Water-Data Report 2011

03348000 WHITE RIVER AT ANDERSON, IN

White River Basin

LOCATION.--Lat 40°06′22″, long 85°40′20″ referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.17, T.19 N., R.8 E., Madison County, IN, Hydrologic Unit 05120201, on downstream side of abandoned Twelfth Street bridge abutment, 250 ft upstream from municipal water-supply plant in Anderson, 1 mi upstream from Killbuck Creek, and at mile 293.3

DRAINAGE AREA.--406.00 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1925 to September 1926, October 1931 to December 1993 (discharge). September 2000 to September 2006 (gage height only). October 2006 to current year (discharge). Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at site 950 ft downstream December 1910 to February 1918, 250 ft downstream from February 1918 to Sept. 14, 1973, and at present site since Sept. 15, 1973, are contained in reports of National Weather Service. Prior to October 1948, published as West Fork White River at Anderson.

REVISED RECORDS.--WSP 1335: 1932, 1934-35, 1936(M), 1938-40. WSP 1385: 1950(P). WSP 1725: 1956(P). WSP 1909: 1956. WSP 2109: Drainage area. WDR IN-03-1: 1972.

GAGE.--Water-stage recorder. Datum of gage is 825.02 ft above National Geodetic Vertical Datum of 1929. Prior to May 12, 1934, non-recording gage at present site and datum. May 12, 1934 to Sept. 14, 1973, non-recording gage at site 250 ft downstream at same datum. Sept. 15, 1973 to Sept. 23, 1976, non-recording gage at present site an datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Prior to Sept. 15, 1973, the City of Anderson diverted water for its municipal supply above the gage then in use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 23.6 ft Mar. 25, 1913, at site 250 ft downstream and at present datum, based on determination of National Weather Service at site then in use, discharge, 28,000 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 03348000, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/03348000.2011.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	69	84	1,040	717	e108	11,500	320	1,290	688	238	137	78
2	72	86	708	994	e117	5,310	308	1,330	568	219	141	76
3	91	76	370	536	e113	1,650	288	3,050	490	211	192	79
4	78	74	264	315	e107	1,330	471	3,470	449	198	165	84
5	76	91	218	e222	e101	4,460	2,510	1,790	531	186	153	83
6	74	90	e180	e181	e97	9,980	1,730	1,340	442	175	149	85
7	71	88	e155	e157	e96	5,900	1,140	1,180	388	167	161	88
8	68	89	e128	e148	e92	1,950	956	1,180	348	230	192	109
9	68	93	e121	e142	e89	1,640	1,040	1,120	310	167	624	107
10	70	79	e123	e137	e87	1,980	1,750	979	295	153	260	105
11	68	88	136	e133	e89	1,500	1,340	844	1,100	146	160	102
12	69	86	159	e130	e93	1,240	1,260	720	1,190	159	128	97
13	67	89	e152	e127	e101	1,090	1,020	645	813	147	135	90
14	131	126	e147	e125	143	913	773	909	517	134	250	85
15	89	102	e143	e121	352	901	632	1,350	517	131	202	88
16	84	104	e140	e117	694	1,090	633	1,590	532	133	141	84
17	88	197	e135	e113	1,940	993	577	1,180	445	134	121	81
18	88	169	e130	e124	3,210	834	499	1,130	386	131	109	83
19	87	136	e126	e134	1,990	690	827	1,160	804	161	105	141
20	89	112	e120	e132	1,270	593	3,910	968	979	173	103	268
21	85	101	e121	e128	1,270	586	4,530	780	1,090	172	103	198
22	81	101	e118	e123	2,340	586	1,940	674	863	175	103	126
23	88	199	e114	e120	1,460	572	1,690	623	551	179	97	133
24	87	142	e105	e125	1,150	753	1,670	580	439	418	94	133
25	95	628	e101	e122	1,230	605	2,070	526	368	358	105	135
26	116	1,260	e98	e120	1,070	494	3,960	1,890	335	300	93	802
27	160	848	e94	e116	929	435	3,180	3,140	312	222	87	598
28	96	392	e93	e111	7,300	388	3,610	1,870	285	194	84	275
29	98	250	e92	e108	---	356	3,040	1,340	254	180	82	212
30	89	303	e104	e105	---	334	1,540	1,110	231	213	81	195
31	87	---	290	e103	---	326	---	868	---	162	79	---
Total	2,679	6,283	6,025	6,086	27,638	60,979	49,214	40,626	16,520	5,966	4,636	4,820
Mean	86.4	209	194	196	987	1,967	1,640	1,311	551	192	150	161
Max	160	1,260	1,040	994	7,300	11,500	4,530	3,470	1,190	418	624	802
Min	67	74	92	103	87	326	288	526	231	131	79	76
Cfsm	0.21	0.52	0.48	0.48	2.43	4.84	4.04	3.23	1.36	0.47	0.37	0.40
In.	0.25	0.58	0.55	0.56	2.53	5.59	4.51	3.72	1.51	0.55	0.42	0.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	145	283	406	512	606	790	718	494	416	252	176	143
Max	619	2,068	1,901	2,740	1,882	2,669	2,164	1,949	2,232	1,290	1,547	1,602
(WY)	(1987)	(1994)	(1991)	(1950)	(1950)	(2007)	(1964)	(1933)	(1958)	(1992)	(1979)	(1989)
Min	30.3	45.4	45.1	44.4	67.5	81.5	94.0	41.5	76.2	37.9	25.1	20.9
(WY)	(1941)	(1935)	(1964)	(1945)	(1935)	(1941)	(1941)	(1941)	(1988)	(1936)	(1940)	(1941)

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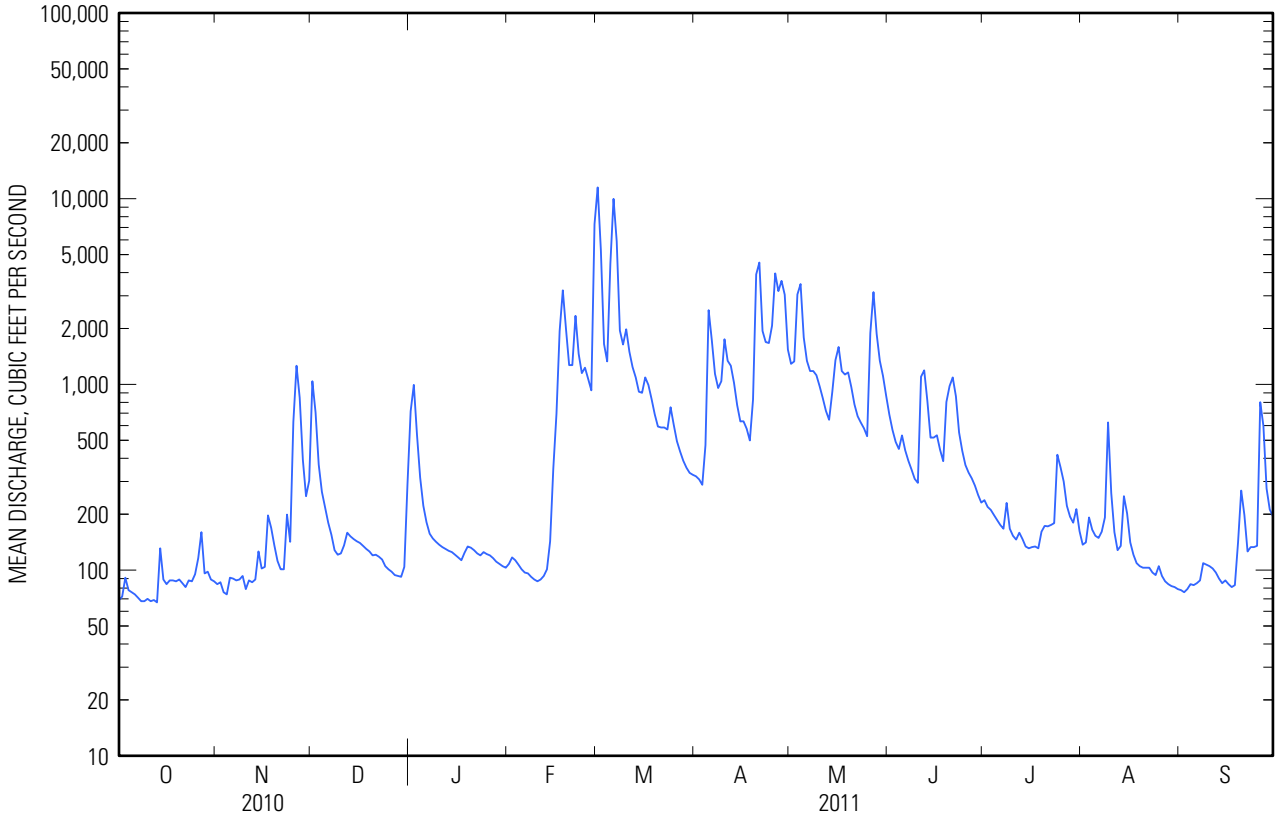
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1932 - 2011	
Annual total	171,304		231,472			
Annual mean	469		634		410	
Highest annual mean					777	2007
Lowest annual mean					80.5	1941
Highest daily mean	5,910	Mar 14	11,500	Mar 1	16,700	Dec 31, 1990
Lowest daily mean	66	Sep 29	67	Oct 13	9.1	Sep 24, 1940
Annual seven-day minimum	69	Sep 26	69	Oct 7	13	Sep 23, 1941
Maximum peak flow			12,700	Mar 1	18,700	Apr 21, 1964
Maximum peak stage			16.56	Mar 1	19.96	Jun 14, 1958
Annual runoff (cfsm)	1.16		1.56		1.01	
Annual runoff (inches)	15.70		21.21		13.72	
10 percent exceeds	1,180		1,480		896	
50 percent exceeds	220		180		185	
90 percent exceeds	77		87		63