05330000 MINNESOTA RIVER NEAR JORDAN, MN

Minnesota Basin
Lower Minnesota Subbasin

LOCATION.--Lat 44°41′35″, long 93°38′30″ referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.7, T.114 N., R.23 W., Carver County, MN, Hydrologic Unit 07020012, on right bank 100 ft downstream from bridge on Scott County Highway 9, 1.5 mi northwest of Jordan, and at mile 39.4 uptream from Mississippi River.

DRAINAGE AREA.--16,200 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1934 to current year. Prior to Oct. 1, 1966, published as "near Carver, Minn".

REVISED RECORDS.--WSP 955: Drainage area. WSP 1508: 1935. WDR MN-87-2: 1976 (cal. yr. summary).

GAGE.--Water-stage recorder. Datum of gage is 690.00 ft above sea level (NGVD of 1929). Prior to Oct. 1, 1966, water-stage recorder 2.8 mi downstream with auxiliary nonrecording gage at present site and present datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair to poor.

05330000 MINNESOTA RIVER NEAR JORDAN, MN—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,250	939	949	1,410	e976	e944	20,600	12,300	7,900	4,560	1,140	3,320
2	1,260	912	578	1,150	e931	e944	21,500	12,000	7,820	4,350	1,070	3,100
3	1,230	880	e541	1,350	e885	e868	22,500	11,700	7,850	4,220	972	2,820
4	1,200	877	e592	1,840	e864	e833	23,500	11,200	7,900	4,080	913	2,560
5	1,180	882	e626	2,750	e838	e823	24,500	10,900	8,150	3,950	918	2,300
6	1,160	873	e695	3,140	e823	e823	24,900	10,700	8,570	3,730	922	2,070
7	1,140	886	e699	2,910	e809	e843	24,500	10,700	8,980	3,410	890	1,970
8	1,100	886	e793	e2,560	e797	e879	23,400	10,800	8,860	3,110	860	1,840
9	1,050	895	e853	e2,350	e792	e925	22,200	11,400	8,460	2,950	861	1,770
10	1,030	983	e824	e2,170	e786	e1,020	20,900	12,100	8,040	2,780	882	1,690
11	1,020	938	e807	e2,010	e803	e1,170	19,700	12,300	7,530	2,560	1,030	1,990
12	1,010	928	e854	e1,960	e780	e1,360	18,600	12,200	7,230	2,310	996	2,190
13	992	921	e890	e1,300	e786	e1,640	17,600	12,000	7,540	2,120	863	2,040
14	947	914	e900	e868	e731	e3,270	16,800	11,600	7,580	1,970	814	1,870
15	920	948	e965	e1,020	e665	e9,580	16,200	11,100	7,280	1,810	771	1,750
16	910	950	e945	e1,140	e657	e13,900	15,800	10,700	6,980	1,670	783	1,640
17	922	933	e925	e1,320	e657	e17,000	15,700	10,300	6,700	1,580	831	1,550
18	937	943	e938	e1,380	e660	e20,600	15,600	9,850	6,900	1,510	827	1,500
19	965	932	e900	e1,270	e679	e28,900	15,300	9,460	7,340	1,420	1,260	1,470
20	947	928	e875	e1,330	e718	e31,100	14,900	9,230	7,330	1,360	3,310	1,440
21	929	917	e956	e1,460	e744	31,700	14,400	9,140	7,100	1,300	5,480	1,450
22	922	919	e979	e1,500	e789	32,500	13,800	9,000	6,750	1,250	6,840	1,460
23	918	924	e966	e1,540	e833	32,700	13,400	8,570	6,590	1,230	7,360	1,480
24	904	957	e944	e1,430	e838	31,700	13,200	8,110	6,350	1,230	7,490	1,540
25	927	999	e992	e1,280	e881	29,900	13,000	7,900	6,030	1,200	7,310	1,640
26	1,040	949	e979	e1,180	e923	27,900	12,800	8,000	5,790	1,140	6,960	1,720
27	1,040	913	e969	e1,230	e938	26,000	12,700	8,590	5,520	1,170	6,360	1,710
28	987	996	e984	e1,140	e938	24,100	12,600	9,240	5,240	1,450	5,570	1,960
29	996	1,080	e1,070	e1,130	---	22,400	12,500	9,140	4,990	1,390	4,790	2,220
30	1,000	1,110	1,170	e1,090	---	21,000	12,500	8,680	4,730	1,220	4,160	2,470
31	963	---	1,330	e1,030	---	20,300	---	8,290	---	1,170	3,640	---
Total	31,796	28,112	27,488	49,238	22,521	437,622	525,600	317,200	214,030	69,200	86,873	58,530
Mean	1,026	937	887	1,588	804	14,120	17,520	10,230	7,134	2,232	2,802	1,951
Max	1,260	1,110	1,330	3,140	976	32,700	24,900	12,300	8,980	4,560	7,490	3,320
Min	904	873	541	868	657	823	12,500	7,900	4,730	1,140	771	1,440
Ac-ft	63,070	55,760	54,520	97,660	44,670	868,000	1,043,000	629,200	424,500	137,300	172,300	116,100
Cfsm	0.06	0.06	0.05	0.10	0.05	0.87	1.08	0.63	0.44	0.14	0.17	0.12
In.	0.07	0.06	0.06	0.11	0.05	1.00	1.21	0.73	0.49	0.16	0.20	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2007, BY WATER YEAR (WY)

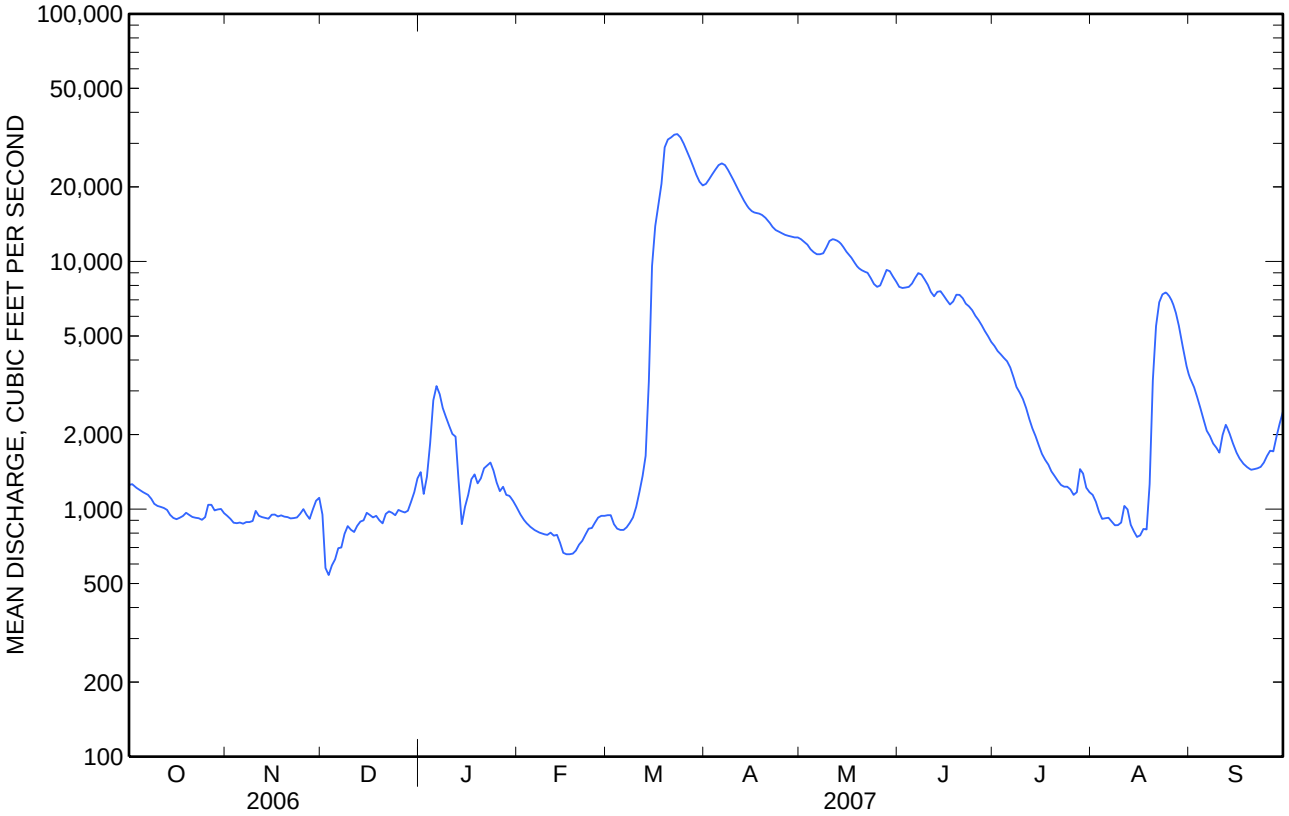
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,311	2,168	1,543	981	1,089	5,161	12,880	8,524	8,193	5,884	3,259	2,301
Max	16,030	9,463	5,216	4,158	6,218	21,170	59,030	31,480	41,460	38,640	25,660	14,460
(WY)	(1969)	(1996)	(1983)	(2006)	(2006)	(1983)	(2001)	(2001)	(1993)	(1993)	(1993)	(1993)
Min	167	178	158	111	130	322	926	923	633	279	178	183
(WY)	(1935)	(1935)	(1977)	(1940)	(1940)	(1940)	(1959)	(1959)	(1976)	(1936)	(1936)	(1976)

05330000 MINNESOTA RIVER NEAR JORDAN, MN—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1935 - 2007	
Annual total	2,388,921		1,868,210			
Annual mean	6,545		5,118		[a]4,530	
Highest annual mean					16,910	1993
Lowest annual mean					687	1940
Highest daily mean	36,700	Apr 12	32,700	Mar 23	112,000	Apr 11, 1965
Lowest daily mean	541	Dec 3	541	Dec 3	85	Jan 21, 1940
Annual seven-day minimum	646	Dec 2	646	Dec 2	89	Jan 20, 1940
Maximum peak flow			[b]32,800	Mar 20	117,000	Apr 11, 1965
Maximum peak stage			[c]26.05	Mar 19	35.07	Apr 12, 1965
Instantaneous low flow			[d]517	Dec 2	79	Nov 17, 1955
Annual runoff (ac-ft)	4,738,000		3,706,000		3,282,000	
Annual runoff (cfsm)	0.404		0.316		0.280	
Annual runoff (inches)	5.49		4.29		3.80	
10 percent exceeds	19,300		14,100		12,000	
50 percent exceeds	3,690		1,440		1,900	
90 percent exceeds	900		838		340	

[a] Median of annual mean discharges is 3,800 ft³/s.
[b] At gage-height of 25.30 ft.
[c] Result of ice jam.
[d] Result of freezeup.



WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 1 of 2

Date	Time	Sample type	Transparency wat unf transparency tube, cm (65225)	Turbdty white light, det ang 90+/-30 degrees NTU (63675)	Residue total non-filterable, mg/L (00530)	Residue volatile, suspended, mg/L (00535)	Suspnd. sediment, falldia dst wat percent <.063mm (70342)	Suspnd. sediment, falldia dst wat percent <.125mm (70343)	Suspnd. sediment, falldia dst wat percent <.25mm (70344)	Suspnd. sediment, falldia dst wat percent <.5 mm (70345)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)
Oct												
17...	1210	Environmental	22	30	35	12	--	--	--	--	71	119
Mar												
19...	1409	Environmental	7	159	--	--	.0	33	80	100	--	403
May												
15...	1053	Environmental	16.5	48	88	10	75	98	100	--	--	198
15...	1230	Bed material	--	--	--	--	--	--	--	--	--	--
Jul												
10...	0903	Environmental	8.6	77	125	16	97	98	100	--	--	192
10...	0955	Bed material	--	--	--	--	--	--	--	--	--	--
Aug												
30...	1240	Environmental	7.5	79	134	15	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 2

Date	Bed sediment, dry svd sve dia percent <.063mm (80164)	Bed sediment, dry svd sve dia percent <.125mm (80165)	Bed sediment, dry svd sve dia percent <.25mm (80166)	Bed sediment, dry svd sve dia percent <.5 mm (80167)	Bed sediment, dry svd sve dia percent <1 mm (80168)	Bed sediment, dry svd sve dia percent <2 mm (80169)
Oct						
17...	--	--	--	--	--	--
Mar						
19...	--	--	--	--	--	--
May						
15...	--	--	--	--	--	--
15...	4	27	83	95	99	100
Jul						
10...	--	--	--	--	--	--
10...	8	44	98	100	--	--
Aug						
30...	--	--	--	--	--	--