Water-Data Report 2011

04183000 MAUMEE RIVER AT NEW HAVEN, IN

Lake Erie Basin

LOCATION.--Lat 41°05′06″, long 85°01′20″ referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.2, T.30 N., R.13 E., Allen County, IN, Hydrologic Unit 04100005, on left bank 600 ft upstream from bridge on Landin Road, 1,400 ft upstream from the Norfolk and Western Railroad bridge, 1.1 mi northwest of New Haven, 2.8 mi upstream from Sixmile Creek and at mile 129.0.

DRAINAGE AREA.--1967.00 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1946 to September 1956 (high-water records only), October 1956 to current year.

REVISED RECORDS.--WSP 2112: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 724.51 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 7, 1956, non-recording gage, Sept. 7, 1956 to Sept. 14, 1965, water-stage recorder at site 500 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by hydro-powerplant on the St. Joseph River 10.3 mi upstream from station. Flow slightly regulated by upstream reservoirs.

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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	139	143	1,500	1,050	e232	11,900	1,050	12,500	11,600	370	252	236
2	160	147	1,310	2,460	e233	12,700	999	9,880	9,010	358	239	161
3	206	155	1,070	1,880	e231	13,100	944	6,880	5,980	393	249	144
4	116	140	1,020	1,330	e226	13,000	963	6,380	4,750	370	223	186
5	118	157	1,000	1,270	e224	14,600	1,080	4,810	3,210	245	215	215
6	135	168	895	1,150	e219	16,300	1,410	3,770	2,860	314	215	177
7	135	159	677	e782	e223	15,300	1,450	3,360	1,800	309	272	153
8	141	151	e450	e507	e226	12,800	2,100	3,300	1,710	261	253	275
9	131	154	e358	e413	e230	11,500	4,790	2,850	1,290	175	311	298
10	130	145	e323	e370	e226	11,800	3,520	2,170	1,850	244	365	351
11	312	160	e307	e340	e220	11,300	3,390	2,700	2,420	287	368	414
12	279	155	462	e316	e214	9,070	2,930	2,750	2,460	275	283	407
13	157	165	e434	e294	236	6,450	2,460	2,120	1,560	267	255	336
14	131	180	e416	e280	330	5,010	1,980	1,760	1,150	236	326	305
15	106	180	e394	e270	490	4,190	1,800	4,170	1,020	199	597	297
16	114	191	e369	e265	667	3,840	1,600	7,510	1,190	224	457	267
17	124	263	e340	e260	2,030	3,500	1,430	6,450	785	224	346	244
18	133	226	e316	293	7,880	2,690	1,250	5,800	772	197	296	197
19	138	221	e294	348	9,400	2,420	1,580	5,800	791	211	263	302
20	161	197	e268	312	8,650	2,060	8,290	5,610	756	205	236	370
21	192	190	e250	e265	7,980	1,870	10,200	5,330	962	201	241	312
22	122	228	e234	e256	7,380	1,970	8,220	4,170	941	143	217	287
23	136	364	e222	e253	6,150	2,330	10,100	3,290	814	173	150	301
24	192	356	e210	e249	4,740	2,350	10,500	6,780	843	203	153	341
25	332	993	e201	e244	3,440	2,050	9,330	9,830	821	211	240	546
26	143	1,740	e195	e242	3,140	1,920	10,700	18,500	773	297	227	1,000
27	159	2,080	e188	e240	2,690	1,820	10,600	19,200	709	172	231	824
28	167	1,470	e186	e236	7,630	1,680	12,300	16,600	618	242	264	1,190
29	160	1,280	e192	e234	---	1,490	14,300	15,500	403	262	253	1,250
30	162	1,480	e213	e232	---	1,320	14,700	14,500	551	328	245	1,300
31	150	---	293	e231	---	1,180	---	13,500	---	288	255	---
Total	4,981	13,638	14,587	16,872	75,537	203,510	155,966	227,770	64,399	7,884	8,497	12,686
Mean	161	455	471	544	2,698	6,565	5,199	7,347	2,147	254	274	423
Max	332	2,080	1,500	2,460	9,400	16,300	14,700	19,200	11,600	393	597	1,300
Min	106	140	186	231	214	1,180	944	1,760	403	143	150	144
Cfsm	0.08	0.23	0.24	0.28	1.37	3.34	2.64	3.74	1.09	0.13	0.14	0.21
In.	0.09	0.26	0.28	0.32	1.43	3.85	2.95	4.31	1.22	0.15	0.16	0.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	639	1,210	2,186	2,205	2,812	3,849	3,404	2,176	1,702	1,043	636	563
Max	5,219	6,523	6,292	8,475	7,657	11,460	7,955	7,347	6,480	5,989	2,687	3,264
(WY)	(2002)	(1993)	(1968)	(2005)	(2008)	(1982)	(1957)	(2011)	(1981)	(2003)	(2003)	(2003)
Min	62.3	102	96.4	119	161	1,181	789	382	122	197	99.1	91.2
(WY)	(1964)	(1965)	(1964)	(1963)	(1964)	(1981)	(1971)	(1988)	(1988)	(1964)	(1962)	(1963)

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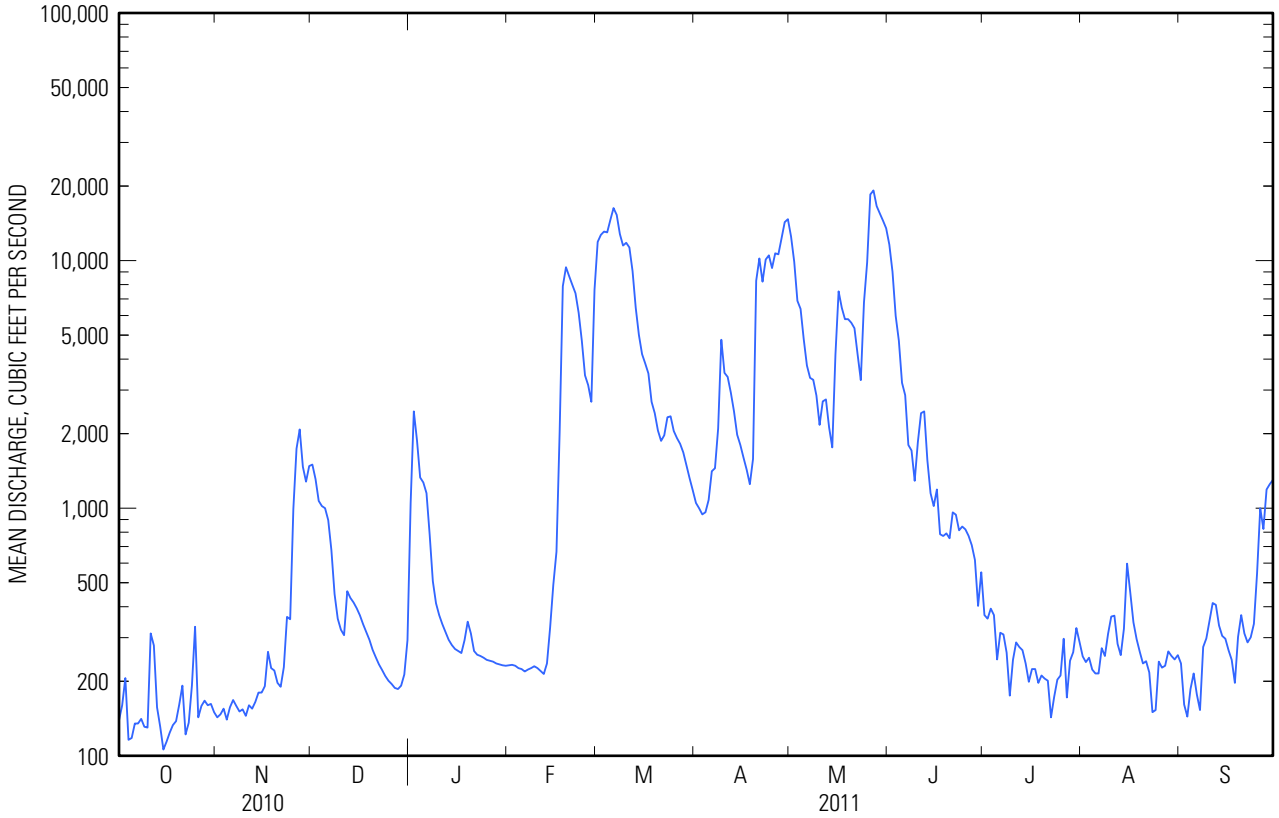
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1957 - 2011	
Annual total	625,076		806,327			
Annual mean	1,713		2,209		1,863	
Highest annual mean					2,975	1993
Lowest annual mean					669	1963
Highest daily mean	16,200	May 23	19,200	May 27	26,300	Mar 17, 1982
Lowest daily mean	101	Sep 20	106	Oct 15	48	Oct 6, 1963
Annual seven-day minimum	124	Sep 19	129	Oct 13	55	Oct 4, 1963
Maximum peak flow			20,200	May 26	26,600	Mar 17, 1982
Maximum peak stage			22.06	May 26	25.49	Mar 17, 1982
Annual runoff (cfsm)	0.871		1.12		0.947	
Annual runoff (inches)	11.82		15.25		12.87	
10 percent exceeds	4,550		8,080		5,060	
50 percent exceeds	677		358		798	
90 percent exceeds	142		160		160