Water-Data Report 2011

03349000 WHITE RIVER AT NOBLESVILLE, IN

White River Basin

LOCATION.--Lat 40°02′49″, long 86°01′02″ referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.36, T.19 N., R.4 E., Hamilton County, IN, Hydrologic Unit 05120201, on right bank at downstream side of Logan Street bridge in Noblesville, 1.5 mi upstream from Cicero Creek, 5.1 mi downstream from dam at Clare, and at mile 263.5.

DRAINAGE AREA.--858 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1946 to current year. Gage-height records collected at present site from December 1913 to December 1935, and at site 400 ft downstream January 1936 to May 1951, are contained in reports of National Weather Service. Prior to October 1948, published as West Fork White River at Noblesville.

REVISED RECORDS.--WSP 1335: 1949. WSP 2109: Drainage area. WDR IN-94-1: 1993 (M).

GAGE.--Water-stage recorder. Datum of gage is 738.16 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow partially regulated by the power plant above the station.

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 03349000, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/03349000.2011.pdf

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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	e116	e141	e700	1,330	e255	16,200	699	2,590	1,160	475	234	132
2	e125	139	e1,010	2,160	e267	14,900	681	2,190	980	458	213	129
3	e130	141	e738	1,410	e260	6,340	638	4,030	874	427	314	125
4	e138	138	e595	901	e246	3,030	683	5,840	809	404	332	144
5	135	130	e520	684	e238	6,100	1,890	4,050	2,180	377	253	134
6	127	e136	e441	574	e225	10,800	2,680	2,420	1,960	357	235	132
7	e125	e147	e362	e488	e223	12,100	1,530	1,910	1,200	341	240	134
8	e120	147	e283	e423	e210	6,420	1,180	1,760	935	355	265	149
9	e116	147	e261	e393	e202	3,290	1,230	1,690	779	390	837	170
10	115	150	e283	e369	e199	3,580	2,430	1,440	692	320	689	168
11	114	146	e317	e350	e208	3,020	2,340	1,320	1,400	297	390	161
12	114	142	e370	e335	e221	2,230	1,880	1,160	2,090	292	275	153
13	114	145	e362	e323	e251	1,800	1,540	1,060	1,360	296	237	143
14	e112	147	e348	e309	455	1,500	1,220	1,080	973	271	331	136
15	e150	e173	e341	e295	829	1,410	1,070	1,220	880	249	366	134
16	141	178	e330	e274	1,290	1,860	1,110	2,170	1,170	243	289	131
17	133	204	e320	e265	2,270	1,750	1,060	1,640	1,110	243	236	129
18	135	279	e304	e292	5,520	1,480	934	1,300	927	239	207	125
19	134	261	e295	e323	5,690	1,260	1,230	1,340	913	231	190	162
20	133	221	e280	e314	3,090	1,130	5,460	1,180	3,290	261	181	304
21	e131	194	e286	e300	2,430	1,070	7,890	1,040	4,910	260	181	334
22	129	182	e280	e287	4,490	1,030	5,470	950	3,170	255	181	246
23	126	255	e272	e282	3,650	1,020	3,590	892	1,600	260	169	198
24	133	356	e263	e292	2,190	1,140	3,550	851	1,040	287	163	205
25	e135	471	e250	e290	2,130	1,180	3,630	799	836	535	190	214
26	e150	e1,540	e240	e282	1,910	1,000	5,860	1,650	727	438	176	693
27	e226	1,460	e230	e274	1,610	902	6,540	4,970	667	344	157	920
28	e220	849	e216	e267	8,680	824	7,480	4,060	617	298	148	549
29	167	e580	e214	e270	---	765	7,890	2,640	554	268	139	382
30	e157	e560	e292	e265	---	731	4,220	2,120	503	321	137	321
31	149	---	576	e255	---	716	---	1,460	---	290	134	---
Total	4,250	9,759	11,579	14,876	49,239	110,578	87,605	62,822	40,306	10,082	8,089	7,057
Mean	137	325	374	480	1,759	3,567	2,920	2,027	1,344	325	261	235
Max	226	1,540	1,010	2,160	8,680	16,200	7,890	5,840	4,910	535	837	920
Min	112	130	214	255	199	716	638	799	503	231	134	125
Cfsm	0.16	0.38	0.44	0.56	2.05	4.16	3.40	2.36	1.57	0.38	0.30	0.27
In.	0.18	0.42	0.50	0.64	2.13	4.79	3.80	2.72	1.75	0.44	0.35	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	337	598	919	1,246	1,297	1,654	1,502	1,066	969	614	356	338
Max	2,845	3,359	3,472	6,494	3,485	4,596	4,281	3,236	4,432	4,157	2,264	3,143
(WY)	(2002)	(1994)	(1991)	(1950)	(1950)	(2007)	(1964)	(2002)	(1958)	(2003)	(1979)	(1989)
Min	88.4	109	107	102	141	368	322	249	143	138	93.8	69.3
(WY)	(1964)	(1964)	(1964)	(1977)	(1964)	(1981)	(1971)	(1988)	(1988)	(1966)	(1988)	(1954)

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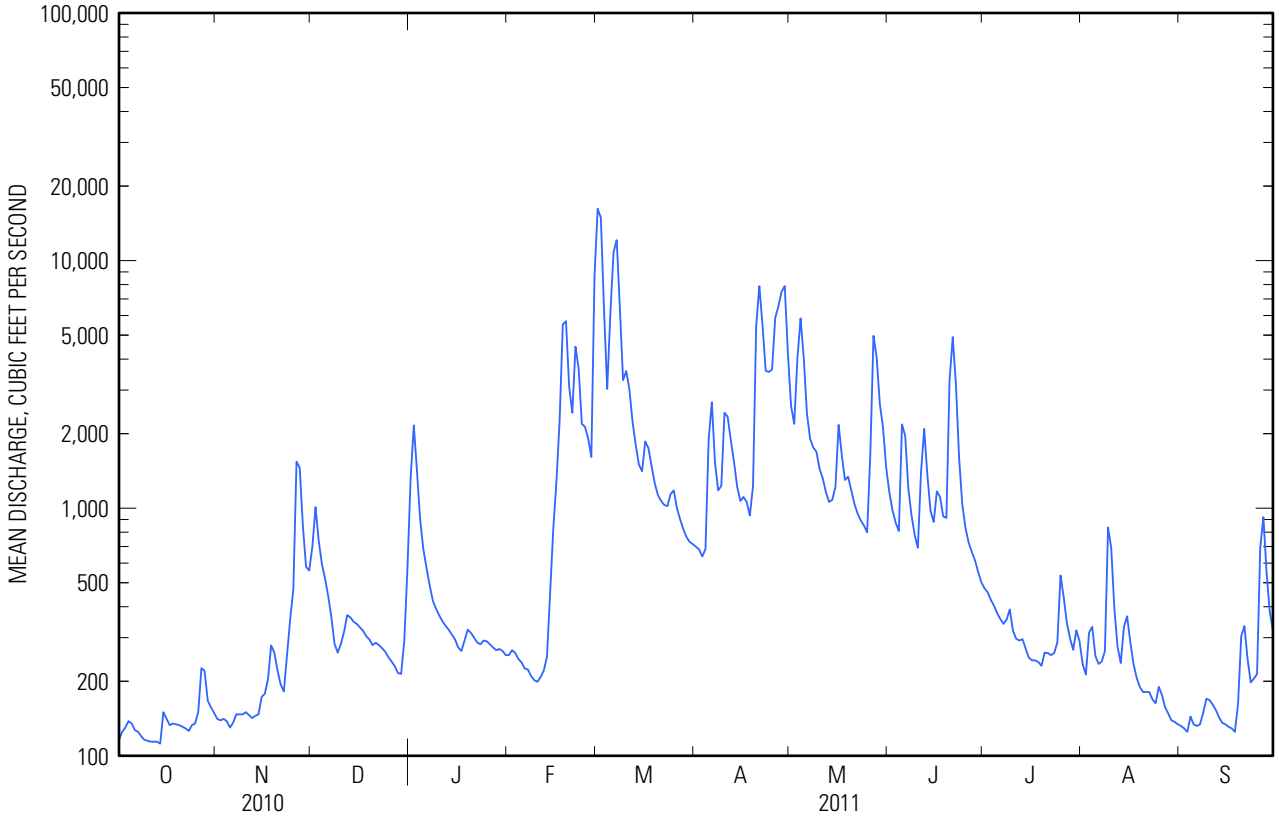
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1947 - 2011	
Annual total	321,747		416,242			
Annual mean	881		1,140		906	
Highest annual mean					1,479	2007
Lowest annual mean					266	1954
Highest daily mean	11,600	Jun 23	16,200	Mar 1	25,400	Dec 31, 1990
Lowest daily mean	112	Oct 14	112	Oct 14	44	Sep 28, 1954
Annual seven-day minimum	115	Oct 8	115	Oct 8	58	Sep 23, 1954
Maximum peak flow			17,900	Mar 1	27,000	Dec 31, 1990
Maximum peak stage			19.86	Mar 1	21.86	Jul 10, 2003
Annual runoff (cfsm)	1.03		1.33		1.06	
Annual runoff (inches)	13.95		18.05		14.34	
10 percent exceeds	2,010		2,820		2,050	
50 percent exceeds	459		350		429	
90 percent exceeds	135		137		141