Water-Data Report 2013

03331500 TIPPECANOE RIVER NEAR ORA, IN

Wabash River Basin

LOCATION.-- Lat 41°09′26″, long 86°33′49″ referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.6, T.31 N., R.1 W., Pulaski County, IN, Hydrologic Unit 05120106, on right bank at downstream side of bridge on County Road 700 East, 1.0 mi upstream from Bartee Ditch, 2.5 mi downstream from House Ditch, 1.3 mi southwest of Ora, and at mile 78.5.

DRAINAGE AREA.-- 856 mi^2, drainage area derived from the "Drainage Areas of Indiana Streams" publication also known as the Hogget maps

SURFACE-WATER RECORDS

PERIOD OF RECORD.-- September 1943 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.-- WSP 1335: 1944(M). WSP 1505: 1949-50(P). WSP 2109: Drainage area.

GAGE.-- Water-stage recorder. Datum of gage is 692.91 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 30, 1956, non-recording gage on upstream side of old highway bridge, 120 ft downstream. July 30, 1956, to Dec. 20, 1964, water-stage recorder on right bank at downstream side of old highway bridge, and Dec. 21, 1964, to Aug. 19, 1965, non-recording gage on right bank 500 ft downstream. All gages at same datum.

REMARKS.-- Records fair except for extimated daily discharges, which are poor.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	162	221	201	273	1,830	867	597	2,970	1,810	2,430	432	275
2	163	218	202	e268	1,460	928	555	2,780	3,940	2,470	436	271
3	164	214	204	e265	1,190	902	524	2,590	6,220	2,350	879	262
4	164	218	212	e263	1,020	838	504	2,410	5,430	2,150	1,290	255
5	169	248	221	e262	892	783	485	2,210	4,210	1,920	1,140	248
6	176	247	224	e280	832	766	470	1,990	3,710	1,720	1,080	238
7	175	251	229	e276	765	727	461	1,770	3,360	1,540	1,100	230
8	172	250	230	e271	722	682	451	1,580	3,080	1,420	1,200	224
9	173	249	228	e261	707	671	450	1,420	2,820	1,310	1,170	220
10	176	270	228	250	679	713	445	1,320	2,580	1,210	1,050	216
11	175	293	227	304	678	1,190	593	1,250	2,410	1,210	945	211
12	173	300	223	512	709	1,610	1,100	1,170	2,330	1,200	860	239
13	178	293	220	691	692	1,550	1,520	1,090	2,640	1,100	795	238
14	187	277	216	1,030	656	1,350	1,440	1,020	3,290	1,010	727	226
15	189	267	215	1,040	618	1,230	1,290	950	3,930	919	660	226
16	192	259	215	882	584	1,180	1,270	877	3,680	834	602	229
17	197	249	217	751	548	1,140	1,410	798	3,280	755	548	224
18	220	241	220	649	516	1,080	1,690	708	3,040	690	497	219
19	243	235	220	570	505	1,010	2,590	609	2,820	638	453	257
20	244	229	237	512	502	932	4,240	547	2,580	606	415	277
21	263	224	315	458	488	865	5,560	523	2,340	574	384	274
22	288	220	375	e438	472	805	4,630	513	2,110	560	369	283
23	301	220	404	e431	461	750	3,960	494	1,880	550	362	278
24	288	216	399	e429	445	707	3,750	475	1,690	540	350	265
25	264	214	368	e424	434	695	4,130	453	1,610	544	338	262
26	243	213	342	e420	437	668	4,440	436	1,570	555	324	256
27	236	210	323	e416	583	643	4,020	459	1,760	553	310	248
28	229	208	305	e425	773	645	3,660	668	2,040	523	295	235
29	222	206	293	478	---	648	3,370	967	2,250	484	286	226
30	218	203	284	867	---	636	3,160	882	2,340	454	278	223
31	222	---	276	1,720	---	623	---	813	---	440	274	---
Total	6,466	7,163	8,073	16,116	20,198	27,834	62,765	36,742	86,750	33,259	19,849	7,335
Mean	209	239	260	520	721	898	2,092	1,185	2,892	1,073	640	244
Max	301	300	404	1,720	1,830	1,610	5,560	2,970	6,220	2,470	1,290	283
Min	162	203	201	250	434	623	445	436	1,570	440	274	211
Cfsm	0.24	0.28	0.30	0.61	0.84	1.05	2.44	1.38	3.38	1.25	0.75	0.29
In.	0.28	0.31	0.35	0.70	0.88	1.21	2.73	1.60	3.77	1.45	0.86	0.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	464	601	847	1,051	1,200	1,471	1,516	1,158	953	611	440	366
Max	2,112	1,933	2,838	3,552	3,681	4,239	4,116	2,869	3,468	1,943	2,699	1,224
(WY)	(1991)	(1973)	(2012)	(1950)	(2008)	(1982)	(1950)	(1981)	(1981)	(1996)	(1990)	(1958)
Min	134	155	177	183	192	451	525	337	180	141	155	107
(WY)	(1954)	(1954)	(1964)	(1963)	(1963)	(1957)	(1958)	(1958)	(2012)	(2012)	(1988)	(1966)

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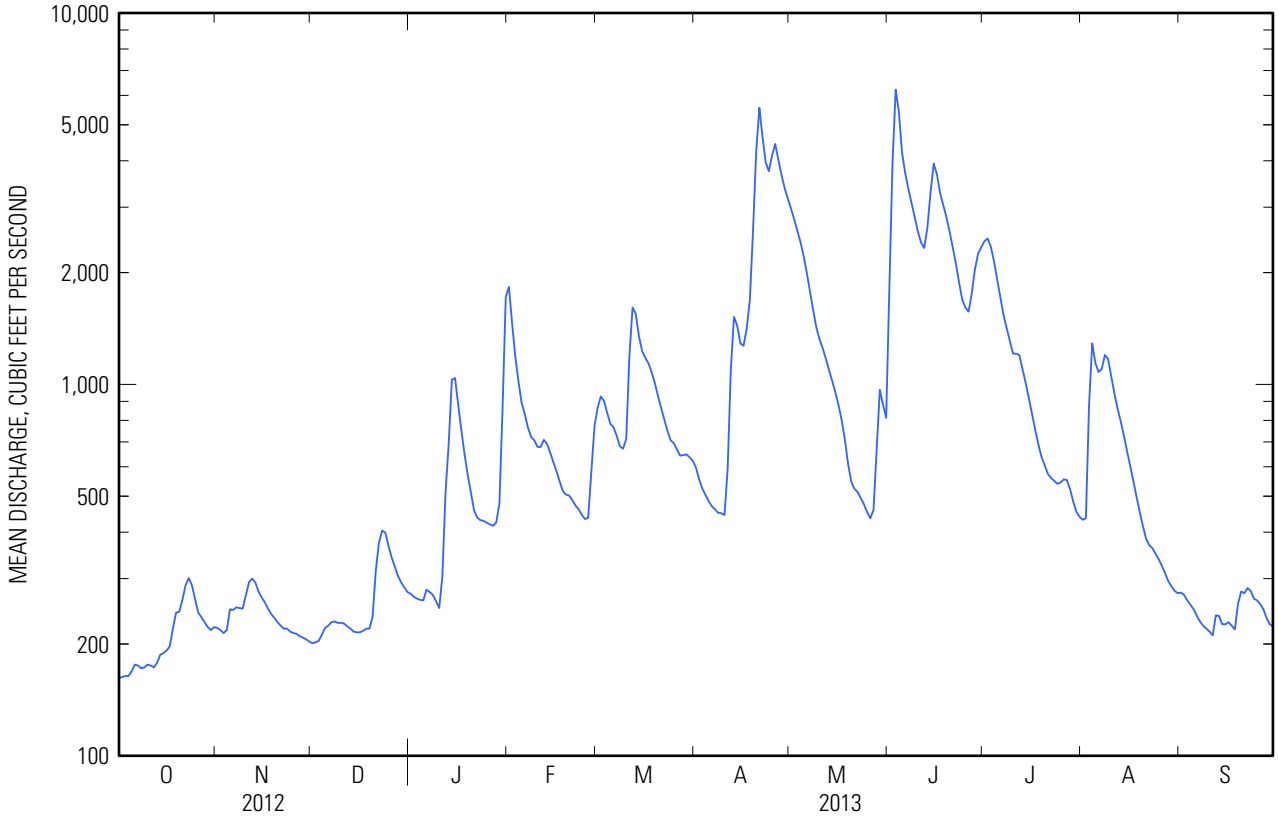
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1944 - 2013	
Annual total	208,361		332,550			
Annual mean	569		911		888	
Highest annual mean					1,580	1950
Lowest annual mean					354	1964
Highest daily mean	3,060	Jan 26	6,220	Jun 3	9,410	Mar 13, 2009
Lowest daily mean	103	Jul 14	162	Oct 1	87	Sep 13, 1966
Annual seven-day minimum	106	Jul 12	168	Oct 1	93	Sep 8, 1966
Maximum peak flow			6,410	Jun 3	9,580	Mar 13, 2009
Maximum peak stage			14.64	Jun 3	15.72	Mar 13, 2009
Annual runoff (cfsm)	0.665		1.06		1.04	
Annual runoff (inches)	9.05		14.45		14.09	
10 percent exceeds	1,410		2,370		1,890	
50 percent exceeds	244		512		612	
90 percent exceeds	159		218		220