



Water-Data Report 2011

03353120 PLEASANT RUN AT ARLINGTON AVENUE AT INDIANAPOLIS, IN

White River Basin

LOCATION.--Lat 39°46'33", long 86°03'50" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.2, T.15 N., R.4 E., Marion County, IN, Hydrologic Unit 05120201, on right bank 46 ft upstream from Arlington Avenue bridge in Indianapolis, 0.5 mi downstream from small left-bank tributary, and at mile 7.9.

DRAINAGE AREA.--7.58 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1959 to current year.

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 780.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

REMARKS.--Records poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1956 reached a stage of 16.0 ft, from information by local resident.

03353120 PLEASANT RUN AT ARLINGTON AVENUE 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	e0.16	0.64	4.0	72	e0.60	16	1.4	13	2.0	1.9	1.1	0.16
2	e4.2	0.60	2.0	8.6	e0.60	7.1	1.8	41	1.7	1.8	0.68	0.16
3	e0.58	0.77	1.4	3.9	e0.59	4.7	1.1	67	1.7	1.8	1.2	0.17
4	e0.21	0.91	2.2	2.7	e0.58	26	148	13	8.2	1.7	0.66	0.28
5	e0.21	1.0	1.7	e2.0	e0.57	322	21	6.6	11	1.5	1.9	0.23
6	e0.28	0.77	1.1	e1.7	e0.57	25	7.6	5.8	3.3	1.6	1.6	0.28
7	e0.21	0.70	0.87	e1.5	e0.59	10	4.8	16	2.3	5.1	0.89	0.57
8	e0.21	0.67	0.77	e1.3	e0.61	5.8	4.2	10	1.8	8.0	45	1.0
9	e0.21	0.71	0.69	e1.1	e0.62	23	11	4.4	1.5	2.4	34	0.93
10	e0.21	0.84	1.0	e1.0	e0.62	9.0	4.8	3.4	1.3	1.6	3.1	0.89
11	e0.20	0.63	4.8	e0.96	e0.63	5.0	8.1	2.9	17	1.3	0.93	8.4
12	e0.19	0.65	7.3	e0.91	e3.4	3.8	4.1	2.5	2.2	1.6	0.38	0.39
13	8.4	1.8	e1.9	e0.90	e13	2.9	2.8	2.1	1.5	1.2	3.3	0.15
14	1.3	2.4	e1.3	e0.87	28	2.4	2.2	2.1	1.2	0.93	5.4	1.1
15	0.46	0.41	e1.2	e0.86	11	20	2.5	14	32	0.85	0.74	2.3
16	0.69	19	e1.1	e0.82	14	7.5	42	5.1	5.1	0.84	0.31	0.19
17	0.96	8.5	e1.1	e0.82	16	4.0	5.7	2.6	2.5	0.83	0.22	0.15
18	0.70	1.6	e0.99	e0.81	8.9	7.8	3.5	2.6	50	0.74	0.18	0.14
19	2.4	0.82	e0.93	e0.76	4.4	3.9	247	2.1	20	0.90	0.16	47
20	1.0	0.59	e0.91	e0.74	4.5	2.7	239	1.7	614	0.78	0.17	7.0
21	0.80	0.55	e0.89	e0.73	80	2.4	16	1.6	22	0.70	6.3	1.7
22	0.70	0.88	e0.88	e0.72	22	2.1	17	10	7.9	1.9	0.97	1.1
23	0.77	26	e0.85	e0.72	7.3	2.0	11	12	4.7	1.3	0.28	11
24	4.0	25	e0.80	e0.72	10	2.9	26	4.3	3.9	22	0.38	1.8
25	1.2	95	e0.78	e0.71	21	1.8	71	29	3.1	5.6	2.9	45
26	25	17	e0.75	e0.70	11	1.6	19	66	7.5	2.1	0.23	72
27	2.4	3.8	e0.73	e0.68	15	1.4	76	13	7.1	1.2	0.17	2.0
28	1.1	1.8	e0.72	e0.65	240	1.3	48	6.3	3.3	1.7	0.15	1.3
29	0.74	2.0	e0.68	e0.62	---	1.2	10	4.2	2.6	2.0	0.14	3.8
30	0.55	37	15	e0.61	---	1.5	6.2	3.1	2.0	8.6	0.15	1.0
31	0.64	---	8.1	e0.60	---	1.3	---	2.4	---	1.8	1.3	---
Total	60.68	253.04	67.44	111.71	516.08	528.1	1,062.8	369.8	844.4	86.27	114.89	212.19
Mean	1.96	8.43	2.18	3.60	18.4	17.0	35.4	11.9	28.1	2.78	3.71	7.07
Max	25	95	15	72	240	322	247	67	614	22	45	72
Min	0.16	0.41	0.68	0.60	0.57	1.2	1.1	1.6	1.2	0.70	0.14	0.14
Cfsm	0.26	1.11	0.29	0.48	2.43	2.25	4.67	1.57	3.71	0.37	0.49	0.93
In.	0.30	1.24	0.33	0.55	2.53	2.59	5.22	1.81	4.14	0.42	0.56	1.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.86	8.54	9.15	9.02	8.84	13.5	11.9	10.8	9.48	8.76	5.16	4.94
Max	27.5	36.9	33.3	54.8	25.7	42.3	35.4	37.8	49.2	33.8	21.3	34.3
(WY)	(1987)	(1994)	(1991)	(2005)	(1971)	(1963)	(2011)	(1996)	(1998)	(1979)	(1979)	(2003)
Min	0.38	1.05	0.72	0.45	1.11	1.81	1.61	1.12	0.69	0.61	0.67	0.49
(WY)	(1964)	(2000)	(1964)	(1977)	(1978)	(2001)	(1971)	(1964)	(1967)	(1967)	(1967)	(1967)

03353120 PLEASANT RUN AT ARLINGTON AVENUE AT INDIANAPOLIS, IN—Continued**SUMMARY STATISTICS**

	Calendar Year 2010	Water Year 2011	Water Years 1960 - 2011	
Annual total	2,811.30	4,227.40		
Annual mean	7.70	11.6	8.77	
Highest annual mean			13.3	2008
Lowest annual mean			3.25	1966
Highest daily mean	313	Jun 22	792	Sep 1, 2003
Lowest daily mean	0.16	Oct 1	0.00	Sep 11, 1960
Annual seven-day minimum	0.22	Oct 6	0.00	Oct 5, 1960
Maximum peak flow		2,180	2,600	Jun 25, 1978
Maximum peak stage		12.37	13.86	Jun 25, 1978
Annual runoff (cfsm)	1.02	1.53	1.16	
Annual runoff (inches)	13.80	20.75	15.71	
10 percent exceeds	20	21	18	
50 percent exceeds	1.7	1.8	2.0	
90 percent exceeds	0.44	0.51	0.50	

