Table 2. Flood-peak gage heights, peak streamflows, and estimated recurrence intervals during the flood of June 7–9, 2008, at selected U.S. Geological Survey streamgages in Indiana. (Streamgage locations are shown in figure 4.)

[mi^2, square miles; ft, feet; ft^3/s, cubic feet per second; Q, streamflow; GH, gage height; YR, year; <, less than; >, greater than]

						Peak flow for period of record prior to June 2008			Peak flow for June 2008						
Station number	Station name	Drainage area (mi^2)	Gage vertical datum (feet NGVD 29)	Period of record (water years)[1]	Length of record of annual peaks (years)	Date	Gage height (feet above gage datum)	Streamflow (ft^3/s)	Date	Gage height (feet above gage datum)	Streamflow (ft^3/s)	Estimated recurrence-interval range for June 2008 peak streamflow (years)	Estimated[2] 100-year peak streamflow (ft^3/s)	Historic larger peaks outside period of record	Comments
03341500	Wabash River at Terre Haute, IN	12,263	445.78	1928-2008	81	5/20/1943	30.5 (0.6 mile downstream at datum 442.90)	189,000	6/8/2008	25.02	92,400	< 10	[3] 154,000	1913 peak GH=31.2 ft (at current datum), Q=245,000 ft^3/s	Moderate regulation at high flow by upstream reservoirs.
03342000	Wabash River at Riverton, IN	13,161	414.65	1939-2008	70	5/21/1943	29.36	201,000	6/10/2008	26.56	98,100	< 10	[3] 157,000	1913 peak GH=26.4 ft, Q=250,000 ft^3/s	Moderate regulation at high flow by upstream reservoirs.
03353637	Little Buck Creek near Indianapolis, IN	17	666.2	1990-2008	19	12/30/1990	[4] 9.10	2,300	6/7/2008	13.01	[8] 2,850	< 10	[3] 7,230		
03354000	White River near Centerton, IN	2,444	595.44	1931-1932,1947-2008	64	9/2/2003	20.04	65,700	6/7/2008	19.85	63,500	50-100	[3] 71,100	1913 peak GH=21.9 ft 0.4 mile downstream (at current datum), Q=90,000 ft^3/s	Minor reguation at high flow by upstream reservoirs.
03357000	White River at Spencer, IN	2,988	526.04	Q 1926-1971, GH 1988-2008	47	5/15/1933	[5] 23.20	[6] 59,400	6/8/2008	26.84	[7] 63,500	25-50	[3] 80,300	1913 peak GH=28.5 ft	
03357350	Plum Creek near Bainbridge, IN	3	828.44	1970-2008	39	9/14/1989	6.50	940	6/4/2008	7.15	[8] 1,000	25-50	[9] 1,180		
03358000	Mill Creek near Cataract, IN	245	706.4	1950-2008	59	12/30/1990	Unknown	12,200	6/7/2008	22.61	10,800	10-25	[9] 14,000		
03360500	White River at Newberry, IN	4,688	465.59	1929-2008	80	11/18/1993	[10] 25.87	105,000	6/9/2008	28.59	[8] 138,000	> 100	[3] 106,000	1913 peak GH=27.5 ft, Q=130,000 ft^3/s	Minor regulation at high flow by upstream reservoirs.
03362000	Youngs Creek near Edinburgh, IN	107	670.2	1944-2008	65	1/27/1952	13.40	10,700	6/7/2008	15.67	[8] 20,500	> 100	[3] 13,400		
03362500	Sugar Creek near Edinburgh, IN	474	646.23	1944-2008	65	5/29/1956	18.38	27,600	6/7/2008	19.23	[8] 39,900	> 100	[3] 30,000		
03363500	Flatrock River at St. Paul, IN	303	764.84	1931-2008	78	1/5/1949	[11] 10.60	18,500	6/7/2008	12.82	16,400	10-25	[3] 24,400	1913 peak GH=20.5 ft	
03363900	Flatrock River at Columbus, IN	534	610.14	1968-2008	41	1/7/2005	16.45	22,400	6/7/2008	19.83	[8] 62,500	> 100	[3] 31,300		
03364000	East Fork White River at Columbus, IN	1,707	603.12	1949-2008	60	1/7/2005	17.05	57,300	6/8/2008	18.61	[8] 68,100	25-50	[3] 79,200	1913 peak GH=17.9 ft, Q=100,000 ft^3/s	
03364500	Clifty Creek at Hartsville, IN	91.4	677.34	1949-2008	60	1/21/1959	14.29	11,300	6/7/2008	17.85	[8] 17,600	> 100	[3] 14,300	1913 peak Q=20,000 ft^3/s	
03365500	East Fork White River at Seymour, IN	2,341	550.67	1928-2008	81	1/5/1949	19.67	78,500	6/8/2008	20.91	[8] 96,400	50-100	[3] 97,800	1913 peak Q=120,000 ft^3/s	
03371500	East Fork White River near Bedford, IN	3,861	473.59	1940-2008	69	1/9/2005	37.84	92,300	6/10/2008	34.41	67,100	10-25	[3] 108,000	1913 peak GH=47.5 ft (9.8 miles downstream at 469.2 ft datum), Q=155,000 ft^3/s	
03373500	East Fork White River at Shoals, IN	4,927	442.25	1904-2008	105	3/28/1913	42.20	160,000	6/12/2008	28.11	53,500	< 10	[3] 114,000		Moderate regulation at high flow by upstream reservoirs.
03374000	White River at Petersburg, IN	11,125	400	1929-2008	80	1/22/1937	28.30	183,000	6/12/2008	26.96	135,000	10-25	[3] 186,000	1913 peak GH=29.5 ft, Q=235,000 ft^3/s	Moderate regulation at high flow by upstream reservoirs
03377500	Wabash River at Mt. Carmel, IL	28,635	369.46	1928-2008	81	5/25/1943	[12] 27.54	305,000	6/14/2008	33.24	255,000	25-50	[3] 311,000	1913 peak GH=33.0 ft (at current datum), Q=428,000 ft^3/s	Moderate regulation at high flow by upstream reservoirs.

[1] A water year is the 12-month period from October 1 through September 30 and is designated by the calendar year in which it ends.

[2] The recurrence interval is the average interval of time within which the given flood will be equaled or exceeded once (American Society of Civil Engineers, 1953, p. 1221). The reciprocal of the recurrence interval is the annual exceedance probability, which is the probability that a given event magnitude will be exceeded or equaled in any given year. The exceedance probability for a recurrence interval of 10 years is 0.10; for 25 years, 0.04; for 50 years, 0.02; and for 100 years, 0.01.

[3] Coordinated discharge from the Indiana Department of Natural Resources, Division of Water publication entitled "Coordinated Discharges of Selected Streams in Indiana," accessed August 15, 2008, at http://www.in.gov/dnr/water/8726.htm.

[4] A higher maximum gage height occurred during a separate event: GH=11.21 ft on November 14, 1993.

[5] A higher maximum gage height occurred during a separate event: GH=25.06 ft on January 7, 2005.

[6] The historical peak flow for 03357000 White River at Spencer, IN, represents only the period 1926–1971, prior to when the station was converted to a stage-only site.

[7] The June 8, 2008, peak discharge for 03357000 White River at Spencer, IN, was determined by adjusting the 1971 stage-discharge relation on the basis of streamflow measurements made in 2008. For the purposes of this report, this peak flow is considered to be outside the period of systematic discharge record, and is therefore not identified as a new peak of record. This value does exceed the existing peak of record.

[8] New streamflow peak of record.

[9] Discharge determined by methods described in Interagency Advisory Committee on Water Data, Guidelines for Determining Flood Flow Frequency, Bulletin 17B (1982).

[10] A higher maximum gage height occurred during a separate event: GH=26.89 on January 8, 2005.

[11] A higher maximum gage height occurred during a separate event: GH=12.87 on January 6, 2005.

[12] A higher maximum gage height occurred during a separate event: GH=33.95 on January 13, 2005.