

Water-Data Report 2013

03373980 WHITE RIVER ABOVE PETERSBURG, IN

White River Basin

LOCATION.--Lat 38°31'42", long 87°15'14" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.12, T.1 N., R.8 W., Pike County, IN, Hydrologic Unit 05120202, on left bank 300 ft upstream from intake structure of Indianapolis Power and Light Company's generating plant, 1.5 mi downstream from East Fork White River, 2.2 mi upstream from State Highway 61, 2.9 mi northeast of Petersburg, and at mile 48.0.

DRAINAGE AREA.--11,123 mi², drainage area derived from the "Drainage Areas of Indiana Streams" publication also known as the Hogget maps

SURFACE-WATER RECORDS

PERIOD OF RECORD.-- October 1976 to current year. Discharges below 1500 ft³/s only, published 1980 to 1993, and 1995 to current year.

GAGE.-- Water-stage recorder. Datum of gage is 401.52 ft above National Geodetic Vertical Datum of 1929.

REMARKS.-- Discharges below 1,500 ft³/s are only published. For a complete record of White River in this vicinity use records of White River at Petersburg, IN (03374000), 2.3 mi downstream.

03373980 WHITE RIVER ABOVE PETERSBURG, IN—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	1,480
18	---	---	---	---	---	---	---	---	---	---	---	1,450
19	---	---	---	---	---	---	---	---	---	---	---	1,430
20	---	---	---	---	---	---	---	---	---	---	---	1,420
21	---	---	---	---	---	---	---	---	---	---	---	1,430
22	---	---	---	---	---	---	---	---	---	---	---	1,470
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Total	---	---	---	---	---	---	---	---	---	---	---	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---
Cfsm	---	---	---	---	---	---	---	---	---	---	---	---
In.	---	---	---	---	---	---	---	---	---	---	---	---

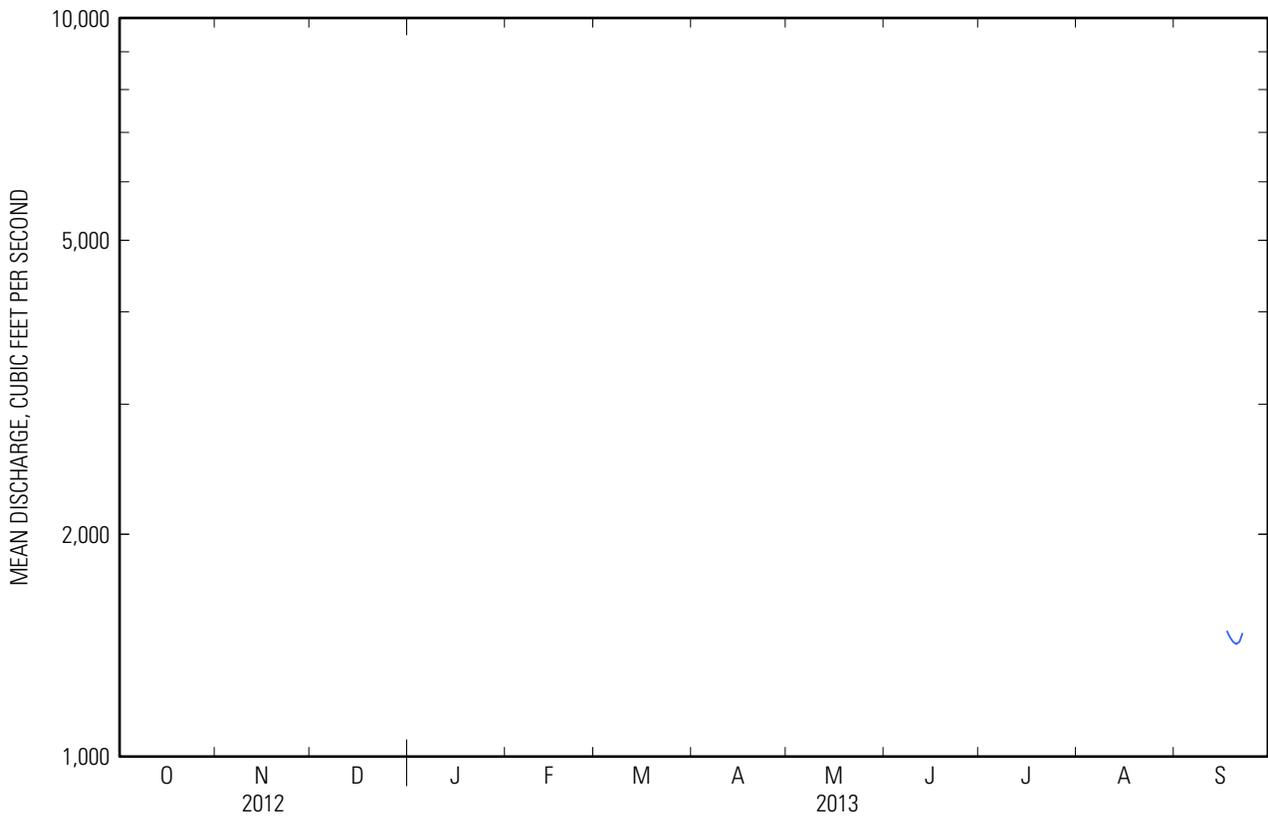
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5,077	9,823	13,230	12,690	17,330	24,120	23,450	22,020	14,000	10,850	10,480	5,218
Max	14,240	47,560	29,320	24,290	36,330	44,410	34,940	46,670	38,720	22,410	39,590	11,850
(WY)	(2001)	(1994)	(1978)	(1979)	(1990)	(1979)	(1998)	(1990)	(1998)	(1979)	(1979)	(1979)
Min	1,109	990	1,622	1,053	4,672	9,728	6,883	5,500	3,323	5,091	2,405	1,081
(WY)	(2000)	(2000)	(1977)	(1977)	(1978)	(2001)	(2001)	(2001)	(1977)	(1994)	(1994)	(1988)

03373980 WHITE RIVER ABOVE PETERSBURG, IN—Continued

SUMMARY STATISTICS

Water Years 1976 - 2013		
Annual mean	14,490	
Highest annual mean	20,760	1979
Lowest annual mean	6,596	1977
Highest daily mean	123,000	Nov 21, 1993
Lowest daily mean	870	Jan 11, 1977
Annual seven-day minimum	924	Oct 5, 1988
Annual runoff (cfsm)	1.30	
Annual runoff (inches)	17.70	
10 percent exceeds	31,600	
50 percent exceeds	9,370	
90 percent exceeds	2,510	



03373980 WHITE RIVER ABOVE PETERSBURG, IN—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

WATER TEMPERATURE: September 1988 to current year.

INSTRUMENTATION.-- Temperature recorder.

REMARKS.-- Records poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 34.7°C, Aug. 9, 2007; minimum, -0.4°C, Dec. 16, 21, 1989; Jan. 1, 2, 1990; Jan. 15, 16, 18, 19, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 30.8°C, Aug. 31, minimum, 0.7°C, Jan. 5.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	19.6	18.2	18.9	10.6	9.6	10.1	7.8	6.4	7.1	1.8	1.6	1.7
2	18.2	17.6	17.8	11.1	10.0	10.5	9.8	7.8	8.9	1.6	1.1	1.4
3	19.0	17.3	18.0	10.6	9.9	10.2	12.1	9.8	11.0	1.5	0.8	1.2
4	19.9	18.1	18.9	10.4	9.2	9.8	12.3	11.6	12.0	1.6	1.0	1.3
5	19.5	17.4	18.8	9.8	9.1	9.5	11.6	10.6	11.0	1.4	0.7	1.1
6	17.4	15.6	16.1	9.7	9.1	9.5	10.6	9.7	10.1	1.8	1.4	1.6
7	15.6	14.6	15.1	9.7	9.5	9.6	10.6	10.2	10.4	1.9	1.1	1.5
8	15.5	14.3	14.9	9.7	9.0	9.3	10.7	10.4	10.6	2.0	1.1	1.6
9	15.2	14.1	14.7	10.0	8.6	9.3	11.1	10.2	10.6	2.9	2.0	2.4
10	14.9	14.0	14.5	11.4	9.7	10.4	11.0	8.7	9.9	3.6	2.5	2.9
11	14.6	13.3	14.0	11.8	10.8	11.3	8.7	7.7	8.2	6.3	3.6	5.1
12	15.5	14.0	14.7	11.9	10.5	11.5	8.2	7.2	7.7	7.4	6.0	6.4
13	16.0	14.6	15.3	10.5	9.5	10	7.9	7.1	7.5	8.7	7.4	8.4
14	17.2	16.0	16.6	9.6	8.8	9.1	7.1	6.3	6.7	8.5	7.0	7.5
15	17.0	15.8	16.4	8.8	7.8	8.3	7.5	6.8	7.1	7.0	6.1	6.6
16	16.8	15.3	16.1	8.4	7.4	8.0	7.8	7.4	7.6	6.5	5.4	5.9
17	16.6	15.9	16.3	8.2	7.3	7.8	7.8	7.5	7.7	5.7	4.8	5.2
18	16.3	15.4	15.8	8.3	7.3	7.8	7.9	7.5	7.7	4.8	3.9	4.2
19	15.5	14.4	14.9	8.3	7.5	7.9	7.6	7.1	7.4	4.1	3.4	3.7
20	14.4	13.8	14.1	9.2	8.2	8.6	8.0	6.8	7.6	4.0	3.4	3.7
21	15.0	13.2	14.1	9.9	8.9	9.4	6.8	5.0	5.7	3.4	2.7	3.0
22	16.6	14.9	15.7	10.1	9.0	9.6	5.0	4.2	4.6	2.9	2.1	2.4
23	17.2	16.1	16.6	10.2	8.8	9.8	5.0	4.2	4.6	2.8	2.3	2.5
24	18.2	16.5	17.3	8.8	7.0	7.8	5.2	4.9	5.0	2.7	2.1	2.3
25	18.8	17.3	18.0	7.5	6.4	7.0	4.9	4.7	4.8	2.2	2.0	2.1
26	18.4	15.3	16.8	7.2	6.6	6.8	4.7	3.0	3.4	2.1	1.6	1.9
27	15.3	14.2	14.7	6.8	5.9	6.3	3.0	2.7	2.9	2.1	1.6	1.8
28	14.4	13.4	13.9	6.1	5.2	5.7	---	---	---	3.2	2.1	2.6
29	13.4	12.2	12.8	6.2	5.0	5.6	2.8	2.3	2.5	5.2	3.2	3.9
30	12.2	10.7	11.3	6.9	5.6	6.2	2.3	1.7	2.0	7.3	5.2	6.4
31	10.8	10.0	10.4	---	---	---	2.0	1.7	1.8	7.1	5.4	6.3
Month	19.9	10.0	15.6	11.9	5.0	8.8	---	---	---	8.7	0.7	3.5

03373980 WHITE RIVER ABOVE PETERSBURG, IN—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	5.5	4.9	5.2	5.3	5.1	5.2	10.0	8.9	9.4	16.8	15.2	15.8
2	5.5	4.8	5.3	5.3	4.8	5.1	10.4	9.0	9.7	17.7	16.5	17.1
3	4.8	3.8	4.3	4.9	4.5	4.7	10.6	9.4	10.0	18.0	17.2	17.6
4	3.8	2.3	3.0	4.8	4.4	4.5	11.0	9.6	10.3	18.0	17.4	17.8
5	2.3	1.8	2.0	4.5	4.0	4.2	11.8	10.2	11.0	17.4	16.1	16.6
6	2.1	1.6	1.9	4.0	3.7	3.8	12.6	11.2	11.9	16.5	16.0	16.2
7	3.4	2.1	2.6	4.0	3.6	3.8	13.7	12.4	13.0	16.4	16.0	16.2
8	3.7	3.4	3.6	4.8	3.8	4.3	14.4	13.5	13.9	16.8	16.1	16.4
9	4.3	3.7	3.9	5.4	4.5	4.9	16.0	14.1	15.0	17.6	16.8	17.2
10	5.1	4.2	4.5	6.3	5.4	5.8	17.3	15.6	16.4	17.7	17.4	17.5
11	5.8	5.1	5.4	6.9	6.2	6.7	17.4	16.5	17.0	17.7	17.3	17.5
12	5.9	5.3	5.6	7.4	6.6	7.0	16.5	14.9	15.6	17.6	16.9	17.2
13	5.8	5.3	5.6	7.2	6.8	7.0	14.9	14.0	14.5	17.6	16.8	17.2
14	6.1	5.3	5.7	7.2	6.7	7.0	15.4	14.3	14.8	18.1	17.0	17.5
15	5.9	5.5	5.7	7.8	7.0	7.4	15.1	14.7	14.9	18.6	17.5	18.0
16	5.5	5.0	5.3	8.3	7.8	8.0	15.3	14.8	15.1	18.4	17.8	18.0
17	5.2	4.5	4.9	8.2	7.0	7.7	16.1	15.0	15.5	18.2	17.7	17.9
18	5.5	4.6	5.0	7.0	5.8	6.2	16.6	15.8	16.2	19.1	18.2	18.6
19	5.5	4.9	5.3	7.1	5.8	6.4	16.3	14.5	15.3	20.5	18.9	19.7
20	4.9	4.1	4.4	7.1	6.4	6.7	14.5	13.8	14.2	21.8	20.4	21.1
21	4.2	3.6	3.8	6.5	6.1	6.3	14.4	13.6	14.0	22.3	21.2	21.8
22	4.2	3.8	4.0	6.2	5.8	6.0	14.6	13.2	13.9	22.5	21.7	22.1
23	4.6	3.6	4.1	6.5	5.7	6.1	14.3	13.7	14.0	22.3	21.2	21.8
24	4.9	3.9	4.4	6.5	6.3	6.4	14.0	13.1	13.5	21.4	20.2	20.9
25	5.3	4.4	4.9	6.4	6.2	6.3	13.9	12.8	13.3	21.0	20.2	20.6
26	5.5	5.0	5.2	6.5	6.2	6.4	13.9	13.1	13.6	20.5	19.7	20.2
27	5.4	5.1	5.2	7.0	6.3	6.7	13.8	13.4	13.5	21.1	19.8	20.5
28	5.2	4.9	5.0	7.4	6.3	6.8	13.7	13.4	13.5	21.8	20.6	21.1
29	---	---	---	7.7	6.8	7.2	14.2	13.3	13.7	22.8	21.2	21.9
30	---	---	---	8.3	7.4	7.8	15.3	13.8	14.4	23.2	22.2	22.7
31	---	---	---	9.3	8.1	8.6	---	---	---	23.1	22.3	22.7
Month	6.1	1.6	4.5	9.3	3.6	6.2	17.4	8.9	13.7	23.2	15.2	18.9

03373980 WHITE RIVER ABOVE PETERSBURG, IN—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	22.7	21.2	21.9	23.6	23.1	23.3	25.7	23.5	24.5	29.3	26.6	27.4
2	21.7	21.2	21.4	23.3	22.9	23.0	25.8	24.4	25.0	27.9	25.9	26.9
3	21.4	21.0	21.2	23.3	22.6	23.0	26.6	24.8	25.6	27.9	25.8	26.8
4	21.5	20.8	21.2	23.2	22.8	23.0	26.2	25.0	25.6	27.5	25.0	26.2
5	22.1	21.1	21.6	23.4	22.6	23.0	26.3	24.3	25.3	27.5	25.3	26.3
6	22.8	22.0	22.4	24.2	23.2	23.6	26.1	25.4	25.6	27.8	25.4	26.6
7	23.3	22.4	22.8	24.7	23.6	24.1	26.4	25.4	25.8	28.0	25.8	26.9
8	23.7	22.8	23.2	25.3	24.0	24.7	27.2	25.6	26.2	27.2	26.2	26.7
9	23.5	22.8	23.2	26.2	24.8	25.5	27.1	25.1	26.2	28.0	25.4	26.6
10	23.0	22.3	22.7	26.4	25.6	26.0	28.1	26.2	27.0	28.6	26.8	27.6
11	23.5	22.2	22.8	26.7	25.6	26.2	28.8	26.5	27.6	29.1	26.7	27.8
12	24.5	23.0	23.7	26.5	25.2	25.9	27.8	26.7	27.2	28.2	26.6	27.5
13	24.8	23.9	24.3	26.3	25.3	25.8	27.2	25.8	26.7	26.6	24.3	25.3
14	25.2	23.9	24.6	26.9	25.4	26.2	26.0	24.3	25.2	24.7	22.4	23.6
15	25.8	24.6	25.1	27.6	26.3	26.9	25.3	23.6	24.4	23.9	21.7	22.8
16	25.3	24.7	25.0	28.6	26.7	27.6	25.0	23.3	24.2	23.6	22.4	22.9
17	25.2	24.3	24.6	29.5	27.6	28.5	24.3	23.4	23.8	23.4	21.4	22.4
18	24.7	23.6	24.2	29.9	28.4	29.2	25.6	22.8	24.1	23.0	21.7	22.3
19	25.8	24.0	24.9	30.4	28.8	29.6	26.4	24.0	25.2	24.0	22.2	23.0
20	26.0	25.0	25.5	30.2	28.8	29.4	27.2	24.9	26.0	23.6	23.0	23.3
21	26.3	25.0	25.7	29.5	27.6	28.4	27.9	25.6	26.7	23.2	21.7	22.5
22	27.0	25.5	26.1	27.9	26.0	26.7	28.5	26.2	27.3	23.0	20.7	21.8
23	26.5	25.8	26.0	28.0	26.4	27.2	29.1	26.8	27.9	22.6	20.4	21.5
24	26.0	25.1	25.5	27.8	26.9	27.4	29.2	26.6	27.9	22.8	20.6	21.6
25	26.2	24.9	25.5	27.2	25.7	26.6	28.9	26.4	27.7	23.8	21.8	22.6
26	26.1	24.4	25.5	26.7	25.5	26.2	29.0	26.9	27.9	24.0	21.8	22.8
27	24.5	23.9	24.2	26.5	25.4	25.9	29.2	27.2	28.2	23.7	21.5	22.6
28	24.2	23.0	23.3	25.8	24.3	25.1	29.6	27.2	28.4	23.4	21.5	22.4
29	23.7	22.8	23.2	25.9	24.1	25.0	30.4	27.9	29.0	22.4	21.0	21.6
30	23.9	23.5	23.7	25.2	24.1	24.7	30.5	28.0	29.2	21.4	20.6	20.9
31	---	---	---	24.4	23.7	24.0	30.8	28.3	29.5	---	---	---
Month	27.0	20.8	23.8	30.4	22.6	25.9	30.8	22.8	26.5	29.3	20.4	24.3