

Water-Data Report 2013

**03323587 GRAHAM MCCULLOCH DITCH NEAR FORT WAYNE, IN**

Wabash River Basin

LOCATION.--Lat 41°01'17", long 85°15'20" referenced to North American Datum of 1983, in NE ¼ SW ¼ sec.26, T.31 N., R.11 E., Allen County, IN, Hydrologic Unit 05120101, (ARCOLA, IN quadrangle), on Ellison Road bridge, 0.8 mi west of I-69, 2.3 mi west of Little River, 8.8 mi southwest of Main St. at the center of Ft. Wayne.

DRAINAGE AREA.--14.4 mi<sup>2</sup>, drainage area derived from the Indiana Streamstats program.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.-- June 2012 to current year

GAGE.-- Water-stage recorder. Datum of gage is 740.43 ft above North American Vertical Datum of 1988.

REMARKS.-- Records fair due to lack of negative measurements available for the index rating at this time. The period from Nov. 6 through Feb. 13 is rated poor due to beam decay related to low water level, aquatic vegetation interference.

## 03323587 GRAHAM MCCULLOCH DITCH NEAR FORT WAYNE, IN—Continued

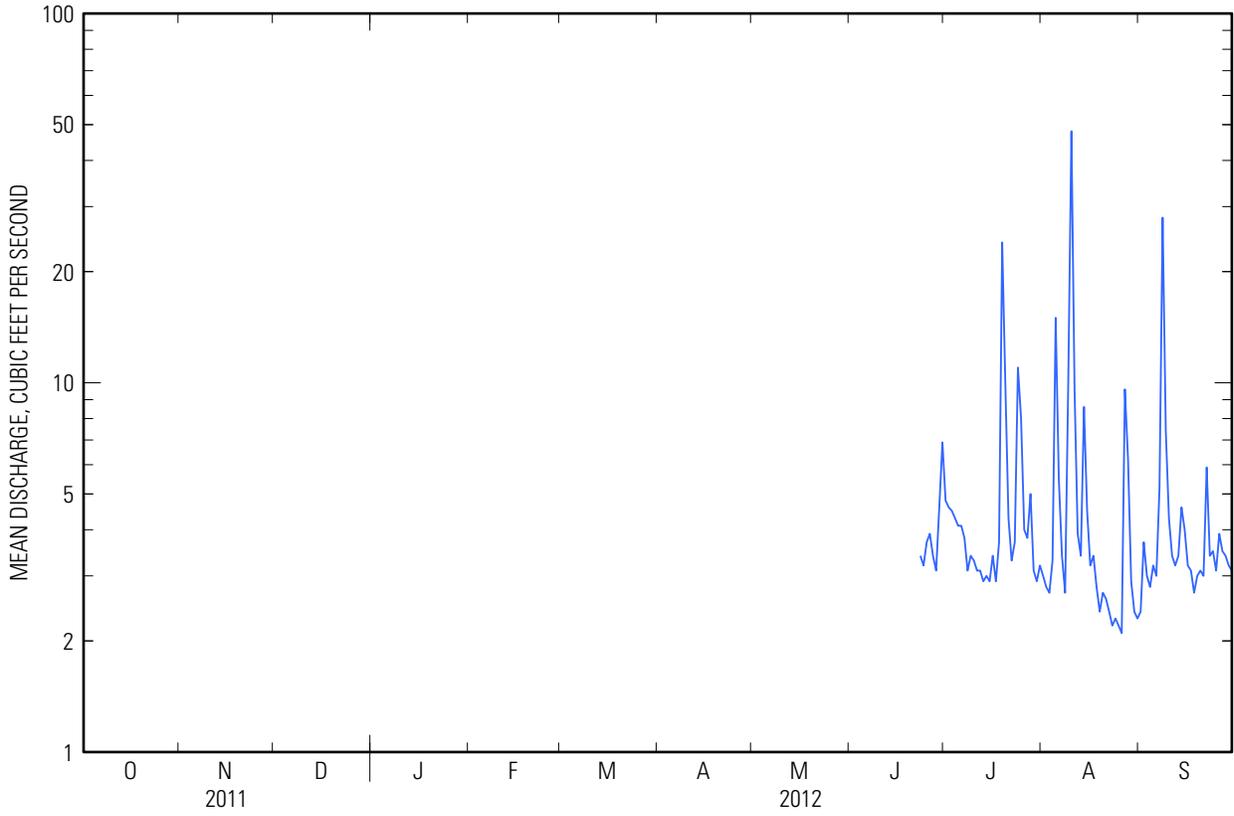
**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	4.8	3.0	2.4
2	---	---	---	---	---	---	---	---	---	4.6	2.8	3.7
3	---	---	---	---	---	---	---	---	---	4.5	2.7	3.0
4	---	---	---	---	---	---	---	---	---	4.3	3.3	2.8
5	---	---	---	---	---	---	---	---	---	4.1	15	3.2
6	---	---	---	---	---	---	---	---	---	4.1	5.5	3.0
7	---	---	---	---	---	---	---	---	---	3.8	3.4	5.2
8	---	---	---	---	---	---	---	---	---	3.1	2.7	28
9	---	---	---	---	---	---	---	---	---	3.4	10	7.4
10	---	---	---	---	---	---	---	---	---	3.3	48	4.3
11	---	---	---	---	---	---	---	---	---	3.1	9.6	3.4
12	---	---	---	---	---	---	---	---	---	3.1	3.9	3.2
13	---	---	---	---	---	---	---	---	---	2.9	3.4	3.4
14	---	---	---	---	---	---	---	---	---	3.0	8.6	4.6
15	---	---	---	---	---	---	---	---	---	2.9	4.5	4.0
16	---	---	---	---	---	---	---	---	---	3.4	3.2	3.2
17	---	---	---	---	---	---	---	---	---	2.9	3.4	3.1
18	---	---	---	---	---	---	---	---	---	3.7	2.8	2.7
19	---	---	---	---	---	---	---	---	---	24	2.4	3.0
20	---	---	---	---	---	---	---	---	---	9.9	2.7	3.1
21	---	---	---	---	---	---	---	---	---	4.3	2.6	3.0
22	---	---	---	---	---	---	---	---	---	3.3	2.4	5.9
23	---	---	---	---	---	---	---	---	---	3.4	3.7	2.2
24	---	---	---	---	---	---	---	---	---	3.2	11	2.3
25	---	---	---	---	---	---	---	---	---	3.7	8.0	2.2
26	---	---	---	---	---	---	---	---	---	3.9	4.0	2.1
27	---	---	---	---	---	---	---	---	---	3.4	3.8	9.6
28	---	---	---	---	---	---	---	---	---	3.1	5.0	6.2
29	---	---	---	---	---	---	---	---	---	4.6	3.1	2.9
30	---	---	---	---	---	---	---	---	---	6.9	2.9	2.4
31	---	---	---	---	---	---	---	---	---	3.2	2.3	---
<b>Total</b>	---	---	---	---	---	---	---	---	---	151.2	178.1	132.7
<b>Mean</b>	---	---	---	---	---	---	---	---	---	4.88	5.75	4.42
<b>Max</b>	---	---	---	---	---	---	---	---	---	24	48	28
<b>Min</b>	---	---	---	---	---	---	---	---	---	2.9	2.1	2.4
<b>Cfsm</b>	---	---	---	---	---	---	---	---	---	0.34	0.40	0.31
<b>In.</b>	---	---	---	---	---	---	---	---	---	0.39	0.46	0.34

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2012 - 2012, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	---	---	---	---	---	---	---	---	---	4.88	5.75	4.42
<b>Max</b>	---	---	---	---	---	---	---	---	---	4.88	5.75	4.42
<b>(WY)</b>	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2012)	(2012)	(2012)
<b>Min</b>	---	---	---	---	---	---	---	---	---	4.88	5.75	4.42
<b>(WY)</b>	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2012)	(2012)	(2012)

**03323587 GRAHAM MCCULLOCH DITCH NEAR FORT WAYNE, IN—Continued**



## 03323587 GRAHAM MCCULLOCH DITCH NEAR FORT WAYNE, IN—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.4	4.2	3.2	3.3	e18	35	5.3	21	350	48	7.5	3.4
2	3.6	4.2	2.8	3.8	10	22	4.9	17	172	60	39	3.3
3	4.1	3.9	3.4	3.7	8.6	16	4.7	13	131	56	172	3.5
4	3.8	3.8	3.2	3.7	8.1	12	4.4	9.8	108	31	97	3.5
5	6.6	3.7	3.8	3.3	4.9	9.3	4.8	8.3	87	19	92	3.2
6	11	3.7	2.7	2.9	4.7	12	4.3	7.8	69	19	62	3.2
7	4.4	3.6	2.8	2.7	5.0	13	4.1	7.3	47	18	42	3.2
8	3.6	3.2	3.2	3.0	7.7	13	4.4	7.3	31	23	26	3.1
9	3.4	3.4	5.4	2.9	5.8	15	4.0	7.3	21	17	20	3.4
10	2.5	3.1	5.6	4.9	5.2	56	7.9	10	26	22	16	3.4
11	3.1	3.3	3.4	40	11	98	65	7.5	21	35	13	3.5
12	3.4	8.9	3.1	20	6.6	67	63	7.4	14	18	12	6.1
13	3.0	6.1	2.8	113	5.7	28	27	7.0	110	13	10	4.6
14	3.5	4.2	2.7	61	5.7	19	15	6.6	54	12	8.4	3.5
15	5.2	3.5	2.6	20	4.6	16	12	6.7	34	11	7.6	3.4
16	3.3	3.2	2.4	13	4.1	30	73	6.8	28	9.6	6.9	4.5
17	4.8	3.2	2.8	9.7	e4.0	17	44	6.5	28	8.9	6.5	3.6
18	27	3.0	2.6	7.8	3.9	14	111	6.3	18	8.0	5.7	3.9
19	10	3.1	2.8	7.1	e4.0	15	430	6.0	15	7.2	5.6	13
20	11	3.1	21	6.1	e4.0	10	161	5.8	13	22	5.3	13
21	5.2	2.9	23	4.9	4.1	8.6	130	5.3	11	11	4.9	13
22	4.5	2.8	11	5.0	4.6	7.5	128	5.4	9.1	13	5.4	5.3
23	4.9	2.6	6.3	4.9	4.0	6.7	114	7.8	8.4	10	5.4	4.3
24	5.8	2.4	4.8	4.9	3.8	6.5	213	6.6	7.9	6.6	4.3	4.0
25	4.1	2.4	4.7	5.0	4.6	8.8	135	5.0	8.7	5.9	4.1	3.7
26	4.7	3.1	5.3	4.5	31	13	101	4.3	22	5.7	4.2	3.6
27	4.8	3.1	3.9	3.9	80	15	58	17	23	5.3	4.1	3.4
28	4.7	3.1	3.9	9.5	48	11	58	61	24	5.7	3.9	e3.8
29	4.7	3.3	3.8	9.2	---	8.2	44	28	34	5.7	3.9	e3.8
30	4.5	3.2	3.3	35	---	6.5	29	13	63	5.3	3.9	3.8
31	5.0	---	3.3	25	---	5.7	---	9.8	---	5.2	3.5	---
<b>Total</b>	173.6	107.3	155.6	443.7	311.7	614.8	2,059.8	338.6	1,588.1	537.1	702.1	141.0
<b>Mean</b>	5.60	3.58	5.02	14.3	11.1	19.8	68.7	10.9	52.9	17.3	22.6	4.70
<b>Max</b>	27	8.9	23	113	80	98	430	61	350	60	172	13
<b>Min</b>	2.5	2.4	2.4	2.7	3.8	5.7	4.0	4.3	7.9	5.2	3.5	3.1
<b>Cfsm</b>	0.39	0.25	0.35	0.99	0.77	1.38	4.77	0.76	3.68	1.20	1.57	0.33
<b>In.</b>	0.45	0.28	0.40	1.15	0.81	1.59	5.32	0.87	4.10	1.39	1.81	0.36

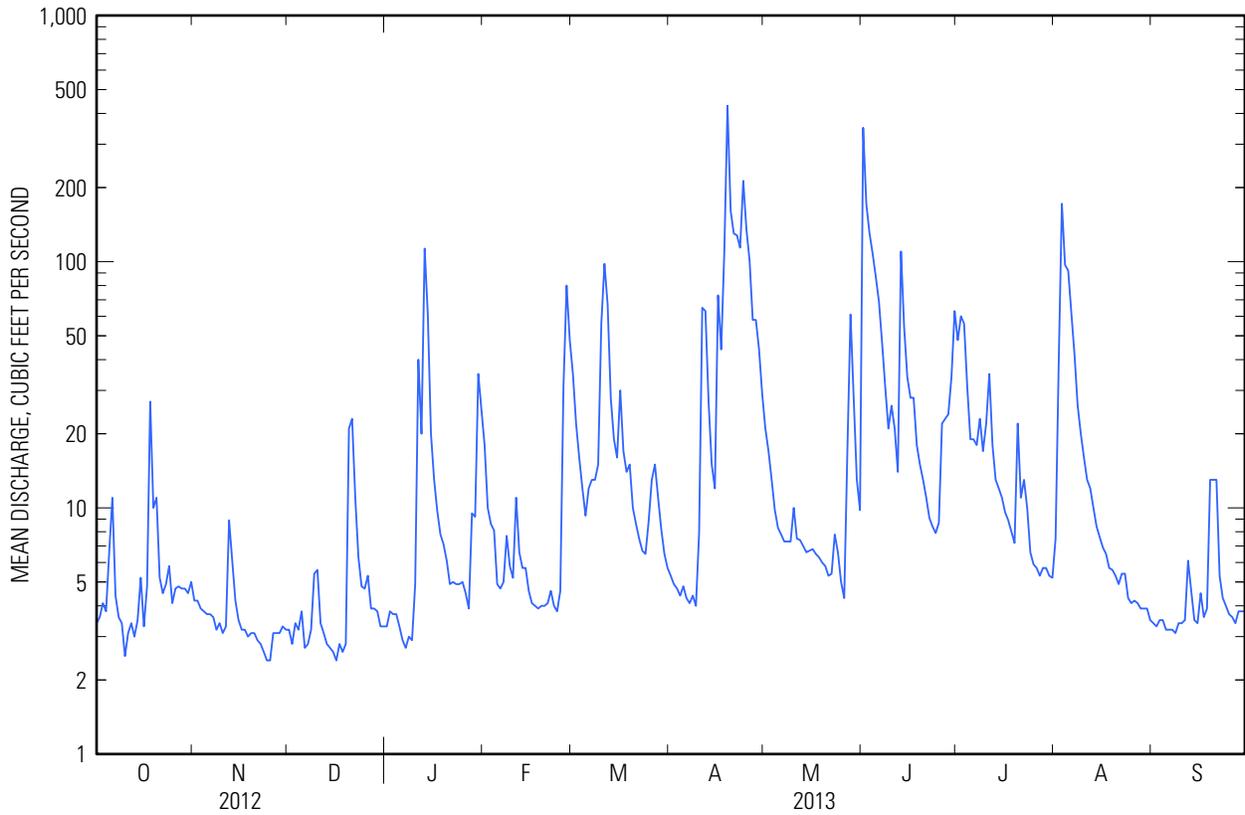
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2012 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	5.60	3.58	5.02	14.3	11.1	19.8	68.7	10.9	52.9	11.1	14.2	4.56
<b>Max</b>	5.60	3.58	5.02	14.3	11.1	19.8	68.7	10.9	52.9	17.3	22.6	4.70
<b>(WY)</b>	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)
<b>Min</b>	5.60	3.58	5.02	14.3	11.1	19.8	68.7	10.9	52.9	4.88	5.75	4.42
<b>(WY)</b>	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2012)	(2012)	(2012)

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SUMMARY STATISTICS

	Water Year 2013		Water Years 2012 - 2013	
<b>Annual total</b>	7,173.4			
<b>Annual mean</b>	19.7		19.7	
<b>Highest annual mean</b>			19.7	2013
<b>Lowest annual mean</b>			19.7	2013
<b>Highest daily mean</b>	430	Apr 19	430	Apr 19, 2013
<b>Lowest daily mean</b>	2.4	Nov 24	2.1	Aug 26, 2012
<b>Annual seven-day minimum</b>	2.7	Dec 13	2.4	Aug 20, 2012
<b>Maximum peak flow</b>	629	Apr 19	629	Apr 19, 2013
<b>Maximum peak stage</b>	14.07	Apr 19	14.07	Apr 19, 2013
<b>Annual runoff (cfsm)</b>	1.36		1.36	
<b>Annual runoff (inches)</b>	18.53		18.54	
<b>10 percent exceeds</b>	50		50	
<b>50 percent exceeds</b>	6.3		6.3	
<b>90 percent exceeds</b>	3.2		3.2	



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WATER-QUALITY RECORDS

EXTREMES FOR CURRENT YEAR.--Maximum instantaneous temperature, 32.6° C, July 18; minimum instantaneous temperature, 0.4° C on Feb. 22 and Mar. 5.

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
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22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

## 03323587 GRAHAM MCCULLOCH DITCH NEAR FORT WAYNE, IN—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	28.8	23.7	26.1	29.4	24.1	26.7	27.3	25.2	25.8
2	---	---	---	30.2	23.1	26.8	28.8	23.0	26.1	26.4	23.9	25.2
3	---	---	---	30.7	25.6	28.4	30.4	24.6	27.6	28.0	23.3	25.8
4	---	---	---	31.8	26.3	29.2	28.8	25.5	27.0	28.0	24.4	26.4
5	---	---	---	31.4	27.7	29.7	28.2	23.9	25.7	26.8	23.8	24.9
6	---	---	---	31.3	27.0	29.4	28.0	21.3	24.6	27.6	22.1	24.8
7	---	---	---	32.1	28.4	30.4	28.3	21.1	24.8	25.9	21.9	23.4
8	---	---	---	30.6	26.3	28.0	29.0	23.5	26.4	23.5	20.8	22.2
9	---	---	---	28.3	24.3	26.4	27.8	22.9	25.2	23.9	18.8	21.2
10	---	---	---	27.7	24.2	26.2	23.0	20.4	22.1	24.0	17.3	20.6
11	---	---	---	27.4	23.1	25.3	23.4	19.1	21.1	23.9	17.2	20.7
12	---	---	---	27.9	22.9	25.5	23.9	19.0	21.6	24.7	18.1	21.6
13	---	---	---	28.8	24.6	26.8	23.0	20.6	21.8	24.6	20.8	22.8
14	---	---	---	28.2	25.3	26.7	23.5	20.5	21.8	23.3	19.2	21.4
15	---	---	---	29.2	25.2	27.2	27.0	19.6	23.2	22.7	16.5	19.7
16	---	---	---	29.6	25.7	27.9	24.9	21.5	22.4	22.6	16.7	19.9
17	---	---	---	30.5	26.7	28.7	25.8	20.1	22.7	21.8	17.3	19.8
18	---	---	---	29.3	26.9	27.8	25.4	18.3	22.0	21.5	17.7	19.9
19	---	---	---	26.9	23.4	25.1	25.5	19.4	22.5	18.8	13.9	16.6
20	---	---	---	27.7	23.3	25.4	24.3	18.8	22.0	20.1	15.4	17.7
21	---	---	---	28.4	21.8	25.2	25.8	19.5	22.7	19.2	15.5	17.0
22	---	---	---	29.2	24.2	26.8	25.8	19.1	22.6	17.1	14.6	15.9
23	26.9	21.4	24.7	29.4	24.9	27.3	26.5	19.8	23.4	15.8	11.8	14.0
24	28.4	22.8	25.9	28.1	24.8	25.8	27.3	21.3	24.6	16.9	11.1	14.1
25	27.7	23.5	25.6	30.0	23.0	26.3	27.7	22.3	25.2	17.2	13.9	15.4
26	25.9	20.4	23.5	28.8	25.9	27.4	27.6	23.0	25.6	19.5	17.0	18.0
27	26.1	20.9	23.8	29.1	24.3	26.8	27.0	24.2	25.6	20.2	16.7	18.5
28	29.2	22.8	26.1	29.1	23.3	26.3	27.5	21.4	24.4	19.3	16.8	18.0
29	29.0	23.7	27.0	29.5	22.9	26.2	26.8	21.1	24.1	18.8	15.0	17.2
30	28.1	21.9	24.9	29.3	24.2	26.9	26.4	20.3	23.6	18.3	15.0	17.1
31	---	---	---	29.3	23.7	26.8	27.8	20.8	24.6	---	---	---
Month	---	---	---	32.1	21.8	27.1	30.4	18.3	24.0	28.0	11.1	20.2

## 03323587 GRAHAM MCCULLOCH DITCH NEAR FORT WAYNE, IN—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
<b>1</b>	17.7	14.4	15.8	10.7	6.9	8.8	11.1	5.8	8.1	4.6	1.6	3.3
<b>2</b>	17.0	15.4	16.1	10.6	7.5	9.1	13.1	10.9	11.8	1.6	0.6	1.0
<b>3</b>	17.7	16.5	17.0	9.8	7.0	8.4	14.8	12.6	13.6	1.4	0.5	0.9
<b>4</b>	20.5	15.0	17.5	9.0	6.6	7.7	14.4	10.6	12.9	1.5	0.5	1.0
<b>5</b>	20.2	13.8	16.6	8.6	4.5	6.6	10.6	6.5	8.1	2.5	0.5	1.3
<b>6</b>	14.7	11.4	13.1	9.3	4.6	6.8	7.1	3.7	5.3	3.0	2.1	2.6
<b>7</b>	13.0	11.0	12.0	10.0	7.2	8.8	9.3	6.8	7.8	4.4	1.4	2.8
<b>8</b>	14.2	8.8	11.5	9.4	5.8	7.7	9.9	8.2	9.3	5.4	1.0	3.0
<b>9</b>	14.5	9.3	12.1	12.0	6.0	8.4	8.6	6.3	7.2	6.6	3.2	4.6
<b>10</b>	14.2	11.1	12.3	14.8	11.4	12.8	8.6	6.0	7.1	5.6	2.6	4.2
<b>11</b>	13.6	8.4	10.8	14.4	11.8	13.4	6.0	4.1	5.2	6.0	4.0	5.1
<b>12</b>	13.7	11.3	12.9	14.1	8.0	11.4	5.6	2.1	3.8	9.5	5.0	7.0
<b>13</b>	13.5	10.7	11.7	8.9	6.3	7.5	5.5	2.0	3.8	8.7	5.6	7.3
<b>14</b>	17.9	13.5	16.2	8.2	4.0	6.1	6.8	2.9	4.7	5.6	2.4	3.8
<b>15</b>	16.6	12.5	14.3	8.5	4.0	6.2	8.3	5.4	6.4	3.9	0.9	2.3
<b>16</b>	15.6	9.8	12.3	9.4	3.8	6.4	10.7	8.3	9.8	5.2	1.7	3.0
<b>17</b>	17.1	13.4	15.2	9.2	3.8	6.5	9.6	8.0	8.4	6.5	2.2	3.7
<b>18</b>	16.6	13.5	14.9	9.3	4.8	7.0	8.2	6.8	7.5	4.8	0.8	2.5
<b>19</b>	13.5	12.5	12.8	10.4	5.1	7.6	9.1	6.8	7.8	7.4	2.0	4.2
<b>20</b>	14.5	11.4	12.9	10.8	8.9	9.8	8.8	6.3	7.3	5.3	0.6	2.4
<b>21</b>	16.7	9.9	13.0	11.4	7.6	9.6	6.3	4.3	4.9	1.6	0.5	0.8
<b>22</b>	16.6	12.0	14.3	11.6	6.9	9.3	4.8	2.9	3.9	1.2	0.5	0.7
<b>23</b>	17.5	15.5	16.4	11.4	3.4	7.4	5.0	1.2	3.0	0.8	0.5	0.6
<b>24</b>	21.3	16.0	18.2	3.4	2.3	2.7	4.4	2.2	3.1	0.9	0.5	0.6
<b>25</b>	20.8	15.5	18.2	5.8	2.5	4.0	5.3	3.4	4.2	0.6	0.5	0.6
<b>26</b>	19.0	12.5	15.0	6.7	3.7	5.2	3.5	0.7	1.7	0.8	0.6	0.7
<b>27</b>	13.1	8.9	11.2	7.2	4.7	5.9	4.7	1.4	2.9	1.5	0.7	1.0
<b>28</b>	11.8	8.3	9.7	5.5	2.7	4.2	4.5	2.4	3.5	4.0	1.4	2.8
<b>29</b>	9.2	6.6	7.8	6.9	2.4	4.5	4.2	2.3	3.2	9.1	4.0	6.9
<b>30</b>	7.3	5.5	6.3	9.6	5.1	7.0	3.3	1.1	2.2	9.7	5.0	7.5
<b>31</b>	9.0	7.1	8.0	---	---	---	2.8	0.8	1.8	5.0	0.5	2.4
<b>Month</b>	21.3	5.5	13.4	14.8	2.3	7.6	14.8	0.7	6.1	9.7	0.5	2.9

## 03323587 GRAHAM MCCULLOCH DITCH NEAR FORT WAYNE, IN—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
<b>1</b>	0.9	0.5	0.6	4.4	2.6	3.3	13.6	5.9	9.2	23.7	16.6	20.1
<b>2</b>	0.6	0.5	0.6	5.0	1.9	3.2	13.4	3.6	7.9	24.2	18.3	21.0
<b>3</b>	0.9	0.6	0.7	6.1	1.6	3.5	15.8	3.2	8.8	23.7	18.6	21.1
<b>4</b>	2.1	0.5	1.1	7.6	0.9	3.8	17.6	4.6	10.4	23.4	17.2	20.1
<b>5</b>	4.1	0.7	2.3	4.5	0.4	3.1	18.6	6.5	11.8	21.4	16.4	18.9
<b>6</b>	7.3	2.3	4.2	4.3	0.5	1.9	14.3	7.5	10.9	21.3	15.9	18.5
<b>7</b>	8.5	2.6	5.1	8.0	2.8	4.9	20.1	10.1	14.3	22.3	17.2	19.7
<b>8</b>	6.1	2.7	4.4	10.5	2.3	5.8	17.3	10.0	13.6	22.9	17.1	20.1
<b>9</b>	6.7	0.8	3.2	8.6	2.9	5.4	20.9	12.3	16.3	23.1	17.2	20.0
<b>10</b>	6.5	2.6	4.1	9.2	4.9	6.2	18.5	12.5	15.9	20.8	18.1	19.3
<b>11</b>	6.9	2.8	4.7	7.2	5.3	6.3	12.5	9.2	10.2	18.1	13.5	15.8
<b>12</b>	8.2	2.3	4.5	6.1	4.1	4.9	9.2	7.8	8.3	16.4	11.3	13.6
<b>13</b>	9.3	3.0	5.5	4.8	2.5	3.6	9.1	7.1	7.9	19.8	11.7	15.4
<b>14</b>	6.6	3.8	5.1	8.8	1.2	4.4	14.0	7.0	9.9	22.9	14.1	18.3
<b>15</b>	5.9	2.9	4.1	8.4	3.6	5.9	15.3	9.6	12.6	24.3	18.5	21.3
<b>16</b>	3.2	0.7	2.2	6.9	4.9	5.8	13.4	10.9	11.9	26.0	19.3	22.4
<b>17</b>	4.0	0.5	1.8	7.1	3.7	4.9	12.3	10.5	11.5	23.6	18.6	21.2
<b>18</b>	9.1	0.6	4.3	4.8	2.6	3.6	15.5	10.5	13.2	23.3	17.4	20.3
<b>19</b>	7.8	0.5	3.1	6.2	0.6	3.2	13.9	9.6	11.6	26.3	18.9	22.5
<b>20</b>	1.1	0.5	0.8	5.6	1.0	3.0	10.3	8.3	9.3	26.1	21.3	23.8
<b>21</b>	3.1	0.7	1.6	7.2	0.6	3.4	11.6	7.8	9.5	26.3	21.7	24.0
<b>22</b>	3.0	0.4	1.3	11.4	1.2	5.5	13.8	8.8	11.1	24.4	21.6	22.9
<b>23</b>	3.7	1.6	2.6	13.6	3.0	7.5	13.3	11.2	12.4	22.3	17.3	19.6
<b>24</b>	7.8	1.3	4.1	7.2	2.0	4.6	13.3	10.0	11.1	21.7	14.7	18.1
<b>25</b>	9.8	1.3	5.1	7.7	1.2	3.7	11.5	8.7	10.0	20.5	15.5	18.1
<b>26</b>	5.5	1.9	2.8	10.5	3.5	6.4	15.0	9.0	11.8	20.9	15.5	18.4
<b>27</b>	2.7	1.5	2.1	7.9	4.3	6.1	17.3	11.0	14.2	20.2	15.4	16.7
<b>28</b>	3.9	2.1	3.0	13.8	3.0	7.6	15.6	13.9	14.4	19.8	16.1	17.8
<b>29</b>	---	---	---	15.3	4.8	9.3	17.9	13.5	15.4	24.8	19.2	21.7
<b>30</b>	---	---	---	14.6	5.0	9.6	21.1	14.5	17.7	26.4	20.7	23.6
<b>31</b>	---	---	---	16.4	8.1	11.2	---	---	---	24.5	21.0	22.6
<b>Month</b>	9.8	0.4	3.0	16.4	0.4	5.2	21.1	3.2	11.8	26.4	11.3	19.9

## 03323587 GRAHAM MCCULLOCH DITCH NEAR FORT WAYNE, IN—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
<b>1</b>	21.5	19.1	19.9	21.5	20.1	21.0	25.6	20.3	22.5	26.2	23.7	24.4
<b>2</b>	20.6	19.6	20.1	20.9	19.0	19.9	22.3	19.2	20.6	26.4	22.8	24.5
<b>3</b>	21.5	18.2	19.7	24.6	20.4	22.3	22.7	20.7	21.6	24.4	20.1	22.7
<b>4</b>	22.5	18.7	20.5	25.3	22.1	23.7	23.6	21.3	22.4	25.1	19.5	22.6
<b>5</b>	23.2	19.0	21.0	27.0	22.2	24.4	23.4	21.4	22.5	25.0	20.7	23.0
<b>6</b>	22.6	18.6	20.5	25.1	23.2	24.0	24.0	21.5	22.7	23.5	19.1	21.8
<b>7</b>	23.1	19.1	21.0	26.5	22.2	24.4	26.3	22.4	24.2	25.2	20.6	22.9
<b>8</b>	23.7	18.6	21.1	25.0	23.1	24.1	25.3	23.7	24.4	25.2	22.4	23.4
<b>9</b>	24.0	20.2	22.1	27.9	23.5	25.7	27.1	23.0	24.7	25.8	20.7	22.9
<b>10</b>	23.9	20.7	22.3	26.3	21.8	24.7	27.1	23.2	25.1	28.1	24.4	26.4
<b>11</b>	26.4	21.1	23.7	26.5	22.3	24.2	27.5	22.8	25.0	28.1	25.6	27.2
<b>12</b>	26.4	22.0	24.4	27.3	21.6	24.4	---	---	---	27.6	23.8	25.7
<b>13</b>	24.7	20.8	22.2	27.7	21.8	24.7	27.2	22.4	24.6	23.8	19.4	20.6
<b>14</b>	25.4	20.8	22.9	29.2	23.2	26.2	24.9	19.4	22.0	19.5	15.7	18.1
<b>15</b>	23.8	21.3	22.3	30.6	25.3	27.8	25.7	18.8	22.0	19.5	16.6	17.9
<b>16</b>	24.0	20.8	22.3	32.1	25.8	28.8	25.2	19.9	22.4	19.6	17.4	18.6
<b>17</b>	26.9	22.1	24.3	32.3	26.3	29.1	26.0	19.6	22.6	19.6	15.8	17.8
<b>18</b>	26.2	22.7	24.4	32.6	26.6	29.5	26.9	20.3	23.5	22.3	17.6	20.1
<b>19</b>	26.2	20.8	23.5	32.5	26.6	29.4	27.9	20.8	24.2	22.4	21.0	21.5
<b>20</b>	26.1	21.0	23.6	28.8	24.7	26.7	28.6	21.5	25.0	23.4	21.0	22.1
<b>21</b>	27.2	22.2	24.7	30.6	24.4	27.3	27.0	23.0	24.9	23.0	18.9	21.0
<b>22</b>	27.8	23.8	25.7	27.4	24.3	25.3	25.5	22.9	23.8	22.2	16.4	19.1
<b>23</b>	28.9	23.5	26.0	29.3	23.1	25.7	28.7	21.7	24.8	21.0	14.5	17.7
<b>24</b>	29.1	24.1	26.5	27.4	20.2	23.5	27.7	21.0	24.5	20.9	14.4	17.7
<b>25</b>	28.6	23.9	26.3	26.6	19.8	23.1	28.1	21.0	24.7	21.2	15.4	18.4
<b>26</b>	26.8	22.4	24.4	25.7	20.0	22.9	27.7	22.2	25.1	22.1	15.9	19.2
<b>27</b>	27.5	23.5	25.3	26.4	21.6	23.6	29.0	23.5	26.2	21.4	16.1	19.2
<b>28</b>	26.6	23.1	25.0	22.4	18.6	20.6	28.7	24.7	26.9	21.5	16.8	19.5
<b>29</b>	25.1	19.7	22.8	23.3	17.3	20.2	29.2	24.5	27.0	21.5	18.2	19.3
<b>30</b>	21.7	20.3	21.1	25.4	18.4	21.9	29.5	23.8	26.9	20.6	17.1	18.8
<b>31</b>	---	---	---	23.2	21.4	22.0	28.7	25.2	26.5	---	---	---
<b>Month</b>	29.1	18.2	23.0	32.6	17.3	24.6	---	---	---	28.1	14.4	21.1