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Water-Data Report 2007

**08180500 Medina River near Riomedina, TX**

San Antonio Basin  
Medina Subbasin

LOCATION.--Lat 29°29'52.8", long 98°54'19.8" referenced to North American Datum of 1983, Medina County, TX, Hydrologic Unit 12100302, on left bank at bridge at Haby's Crossing, 0.9 mi downstream from Bexar-Medina-Atascosa Counties Water Control and Improvement District No. 1 Diversion Dam, 4.2 mi northwest of Riomedina, 10.0 mi north of Castroville, 10.4 mi upstream from San Geronimo Creek, and 66.4 mi upstream from mouth.

DRAINAGE AREA.--650 mi<sup>2</sup>, of which 634 mi<sup>2</sup> is above dam forming Medina Lake.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Jan. 1922 to Sept. 1934 (daily record of flow over dam and monthly or annual record of seepage under dam), Jan. 1953 to Sept. 1973, Jan. 2001 to Sept. 30, 2007 (daily mean discharges less than 1,000 ft<sup>3</sup>/s) (discontinued).

REVISED RECORDS.--WSP 1923: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 857.28 ft above NGVD of 1929 (river profile survey). Prior to Sept. 30, 1934, water-stage recorder at upstream side of Medina Diversion Dam 0.9 mi upstream at different datum. Jan. 1953 to July 15, 1973, water-stage recorder on left bank 233 ft upstream from bridge at Haby's Crossing at different datum. July 27, 1973 to Sept. 30, 1973, nonrecording gage on left bank 233 ft upstream from bridge at Haby's Crossing at different datum. Satellite telemeter at station.

REMARKS.--Records good, except those for estimated daily discharges, which are fair. Since installation of gage in water year 1922, 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 Medina Diversion Dam. There are several small diversions below Medina Diversion Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 33.88 ft, July 5, 2002; no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.92 ft, Aug. 17; minimum discharge, 18 ft<sup>3</sup>/s, Oct. 29.

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**08180500 Medina River near Riomedina, TX—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**  
[e, estimated]

<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>	21	19	23	25	29	19	80	86	95	156	---	853
<b>2</b>	21	19	e24	25	28	22	77	93	50	149	---	828
<b>3</b>	21	20	e24	27	28	25	72	95	45	---	---	759
<b>4</b>	21	21	e24	27	27	26	67	92	43	222	---	---
<b>5</b>	21	21	25	27	27	27	61	89	41	176	945	---
<b>6</b>	21	21	25	26	27	28	61	86	40	166	839	---
<b>7</b>	21	21	25	26	26	28	61	81	41	160	756	---
<b>8</b>	21	21	26	26	26	29	66	77	39	154	722	---
<b>9</b>	20	21	26	25	25	29	64	78	38	150	649	---
<b>10</b>	21	21	26	25	25	30	65	88	38	146	590	---
<b>11</b>	20	20	26	25	25	32	64	85	37	143	535	---
<b>12</b>	21	21	26	27	24	48	60	77	35	140	487	---
<b>13</b>	20	21	26	29	24	47	66	74	36	141	449	894
<b>14</b>	21	21	26	29	23	118	66	72	36	142	419	812
<b>15</b>	20	21	26	30	22	100	57	71	36	145	393	764
<b>16</b>	20	21	26	31	22	82	60	71	38	142	---	736
<b>17</b>	20	22	25	31	22	68	62	68	92	142	---	679
<b>18</b>	20	22	25	31	21	59	62	68	110	144	---	659
<b>19</b>	20	22	25	32	21	52	60	68	108	143	---	617
<b>20</b>	20	22	25	31	21	48	61	68	116	202	---	569
<b>21</b>	20	22	25	31	21	45	61	71	109	---	---	531
<b>22</b>	20	22	25	31	21	43	61	73	111	---	---	498
<b>23</b>	e20	22	26	32	21	42	61	68	113	---	---	469
<b>24</b>	e20	22	25	33	20	39	61	68	113	---	---	441
<b>25</b>	20	22	25	33	20	38	69	85	112	---	---	429
<b>26</b>	19	23	25	33	19	50	57	82	114	---	---	414
<b>27</b>	19	23	25	33	19	59	58	---	112	---	997	390
<b>28</b>	19	23	25	32	19	62	58	150	---	---	891	357
<b>29</b>	19	23	25	e32	---	63	58	140	179	---	837	332
<b>30</b>	19	23	25	31	---	69	86	134	165	---	812	317
<b>31</b>	19	---	25	30	---	89	---	125	---	---	804	---
<b>Total</b>	625	643	780	906	653	1,516	1,922	---	---	---	---	---
<b>Mean</b>	20.2	21.4	25.2	29.2	23.3	48.9	64.1	---	---	---	---	---
<b>Max</b>	21	23	26	33	29	118	86	---	---	---	---	---
<b>Min</b>	19	19	23	25	19	19	57	---	---	---	---	---
<b>Ac-ft</b>	1,240	1,280	1,550	1,800	1,300	3,010	3,810	---	---	---	---	---