Water-Data Report 2012

03327500 WABASH RIVER AT PERU, IN

Wabash River Basin

LOCATION -- Lat 40°45′00″, long 86°04′00″ referenced to North American Datum of 1983, 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 -- 2686.00 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, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 03327500, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/03327500.2012.pdf

03327500 WABASH RIVER AT PERU, IN—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,090	1,720	10,600	9,040	6,930	3,450	1,120	297	260	164	e198	217
2	1,220	1,740	10,800	8,360	4,910	4,360	1,050	e490	e302	181	e202	223
3	992	1,740	10,900	6,130	3,650	6,660	e990	e593	e346	202	e205	188
4	783	1,720	12,900	5,250	4,560	8,170	e801	e484	e345	165	e215	180
5	763	1,630	11,400	4,440	5,640	8,690	e648	e374	e350	157	e250	188
6	910	1,450	11,500	4,320	5,450	6,300	e585	e329	344	152	e259	189
7	883	1,350	11,000	3,670	4,280	3,780	e538	336	342	148	e286	196
8	856	1,410	12,700	2,810	3,230	2,760	e488	377	e326	152	e389	260
9	747	1,610	14,000	2,520	2,650	2,760	e465	543	e283	155	398	284
10	745	1,720	14,000	1,690	2,140	3,550	e443	662	e219	147	468	365
11	808	1,860	12,900	1,520	1,930	3,020	e433	e664	e214	e143	406	505
12	822	1,830	11,600	2,080	1,600	2,740	e429	457	208	e142	e476	604
13	822	1,620	10,600	4,000	1,150	2,130	e419	332	e188	145	454	503
14	846	1,610	9,480	3,970	1,440	2,150	e422	321	e183	152	e504	389
15	1,200	3,420	14,200	2,310	1,500	1,860	e426	e311	e171	e147	e527	299
16	869	6,710	8,840	1,550	1,740	1,820	e419	305	e163	143	517	313
17	763	6,910	10,700	4,660	2,700	1,810	e390	299	e160	e154	420	310
18	773	5,450	11,200	8,510	3,240	1,870	e351	e295	e152	e168	e273	210
19	837	4,390	11,400	11,600	2,880	1,700	e306	e292	e146	162	e212	213
20	3,460	3,160	11,300	11,000	2,210	1,560	e272	e288	e148	159	196	227
21	5,860	1,950	10,800	8,240	1,680	1,560	e282	293	e155	225	e195	264
22	6,320	2,200	11,700	6,050	1,790	1,400	e272	e285	171	225	e197	280
23	5,510	5,210	12,800	6,170	1,740	1,550	e265	e264	175	e180	e184	269
24	5,380	8,070	13,000	9,760	2,150	2,930	253	e238	165	e204	183	282
25	4,660	9,030	12,100	11,600	3,840	5,160	246	e229	162	e190	181	290
26	3,140	6,990	11,400	11,500	3,110	5,750	238	e225	159	e190	174	308
27	3,160	5,250	9,640	12,700	1,900	4,880	234	e223	151	e217	239	537
28	3,140	4,660	8,120	12,400	1,590	3,020	236	e210	143	e195	217	884
29	2,990	e5,700	7,840	11,900	1,810	2,190	234	e213	151	e187	195	792
30	2,130	e12,000	8,230	9,910	---	1,750	244	208	169	e194	199	1,200
31	1,950	---	9,300	8,490	---	1,330	---	232	---	e202	200	---
Total	64,429	114,110	346,950	208,150	83,440	102,660	13,499	10,669	6,451	5,347	9,019	10,969
Mean	2,078	3,804	11,190	6,715	2,877	3,312	450	344	215	172	291	366
Max	6,320	12,000	14,200	12,700	6,930	8,690	1,120	664	350	225	527	1,200
Min	745	1,350	7,840	1,520	1,150	1,330	234	208	143	142	174	180
Cfsm	0.77	1.42	4.17	2.50	1.07	1.23	0.17	0.13	0.08	0.06	0.11	0.14
In.	0.89	1.58	4.81	2.88	1.16	1.42	0.19	0.15	0.09	0.07	0.12	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,222	1,817	2,988	3,582	3,849	4,850	3,955	2,652	2,521	1,600	894	851
Max	6,340	7,653	11,190	18,500	10,740	10,890	14,840	8,944	14,260	11,350	7,049	5,438
(WY)	(2002)	(1973)	(2012)	(1950)	(1959)	(1982)	(1957)	(2011)	(1958)	(2003)	(1998)	(2003)
Min	110	150	142	141	247	830	412	344	194	172	163	119
(WY)	(1954)	(1954)	(1964)	(1945)	(1964)	(1983)	(1971)	(2012)	(1988)	(2012)	(1966)	(1963)

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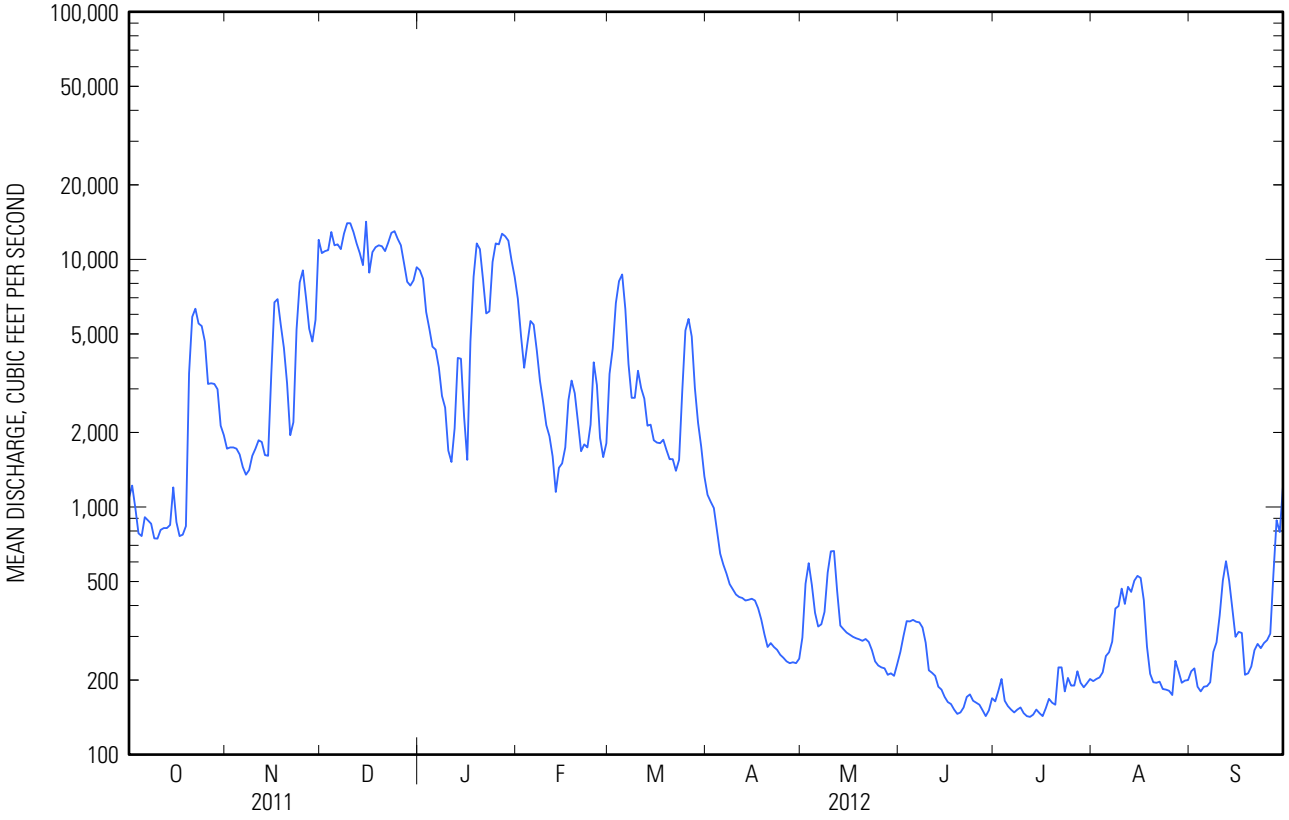
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1944 - 2012	
Annual total	1,642,627		975,693			
Annual mean	4,500		2,666		2,559	
Highest annual mean					4,425	1950
Lowest annual mean					691	1954
Highest daily mean	15,900	May 15	14,200	Dec 15	50,900	Jun 12, 1958
Lowest daily mean	240	Sep 18	[a]142	Jul 12	72	Oct 5, 1946
Annual seven-day minimum	249	Sep 12	146	Jul 10	85	Oct 29, 1944
Maximum peak flow			16,500	Dec 15	68,000	May 18, 1943
Maximum peak stage			12.70	Dec 15	24.46	May 18, 1943
Annual runoff (cfsm)	1.68		0.992		0.953	
Annual runoff (inches)	22.75		13.51		12.94	
10 percent exceeds	11,700		9,350		7,370	
50 percent exceeds	2,120		796		1,050	
90 percent exceeds	288		180		228	

[a] ESTIMATED