Water-Data Report 2011

03327500 WABASH RIVER AT PERU, IN

Wabash River Basin

LOCATION.--Lat 40°44′35″, long 86°05′45″ referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.32, T.27 N., R.4 E., Miami County, IN, Hydrologic Unit 05120101, on right bank at upstream side of bridge on U.S. Highway 31, 0.5 mi southwest of Peru, 4.4 mi downstream from Mississinewa River, and at mile 370.5.

DRAINAGE AREA.—2,686 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1943 to current year.

REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-74-1: 1973. WDR IN-81-1: 1979.

GAGE.--Water-stage recorder. Datum of gage is 617.94 ft above National Geodetic Vertical Datum of 1929, (levels by U.S. Army Corps of Engineers). Prior to June 20, 1961, nonrecording gage at same site and datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by reservoirs on Wabash River (station 03323500), Salamonie River (station 03324500) and Mississinewa River (station 03327000).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 28.1 ft, discharge, 115,000 ft^3/s, from rating curve extended above 63,000 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 03327500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/03327500.2011.pdf

03327500 WABASH RIVER AT PERU, IN—Continued

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

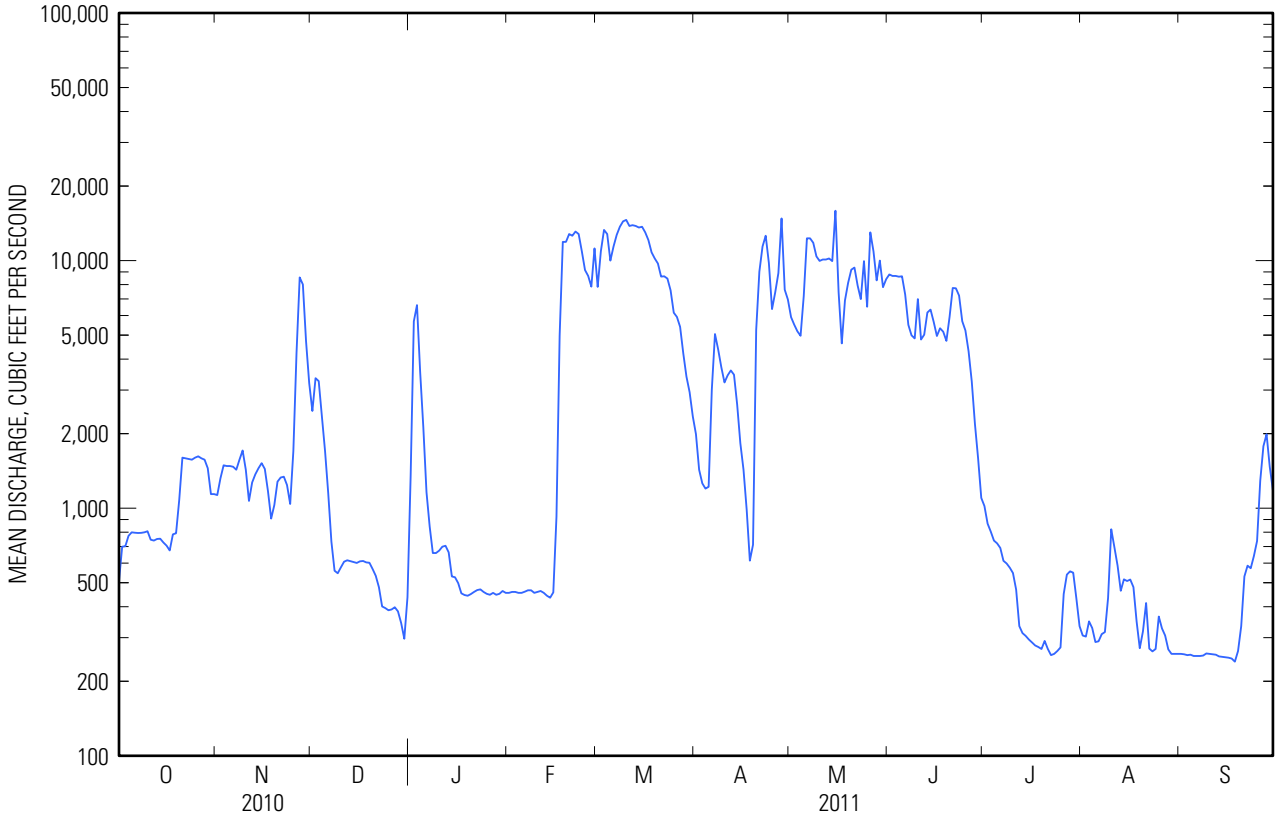
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	508	1,130	2,470	1,350	e455	7,830	1,990	5,910	8,790	1,020	306	258
2	699	1,320	3,350	5,680	e459	10,900	1,430	5,510	8,670	866	303	257
3	702	1,490	3,260	6,610	e459	13,300	1,260	5,180	8,670	804	349	255
4	773	1,480	2,350	3,550	e455	12,800	1,200	4,970	8,610	740	328	256
5	799	1,480	1,700	2,120	e455	10,000	1,220	7,190	8,640	721	288	253
6	796	1,470	1,150	e1,160	e460	11,400	3,010	12,300	7,290	691	290	253
7	794	1,430	e733	e844	e466	12,700	5,050	12,300	5,500	613	310	e253
8	795	1,570	e559	e659	e466	13,700	4,380	11,800	4,990	598	316	254
9	799	1,710	e546	e659	e455	14,400	3,710	10,400	4,850	575	434	259
10	807	1,430	e577	e674	e459	14,600	3,220	9,970	6,990	547	822	258
11	746	1,070	e608	e699	e463	13,800	3,440	10,100	4,800	469	695	257
12	740	1,270	e616	e705	e455	13,900	3,600	10,100	5,020	334	586	256
13	751	1,370	e611	e663	e443	13,800	3,460	10,200	6,170	313	464	252
14	753	1,450	e606	e530	e435	13,600	2,620	9,950	6,340	305	516	e251
15	727	1,520	e601	e526	457	13,700	1,830	15,900	5,650	295	508	e250
16	706	1,440	e610	e498	924	13,000	1,430	7,440	4,960	287	515	e249
17	675	1,170	e612	e453	4,980	12,100	986	4,630	5,330	279	480	e247
18	784	908	e604	e446	11,900	10,800	614	6,900	5,160	275	349	e240
19	792	1,030	e602	e443	11,900	10,200	712	8,130	4,740	270	272	e265
20	1,080	1,280	e568	e450	12,800	9,730	5,250	9,190	5,920	291	318	e334
21	1,600	1,330	e533	e459	12,600	8,620	9,020	9,370	7,750	270	414	e530
22	1,590	1,340	e479	e467	13,100	8,640	11,400	7,930	7,730	255	271	e586
23	1,580	1,240	e401	e470	12,800	8,460	12,600	6,990	7,220	258	264	e572
24	1,570	1,040	e395	e459	10,900	7,580	9,780	9,950	5,690	265	270	e641
25	1,600	1,700	e387	e451	9,160	6,160	6,370	6,510	5,220	274	365	737
26	1,620	4,240	e390	e447	8,670	5,920	7,440	13,000	4,300	450	327	1,290
27	1,590	8,550	e398	e455	7,850	5,400	8,900	10,900	3,250	539	306	1,780
28	1,570	8,010	e383	e447	11,200	4,220	14,800	8,320	2,190	556	269	1,990
29	1,450	4,730	e344	e451	---	3,400	7,630	10,000	1,590	549	258	1,470
30	1,140	3,200	297	e463	---	2,940	6,960	7,810	1,100	432	258	1,180
31	1,140	---	437	e455	---	2,350	---	8,410	---	334	258	---
Total	31,676	62,398	27,177	33,743	135,626	309,950	145,312	277,260	173,130	14,475	11,709	15,933
Mean	1,022	2,080	877	1,088	4,844	9,998	4,844	8,944	5,771	467	378	531
Max	1,620	8,550	3,350	6,610	13,100	14,600	14,800	15,900	8,790	1,020	822	1,990
Min	508	908	297	443	435	2,350	614	4,630	1,100	255	258	240
Cfsm	0.38	0.77	0.33	0.41	1.80	3.72	1.80	3.33	2.15	0.17	0.14	0.20
In.	0.44	0.86	0.38	0.47	1.88	4.29	2.01	3.84	2.40	0.20	0.16	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,209	1,787	2,868	3,536	3,864	4,872	4,006	2,686	2,555	1,621	903	858
Max	6,340	7,653	8,314	18,500	10,740	10,890	14,840	8,944	14,260	11,350	7,049	5,438
(WY)	(2002)	(1973)	(1958)	(1950)	(1959)	(1982)	(1957)	(2011)	(1958)	(2003)	(1998)	(2003)
Min	110	150	142	141	247	830	412	345	194	175	163	119
(WY)	(1954)	(1954)	(1964)	(1945)	(1964)	(1983)	(1971)	(1976)	(1988)	(1944)	(1966)	(1963)

03327500 WABASH RIVER AT PERU, IN—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1944 - 2011	
Annual total	916,886		1,238,389			
Annual mean	2,512		3,393		2,557	
Highest annual mean					4,425	1950
Lowest annual mean					691	1954
Highest daily mean	12,600	Mar 17	15,900	May 15	50,900	Jun 12, 1958
Lowest daily mean	176	Sep 9	e 240	Sep 18	72	Oct 5, 1946
Annual seven-day minimum	191	Sep 9	249	Sep 12	85	Oct 29, 1944
Maximum peak flow			18,000	May 15	68,000	May 18, 1943
Maximum peak stage			13.34	May 15	24.46	May 18, 1943
Annual runoff (cfsm)	0.935		1.26		0.952	
Annual runoff (inches)	12.70		17.15		12.93	
10 percent exceeds	7,060		10,100		7,350	
50 percent exceeds	1,230		1,140		1,050	
90 percent exceeds	388		288		230	

e, estimated