Water-Data Report 2008

08180700 Medina River near Macdona, TX

San Antonio Basin
Medina Subbasin

LOCATION.--Lat 29°20′05″, long 98°41′22″ referenced to North American Datum of 1927, Bexar County, TX, Hydrologic Unit 12100302, at downstream side of Loop 1604 bridge, 0.1 mi downstream from Polecat Creek, 0.7 mi north of Macdona, 2.2 mi downstream from Potranca Creek, and 21.2 mi upstream from mouth.

DRAINAGE AREA.--885 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Jan. 1981 to Sept. 1995, May 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 589.86 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records fair. Since installation of gage in water year 1981, at least 10% of contributing drainage area has been regulated. A large part of the streamflow is lost into the Edwards and associated limestones where the Balcones Fault crosses 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. There are several small diversions below Medina Diversion Dam.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 215 ft^3/s, Aug. 20, gage height, 3.13 ft; minimum discharge, 58 ft^3/s, on several days, gage height, 1.85 ft.

08180700 Medina River near Macdona, TX—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	710	356	253	175	116	99	95	101	67	70	68	71
2	700	345	247	173	114	100	93	92	67	72	69	71
3	687	338	236	172	e114	99	91	86	66	78	68	71
4	674	333	228	173	e113	101	90	85	66	82	67	71
5	659	326	218	172	113	99	89	84	65	84	67	71
6	642	320	208	173	111	97	91	83	65	85	66	68
7	620	315	203	173	110	100	105	83	66	89	66	68
8	582	314	195	171	107	102	109	81	65	101	63	69
9	564	311	e190	170	107	98	109	80	65	90	60	71
10	555	307	186	166	108	99	108	79	64	79	60	72
11	540	304	182	166	108	106	107	78	64	74	59	73
12	528	300	182	165	106	104	104	77	65	72	63	72
13	517	297	178	165	106	100	101	77	63	71	72	72
14	507	293	171	163	106	99	99	77	63	70	65	72
15	497	286	165	164	106	99	100	78	62	68	64	68
16	489	284	162	165	107	108	99	76	62	68	63	65
17	479	283	159	164	108	112	93	75	62	71	69	64
18	466	280	156	161	105	113	97	74	61	69	66	68
19	456	276	156	161	104	121	96	73	61	66	78	68
20	442	272	155	161	104	122	98	72	61	69	126	66
21	432	268	154	160	104	121	103	71	62	69	83	65
22	422	263	151	156	104	111	105	82	69	68	69	67
23	427	257	151	143	103	106	105	78	70	68	69	68
24	420	255	148	135	102	105	104	75	69	76	76	67
25	415	254	149	128	102	103	104	72	72	87	91	66
26	405	250	148	125	100	103	107	72	71	73	70	60
27	396	246	151	123	101	103	104	71	71	68	69	58
28	387	246	169	122	99	103	104	70	70	67	69	62
29	375	260	175	121	98	96	101	69	69	66	70	64
30	367	257	175	120	---	104	101	68	69	66	71	63
31	362	---	176	117	---	99	---	68	---	68	71	---
Total	15,722	8,696	5,577	4,803	3,086	3,232	3,012	2,407	1,972	2,304	2,187	2,031
Mean	507	290	180	155	106	104	100	77.6	65.7	74.3	70.5	67.7
Max	710	356	253	175	116	122	109	101	72	101	126	73
Min	362	246	148	117	98	96	89	68	61	66	59	58
Ac-ft	31,180	17,250	11,060	9,530	6,120	6,410	5,970	4,770	3,910	4,570	4,340	4,030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2008[h], BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	166	182	147	143	189	199	161	182	524	455	165	143
Max	758	1,429	567	698	2,333	2,097	1,302	1,636	5,726	6,555	1,866	1,209
(WY)	(2003)	(2005)	(2005)	(1992)	(1992)	(1992)	(1992)	(1992)	(1987)	(2002)	(2007)	(2007)
Min	32.3	25.7	18.0	22.1	34.2	39.0	34.1	29.6	25.1	27.4	25.1	27.8
(WY)	(1992)	(1985)	(1985)	(1985)	(1985)	(1990)	(1986)	(1989)	(1990)	(1989)	(1989)	(1989)

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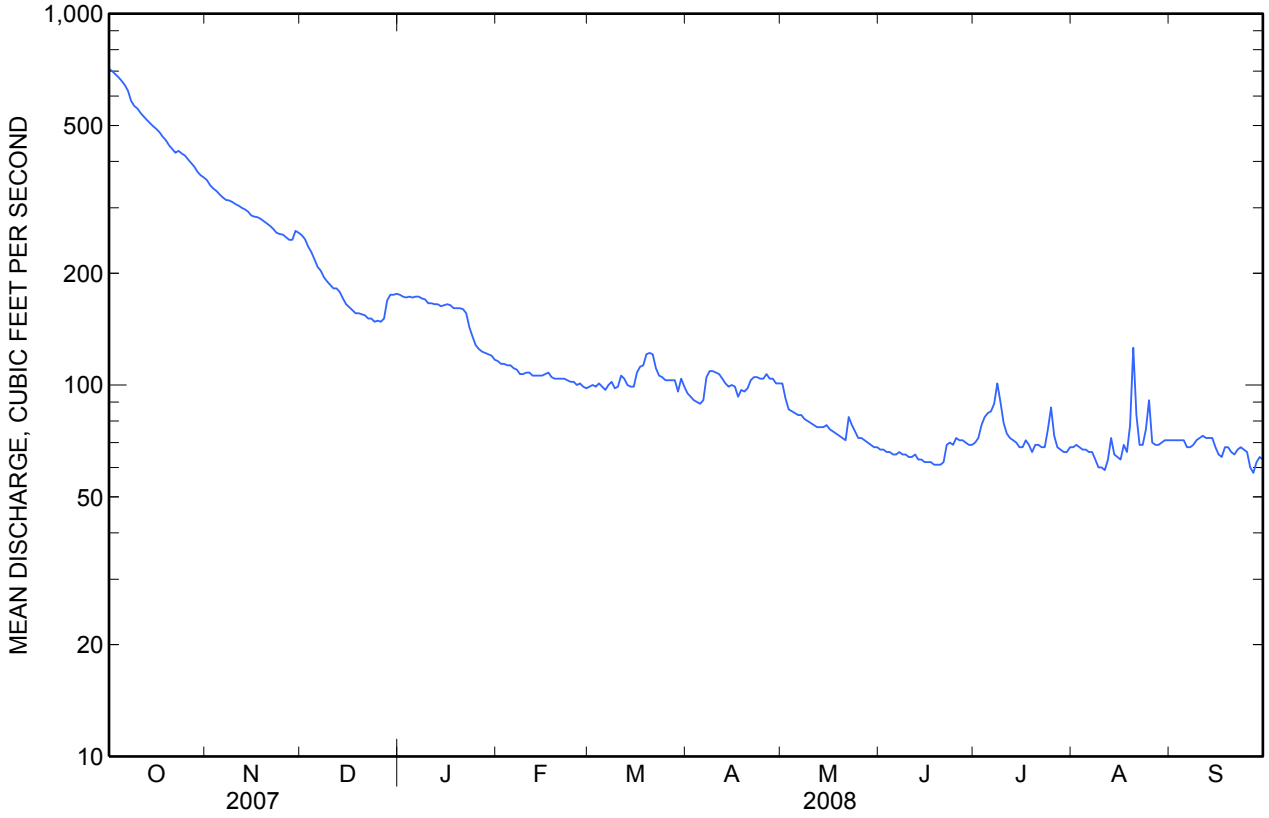
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1981 - 2008[h]	
Annual total	193,411		55,029			
Annual mean	530		150		191	
Highest annual mean					954	1992
Lowest annual mean					38.1	1989
Highest daily mean	5,650	Aug 17	710	Oct 1	40,500	Jul 6, 2002
Lowest daily mean	21	Mar 3	58	Sep 27	14	Jan 11, 1985
Annual seven-day minimum	23	Feb 26	62	Jun 15	16	Jan 7, 1985
Maximum peak flow			215	Aug 20	55,400	Jul 6, 2002
Maximum peak stage			3.13	Aug 20	[a]24.78	Jul 6, 2002
Annual runoff (ac-ft)	383,600		109,200		138,400	
10 percent exceeds	1,410		322		337	
50 percent exceeds	246		101		60	
90 percent exceeds	39		66		34	

[h] See Period of Record paragraph.

[a] From floodmark.



08180700 Medina River near Macdona, TX—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL DATA: July 1998 to Sept. 2000, Jan. 2006 to current year.
BIOCHEMICAL DATA: July 1998 to Sept. 2000, Jan. 2006 to current year.
PESTICIDE DATA: July 1998 to Sept. 2000, Jan. 2006 to current year.
SEDIMENT DATA: July 1998 to Sept. 2000.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Nov. 2001 to current year.
WATER TEMPERATURE: Nov. 2001 to current year.
pH: Jan. 2005 to current year.
DISSOLVED OXYGEN: Jan. 2005 to current year.
TURBIDITY: Jan. 2005 to Sept. 2005.

INSTRUMENTATION.--Water-quality monitor since Nov. 2001.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 773 microsiemens/cm, May 14, 2003; minimum, 115 microsiemens/cm, Apr. 30, 2007.
pH: Maximum, 8.4 units, Sept. 1-3, 24, 2008; minimum, 7.4 units, Sept. 5, 24, 28, Oct. 1, 5, 8, 2006, Mar. 21, 23, Apr. 4, 2007.
WATER TEMPERATURE: Maximum, 29.7°C, Aug. 22, 26, 2006; minimum, 9.6°C, Jan. 4, 2002.
DISSOLVED OXYGEN: Maximum, 12.3 mg/L, Jan. 28, 2007; minimum, 2.1 mg/L, Sept. 4, 2006.
TURBIDITY: Maximum, 52 FNU, May 30, 2005; minimum, 4 FNU, on several days in June 2005.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 735 microsiemens/cm, May 23; minimum, 497 microsiemens/cm, Aug. 25.
pH: Maximum, 8.4 standard units, Sept. 24; minimum, 7.6 standard units, on several days.
WATER TEMPERATURE: Maximum, 29.4°C, Aug. 3, 4; minimum, 11.1°C, Jan. 3.
DISSOLVED OXYGEN: Maximum, 11.5 mg/L, Jan. 20; minimum, 6.1 mg/L, June 4, Aug. 22.

08180700 Medina River near Macdona, TX—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	532	526	529	601	584	594	597	595	597	576	572	574
2	543	529	536	602	600	601	595	589	592	573	571	572
3	544	542	544	605	600	601	590	587	588	573	571	572
4	544	541	543	605	600	602	588	583	585	573	571	572
5	547	541	542	604	601	603	583	580	582	572	570	571
6	552	540	544	603	601	602	582	578	580	573	570	572
7	556	544	548	601	599	600	580	578	579	573	572	573
8	557	550	552	600	596	598	579	577	578	573	571	572
9	563	553	558	598	592	595	591	579	586	579	571	574
10	562	554	557	594	590	592	595	591	593	579	577	578
11	559	551	554	591	587	589	600	594	597	579	577	578
12	558	554	556	590	586	588	604	598	601	578	576	577
13	565	557	560	591	586	588	621	604	612	578	575	577
14	566	561	564	587	583	586	623	620	622	578	575	577
15	570	564	567	605	580	593	623	620	622	578	576	577
16	575	569	571	602	599	600	621	617	619	577	576	576
17	578	574	576	603	599	600	622	618	620	578	575	577
18	582	576	579	602	597	599	624	622	623	580	577	579
19	577	572	574	602	596	598	623	621	622	581	578	580
20	579	572	575	602	597	598	622	620	621	580	576	578
21	580	574	578	602	597	598	623	620	622	580	578	579
22	576	568	572	601	595	597	624	621	623	590	580	583
23	573	567	570	600	595	597	623	620	621	606	590	599
24	583	569	577	599	597	598	622	620	622	613	606	610
25	584	570	577	599	594	596	622	620	621	617	613	615
26	583	573	579	596	594	595	622	619	621	618	616	617
27	585	580	582	598	596	597	620	617	619	624	618	621
28	589	581	585	600	596	597	617	606	612	632	624	628
29	592	585	589	597	595	596	606	599	601	640	632	636
30	597	586	590	597	595	596	600	589	595	642	638	640
31	591	583	587	---	---	---	589	576	581	641	639	640
Month	597	526	565	605	580	596	624	576	605	642	570	589

08180700 Medina River near Macdona, TX—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

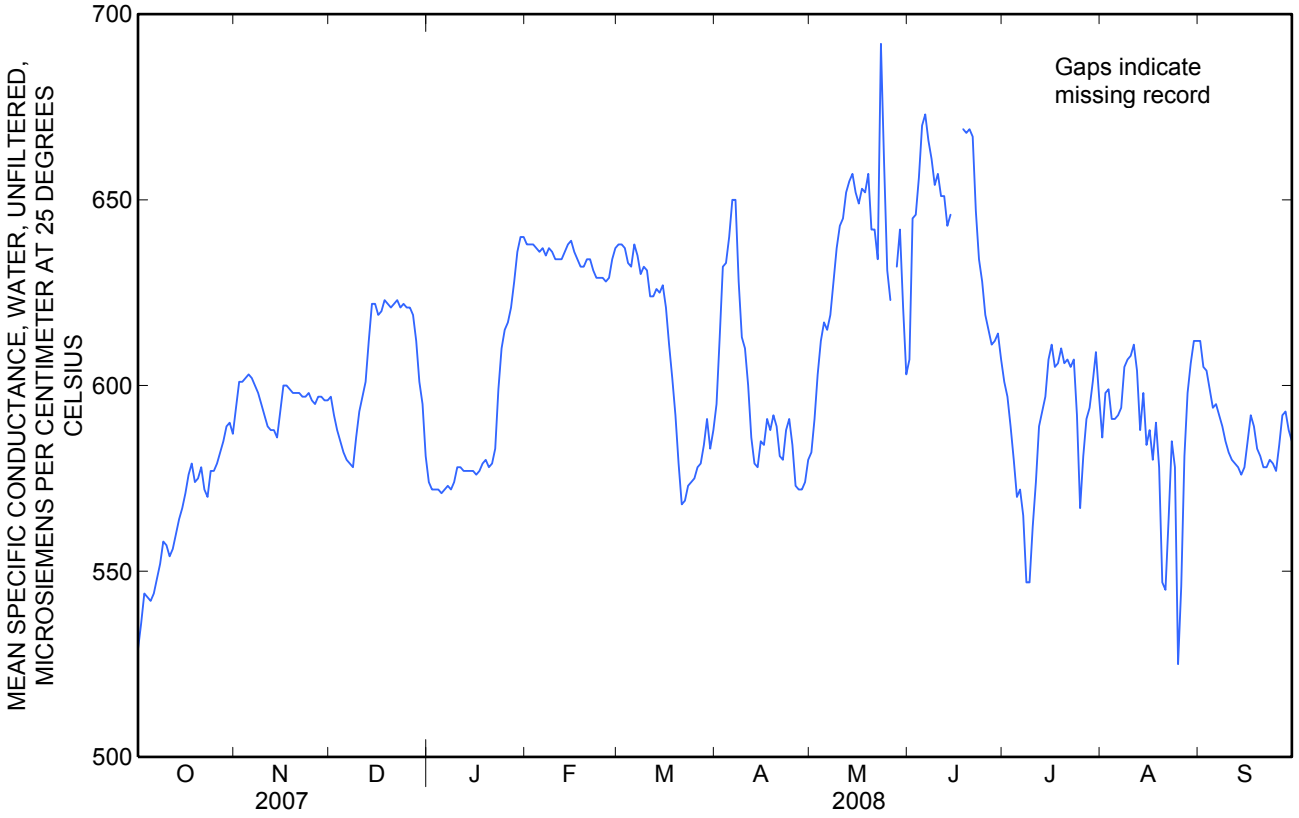
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	641	636	638	641	636	638	600	590	595	585	580	582
2	639	636	638	640	636	638	628	598	613	599	585	591
3	639	636	638	640	633	637	635	627	632	613	599	603
4	638	636	637	636	628	633	636	629	633	618	608	612
5	638	635	636	636	626	632	647	636	640	621	614	617
6	639	636	637	639	635	638	656	646	650	625	603	615
7	637	634	635	639	632	635	655	642	650	625	609	619
8	639	635	637	634	628	630	642	619	628	636	622	628
9	637	634	636	634	631	632	621	608	613	643	635	637
10	637	631	634	634	628	631	614	605	610	647	638	643
11	637	632	634	631	622	624	609	591	600	653	640	645
12	637	632	634	628	623	624	594	577	586	657	648	652
13	638	629	636	630	622	626	584	571	579	659	646	655
14	640	637	638	627	622	625	585	552	578	661	650	657
15	640	638	639	630	625	627	589	575	585	667	643	652
16	638	635	636	628	616	621	589	579	584	660	641	649
17	636	632	634	617	605	611	597	588	591	655	650	653
18	634	631	632	606	599	602	598	583	588	658	646	652
19	633	630	632	600	585	592	596	586	592	668	640	657
20	635	632	634	586	572	579	593	584	589	664	624	642
21	635	632	634	572	565	568	584	579	581	651	623	642
22	634	630	631	573	565	569	582	578	580	652	619	634
23	630	627	629	579	572	573	593	582	588	735	621	692
24	631	627	629	579	572	574	594	588	591	714	582	660
25	630	627	629	581	573	575	588	579	584	645	572	631
26	629	625	628	579	576	578	579	568	573	634	584	623
27	635	626	629	581	577	579	576	569	572	---	554	---
28	637	631	634	586	580	584	575	568	572	649	605	632
29	638	636	637	599	583	591	580	568	574	652	630	642
30	---	---	---	591	576	583	581	578	580	645	586	621
31	---	---	---	594	583	588	---	---	---	638	551	603
Month	641	625	634	641	565	608	656	552	598	---	551	---

08180700 Medina River near Macdona, TX—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	645	571	607	607	596	601	605	564	586	616	608	612
2	659	636	645	602	594	597	600	595	598	614	599	605
3	656	635	646	595	584	589	604	591	599	606	601	604
4	670	642	656	585	572	580	601	564	591	606	593	599
5	672	666	670	574	567	570	601	574	591	599	589	594
6	677	667	673	575	568	572	600	570	592	598	591	595
7	676	658	666	573	552	565	604	585	594	596	587	592
8	664	652	661	554	536	547	610	600	605	594	584	589
9	657	652	654	554	543	547	612	600	607	589	583	585
10	659	653	657	570	554	562	613	598	608	586	578	582
11	661	645	651	584	569	574	613	607	611	583	577	580
12	658	645	651	593	584	589	613	591	604	583	574	579
13	652	631	643	596	589	593	599	576	588	583	573	578
14	658	633	646	601	595	597	605	581	598	579	572	576
15	---	640	---	615	600	607	587	580	584	583	576	578
16	---	---	---	617	606	611	592	584	588	593	582	585
17	672	---	---	609	602	605	585	572	580	596	589	592
18	671	668	669	610	604	606	600	580	590	597	584	589
19	670	665	668	612	608	610	600	562	578	586	579	583
20	671	667	669	614	600	606	581	518	547	587	577	581
21	670	662	667	610	602	607	558	522	545	583	574	578
22	665	633	647	610	601	605	582	554	564	581	575	578
23	640	628	634	611	603	607	591	576	585	585	578	580
24	637	622	628	611	568	592	586	575	578	584	572	579
25	626	613	619	580	550	567	575	497	525	582	573	577
26	618	610	615	585	576	581	561	529	546	596	581	584
27	616	599	611	597	585	591	594	561	581	599	590	592
28	617	607	612	601	589	594	605	594	598	599	585	593
29	616	612	614	610	591	601	609	604	606	592	584	588
30	615	601	607	613	604	609	615	609	612	591	580	585
31	---	---	---	610	539	597	616	608	612	---	---	---
Month	---	---	---	617	536	590	616	497	587	616	572	587

08180700 Medina River near Macdona, TX—Continued



08180700 Medina River near Macdona, TX—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		October			November			December			January	
1	7.9	7.8	7.8	8.0	7.8	8.0	8.0	7.9	7.9	8.1	8.0	8.1
2	7.9	7.8	7.8	8.0	7.9	7.9	8.0	7.9	8.0	8.1	8.0	8.1
3	7.9	7.9	7.9	8.0	7.9	7.9	8.0	7.8	7.9	8.2	8.0	8.1
4	7.9	7.9	7.9	8.0	7.8	7.9	7.9	7.8	7.9	8.1	8.0	8.1
5	7.9	7.9	7.9	7.9	7.8	7.8	7.9	7.8	7.9	8.1	8.0	8.1
6	7.9	7.9	7.9	7.8	7.8	7.8	7.9	7.8	7.9	8.1	8.0	8.0
7	7.9	7.9	7.9	7.8	7.8	7.8	7.9	7.8	7.9	8.1	8.0	8.0
8	7.9	7.9	7.9	7.9	7.8	7.8	7.9	7.8	7.8	8.1	8.0	8.0
9	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.8	7.8	8.1	8.0	8.0
10	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.8	7.8	8.1	8.0	8.0
11	8.0	7.9	7.9	7.9	7.8	7.9	7.8	7.8	7.8	8.1	8.0	8.0
12	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.8	8.1	8.0	8.0
13	8.0	7.9	8.0	7.9	7.8	7.8	7.9	7.7	7.9	8.1	8.0	8.0
14	8.0	7.9	8.0	7.9	7.8	7.8	7.9	7.9	7.9	8.1	8.0	8.0
15	7.9	7.9	7.9	8.0	7.8	7.9	8.0	7.9	7.9	8.0	8.0	8.0
16	7.9	7.9	7.9	8.0	7.9	8.0	8.0	7.9	8.0	8.1	8.0	8.0
17	7.9	7.9	7.9	7.9	7.9	7.9	8.0	7.9	8.0	8.1	8.0	8.0
18	7.9	7.9	7.9	8.1	7.9	7.9	8.0	7.9	8.0	8.1	8.0	8.0
19	7.9	7.8	7.9	8.1	8.0	8.0	8.0	7.9	7.9	8.1	8.0	8.1
20	7.8	7.8	7.8	8.1	8.0	8.0	8.0	7.9	7.9	8.1	8.0	8.1
21	7.8	7.8	7.8	8.1	8.0	8.0	8.0	7.9	8.0	8.1	7.9	8.0
22	7.8	7.8	7.8	8.1	8.0	8.1	8.0	7.9	8.0	8.0	7.9	7.9
23	7.9	7.8	7.8	8.1	8.0	8.1	8.0	7.9	8.0	7.9	7.9	7.9
24	7.9	7.8	7.8	8.2	8.1	8.1	8.0	7.9	8.0	7.9	7.8	7.9
25	7.9	7.8	7.8	8.2	8.2	8.2	8.0	7.9	8.0	7.9	7.9	7.9
26	7.9	7.8	7.9	8.2	8.2	8.2	8.0	7.9	8.0	7.9	7.9	7.9
27	7.9	7.8	7.9	8.2	8.2	8.2	8.0	7.9	8.0	7.9	7.9	7.9
28	7.9	7.8	7.9	8.2	8.0	8.0	8.1	8.0	8.1	7.9	7.9	7.9
29	7.9	7.8	7.9	8.0	8.0	8.0	8.1	8.0	8.1	8.0	7.8	7.9
30	7.9	7.8	7.9	8.0	7.9	8.0	8.1	8.0	8.1	8.0	8.0	8.0
31	7.9	7.8	7.9	---	---	---	8.1	8.0	8.1	8.0	8.0	8.0
Max	8.0	7.9	8.0	8.2	8.2	8.2	8.1	8.0	8.1	8.2	8.0	8.1
Min	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.8	7.9	7.8	7.9

08180700 Medina River near Macdona, TX—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

08180700 Medina River near Macdona, TX—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		June			July			August			September	
1	7.8	7.7	7.7	7.9	7.8	7.8	7.9	7.8	7.9	7.9	7.8	7.9
2	7.8	7.7	7.7	7.9	7.7	7.8	7.9	7.9	7.9	7.9	7.8	7.9
3	7.8	7.6	7.7	7.8	7.8	7.8	8.0	7.8	7.9	8.2	7.8	8.1
4	7.9	7.6	7.8	7.9	7.8	7.8	7.9	7.8	7.8	8.2	8.0	8.1
5	7.8	7.8	7.8	7.9	7.8	7.8	7.8	7.8	7.8	8.1	8.0	8.1
6	7.8	7.8	7.8	7.9	7.8	7.8	7.9	7.8	7.8	8.1	8.0	8.1
7	7.8	7.8	7.8	7.9	7.8	7.8	7.9	7.8	7.8	8.2	8.0	8.1
8	7.9	7.8	7.8	7.9	7.7	7.8	7.9	7.8	7.8	8.1	8.0	8.1
9	7.8	7.7	7.8	7.7	7.7	7.7	7.9	7.8	7.8	8.0	7.9	8.0
10	7.8	7.7	7.7	7.7	7.6	7.7	7.9	7.8	7.8	8.0	7.9	8.0
11	7.8	7.7	7.7	7.7	7.6	7.6	7.8	7.8	7.8	8.0	7.9	8.0
12	7.8	7.7	7.7	7.7	7.6	7.6	7.8	7.8	7.8	8.1	7.9	8.0
13	7.8	7.7	7.7	7.7	7.6	7.6	7.9	7.6	7.8	8.1	7.9	8.0
14	7.8	7.7	7.7	7.7	7.6	7.6	7.8	7.7	7.8	8.0	7.9	7.9
15	7.8	7.7	7.7	7.8	7.6	7.7	7.8	7.7	7.7	8.1	7.9	8.0
16	7.8	7.6	7.7	7.8	7.7	7.7	7.8	7.7	7.7	8.1	8.0	8.0
17	7.9	7.6	7.8	7.8	7.7	7.7	7.8	7.7	7.7	8.2	8.0	8.2
18	7.9	7.8	7.8	7.8	7.7	7.7	7.8	7.7	7.7	8.3	8.2	8.2
19	7.9	7.8	7.8	7.8	7.7	7.7	7.8	7.7	7.8	8.3	8.2	8.2
20	7.9	7.8	7.8	7.8	7.7	7.7	7.9	7.8	7.8	8.3	8.1	8.2
21	7.9	7.8	7.8	7.8	7.7	7.7	7.8	7.7	7.8	8.3	8.1	8.2
22	7.9	7.8	7.8	7.8	7.7	7.7	7.8	7.7	7.8	8.3	8.1	8.2
23	7.9	7.7	7.8	7.8	7.7	7.7	7.9	7.8	7.8	8.3	8.2	8.3
24	7.9	7.8	7.8	7.8	7.7	7.7	7.9	7.8	7.8	8.4	8.2	8.3
25	7.9	7.8	7.8	7.9	7.8	7.8	7.9	7.8	7.8	8.3	8.1	8.2
26	7.9	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.8	8.2	8.1	8.2
27	7.9	7.8	7.8	7.8	7.7	7.8	7.8	7.7	7.8	8.3	8.1	8.2
28	7.9	7.8	7.8	7.8	7.7	7.7	7.9	7.8	7.8	8.3	8.2	8.2
29	7.9	7.8	7.8	7.9	7.7	7.8	7.9	7.8	7.8	8.3	8.2	8.2
30	7.9	7.8	7.8	7.9	7.8	7.8	7.9	7.8	7.8	8.3	8.2	8.2
31	---	---	---	7.9	7.8	7.9	7.9	7.8	7.9	---	---	---
Max	7.9	7.8	7.8	7.9	7.8	7.9	8.0	7.9	7.9	8.4	8.2	8.3
Min	7.8	7.6	7.7	7.7	7.6	7.6	7.8	7.6	7.7	7.9	7.8	7.9

	Max	Min	Median
Year Maximum	8.4	8.2	8.3
Year Minimum	7.7	7.6	7.6

08180700 Medina River near Macdona, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	26.4	25.6	26.0	19.9	19.0	19.5	18.1	16.9	17.5	13.5	12.6	13.1
2	26.3	25.6	26.0	20.1	19.1	19.7	19.0	18.1	18.6	12.8	11.7	12.2
3	26.1	25.5	25.9	20.7	19.7	20.2	18.6	17.3	17.8	12.0	11.1	11.7
4	25.8	24.9	25.4	20.8	19.9	20.4	17.3	16.1	16.6	12.7	11.4	12.0
5	25.4	24.6	25.1	21.1	20.1	20.7	16.8	15.7	16.4	14.1	12.6	13.3
6	25.4	24.8	25.1	21.1	19.8	20.4	17.0	16.2	16.6	15.1	13.8	14.4
7	25.3	24.7	25.0	19.8	18.9	19.3	18.1	17.0	17.5	16.5	15.1	15.7
8	25.5	25.1	25.3	19.6	18.7	19.2	19.1	18.1	18.5	17.6	16.5	17.1
9	25.5	25.0	25.3	20.4	19.3	19.9	19.9	19.1	19.5	17.0	16.0	16.5
10	25.6	24.9	25.2	21.0	20.2	20.6	19.7	18.8	19.0	16.3	15.5	16.0
11	25.5	24.9	25.2	21.2	20.6	21.0	19.7	18.8	19.2	16.0	14.8	15.4
12	25.1	24.5	24.8	21.5	20.9	21.3	19.7	18.2	18.9	15.5	14.4	15.0
13	24.6	24.1	24.4	22.1	21.4	21.8	18.2	17.7	17.8	15.0	13.7	14.3
14	24.6	24.0	24.3	22.3	21.5	21.9	17.7	17.4	17.5	14.3	13.0	13.5
15	24.9	24.2	24.5	21.8	19.6	20.5	17.5	16.5	17.2	13.6	13.1	13.3
16	24.7	24.2	24.3	19.6	18.3	18.8	16.5	15.0	15.6	13.8	13.1	13.4
17	24.9	24.0	24.5	19.1	18.5	18.9	15.0	13.9	14.4	13.5	12.6	12.9
18	25.1	24.3	24.7	19.8	19.1	19.4	15.5	14.4	15.0	12.6	12.0	12.2
19	24.6	23.3	23.7	19.8	19.2	19.5	16.2	15.3	15.6	12.4	11.5	12.0
20	23.5	22.5	23.1	20.5	19.6	20.1	16.3	15.8	16.1	12.3	11.2	11.8
21	23.5	22.5	23.1	21.4	20.5	20.9	16.0	15.1	15.6	12.9	12.0	12.4
22	23.4	21.5	22.5	20.6	18.0	19.1	16.1	15.4	15.8	14.2	12.9	13.6
23	21.5	20.1	20.6	18.0	16.5	17.1	15.4	14.3	14.7	14.0	13.2	13.4
24	20.6	19.5	20.1	16.5	15.6	16.1	14.4	13.4	13.9	13.3	12.7	13.0
25	20.4	19.3	19.8	15.6	14.9	15.3	14.0	13.0	13.5	12.7	12.6	12.7
26	19.7	18.4	19.1	15.0	14.1	14.7	14.4	13.9	14.2	14.1	12.7	13.4
27	19.6	18.5	19.1	15.0	14.1	14.7	14.2	13.3	13.7	14.8	13.9	14.3
28	19.6	18.5	19.1	15.4	14.3	14.9	14.3	13.5	13.9	15.7	14.7	15.3
29	19.6	18.6	19.2	15.9	15.0	15.5	13.7	12.6	13.2	16.6	15.7	16.1
30	19.6	18.6	19.2	16.9	15.9	16.3	13.4	12.2	12.9	15.8	14.8	15.1
31	19.8	18.6	19.3	---	---	---	13.8	12.5	13.3	15.3	14.5	15.0
Month	26.4	18.4	23.2	22.3	14.1	18.9	19.9	12.2	16.1	17.6	11.1	13.9

08180700 Medina River near Macdona, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	14.5	13.6	14.0	19.8	18.1	18.9	22.7	21.4	21.9	22.7	21.6	22.1
2	15.0	13.9	14.4	19.8	19.2	19.5	22.1	21.6	21.8	23.9	22.4	23.1
3	16.6	15.0	16.0	20.0	18.2	19.5	22.3	21.5	21.8	23.9	22.7	23.3
4	18.1	16.6	17.5	18.2	17.0	17.6	22.7	21.7	22.0	22.9	22.1	22.5
5	19.0	18.0	18.4	17.8	16.4	17.0	22.2	20.8	21.4	23.4	22.2	22.8
6	18.0	16.4	17.3	17.6	15.9	17.0	22.4	20.7	21.4	24.0	22.7	23.2
7	16.4	15.6	16.1	16.4	15.1	15.7	22.9	21.6	22.1	24.3	23.0	23.5
8	16.3	15.3	15.8	16.1	14.9	15.4	23.3	22.3	22.8	24.3	22.4	23.3
9	17.0	15.8	16.3	16.1	15.2	15.6	23.3	22.8	23.0	25.3	23.2	24.1
10	17.6	16.6	17.3	16.6	15.7	16.2	23.9	22.8	23.3	25.9	24.3	25.0
11	18.1	17.6	17.9	17.2	15.5	16.3	23.5	22.5	23.0	25.5	24.2	24.8
12	18.4	17.5	18.0	17.6	16.3	16.9	22.6	21.4	22.1	24.3	23.3	23.6
13	17.5	16.4	16.9	18.5	17.0	17.7	21.5	20.4	20.9	24.9	23.2	23.9
14	16.9	16.2	16.5	20.2	18.1	19.1	21.2	19.9	20.4	25.6	23.9	24.7
15	17.5	16.6	17.2	20.6	19.1	19.7	20.8	19.5	20.1	25.4	24.0	24.7
16	17.5	16.6	17.2	19.6	19.2	19.3	20.7	19.8	20.1	25.0	23.7	24.3
17	17.2	16.0	16.6	20.5	19.4	19.9	21.6	20.0	20.7	24.1	23.3	23.7
18	17.2	16.3	16.6	21.4	20.4	20.8	21.6	20.4	20.9	24.5	22.5	23.4
19	16.8	16.1	16.3	20.4	19.4	19.9	21.5	20.1	20.7	24.9	22.8	23.8
20	17.6	16.5	17.1	19.4	18.2	18.9	21.2	20.3	20.7	25.7	23.6	24.5
21	19.0	17.5	18.3	19.2	18.3	18.9	21.4	20.8	21.1	26.4	24.6	25.3
22	19.4	18.3	18.8	20.0	18.9	19.4	22.8	21.3	22.0	26.2	25.0	25.5
23	18.8	18.0	18.3	19.7	18.7	19.4	22.9	22.5	22.6	27.3	25.3	26.2
24	19.8	18.3	19.0	19.4	18.3	18.8	23.1	22.5	22.8	27.7	25.8	26.6
25	20.0	18.8	19.3	19.2	18.3	18.7	23.3	22.8	23.0	27.7	26.3	26.9
26	19.5	18.0	18.9	20.8	18.8	19.8	23.7	22.6	23.1	27.8	26.4	27.0
27	18.0	16.8	17.4	21.4	20.4	20.8	23.4	22.0	22.9	27.7	26.4	26.9
28	17.8	16.5	17.0	21.2	20.6	21.0	22.3	21.2	21.7	27.9	26.3	26.9
29	18.6	17.1	17.9	20.7	20.3	20.5	21.8	20.7	21.2	27.8	26.1	26.8
30	---	---	---	21.3	20.5	20.8	22.1	20.7	21.3	27.7	25.9	26.7
31	---	---	---	21.6	21.0	21.3	---	---	---	27.9	26.0	26.8
Month	20.0	13.6	17.2	21.6	14.9	18.7	23.9	19.5	21.8	27.9	21.6	24.7

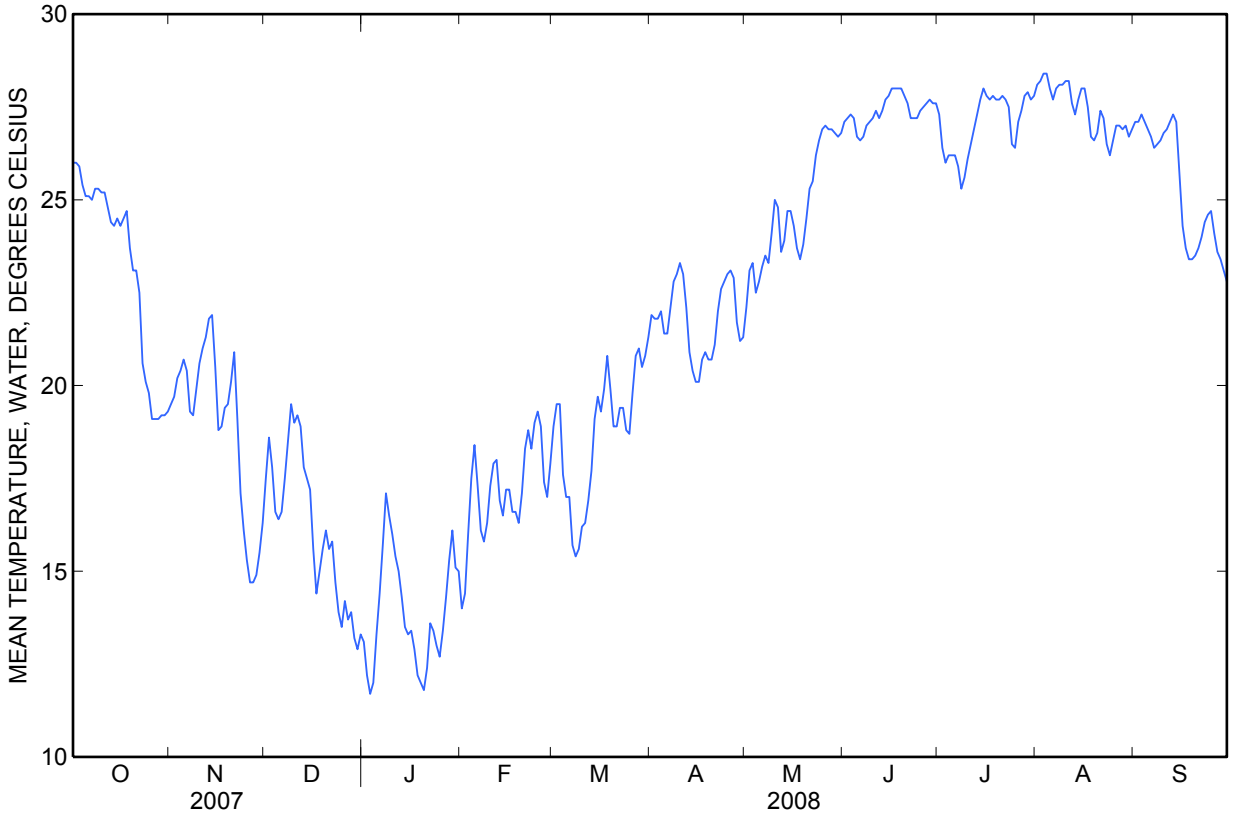
08180700 Medina River near Macdona, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	28.1	26.3	27.1	27.9	26.9	27.3	28.9	27.5	28.1	27.9	26.4	27.1
2	28.3	26.5	27.2	26.9	26.0	26.4	28.9	27.6	28.2	28.0	26.4	27.1
3	28.3	26.5	27.3	26.5	25.6	26.0	29.4	27.6	28.4	28.1	26.6	27.3
4	28.1	26.5	27.2	27.0	25.6	26.2	29.4	27.6	28.4	27.8	26.4	27.1
5	27.1	26.4	26.7	27.0	25.7	26.2	28.7	27.5	28.0	27.7	26.2	26.9
6	27.2	26.1	26.6	26.9	25.7	26.2	28.7	26.9	27.7	27.5	26.0	26.7
7	27.5	26.1	26.7	26.5	25.3	25.9	29.0	27.3	28.0	27.2	25.7	26.4
8	27.8	26.3	27.0	25.9	25.0	25.3	29.1	27.3	28.1	27.3	25.9	26.5
9	27.9	26.5	27.1	26.3	25.1	25.6	29.0	27.3	28.1	27.2	26.2	26.6
10	28.1	26.6	27.2	27.0	25.5	26.1	29.2	27.4	28.2	27.5	26.2	26.8
11	28.2	26.8	27.4	27.6	25.8	26.5	28.9	27.6	28.2	27.7	26.4	26.9
12	28.0	26.7	27.2	28.0	26.1	26.9	28.3	27.1	27.6	27.7	26.6	27.1
13	28.4	26.8	27.4	28.4	26.5	27.3	28.2	26.6	27.3	28.1	26.6	27.3
14	28.7	26.9	27.7	28.7	26.8	27.7	28.8	27.0	27.7	27.4	26.7	27.1
15	28.8	27.1	27.8	29.0	27.2	28.0	28.9	27.3	28.0	26.7	24.9	25.7
16	29.0	27.2	28.0	28.3	27.3	27.8	28.8	27.4	28.0	24.9	23.9	24.3
17	28.8	27.4	28.0	28.6	27.0	27.7	27.8	27.1	27.5	24.3	23.1	23.7
18	28.9	27.3	28.0	28.7	27.1	27.8	27.1	26.3	26.7	23.9	23.0	23.4
19	28.9	27.2	28.0	28.6	27.1	27.7	27.4	26.0	26.6	24.2	22.7	23.4
20	28.7	27.1	27.8	28.6	27.0	27.7	27.5	26.1	26.8	24.3	22.7	23.5
21	28.5	27.0	27.6	28.7	27.1	27.8	28.0	27.0	27.4	24.5	22.9	23.7
22	28.0	26.5	27.2	28.6	26.9	27.7	27.8	26.9	27.2	24.8	23.3	24.0
23	28.1	26.5	27.2	27.9	27.1	27.5	26.9	26.1	26.5	25.0	23.8	24.4
24	28.0	26.6	27.2	27.2	26.0	26.5	27.1	25.6	26.2	25.2	24.2	24.6
25	28.3	26.8	27.4	27.3	25.8	26.4	27.3	26.0	26.6	25.3	24.2	24.7
26	28.4	26.8	27.5	28.0	26.4	27.1	27.9	26.4	27.0	24.8	23.4	24.1
27	28.5	26.9	27.6	28.5	26.6	27.4	27.7	26.5	27.0	24.3	22.9	23.6
28	28.6	27.0	27.7	28.9	27.0	27.8	27.7	26.4	26.9	24.2	22.7	23.4
29	28.2	27.0	27.6	28.8	27.2	27.9	27.3	26.6	27.0	24.0	22.4	23.1
30	28.3	27.0	27.6	28.3	27.2	27.7	27.5	26.2	26.7	23.7	22.0	22.8
31	---	---	---	28.8	27.1	27.8	27.7	26.2	26.9	---	---	---
Month	29.0	26.1	27.4	29.0	25.0	27.0	29.4	25.6	27.5	28.1	22.0	25.3

	Max	Min	Mean
Year	29.4	11.1	21.8

08180700 Medina River near Macdona, TX—Continued



08180700 Medina River near Macdona, TX—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	7.4	7.1	7.2	9.0	8.0	8.4	9.0	8.6	8.8	10.9	9.5	10.1
2	7.4	7.1	7.2	8.9	7.9	8.3	9.0	8.4	8.7	11.1	9.8	10.4
3	7.4	7.1	7.2	8.8	7.8	8.3	9.2	8.5	8.8	11.4	10.0	10.6
4	7.5	7.1	7.3	8.8	7.8	8.2	9.4	8.7	9.0	11.1	9.9	10.4
5	7.7	7.2	7.4	8.7	7.7	8.1	9.5	8.7	9.1	11.0	9.6	10.2
6	7.7	7.2	7.4	8.3	7.6	7.9	9.5	8.8	9.1	10.6	9.2	9.7
7	7.7	7.2	7.4	8.4	7.8	8.1	9.2	8.6	8.9	9.9	8.9	9.3
8	7.6	7.1	7.3	8.6	8.0	8.3	8.9	8.3	8.6	9.8	8.5	9.0
9	7.8	7.2	7.4	8.5	7.9	8.1	8.6	8.0	8.3	9.9	8.5	9.1
10	7.7	7.2	7.4	8.3	7.6	7.9	8.6	7.9	8.2	10.0	8.6	9.2
11	7.6	7.1	7.3	8.2	7.5	7.8	8.6	8.0	8.3	10.2	8.7	9.3
12	7.9	7.1	7.4	8.1	7.4	7.7	8.3	7.9	8.1	10.4	9.0	9.5
13	7.9	7.3	7.5	8.1	7.4	7.6	8.9	8.2	8.5	10.6	9.2	9.8
14	7.8	7.3	7.5	8.0	7.3	7.6	8.5	8.3	8.4	10.6	9.4	9.9
15	7.8	7.2	7.5	8.4	7.3	7.9	9.0	8.2	8.6	10.0	9.5	9.7
16	7.7	7.2	7.4	8.8	7.9	8.3	9.5	8.6	9.1	10.6	9.6	10
17	7.8	7.2	7.4	8.4	8.0	8.2	9.9	9.0	9.4	10.6	9.6	10.0
18	7.8	7.1	7.4	8.5	7.9	8.2	9.9	9.0	9.4	10.5	9.8	10.1
19	7.9	7.3	7.6	8.5	7.9	8.2	9.3	8.8	9.1	11.3	10.0	10.6
20	8.0	7.4	7.6	8.4	7.9	8.1	9.7	8.6	9.1	11.5	10.2	10.8
21	8.0	7.4	7.6	8.3	7.6	7.9	9.8	8.7	9.2	10.7	10.1	10.3
22	7.9	7.3	7.6	8.5	7.7	8.1	9.8	8.6	9.2	10.9	9.8	10.2
23	8.5	7.6	8.0	8.8	8.3	8.6	10.2	8.9	9.5	10.4	9.6	9.9
24	8.6	7.9	8.2	9.0	8.5	8.8	10.4	9.2	9.7	10.8	9.7	10.2
25	8.7	7.9	8.3	9.4	8.8	9.1	10.5	9.3	9.8	10.6	10.0	10.3
26	8.9	8.1	8.4	9.7	9.1	9.4	10.4	9.1	9.7	11.1	9.9	10.4
27	9.0	8.1	8.4	9.9	9.2	9.5	10.4	9.2	9.7	10.9	9.7	10.2
28	9.1	8.1	8.5	9.8	9.2	9.5	10.5	9.2	9.8	10.4	9.4	9.7
29	9.1	8.1	8.5	9.7	9.0	9.3	10.6	9.4	9.9	10.9	9.1	9.8
30	9.1	8.1	8.5	9.3	8.8	9.1	10.7	9.5	10.0	11.0	9.8	10.3
31	9.1	8.0	8.5	---	---	---	10.7	9.5	10	11.2	9.8	10.4
Month	9.1	7.1	7.7	9.9	7.3	8.3	10.7	7.9	9.1	11.5	8.5	10.0

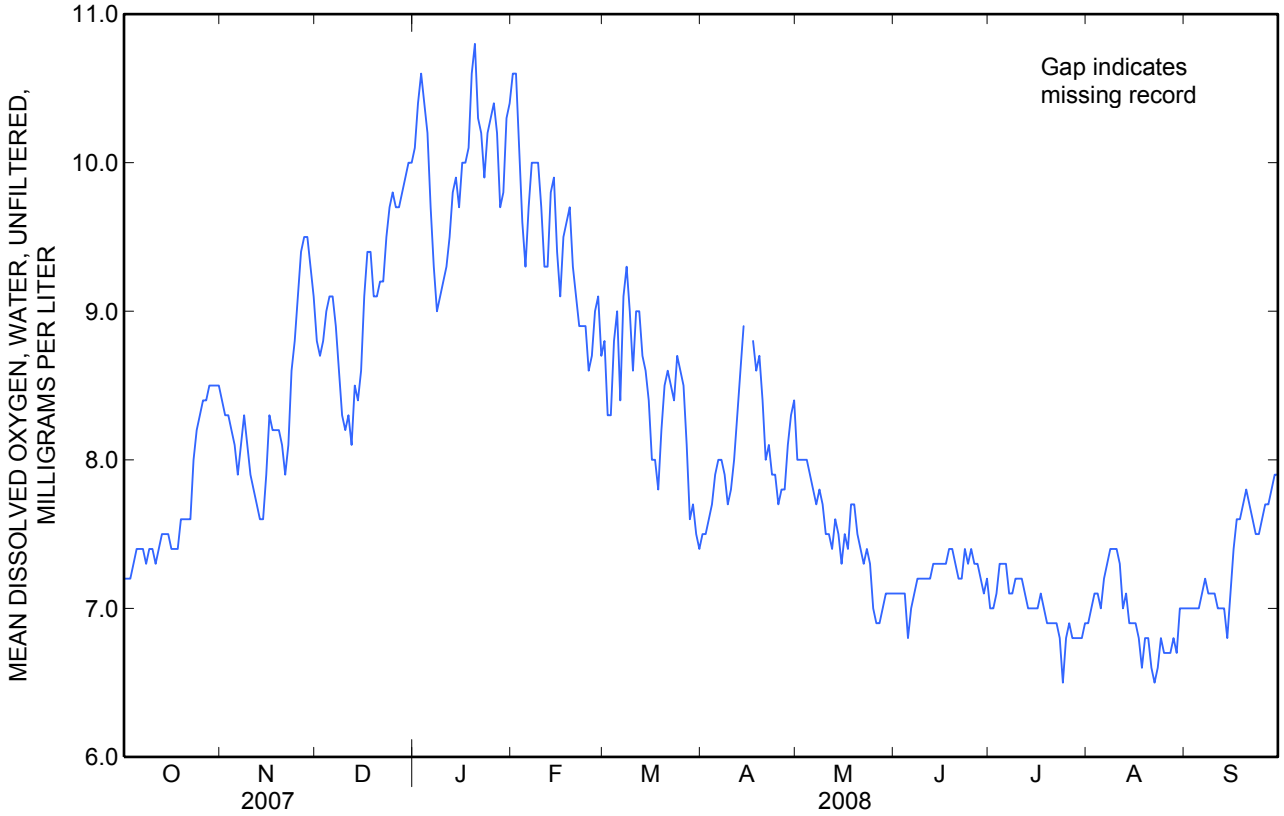
08180700 Medina River near Macdona, TX—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	11.3	10.2	10.6	9.7	8.3	8.8	8.1	7.2	7.5	8.7	7.6	8.0
2	11.3	10.0	10.6	8.9	7.9	8.3	7.9	7.2	7.5	8.9	7.4	8.0
3	10.8	9.7	10.1	9.3	7.6	8.3	8.1	7.3	7.6	9.1	7.3	8.0
4	10.3	9.2	9.6	9.6	8.2	8.8	8.4	7.3	7.7	9.0	7.4	8.0
5	10.1	8.8	9.3	9.8	8.3	9.0	8.6	7.5	7.9	8.9	7.4	7.9
6	10.5	9.1	9.7	8.7	8.1	8.4	8.7	7.6	8.0	8.8	7.3	7.8
7	10.7	9.4	10	10.0	8.3	9.1	8.5	7.6	8.0	8.7	7.2	7.7
8	10.8	9.5	10.0	10.2	8.7	9.3	8.5	7.5	7.9	9.0	7.2	7.8
9	10.8	9.4	10	9.5	8.5	9.0	8.1	7.4	7.7	8.9	7.0	7.7
10	10.4	9.2	9.7	9.1	8.3	8.6	8.5	7.4	7.8	8.7	6.8	7.5
11	9.9	9.0	9.3	9.9	8.4	9.0	8.6	7.5	8.0	8.7	6.7	7.5
12	10.0	8.8	9.3	10.1	8.2	9.0	9.0	7.8	8.3	8.2	6.9	7.4
13	10.7	9.2	9.8	9.7	8.1	8.7	9.3	8.1	8.6	8.9	6.8	7.6
14	10.6	9.4	9.9	9.7	7.9	8.6	9.6	8.4	8.9	8.5	6.8	7.5
15	9.7	9.1	9.4	9.5	7.6	8.4	---	8.5	---	8.3	6.6	7.3
16	9.5	8.9	9.1	8.8	7.6	8.0	9.7	---	---	8.6	6.7	7.5
17	10.3	9.0	9.5	8.8	7.5	8.0	9.8	8.3	8.8	8.2	6.8	7.4
18	10.3	9.2	9.6	8.6	7.3	7.8	9.4	8.0	8.6	8.9	6.9	7.7
19	10.4	9.2	9.7	9.1	7.6	8.2	9.6	8.1	8.7	8.8	6.9	7.7
20	9.9	9.0	9.3	9.4	7.9	8.5	9.0	8.0	8.4	8.7	6.8	7.5
21	9.7	8.7	9.1	9.4	8.0	8.6	8.4	7.8	8.0	8.7	6.6	7.4
22	9.7	8.4	8.9	9.4	7.9	8.5	8.9	7.6	8.1	8.1	6.7	7.3
23	9.7	8.4	8.9	9.3	7.8	8.4	8.3	7.6	7.9	8.5	6.6	7.4
24	9.6	8.3	8.9	9.5	8.0	8.7	8.5	7.4	7.9	8.5	6.5	7.3
25	9.4	8.1	8.6	9.4	8.1	8.6	8.2	7.4	7.7	8.1	6.3	7.0
26	9.6	8.1	8.7	9.3	7.9	8.5	8.5	7.4	7.8	8.1	6.3	6.9
27	9.8	8.4	9.0	8.9	7.6	8.1	8.3	7.4	7.8	8.0	6.3	6.9
28	9.9	8.6	9.1	7.9	7.4	7.6	9.0	7.5	8.1	8.2	6.3	7.0
29	9.4	8.2	8.7	8.3	7.4	7.7	9.1	7.7	8.3	8.4	6.3	7.1
30	---	---	---	7.9	7.2	7.5	9.2	7.8	8.4	8.5	6.4	7.1
31	---	---	---	7.8	7.2	7.4	---	---	---	8.4	6.3	7.1
Month	11.3	8.1	9.5	10.2	7.2	8.4	---	---	---	9.1	6.3	7.5

08180700 Medina River near Macdona, TX—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	8.5	6.3	7.1	8.3	6.4	7.0	7.8	6.4	6.9	7.7	6.6	7.0
2	8.5	6.2	7.1	7.8	6.4	7.0	7.9	6.5	7.0	7.8	6.5	7.0
3	8.5	6.2	7.1	7.9	6.6	7.1	8.1	6.5	7.1	7.8	6.5	7.0
4	8.6	6.1	7.1	8.3	6.8	7.3	8.1	6.5	7.1	7.9	6.5	7.0
5	7.8	6.3	6.8	8.2	6.7	7.3	7.9	6.7	7.0	7.9	6.6	7.0
6	8.2	6.3	7.0	8.2	6.8	7.3	8.3	6.5	7.2	8.0	6.6	7.1
7	8.4	6.5	7.1	8.0	6.8	7.1	8.5	6.8	7.3	8.1	6.7	7.2
8	8.5	6.4	7.2	7.7	6.8	7.1	8.5	6.8	7.4	8.0	6.6	7.1
9	8.5	6.4	7.2	7.9	6.7	7.2	8.6	6.7	7.4	7.8	6.7	7.1
10	8.7	6.4	7.2	8.1	6.7	7.2	8.6	6.8	7.4	7.9	6.6	7.1
11	8.6	6.5	7.2	8.3	6.5	7.2	8.5	6.8	7.3	7.9	6.6	7.0
12	8.6	6.5	7.2	8.4	6.5	7.1	7.5	6.8	7.0	7.9	6.5	7.0
13	8.7	6.3	7.3	8.3	6.3	7.0	7.7	6.7	7.1	7.9	6.5	7.0
14	8.8	6.3	7.3	8.2	6.3	7.0	7.8	6.5	6.9	7.6	6.4	6.8
15	9.0	6.4	7.3	8.4	6.2	7.0	7.8	6.4	6.9	7.9	6.6	7.1
16	9.0	6.4	7.3	8.0	6.3	7.0	7.9	6.4	6.9	8.4	6.9	7.4
17	8.9	6.4	7.3	8.2	6.4	7.1	7.4	6.3	6.8	8.7	7.1	7.6
18	9.1	6.5	7.4	8.1	6.4	7.0	7.1	6.4	6.6	8.5	7.1	7.6
19	9.0	6.5	7.4	7.9	6.4	6.9	7.6	6.4	6.8	8.8	7.2	7.7
20	8.9	6.4	7.3	7.8	6.3	6.9	7.2	6.4	6.8	8.8	7.2	7.8
21	8.8	6.4	7.2	7.9	6.3	6.9	7.1	6.2	6.6	8.8	7.2	7.7
22	8.4	6.5	7.2	8.0	6.3	6.9	7.1	6.1	6.5	8.6	7.1	7.6
23	8.7	6.6	7.4	7.6	6.3	6.8	7.2	6.3	6.6	8.4	7.1	7.5
24	8.7	6.6	7.3	6.8	6.3	6.5	7.6	6.4	6.8	8.4	7.0	7.5
25	8.8	6.6	7.4	7.5	6.4	6.8	7.2	6.3	6.7	8.7	6.9	7.6
26	8.6	6.5	7.3	7.7	6.4	6.9	7.4	6.3	6.7	8.9	7.0	7.7
27	8.7	6.5	7.3	7.7	6.3	6.8	7.3	6.3	6.7	8.9	7.1	7.7
28	8.5	6.4	7.2	7.7	6.3	6.8	7.5	6.4	6.8	8.9	7.2	7.8
29	8.4	6.4	7.1	7.9	6.2	6.8	7.2	6.4	6.7	9.0	7.3	7.9
30	8.5	6.4	7.2	7.7	6.3	6.8	7.8	6.5	7.0	9.1	7.4	7.9
31	---	---	---	7.9	6.4	6.9	7.8	6.6	7.0	---	---	---
Month	9.1	6.1	7.2	8.4	6.2	7.0	8.6	6.1	6.9	9.1	6.4	7.3

08180700 Medina River near Macdona, TX—Continued