

Water-Data Report 2007

03342500 BUSSERON CREEK NEAR CARLISLE, IN

Wabash River Basin

LOCATION.--Lat 38°58'27", long 87°25'33" referenced to North American Datum of 1927, NWS17 VINCENNES, Sullivan County, IN, Hydrologic Unit 05120111, on left downstream side of bridge on State Highway 58, 1.5 mi northwest of Carlisle, and 6.7 mi upstream from mouth.

DRAINAGE AREA.--228 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1943 to October 2003, February 2007 to September 30, 2007.

REVISED RECORDS.--WSP 1335: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 425.36 above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark.) Prior to Nov. 8, 1950, nonrecording gage at same site and datum. Nov. 8, 1950 to Oct. 31, 1969, at site 200 ft upstream at same datum.

REMARKS.--Records good. Flow affected by U.S. Soil Conservation Service floodwater-retarding structures and surface-mined areas. Gage can be in backwater at times from the Wabash River.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	435	165	50	116	11	3.8
2	---	---	---	---	---	---	355	146	66	90	9.7	4.0
3	---	---	---	---	---	---	410	144	67	73	8.7	4.0
4	---	---	---	---	---	---	1,060	168	69	63	10	4.1
5	---	---	---	---	---	---	592	233	62	65	21	4.2
6	---	---	---	---	---	---	377	178	54	195	12	4.5
7	---	---	---	---	---	---	282	135	46	160	9.7	4.7
8	---	---	---	---	---	244	226	117	39	105	8.1	7.2
9	---	---	---	---	---	228	198	132	34	80	7.8	19
10	---	---	---	---	---	205	177	140	30	68	7.2	20
11	---	---	---	---	---	174	301	116	26	64	5.8	15
12	---	---	---	---	---	155	487	105	23	48	5.1	16
13	---	---	---	---	---	147	314	92	24	41	5.2	12
14	---	---	---	---	---	147	451	83	21	36	5.1	8.1
15	---	---	---	---	---	1,140	824	76	19	32	4.8	6.5
16	---	---	---	---	---	1,390	463	77	22	28	4.6	5.5
17	---	---	---	---	---	1,220	319	72	23	36	8.0	4.5
18	---	---	---	---	---	573	264	65	19	49	4.6	4.3
19	---	---	---	---	---	416	218	61	23	60	4.0	5.0
20	---	---	---	---	---	421	187	59	37	52	4.2	5.4
21	---	---	---	---	---	345	167	54	27	40	6.3	5.9
22	---	---	---	---	---	379	153	49	32	30	9.7	5.7
23	---	---	---	---	---	412	137	46	152	25	6.2	4.9
24	---	---	---	---	---	571	129	43	539	20	5.4	4.9
25	---	---	---	---	---	428	433	40	256	17	6.7	5.4
26	---	---	---	---	---	325	338	41	151	15	8.3	13
27	---	---	---	---	---	270	435	74	132	18	4.4	26
28	---	---	---	---	---	255	322	83	133	24	3.7	11
29	---	---	---	---	---	362	237	72	137	19	3.7	6.4
30	---	---	---	---	---	410	194	57	175	16	3.8	4.2
31	---	---	---	---	---	486	---	51	---	13	4.0	---
Total	---	---	---	---	---	---	10,485	2,974	2,488	1,698	218.8	245.2
Mean	---	---	---	---	---	---	350	95.9	82.9	54.8	7.06	8.17
Max	---	---	---	---	---	---	1,060	233	539	195	21	26
Min	---	---	---	---	---	---	129	40	19	13	3.7	3.8
Cfsm	---	---	---	---	---	---	1.53	0.42	0.36	0.24	0.03	0.04
In.	---	---	---	---	---	---	1.71	0.49	0.41	0.28	0.04	0.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	61.9	168	252	316	362	440	422	342	183	114	58.5	79.6
Max	827	1,250	1,421	2,380	1,317	1,284	1,102	1,469	988	1,101	633	701
(WY)	(2001)	(1994)	(1983)	(1950)	(1950)	(1978)	(1945)	(2002)	(1945)	(1979)	(1979)	(1989)
Min	1.39	0.94	2.87	3.64	11.3	12.8	35.6	31.6	8.88	0.04	1.89	0.88
(WY)	(1944)	(1955)	(1954)	(1977)	(1954)	(1954)	(1954)	(1954)	(1954)	(1954)	(1953)	(1953)

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SUMMARY STATISTICS

Water Years 1944 - 2007	
Annual mean	233
Highest annual mean	548 1950
Lowest annual mean	10.8 1954
Highest daily mean	8,500 Jan 5, 1950
Lowest daily mean	0.00 Jul 12, 1954
Annual seven-day minimum	0.00 Jul 12, 1954
Maximum peak flow	8,800 Jan 5, 1950
Maximum peak stage	20.30 May 9, 1961
Annual runoff (cfsm)	1.02
Annual runoff (inches)	13.89
10 percent exceeds	642
50 percent exceeds	57
90 percent exceeds	5.9

