

Water-Data Report 2010

05534050 DES PLAINES RIVER AT LOCKPORT, IL

Upper Illinois Basin
Des Plaines Subbasin

LOCATION.--Lat 41°35'47", long 88°04'07" referenced to North American Datum of 1983, in NE ¼ NE ¼ NW ¼ sec.22, T.36 N., R.10 E., Will County, IL, Hydrologic Unit 07120004, at downstream side of bridge in Material Service Company Yard, 0.3 mi. upstream of State Highway 7, 0.4 mi. west of Lockport, and at mile 20.1.

DRAINAGE AREA.--700.00 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.—

SURFACE-WATER DISCHARGE AND STAGE

DISCHARGE: March 2010 to current year.

STAGE: March 2010 to current year.

PARTIAL RECORD: Discharge measurements, water years 1971, 1976, and 1996.

SURFACE-WATER QUALITY

CHEMICAL: Water years 1978-90. Additional chemical data for water years 1964-77 are published in Water-Resources Investigations 78-22 and 79-23 as site G 11.

GAGE.--Water-stage recorder, velocity meter, and satellite telemeter. Datum of gage is 579.48 ft. above NGVD of 1929 (0.00 feet Chicago City Datum (CCD)).

REMARKS.--Discharge records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 7,520 ft³/s, July 25, 2010, gage height -12.09 ft; Maximum gage height -10.63 ft. July 25, 2010, discharge 6,510 ft³/s; Minimum discharge 114 ft³/s, July 22, 2010.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 7,520 ft³/s, July 25, 2010, gage height -12.09 ft; Maximum gage height -10.63 ft. July 25, 2010, discharge 6,510 ft³/s; Minimum discharge 114 ft³/s, July 22, 2010.

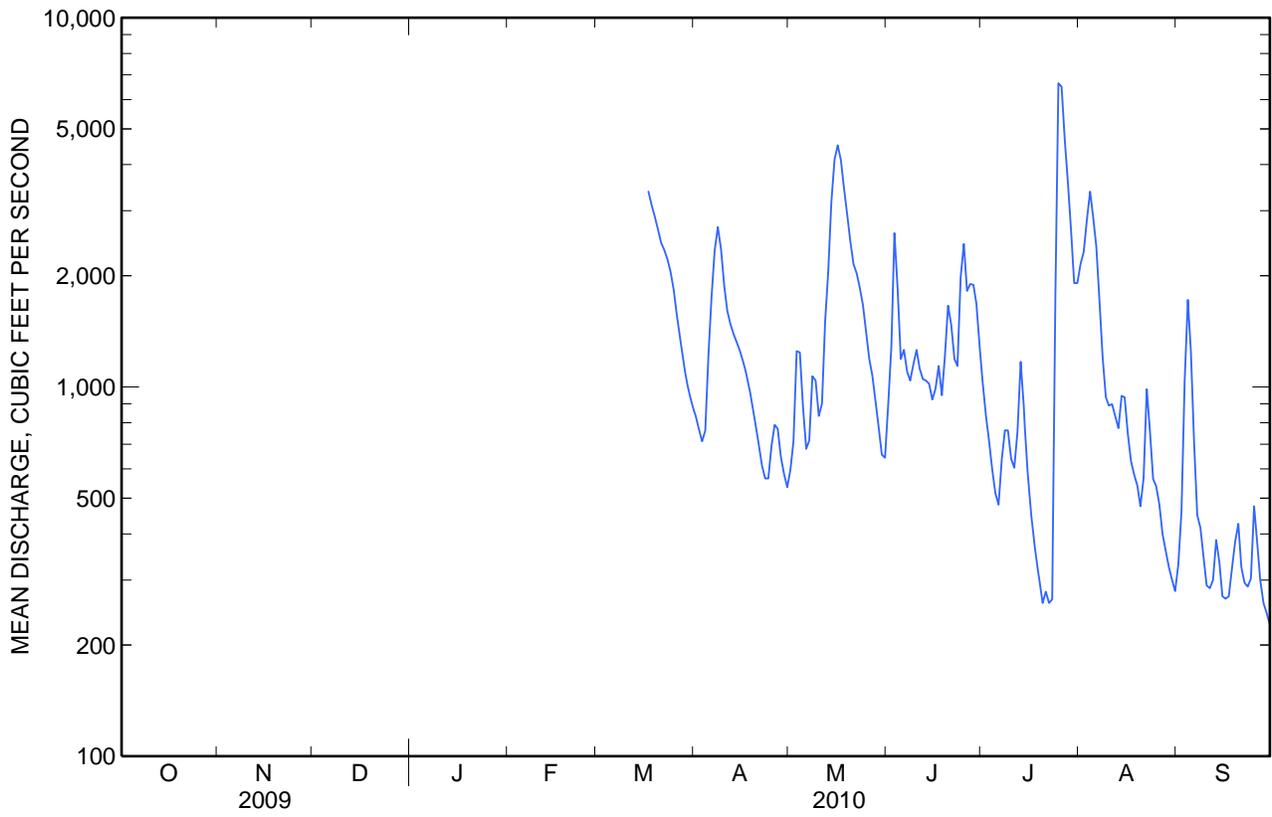
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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1	---	---	---	---	---	---	834	598	896	1,020	2,150	e330	
2	---	---	---	---	---	---	769	713	1,290	835	2,320	e460	
3	---	---	---	---	---	---	712	1,250	2,610	710	2,840	e1,040	
4	---	---	---	---	---	---	762	1,240	1,850	599	3,380	e1,720	
5	---	---	---	---	---	---	1,220	880	1,190	516	2,890	e1,250	
6	---	---	---	---	---	---	1,740	680	1,260	480	2,400	e710	
7	---	---	---	---	---	---	2,340	716	1,100	634	1,710	e450	
8	---	---	---	---	---	---	2,710	1,070	1,040	763	1,200	e415	
9	---	---	---	---	---	---	2,360	1,040	1,150	763	937	e345	
10	---	---	---	---	---	---	1,880	835	1,260	639	890	e290	
11	---	---	---	---	---	---	1,610	900	1,120	604	898	e285	
12	---	---	---	---	---	---	1,480	1,510	1,050	757	832	e300	
13	---	---	---	---	---	---	1,390	2,040	1,040	1,170	773	e385	
14	---	---	---	---	---	---	1,320	3,170	1,020	893	946	e335	
15	---	---	---	---	---	---	1,250	4,130	924	633	937	e271	
16	---	---	---	---	---	---	1,170	4,510	988	487	747	e267	
17	---	---	---	---	---	---	3,380	1,090	4,110	1,140	396	629	e271
18	---	---	---	---	---	---	3,110	987	3,460	950	345	578	e322
19	---	---	---	---	---	---	2,890	884	2,940	1,210	297	540	e381
20	---	---	---	---	---	---	2,670	787	2,480	1,660	260	475	e426
21	---	---	---	---	---	---	2,460	698	2,150	1,470	279	566	e325
22	---	---	---	---	---	---	2,350	613	2,030	1,190	260	986	e295
23	---	---	---	---	---	---	2,220	565	1,860	1,140	266	758	e288
24	---	---	---	---	---	---	2,050	565	1,670	1,980	1,770	563	e303
25	---	---	---	---	---	---	1,830	693	1,410	2,440	6,640	e539	e475
26	---	---	---	---	---	---	1,570	790	1,190	1,820	6,500	e481	e381
27	---	---	---	---	---	---	1,360	770	1,070	1,900	4,660	e400	e299
28	---	---	---	---	---	---	1,190	646	916	1,890	3,560	e360	e260
29	---	---	---	---	---	---	1,050	580	778	1,680	2,630	e325	e244
30	---	---	---	---	---	---	954	535	655	1,290	1,910	e300	e227
31	---	---	---	---	---	---	886	---	643	---	1,910	e280	---
Total	---	---	---	---	---	---	---	33,750	52,644	41,548	43,186	33,630	13,350
Mean	---	---	---	---	---	---	---	1,125	1,698	1,385	1,393	1,085	445
Max	---	---	---	---	---	---	---	2,710	4,510	2,610	6,640	3,380	1,720
Min	---	---	---	---	---	---	---	535	598	896	260	280	227
Cfsm	---	---	---	---	---	---	---	1.61	2.43	1.98	1.99	1.55	0.64
In.	---	---	---	---	---	---	---	1.79	2.80	2.21	2.30	1.79	0.71

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	-15.00	-15.02	-14.90	-14.84	-13.83	---
2	---	---	---	---	---	---	-15.07	-14.90	-13.59	-15.04	-13.74	---
3	---	---	---	---	---	---	-15.12	-14.38	-13.66	-15.20	-13.47	---
4	---	---	---	---	---	---	-15.06	-14.42	-14.13	-15.35	-13.21	---
5	---	---	---	---	---	---	-14.60	-14.80	-14.64	-15.44	-13.45	---
6	---	---	---	---	---	---	-14.19	-15.05	-14.59	-15.48	-13.71	---
7	---	---	---	---	---	---	-13.84	-15.02	-14.74	-15.27	-14.18	---
8	---	---	---	---	---	---	-13.62	-14.62	-14.80	-15.11	-14.60	---
9	---	---	---	---	---	---	-13.81	-14.66	-14.70	-15.11	-14.86	---
10	---	---	---	---	---	---	-14.11	-14.92	-14.60	-15.27	-14.94	---
11	---	---	---	---	---	---	-14.29	-14.84	-14.74	-15.32	-14.92	---
12	---	---	---	---	---	---	-14.40	-14.28	-14.81	-15.12	-15.01	---
13	---	---	---	---	---	---	-14.44	-13.41	-14.80	-14.68	-15.07	---
14	---	---	---	---	---	---	-14.48	-13.32	-14.83	-14.97	-14.86	---
15	---	---	---	---	---	---	-14.53	-12.95	-14.93	-15.28	-14.87	---
16	---	---	---	---	---	---	-14.56	-12.85	-14.87	-15.48	-15.07	---
17	---	---	---	---	---	-13.36	-14.66	-13.00	-14.73	-15.59	-15.18	---
18	---	---	---	---	---	-13.48	-14.74	-13.27	-14.93	-15.66	-15.27	---
19	---	---	---	---	---	-13.59	-14.83	-13.52	-14.68	-15.69	-15.34	---
20	---	---	---	---	---	-13.71	-14.91	-13.76	-14.28	-15.74	-15.44	---
21	---	---	---	---	---	-13.82	-14.97	-13.97	-14.43	-15.77	-15.32	---
22	---	---	---	---	---	-13.87	-15.03	-14.05	-14.69	-15.77	-14.81	---
23	---	---	---	---	---	-13.94	-15.06	-14.14	-14.55	-15.75	-15.09	---
24	---	---	---	---	---	-14.04	-15.05	-14.28	-13.83	-12.02	-15.44	---
25	---	---	---	---	---	-14.17	-14.88	-14.47	-13.75	-11.10	---	---
26	---	---	---	---	---	-14.36	-14.77	-14.65	-14.17	-12.25	---	---
27	---	---	---	---	---	-14.52	-14.80	-14.75	-14.09	-12.69	---	---
28	---	---	---	---	---	-14.65	-14.95	-14.91	-14.09	-13.11	---	---
29	---	---	---	---	---	-14.78	-15.05	-15.07	-14.27	-13.57	---	---
30	---	---	---	---	---	-14.87	-15.10	-15.22	-14.58	-13.99	---	---
31	---	---	---	---	---	-14.94	---	-15.23	---	-13.99	---	---
Mean	---	---	---	---	---	---	-14.66	-14.31	-14.48	-14.70	---	---
Max	---	---	---	---	---	---	-13.62	-12.85	-13.59	-11.10	---	---
Min	---	---	---	---	---	---	-15.12	-15.23	-14.93	-15.77	---	---

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