Water-Data Report 2011

03329000 WABASH RIVER AT LOGANSPORT, IN

Wabash River Basin

LOCATION.--Lat 40°44′47″, long 86°22′39″ referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.35, T.27 N., R.1 E., Cass County, IN, Hydrologic Unit 05120105, on left bank, 150 ft downstream from Cicott Street bridge in Logansport, 1,000 ft downstream from Eel River, 0.85 mi upstream of U.S. Highway 35, and at mile 353.7.

DRAINAGE AREA.—3,779 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April to September, November and December 1903, March to November 1904, March 1905 to July 1906, May 1923 to current year. January, February, and December 1904, January and February 1905 (gage heights only). Gage-height records collected at same site December 1910 to December 1916, and since January 1926 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 783: 1934. WSP 1335: 1904, 1925(M), 1926-30, 1931(M), 1932-35, 1937-39, 1948. WSP 1385: 1903, 1905-6, 1923-25. WSP 1505: 1906(M). WSP 2109: Drainage area. WDR IN-81-1: 1979. WRD IN-2009-1: 2008(m).

GAGE.--Water-stage recorder. Datum of gage is 573.28 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). See WSP 1705 for history of changes prior to Oct. 1, 1927.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow partially regulated by Huntington Lake, Salamonie Lake, and Mississinewa Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 25.3 ft March 26, 1913, from floodmarks, discharge, 140,000 ft^3/s.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 03329000, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/03329000.2011.pdf

03329000 WABASH RIVER AT LOGANSPORT, IN—Continued

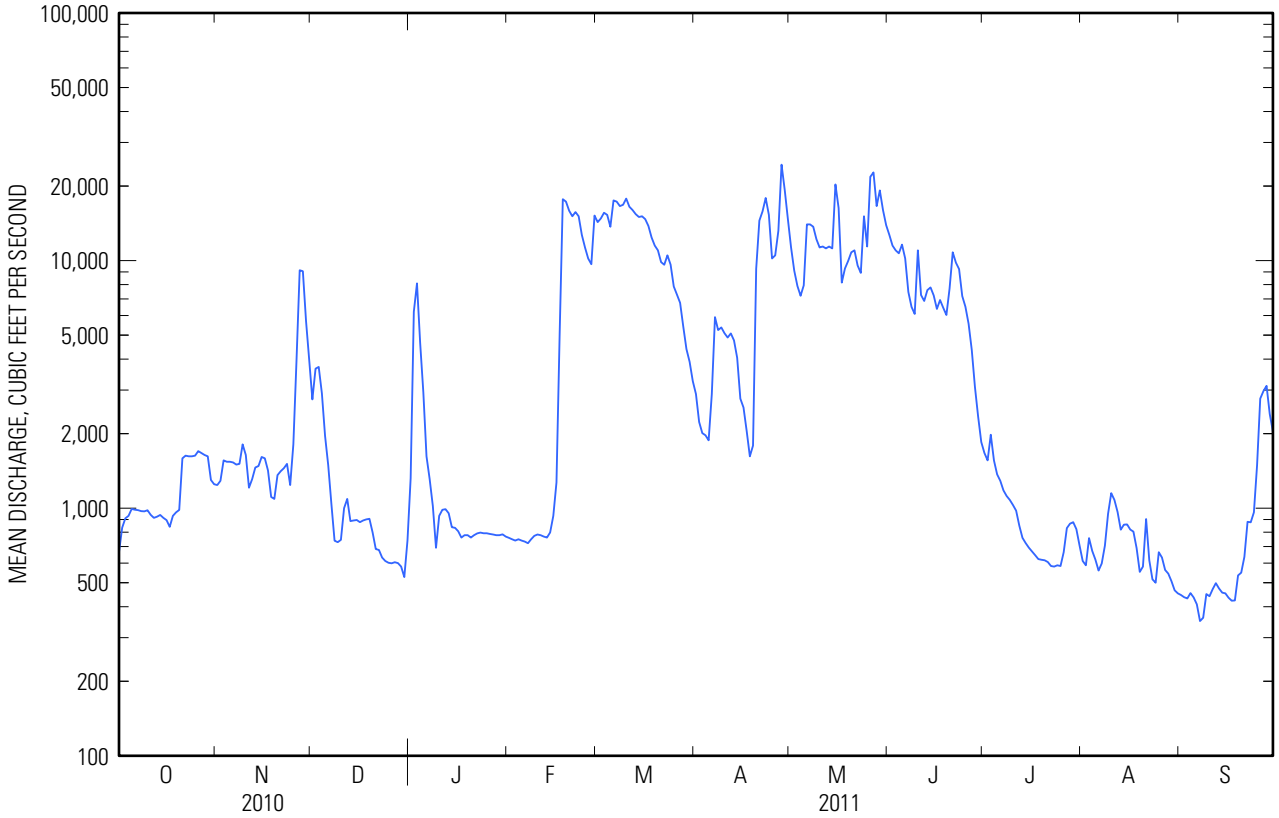
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	664	1,240	2,750	1,320	e759	14,300	2,890	11,300	12,700	1,670	612	446
2	834	1,290	3,660	6,210	e749	14,800	2,230	9,110	11,500	1,560	588	437
3	910	1,560	3,720	8,090	e740	15,600	2,010	7,900	11,000	1,980	757	432
4	931	1,540	2,910	4,650	e749	15,300	1,970	7,210	10,700	1,560	672	454
5	993	1,540	1,960	2,940	e740	13,700	1,880	7,940	11,600	1,370	620	436
6	986	1,530	1,490	e1,620	e733	17,500	2,890	14,000	10,200	1,290	560	409
7	982	1,500	e1,040	e1,310	e722	17,300	5,910	14,000	7,470	1,180	598	350
8	973	1,510	e739	e1,020	e749	16,600	5,240	13,700	6,500	1,120	706	361
9	971	1,810	e729	e692	e773	16,800	5,370	12,200	6,090	1,080	950	450
10	981	1,640	e745	e931	e783	17,800	5,090	11,300	11,000	1,030	1,150	441
11	940	1,210	1,000	e985	e778	16,500	4,890	11,400	7,260	977	1,080	471
12	914	1,310	1,090	e991	e768	16,000	5,080	11,200	6,870	850	965	498
13	924	1,460	e887	e954	e761	15,400	4,760	11,400	7,600	759	819	474
14	939	1,480	e892	e838	798	15,000	4,050	11,200	7,790	723	858	456
15	914	1,610	e896	e833	931	15,100	2,770	20,300	7,230	693	860	453
16	895	1,590	e878	e807	1,270	14,700	2,550	16,300	6,380	669	820	435
17	841	1,420	e892	e761	5,030	13,800	2,050	8,150	6,930	646	804	423
18	931	1,110	e901	e778	17,700	12,400	1,620	9,290	6,450	623	690	424
19	962	1,090	e906	e778	17,300	11,500	1,790	9,960	6,030	619	553	535
20	984	1,360	e798	e761	15,900	11,000	9,270	10,800	7,710	616	581	549
21	1,590	1,410	e684	e778	15,100	9,860	14,500	11,000	10,800	606	904	636
22	1,630	1,450	e678	e791	15,700	9,620	15,800	9,550	9,810	584	616	881
23	1,620	1,510	e632	e797	15,100	10,500	17,900	8,920	9,240	581	516	877
24	1,620	1,240	e612	e792	12,700	9,630	15,300	15,100	7,190	588	500	962
25	1,630	1,810	e602	e792	11,300	7,860	10,200	11,400	6,510	584	664	1,490
26	1,700	3,970	e599	e787	10,200	7,290	10,500	21,800	5,560	664	632	2,770
27	1,670	9,140	e605	e783	9,670	6,750	13,200	22,700	4,360	831	563	2,970
28	1,640	9,060	e600	e778	15,200	5,410	24,400	16,600	3,090	866	544	3,120
29	1,620	5,700	e581	e778	---	4,390	19,300	19,200	2,350	878	507	2,400
30	1,300	3,970	e527	e784	---	3,900	14,700	16,000	1,850	823	466	2,040
31	1,250	---	740	e768	---	3,260	---	13,900	---	707	453	---
Total	35,739	68,060	35,743	45,897	173,703	379,570	230,110	394,830	229,770	28,727	21,608	27,080
Mean	1,153	2,269	1,153	1,481	6,204	12,240	7,670	12,740	7,659	927	697	903
Max	1,700	9,140	3,720	8,090	17,700	17,800	24,400	22,700	12,700	1,980	1,150	3,120
Min	664	1,090	527	692	722	3,260	1,620	7,210	1,850	581	453	350
Cfsm	0.31	0.60	0.31	0.39	1.64	3.24	2.03	3.37	2.03	0.25	0.18	0.24
In.	0.35	0.67	0.35	0.45	1.71	3.74	2.27	3.89	2.26	0.28	0.21	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,557	2,292	3,855	4,851	5,360	6,663	5,784	4,052	3,404	2,138	1,368	1,270
Max	9,526	10,940	12,340	25,590	15,880	18,180	17,520	21,310	16,440	15,110	9,044	10,710
(WY)	(2002)	(1973)	(1968)	(1950)	(1959)	(1982)	(1957)	(1943)	(1958)	(2003)	(1998)	(1926)
Min	197	296	252	290	417	638	929	600	388	269	203	176
(WY)	(1964)	(1964)	(1964)	(1945)	(1964)	(1941)	(1971)	(1941)	(1988)	(1936)	(1941)	(1941)

03329000 WABASH RIVER AT LOGANSPORT, IN—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1924 - 2011	
Annual total	1,260,782		1,670,837			
Annual mean	3,454		4,578		3,540	
Highest annual mean					6,614	1950
Lowest annual mean					796	1941
Highest daily mean	19,400	Mar 14	24,400	Apr 28	84,700	May 19, 1943
Lowest daily mean	336	Sep 17	350	Sep 7	135	Sep 26, 1941
Annual seven-day minimum	361	Sep 11	411	Sep 2	142	Sep 24, 1941
Maximum peak flow			27,100	Apr 28	89,800	May 18, 1943
Maximum peak stage			11.54	Apr 28	21.32	May 18, 1943
Annual runoff (cfsm)	0.914		1.21		0.937	
Annual runoff (inches)	12.41		16.45		12.73	
10 percent exceeds	9,190		14,400		9,780	
50 percent exceeds	1,540		1,460		1,510	
90 percent exceeds	620		588		435