

Water-Data Report 2011

03363000 DRIFTWOOD RIVER NEAR EDINBURGH, IN

East Fork White River Basin

LOCATION.--Lat 39°20'21", long 85°59'11" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.4, T.10 N., R.5 E., Bartholomew County, IN, Hydrologic Unit 05120204, on downstream side of Hendricks Ford Road bridge, 0.8 mi downstream from confluence of Big Blue River and Sugar Creek, 1.5 mi southwest of Edinburgh, and at mile 14.1.

DRAINAGE AREA.--1060.00 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1941 to September 1990, January 20, 2011 to September 30, 2011. Prior to July 1941 monthly discharge only, published in WSP 1305. Prior to October 1977, published as "near Edinburg".

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 636.59 ft above NAVD of 1988. Formerly published as 636.99 ft above NGVD of 1929, by levels of the Hurd Engineering Co. from USC and GS benchmark K-9 at St. Louis, IN., in 1941. Prior to Oct. 7, 1941, non-recording gage on left bank at same datum.

REMARKS.--Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1913 reached a stage of 20.3 ft, information from local residents; flood in June 2008 reached a stage of 17.28 ft, from floodmark, discharge not determined.

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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	---	---	---	---	---	9,010	763	4,180	1,750	780	294	180
2	---	---	---	---	---	10,200	755	6,310	1,470	727	280	178
3	---	---	---	---	---	5,940	729	10,100	1,290	682	267	176
4	---	---	---	---	---	3,290	2,420	11,300	1,160	646	263	184
5	---	---	---	---	---	6,910	9,670	8,340	1,100	820	267	187
6	---	---	---	---	---	14,700	11,000	4,950	1,100	666	252	189
7	---	---	---	---	---	16,200	6,080	3,720	982	601	247	190
8	---	---	---	---	---	10,200	3,400	3,360	900	573	245	197
9	---	---	---	---	---	5,650	2,960	2,830	829	579	243	202
10	---	---	---	---	---	6,450	3,430	2,330	776	534	283	207
11	---	---	---	---	---	5,300	2,990	2,010	972	502	e300	219
12	---	---	---	---	---	3,850	3,720	1,750	1,010	479	262	218
13	---	---	---	---	---	2,940	2,910	1,550	894	459	242	205
14	---	---	---	---	---	2,310	2,150	1,460	782	435	237	198
15	---	---	---	---	---	2,070	1,730	1,690	772	418	235	188
16	---	---	---	---	---	2,400	1,970	3,420	910	405	242	185
17	---	---	---	---	---	2,220	2,080	3,310	821	392	232	182
18	---	---	---	---	---	1,950	1,570	2,370	734	377	223	181
19	---	---	---	---	---	1,770	4,310	1,930	762	366	220	198
20	---	---	---	---	---	1,590	12,800	1,650	3,350	359	219	228
21	---	---	---	---	---	1,450	20,400	1,450	12,600	395	216	242
22	---	---	---	---	---	1,360	14,800	1,310	8,640	403	214	247
23	---	---	---	---	---	1,260	8,480	1,420	2,870	355	217	240
24	---	---	---	---	4,600	1,190	6,180	2,480	1,830	333	211	239
25	---	---	---	---	6,130	1,100	6,440	2,030	1,390	322	210	245
26	---	---	---	---	5,950	1,010	9,450	5,650	1,220	329	207	417
27	---	---	---	---	4,130	944	10,300	10,100	1,270	328	205	678
28	---	---	---	---	5,360	885	10,100	9,030	1,260	310	198	489
29	---	---	---	---	---	837	8,640	4,810	1,010	295	191	367
30	---	---	---	---	---	800	5,840	3,010	865	317	187	311
31	---	---	---	---	---	781	---	2,210	---	299	183	---
Total	---	---	---	---	---	126,567	178,067	122,060	55,319	14,486	7,292	7,367
Mean	---	---	---	---	---	4,083	5,936	3,937	1,844	467	235	246
Max	---	---	---	---	---	16,200	20,400	11,300	12,600	820	300	678
Min	---	---	---	---	---	781	729	1,310	734	295	183	176
Cfsm	---	---	---	---	---	3.85	5.60	3.71	1.74	0.44	0.22	0.23
In.	---	---	---	---	---	4.44	6.25	4.28	1.94	0.51	0.26	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	362	780	1,208	1,578	1,935	2,269	2,055	1,573	1,081	788	491	333
Max	2,590	4,035	3,840	8,315	5,062	5,011	5,936	4,125	3,731	3,180	3,485	2,815
(WY)	(1987)	(1956)	(1967)	(1950)	(1950)	(1961)	(2011)	(1968)	(1958)	(1979)	(1979)	(1989)
Min	102	136	125	119	227	550	493	359	204	117	99.7	68.8
(WY)	(1965)	(1954)	(1964)	(1977)	(1964)	(1981)	(1971)	(1976)	(1988)	(1954)	(1954)	(1954)

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SUMMARY STATISTICS

Water Years 1942 - 2011		
Annual mean	1,187	
Highest annual mean	2,039	1950
Lowest annual mean	411	1954
Highest daily mean	34,500	Mar 6, 1963
Lowest daily mean	50	Oct 1, 1941
Annual seven-day minimum	58	Sep 13, 1954
Maximum peak flow	40,500	Mar 6, 1963
Maximum peak stage	16.97	Mar 6, 1963
Annual runoff (cfsm)	1.12	
Annual runoff (inches)	15.21	
10 percent exceeds	2,720	
50 percent exceeds	579	
90 percent exceeds	162	

