25</b>	7.7	5.9	6.6	7.8	5.8	6.5	6.8	5.3	6.2	7.0	5.8	6.2	
<b>26</b>	7.7	5.8	6.5	8.1	5.6	6.6	7.4	5.7	6.4	7.0	5.7	6.1	
<b>27</b>	7.3	5.6	6.4	8.2	5.7	6.5	7.5	5.7	6.3	7.1	5.6	6.1	
<b>28</b>	7.4	5.6	6.3	8.5	5.6	6.6	7.6	5.8	6.3	7.2	5.9	6.3	
<b>29</b>	7.2	5.5	6.1	8.2	5.7	6.6	7.3	5.7	6.3	7.1	5.8	6.2	
<b>30</b>	7.3	5.4	6.2	8.3	5.9	6.8	7.5	5.8	6.3	7.4	6.1	6.5	
<b>31</b>	---	---	---	8.4	6.2	6.9	7.7	5.7	6.3	---	---	---	
<b>Month</b>	9.2	5.2	6.6	8.5	5.2	6.5	---	---	---	8.3	4.9	6.4	

**08181500 Medina River at San Antonio, TX—Continued**

**08181500 Medina River at San Antonio, TX—Continued**
**TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
<b>October</b>				<b>November</b>				<b>December</b>				<b>January</b>
<b>1</b>	24	17	20	8.9	6.9	7.4	12	5.7	6.2	33	20	26
<b>2</b>	22	15	18	51	6.9	13	6.6	5.6	5.9	50	22	32
<b>3</b>	19	15	17	11	6.9	8.7	7.5	5.6	6.4	170	16	35
<b>4</b>	20	14	16	11	6.9	7.8	8.3	5.5	6.7	58	10	19
<b>5</b>	19	15	16	8.9	6.9	7.8	7.4	5.5	6.3	19	6.0	9.4
<b>6</b>	18	13	15	9.8	6.9	8.2	6.4	5.5	5.8	8.0	6.0	6.7
<b>7</b>	21	12	15	8.8	6.9	7.7	7.0	5.4	6.1	8.0	6.0	6.6
<b>8</b>	20	11	13	9.8	6.9	7.7	8.0	6.0	6.8	9.0	6.0	6.9
<b>9</b>	16	11	13	10	7.0	7.9	7.9	5.0	6.2	150	6.0	63
<b>10</b>	15	11	13	10	6.2	7.8	6.9	4.9	5.8	54	18	29
<b>11</b>	17	9.0	11	9.5	7.3	8.1	6.9	4.9	6.0	18	10	15
<b>12</b>	12	8.0	9.9	12	7.5	9.1	6.9	4.9	6.2	11	8.0	9.3
<b>13</b>	12	8.0	9.4	12	7.6	9.5	6.9	4.9	5.6	8.0	6.0	7.2
<b>14</b>	11	7.0	8.6	11	7.8	9.4	5.9	4.9	5.2	7.0	6.0	6.3
<b>15</b>	9.0	7.0	7.7	13	8.1	9.9	6.8	4.9	5.8	27	6.0	11
<b>16</b>	14	6.0	7.4	13	8.2	9.9	8.7	5.8	7.0	61	20	34
<b>17</b>	9.0	6.0	7.4	29	11	14	9.7	5.8	7.2	20	12	16
<b>18</b>	10	7.0	8.0	15	8.7	12	8.7	5.8	6.8	14	11	12
<b>19</b>	48	8.0	17	10	7.5	8.3	8.7	5.8	6.5	12	8.9	10
<b>20</b>	10	6.0	7.7	10	7.6	8.8	8.6	5.7	7.1	12	8.8	10
<b>21</b>	9.0	6.0	7.1	13	7.8	9.6	9.6	6.7	8.0	12	6.7	8.7
<b>22</b>	10	6.0	7.5	12	7.9	9.9	11	7.6	8.9	9.6	5.7	7.5
<b>23</b>	8.0	6.0	7.0	12	7.0	8.8	12	7.6	9.1	8.5	6.5	7.5
<b>24</b>	8.0	6.0	6.9	15	6.9	8.0	32	7.6	11	10	7.3	8.2
<b>25</b>	8.0	6.0	7.0	24	6.9	8.5	25	9.4	14	12	8.1	9.1
<b>26</b>	9.9	6.0	7.3	11	5.9	8.1	13	8.5	11	9.8	7.1	8.0
<b>27</b>	9.9	6.0	7.6	8.8	5.8	7.0	13	7.5	9.6	8.8	6.1	7.4
<b>28</b>	9.9	6.9	7.9	7.7	5.8	6.9	14	8.4	10	7.8	6.0	6.8
<b>29</b>	8.9	5.9	7.3	9.6	6.7	7.6	29	9.3	14	10	6.7	7.7
<b>30</b>	9.9	5.9	7.6	9.5	5.7	7.4	21	10	16	12	7.4	8.9
<b>31</b>	8.9	6.9	7.6	---	---	---	30	14	21	13	7.4	8.9
<b>Month</b>	48	5.9	11	51	5.7	8.8	32	4.9	8.3	170	5.7	15

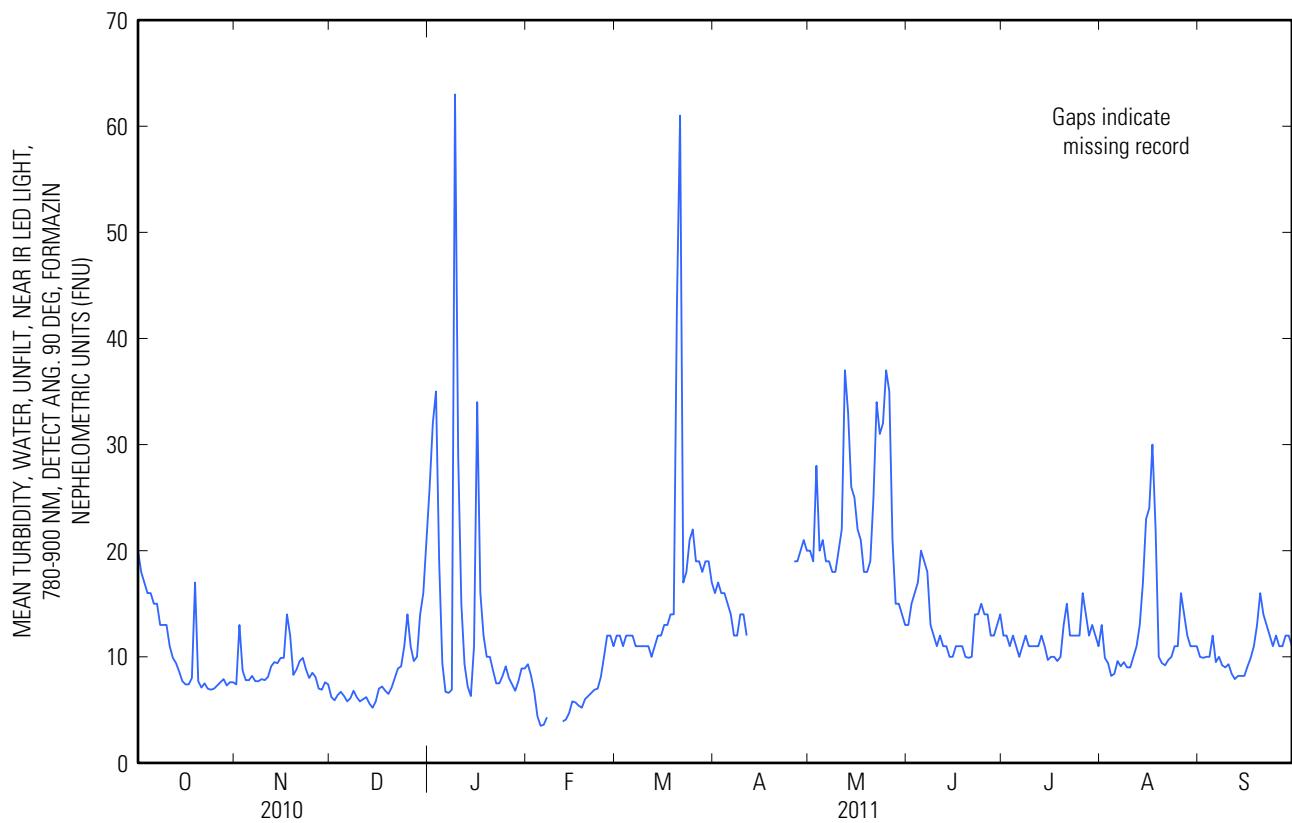
**08181500 Medina River at San Antonio, TX—Continued**
**TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
<b>February</b>				<b>March</b>				<b>April</b>				<b>May</b>
<b>1</b>	12	7.9	9.3	15	9.5	12	24	14	16	27	17	20
<b>2</b>	10	6.2	8.2	14	10	12	21	14	17	22	17	19
<b>3</b>	9.3	5.3	6.7	14	10	11	21	13	16	120	17	28
<b>4</b>	5.3	3.7	4.4	15	9.9	12	27	12	16	24	17	20
<b>5</b>	3.7	2.9	3.5	16	9.7	12	20	12	15	27	18	21
<b>6</b>	4.4	2.9	3.6	16	9.5	12	19	9.9	14	25	16	19
<b>7</b>	5.0	3.6	4.3	14	9.5	11	20	9.7	12	23	16	19
<b>8</b>	---	---	---	14	9.2	11	19	9.4	12	22	16	18
<b>9</b>	---	---	---	14	9.2	11	24	9.1	14	22	15	18
<b>10</b>	---	---	---	16	9.1	11	29	8.8	14	28	15	20
<b>11</b>	---	---	---	14	9.6	11	18	8.8	12	38	15	22
<b>12</b>	4.9	3.9	3.9	14	8.6	10	---	---	---	82	16	37
<b>13</b>	6.7	2.9	4.1	16	8.5	11	---	---	---	61	22	33
<b>14</b>	5.6	3.8	4.7	17	9.1	12	---	---	---	49	20	26
<b>15</b>	7.4	4.6	5.8	17	9.1	12	---	---	---	38	20	25
<b>16</b>	7.2	4.4	5.7	16	11	13	---	---	---	29	18	22
<b>17</b>	9.6	4.3	5.4	17	11	13	---	---	---	28	17	21
<b>18</b>	6.0	4.3	5.2	20	11	14	---	---	---	24	15	18
<b>19</b>	7.6	5.0	6.0	17	12	14	---	---	---	24	15	18
<b>20</b>	8.2	4.9	6.3	110	12	43	---	---	---	25	15	19
<b>21</b>	8.8	5.6	6.6	120	13	61	---	---	---	36	19	25
<b>22</b>	8.6	5.4	6.9	21	13	17	---	---	---	69	20	34
<b>23</b>	9.1	5.4	7.0	23	12	18	---	---	---	49	21	31
<b>24</b>	10	5.9	8.1	28	15	21	---	---	---	51	23	32
<b>25</b>	12	7.3	10	34	14	22	---	---	---	90	23	37
<b>26</b>	16	8.9	12	26	14	19	30	14	19	85	20	35
<b>27</b>	15	8.7	12	26	14	19	25	16	19	67	12	21
<b>28</b>	15	8.7	11	29	14	18	27	16	20	21	11	15
<b>29</b>	---	---	---	23	16	19	29	17	21	20	11	15
<b>30</b>	---	---	---	30	15	19	25	17	20	18	11	14
<b>31</b>	---	---	---	23	14	17	---	---	---	18	9.8	13
<b>Month</b>	---	---	---	120	8.5	17	---	---	---	120	9.8	23

## Water-Data Report 2011

**08181500 Medina River at San Antonio, TX—Continued****TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>
				<b>June</b>			<b>July</b>			<b>August</b>		
<b>1</b>	17	11	13	18	9.3	12	18	9.6	13	15	7.2	10
<b>2</b>	27	12	15	16	8.3	12	13	6.6	9.9	15	7.2	9.9
<b>3</b>	21	13	16	15	9.2	11	17	6.5	9.4	15	6.2	10
<b>4</b>	21	14	17	16	8.2	12	13	5.6	8.2	16	6.2	10
<b>5</b>	31	14	20	17	7.3	11	13	6.5	8.4	17	7.2	12
<b>6</b>	37	12	19	14	8.1	10	13	7.3	9.6	14	6.2	9.5
<b>7</b>	33	10	18	17	8.1	11	13	7.2	9.1	19	7.3	10
<b>8</b>	27	9.3	13	19	7.9	12	15	7.1	9.5	14	7.0	9.2
<b>9</b>	35	9.2	12	17	7.7	11	12	7.1	9.0	14	7.0	9.0
<b>10</b>	15	9.2	11	17	7.7	11	12	7.0	9.0	12	7.0	9.3
<b>11</b>	16	9.1	12	16	8.3	11	15	8.0	10	11	6.1	8.4
<b>12</b>	15	9.0	11	16	8.1	11	18	8.9	11	11	6.1	7.9
<b>13</b>	15	8.9	11	20	7.9	12	18	9.9	13	12	6.1	8.2
<b>14</b>	15	7.0	10	17	6.9	11	22	13	17	11	6.1	8.2
<b>15</b>	14	7.0	10	16	5.9	9.7	30	17	23	10	6.2	8.2
<b>16</b>	16	7.7	11	18	7.4	10	28	17	24	12	7.2	9.1
<b>17</b>	16	7.7	11	16	7.2	10	42	19	30	13	7.2	9.9
<b>18</b>	14	7.6	11	14	7.0	9.6	42	9.7	22	14	8.3	11
<b>19</b>	14	6.7	10	17	7.6	10	13	7.7	10	18	7.3	13
<b>20</b>	14	7.5	9.9	25	7.6	13	14	6.7	9.4	24	12	16
<b>21</b>	16	6.9	10	19	11	15	12	6.7	9.2	37	10	14
<b>22</b>	20	7.9	14	20	9.1	12	18	7.6	9.7	18	9.4	13
<b>23</b>	19	11	14	17	8.8	12	17	7.6	10	15	8.0	12
<b>24</b>	19	12	15	19	8.5	12	15	8.5	11	15	9.0	11
<b>25</b>	41	11	14	21	7.9	12	15	8.5	11	26	8.0	12
<b>26</b>	21	11	14	26	9.3	16	26	10	16	16	8.0	11
<b>27</b>	17	9.5	12	24	9.0	14	21	11	14	17	8.9	11
<b>28</b>	25	9.5	12	21	7.9	12	20	9.1	12	17	8.9	12
<b>29</b>	17	9.5	13	23	7.8	13	16	8.1	11	14	9.9	12
<b>30</b>	26	10	14	18	7.8	12	18	8.1	11	20	8.9	11
<b>31</b>	---	---	---	16	8.7	11	15	7.1	11	---	---	---
<b>Month</b>	41	6.7	13	26	5.9	12	42	5.6	13	37	6.1	11

**08181500 Medina River at San Antonio, TX—Continued**

**08181500 Medina River at San Antonio, TX—Continued****CLIMATOLOGICAL RECORDS**

PERIOD OF RECORD.--Nov. 2009 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket雨量计, mounted 3.0 ft. above gage shelter, with satellite telemetry. Datum of gage is 439.03 ft above NGVD 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily rainfall, 2.74 inches, Sept. 8, 2010.

EXTREMES FOR CURRENT YEAR.--Maximum daily rainfall, 1.49 inches, June 22.

**PRECIPITATION, TOTAL, INCHES**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY SUM VALUES**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	---	---	0.70	0.00	0.03	0.21	0.00	0.00	0.00	0.77	0.00	0.00
<b>2</b>	---	---	0.01	0.00	0.20	0.00	0.00	0.00	0.59	0.91	0.00	0.91
<b>3</b>	---	---	0.00	0.00	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.24
<b>4</b>	---	---	0.00	0.00	0.29	0.00	0.01	0.00	0.01	0.02	0.00	0.00
<b>5</b>	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>6</b>	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>7</b>	---	---	0.00	0.00	0.00	0.05	0.02	0.00	0.00	0.00	0.00	2.68
<b>8</b>	---	---	0.04	0.00	0.02	0.17	0.00	0.00	2.98	0.05	0.00	2.74
<b>9</b>	---	---	0.00	0.00	0.01	0.01	0.00	0.00	0.04	0.29	0.00	0.00
<b>10</b>	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>11</b>	---	---	0.14	0.00	1.08	0.00	0.01	0.00	0.00	0.00	0.00	0.00
<b>12</b>	---	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>13</b>	---	---	0.00	0.18	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
<b>14</b>	---	---	0.02	1.70	0.00	0.00	0.40	0.97	0.00	0.00	0.00	0.00
<b>15</b>	---	---	0.00	1.33	0.00	0.17	1.59	0.98	0.00	0.00	0.00	0.00
<b>16</b>	---	---	0.16	0.00	0.00	0.28	0.33	0.00	0.00	0.00	0.00	0.00
<b>17</b>	---	---	0.43	0.00	0.00	0.01	0.65	0.00	0.00	0.00	0.00	0.52
<b>18</b>	---	---	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.53
<b>19</b>	---	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82
<b>20</b>	---	2.74	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.01	0.00	0.14
<b>21</b>	---	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.19	0.00	0.03
<b>22</b>	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.06
<b>23</b>	---	0.00	0.45	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.02
<b>24</b>	---	0.00	0.18	0.00	0.00	0.14	0.04	0.05	0.00	0.00	0.24	0.04
<b>25</b>	---	0.00	0.00	0.00	0.00	0.46	0.00	0.12	0.00	0.00	0.00	0.00
<b>26</b>	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>27</b>	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
<b>28</b>	---	0.00	0.00	0.17	0.18	0.00	0.00	0.00	0.03	0.13	0.00	0.00
<b>29</b>	---	0.00	0.36	0.26	---	0.00	0.00	0.00	0.00	0.00	0.09	0.00
<b>30</b>	---	0.03	0.01	0.00	---	0.00	0.00	0.00	0.31	0.00	0.00	0.00
<b>31</b>	---	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
<b>Total</b>	---	---	2.51	3.64	3.90	2.65	3.10	2.16	3.96	2.38	0.33	8.73
<b>Max</b>	---	---	0.70	1.70	1.88	1.15	1.59	0.98	2.98	0.91	0.24	2.74
<b>Min</b>	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**08181500 Medina River at San Antonio, TX—Continued**

**PRECIPITATION, TOTAL, INCHES**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY SUM VALUES**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.05	0.00	0.00
<b>2</b>	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>3</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>4</b>	0.00	0.00	0.00	0.03	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>6</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>7</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>8</b>	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>9</b>	0.00	0.00	0.00	1.17	0.05	0.00	0.00	0.00	0.00	0.00	0.24	0.00
<b>10</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00
<b>11</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>12</b>	0.00	0.01	0.00	0.00	0.00	0.00	0.00	1.45	0.00	0.00	0.00	0.00
<b>13</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00
<b>14</b>	0.37	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>15</b>	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>16</b>	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32
<b>17</b>	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39
<b>18</b>	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
<b>19</b>	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.15	0.00	0.01
<b>20</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>21</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
<b>22</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00
<b>23</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>24</b>	0.00	0.00	0.59	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>25</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>26</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>27</b>	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
<b>28</b>	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>29</b>	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.05
<b>30</b>	0.00	0.00	0.00	0.00	---	0.01	0.00	0.00	0.00	0.14	0.35	0.00
<b>31</b>	0.00	---	0.00	0.01	---	0.00	---	0.00	---	0.00	0.00	---
<b>Total</b>	0.37	0.79	0.76	3.08	0.37	0.02	0.00	1.46	1.49	0.41	0.88	0.91
<b>Max</b>	0.37	0.78	0.59	1.22	0.18	0.01	0.00	1.45	1.49	0.15	0.35	0.39
<b>Min</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**08181500 Medina River at San Antonio, TX—Continued**