



Water-Data Report 2011

03353620 LICK CREEK AT INDIANAPOLIS, IN

White River Basin

LOCATION.--Lat 39°42'21", long 86°06'13" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.32, T.15 N., R.4 E., Marion County, IN, Hydrologic Unit 05120201, on left bank, at upstream side of Sherman Drive bridge in Indianapolis, 0.35 mi downstream of Beach Creek mouth, 5.1 mi west of Wanamaker, IN., and at mile 6.2.

DRAINAGE AREA.--15.60 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 742.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Flood Control and Water Resources Commission bench mark).

REMARKS.--Records poor.

03353620 LICK CREEK AT INDIANAPOLIS, IN—Continued

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	e1.6	0.62	17	185	e3.1	57	8.4	40	7.7	4.6	0.67	e0.70
2	e2.9	0.62	7.8	41	e3.0	30	12	100	7.0	3.9	0.42	e0.62
3	e1.1	0.62	4.9	21	e3.0	20	7.9	209	12	3.4	0.37	e0.83
4	e1.4	0.69	4.9	14	e3.0	57	444	61	12	3.0	0.37	e0.68
5	e1.0	0.80	5.4	e10	e3.0	772	112	36	27	2.6	0.39	e0.59
6	e0.78	0.80	4.0	e8.3	e2.9	113	49	28	9.3	2.3	1.3	e0.57
7	e0.71	0.76	3.0	e7.4	e2.8	56	30	27	6.1	2.8	1.3	e0.63
8	e0.67	0.75	3.2	e6.7	e2.7	37	22	38	4.6	2.6	2.4	e0.68
9	e0.66	1.1	3.3	e5.9	e2.7	73	31	21	3.7	2.2	20	e0.98
10	e0.72	0.93	2.9	e6.9	e2.6	60	24	17	3.8	1.7	5.5	e1.8
11	e0.68	0.89	7.1	e6.9	e2.4	34	28	14	11	1.4	1.4	e8.2
12	e0.80	0.84	23	e6.7	e2.4	25	22	12	4.1	1.3	0.76	e3.5
13	4.1	1.4	e9.7	e6.5	e45	20	17	11	2.7	1.1	1.2	e2.1
14	2.4	3.5	e8.0	e6.1	e85	17	14	10	2.2	1.00	5.5	e2.1
15	2.0	2.1	e6.7	e5.7	e44	47	13	22	60	0.90	2.6	e2.2
16	1.2	16	e5.5	e5.3	e36	37	83	16	17	0.87	1.2	e2.0
17	0.85	22	e4.6	e4.9	64	25	29	10	7.3	0.80	1.1	e1.7
18	0.79	3.7	e4.1	e4.4	41	24	21	10	31	0.79	1.1	e1.7
19	0.86	1.8	e3.9	e4.2	25	22	593	9.6	57	0.78	1.3	27
20	0.78	1.2	e3.8	e4.0	21	17	684	7.5	1,150	2.0	1.3	14
21	0.66	1.1	e3.7	e3.9	e229	16	88	6.5	154	1.1	13	9.8
22	0.62	1.2	e3.5	e3.7	122	14	75	16	49	0.96	3.6	9.8
23	0.66	25	e3.4	e3.7	44	14	59	50	26	1.0	2.2	14
24	1.4	33	e3.3	e3.5	e34	16	69	23	17	7.0	2.2	12
25	1.6	229	e3.3	e3.4	e30	12	171	66	11	5.2	2.9	53
26	18	72	e3.3	e3.3	e28	11	84	221	20	1.3	2.1	117
27	5.0	14	e3.2	e3.3	e36	9.2	194	54	21	1.2	e1.5	11
28	1.7	6.4	e3.1	e3.2	313	8.3	157	29	12	0.75	e1.1	e5.7
29	0.94	6.4	e3.0	e3.1	---	7.7	52	19	7.5	0.51	e0.84	e4.8
30	0.68	89	e21	e3.1	---	7.6	33	13	5.7	3.6	e0.73	e4.1
31	0.59	---	37	e3.1	---	7.7	---	9.8	---	1.4	e0.88	---
Total	57.85	538.22	220.6	398.2	1,230.6	1,666.5	3,226.3	1,206.4	1,758.7	64.06	81.23	313.78
Mean	1.87	17.9	7.12	12.8	44.0	53.8	108	38.9	58.6	2.07	2.62	10.5
Max	18	229	37	185	313	772	684	221	1,150	7.0	20	117
Min	0.59	0.62	2.9	3.1	2.4	7.6	7.9	6.5	2.2	0.51	0.37	0.57
Cfsm	0.12	1.15	0.46	0.82	2.82	3.45	6.89	2.49	3.76	0.13	0.17	0.67
In.	0.14	1.28	0.53	0.95	2.93	3.97	7.69	2.88	4.19	0.15	0.19	0.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	9.64	19.9	24.6	24.8	26.6	33.4	30.5	27.1	23.2	16.9	10.6	9.03
Max	55.9	102	76.4	126	57.1	85.6	108	102	93.4	95.5	54.1	54.8
(WY)	(2002)	(1994)	(1991)	(2005)	(1975)	(2008)	(2011)	(1996)	(2008)	(1992)	(1979)	(2003)
Min	1.03	0.71	2.14	1.00	4.67	5.46	3.92	1.87	0.39	2.01	1.28	0.17
(WY)	(1983)	(2000)	(1981)	(1981)	(1978)	(2001)	(1971)	(1988)	(1988)	(2007)	(1986)	(1999)

03353620 LICK CREEK AT INDIANAPOLIS, IN—Continued**SUMMARY STATISTICS**

	Calendar Year 2010	Water Year 2011	Water Years 1971 - 2011	
Annual total	7,441.68	10,762.44		
Annual mean	20.4	29.5	21.3	
Highest annual mean			35.7	2008
Lowest annual mean			10.8	2000
Highest daily mean	1,060	Jun 22	1,150	Jun 20
Lowest daily mean	0.48	Aug 19	0.37	Aug 3
Annual seven-day minimum	0.66	Oct 30	0.66	Sep 2
Maximum peak flow			2,710	Jun 20
Maximum peak stage			10.35	Jun 20
Annual runoff (cfsm)	1.31	1.89	1.37	
Annual runoff (inches)	17.75	25.66	18.57	
10 percent exceeds	41	57	46	
50 percent exceeds	11	5.5	7.1	
90 percent exceeds	0.89	0.79	1.2	

