



Water-Data Report 2009

03230310 LITTLE DARBY CREEK AT WEST JEFFERSON OH

Scioto Basin
Upper Scioto Subbasin

LOCATION.--Lat 39°57'04", long 83°16'10" referenced to North American Datum of 1927, Madison County, OH, Hydrologic Unit 05060001, at bridge on Middle Pike, 0.4 mi north of West Jefferson, and 7.2 mi upstream from Big Darby Creek.

DRAINAGE AREA.--162 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Low flow site from 1979-1983. Continuous-record stream gage from October 1992 to September 2005, April 2009 to September 2009. Stage-only gage from October 2005 to March 2009. Index station for nearby low flow site from 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 785 ft NGVD 1929. Prior to 1992, low-flow partial-record site.

REMARKS.--Records fair except for periods of estimated record, which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 2	2000	*1,150	*8.94
No other peak greater than base discharge			

Minimum discharge, 9.4 ft³/s, Aug. 18, gage height, 4.59 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	63	207	53	36	103	22
2	---	---	---	---	---	---	64	892	52	31	81	17
3	---	---	---	---	---	---	73	680	53	28	53	15
4	---	---	---	---	---	---	75	357	51	25	40	13
5	---	---	---	---	---	---	65	241	47	27	32	13
6	---	---	---	---	---	---	80	197	43	23	28	12
7	---	---	---	---	---	---	106	206	38	21	24	13
8	---	---	---	---	---	---	98	200	36	17	21	23
9	---	---	---	---	---	---	87	170	35	15	18	17
10	---	---	---	---	---	---	84	139	35	14	17	16
11	---	---	---	---	---	---	101	117	42	82	18	14
12	---	---	---	---	---	---	104	105	50	521	33	13
13	---	---	---	---	---	---	98	99	49	319	22	12
14	---	---	---	---	---	---	260	128	38	126	16	12
15	---	---	---	---	---	---	566	339	33	73	13	13
16	---	---	---	---	---	---	379	228	31	51	12	18
17	---	---	---	---	---	---	260	168	76	41	11	18
18	---	---	---	---	---	---	207	129	124	34	e10	20
19	---	---	---	---	---	---	182	108	108	28	e9.6	21
20	---	---	---	---	---	---	267	95	102	24	e15	24
21	---	---	---	---	---	---	397	88	85	24	e27	26
22	---	---	---	---	---	---	295	83	66	30	e41	26
23	---	---	---	---	---	---	219	77	54	185	e42	26
24	---	---	---	---	---	---	175	74	45	305	e23	28
25	---	---	---	---	---	---	152	71	39	145	e16	36
26	---	---	---	---	---	---	130	65	48	91	e13	33
27	---	---	---	---	---	---	115	73	94	70	e12	37
28	---	---	---	---	---	---	107	76	74	49	15	37
29	---	---	---	---	---	---	100	68	54	42	29	37
30	---	---	---	---	---	---	109	63	43	37	57	35
31	---	---	---	---	---	---	---	57	---	45	37	---
Total	---	---	---	---	---	---	5,018	5,600	1,698	2,559	888.6	647
Mean	---	---	---	---	---	---	167	181	56.6	82.5	28.7	21.6
Max	---	---	---	---	---	---	566	892	124	521	103	37
Min	---	---	---	---	---	---	63	57	31	14	9.6	12
Cfsm	---	---	---	---	---	---	1.03	1.12	0.35	0.51	0.18	0.13
In.	---	---	---	---	---	---	1.15	1.29	0.39	0.59	0.20	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	64.5	104	169	317	221	351	279	268	228	116	48.5	44.7
Max	446	312	370	1,237	386	1,004	493	845	673	701	335	377
(WY)	(2007)	(1994)	(2007)	(2005)	(2008)	(2008)	(1996)	(1996)	(1997)	(1993)	(1995)	(2003)
Min	1.74	6.81	10.5	56.6	91.7	74.9	70.2	55.5	18.5	16.8	3.50	0.11
(WY)	(2000)	(2000)	(2000)	(2001)	(1995)	(2001)	(1997)	(1999)	(1999)	(1999)	(1999)	(1999)

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SUMMARY STATISTICS

Water Years 1993 - 2009		
Annual mean	178	
Highest annual mean	256	1996
Lowest annual mean	91.1	1999
Highest daily mean	6,060	Jan 6, 2005
Lowest daily mean	0.00	Sep 6, 1999
Annual seven-day minimum	0.00	Sep 12, 1999
Maximum peak flow	6,560	Jan 6, 2005
Maximum peak stage	15.67	Jan 6, 2005
Instantaneous low flow	0.00	Sep 4, 1999
Annual runoff (cfsm)	1.10	
Annual runoff (inches)	14.91	
10 percent exceeds	428	
50 percent exceeds	73	
90 percent exceeds	8.9	

