

Water-Data Report 2013

04182755 JUNK DITCH AT FORT WAYNE, IN

Lake Erie Basin

LOCATION.-- Lat 41°03'37", long 85°11'07" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec.9, T.30 N., R.12 E., Allen County, IN, Hydrologic Unit 04100004, on downstream side of bridge over ditch at Filmore St., 20 mi southeast of Columbia City, 23 mi northeast of Huntington.

DRAINAGE AREA.-- 5.3 mi²

SURFACE-WATER RECORDS

PERIOD OF RECORD.-- June 2012 to current year.

GAGE.-- Water-stage recorder and Acoustic Velocity Meter. Datum of gage is 744.69 ft above North American Vertical Datum of 1988.

REMARKS.-- Records poor. Positive discharges indicate flow towards the east; negative discharges indicate flow to the west.

04182755 JUNK DITCH AT FORT WAYNE, IN—Continued

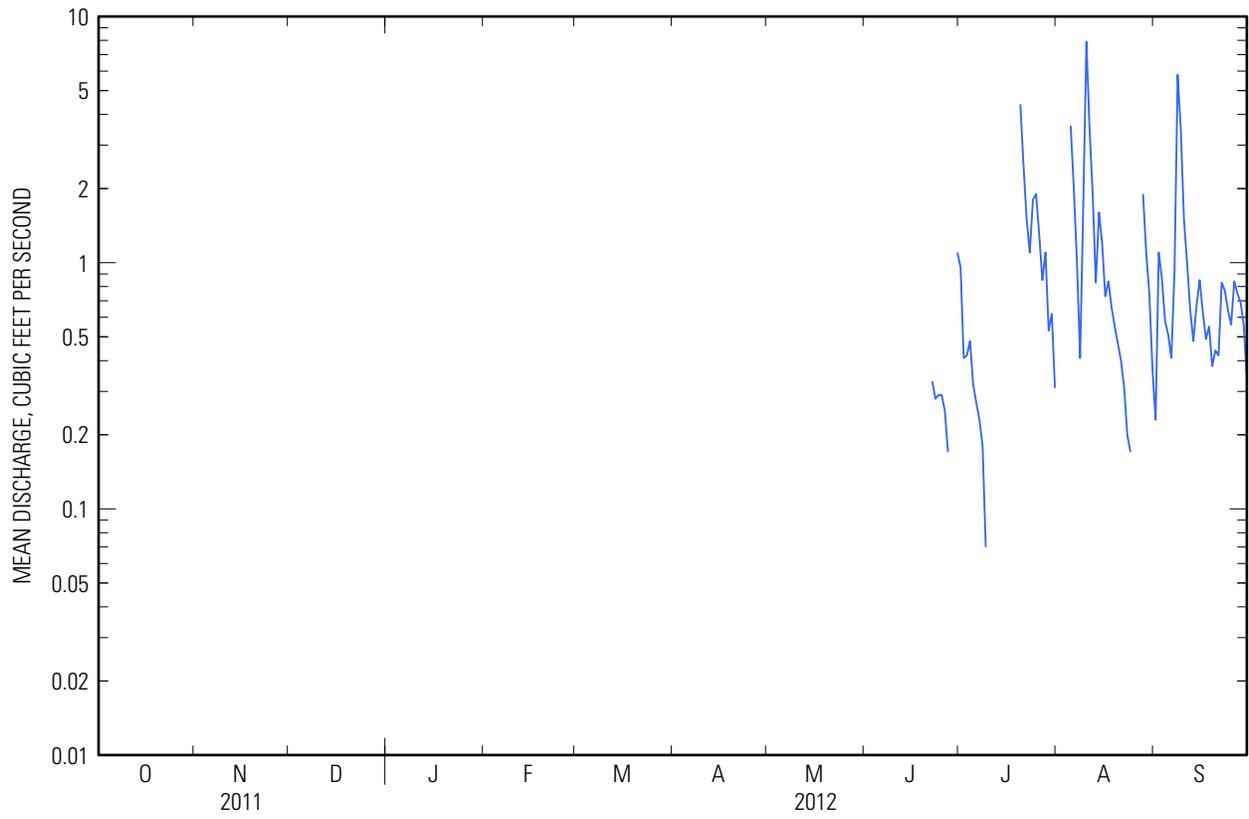
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	0.96	---	0.23
2	---	---	---	---	---	---	---	---	---	0.41	---	1.1
3	---	---	---	---	---	---	---	---	---	0.42	---	0.86
4	---	---	---	---	---	---	---	---	---	0.48	---	0.58
5	---	---	---	---	---	---	---	---	---	0.32	3.6	0.51
6	---	---	---	---	---	---	---	---	---	0.27	2.0	0.41
7	---	---	---	---	---	---	---	---	---	0.23	1.0	0.92
8	---	---	---	---	---	---	---	---	---	0.18	0.41	5.8
9	---	---	---	---	---	---	---	---	---	0.07	1.7	3.5
10	---	---	---	---	---	---	---	---	---	---	7.9	1.5
11	---	---	---	---	---	---	---	---	---	---	3.5	1.0
12	---	---	---	---	---	---	---	---	---	---	1.9	0.64
13	---	---	---	---	---	---	---	---	---	---	0.83	0.48
14	---	---	---	---	---	---	---	---	---	---	1.6	0.67
15	---	---	---	---	---	---	---	---	---	---	1.2	0.85
16	---	---	---	---	---	---	---	---	---	---	0.73	0.63
17	---	---	---	---	---	---	---	---	---	---	0.84	0.49
18	---	---	---	---	---	---	---	---	---	---	0.66	0.55
19	---	---	---	---	---	---	---	---	---	---	0.55	0.38
20	---	---	---	---	---	---	---	---	---	4.4	0.47	0.44
21	---	---	---	---	---	---	---	---	---	2.5	0.40	0.42
22	---	---	---	---	---	---	---	---	0.33	1.5	0.31	0.83
23	---	---	---	---	---	---	---	---	0.28	1.1	0.20	0.77
24	---	---	---	---	---	---	---	---	0.29	1.8	0.17	0.64
25	---	---	---	---	---	---	---	---	0.29	1.9	---	0.56
26	---	---	---	---	---	---	---	---	0.25	1.3	---	0.84
27	---	---	---	---	---	---	---	---	0.17	0.85	---	0.75
28	---	---	---	---	---	---	---	---	---	1.1	1.9	0.69
29	---	---	---	---	---	---	---	---	---	0.53	1.1	0.56
30	---	---	---	---	---	---	---	---	1.1	0.62	0.75	0.34
31	---	---	---	---	---	---	---	---	---	0.31	0.37	---
Total	---	---	---	---	---	---	---	---	---	---	---	27.94
Mean	---	---	---	---	---	---	---	---	---	---	---	0.93
Max	---	---	---	---	---	---	---	---	---	---	---	5.8
Min	---	---	---	---	---	---	---	---	---	---	---	0.23
Cfsm	---	---	---	---	---	---	---	---	---	---	---	0.18
In.	---	---	---	---	---	---	---	---	---	---	---	0.20

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
Mean	---	---	---	---	---	---	---	---	---	---	---	0.93
Max	---	---	---	---	---	---	---	---	---	---	---	0.93
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2012)
Min	---	---	---	---	---	---	---	---	---	---	---	0.93
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2012)

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04182755 JUNK DITCH AT 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	0.34	0.54	0.33	0.85	6.1	16	2.5	5.2	53	27	0.61	0.20
2	0.38	0.49	0.41	0.52	3.5	9.7	1.9	2.8	77	30	1.4	0.21
3	0.57	0.45	0.37	0.52	2.5	7.5	1.8	2.0	67	30	52	0.10
4	0.50	0.41	0.54	0.66	2.3	5.7	1.8	1.7	54	24	37	0.15
5	1.2	0.47	0.46	0.39	2.2	4.8	1.8	1.1	44	18	24	0.19
6	3.0	0.41	0.44	0.57	2.4	4.5	1.9	0.86	35	14	16	0.11
7	1.4	0.40	0.40	0.59	2.3	4.4	1.5	1.0	24	9.0	10	0.21
8	0.69	0.40	0.40	0.56	3.4	4.8	1.6	0.88	14	7.6	8.0	0.33
9	0.44	0.40	0.86	0.71	3.0	5.8	1.3	0.83	8.6	5.6	5.2	0.13
10	0.50	0.43	1.4	1.3	2.9	15	1.6	1.3	6.5	5.2	3.7	-0.01
11	0.34	0.55	0.85	8.2	2.6	26	19	0.98	4.4	5.2	2.6	0.27
12	0.35	1.4	0.94	7.3	2.4	25	1.2	0.99	3.5	3.6	1.4	-0.79
13	0.34	1.4	0.65	13	3.0	19	8.1	0.98	26	2.5	0.80	-0.47
14	0.59	0.87	0.48	-17	2.1	9.6	20	0.92	20	1.8	0.34	-0.19
15	1.1	0.65	0.51	-24	2.3	7.9	16	0.75	11	0.99	0.45	-0.31
16	0.78	0.49	0.53	-2.5	1.9	11	22	0.58	8.4	0.64	0.50	-0.36
17	1.0	0.43	0.46	39	1.3	7.9	21	0.67	8.5	0.46	0.29	-0.06
18	5.9	0.43	0.61	44	1.4	6.4	13	0.78	6.6	0.26	-0.07	0.23
19	3.9	0.43	0.51	27	1.2	5.3	-82	0.58	3.9	0.20	-0.35	-1.3
20	3.3	0.41	3.3	12	1.4	4.2	51	0.65	2.2	3.8	-0.20	-2.1
21	1.8	0.38	6.2	6.4	1.6	4.0	75	0.57	1.6	2.7	0.09	-1.5
22	1.2	0.37	4.0	4.3	1.5	3.7	71	0.65	1.6	2.9	-0.12	-0.80
23	0.78	0.43	2.5	2.6	1.5	3.4	56	1.2	1.1	0.94	0.16	-0.24
24	1.0	0.38	1.7	2.4	1.9	3.1	55	1.2	1.0	0.41	0.11	0.10
25	0.75	0.34	1.2	1.9	1.4	3.5	49	0.98	0.84	0.39	0.17	0.06
26	0.58	0.35	1.1	1.7	6.8	3.7	45	0.86	5.1	0.30	-0.18	0.20
27	0.52	0.35	1.0	1.4	e15	5.1	31	3.3	11	0.38	0.00	0.28
28	0.45	0.36	1.0	2.5	20	4.4	20	15	10	0.34	0.19	0.16
29	0.40	0.31	1.6	3.9	---	3.6	15	7.4	8.6	0.55	0.13	0.28
30	0.47	0.31	1.3	11	---	2.9	9.5	3.7	20	0.55	0.08	0.15
31	0.56	---	0.90	11	---	2.7	---	2.1	---	0.41	-0.02	---
Total	35.13	15.04	36.95	162.77	99.9	240.6	533.5	62.51	538.44	199.72	164.28	-4.77
Mean	1.13	0.50	1.19	5.25	3.57	7.76	17.8	2.02	17.9	6.44	5.30	-0.16
Max	5.9	1.4	6.2	44	20	26	75	15	77	30	52	0.33
Min	0.34	0.31	0.33	-24	1.2	2.7	-82	0.57	0.84	0.20	-0.35	-2.1
Cfsm	0.21	0.09	0.22	0.99	0.67	1.46	3.36	0.38	3.39	1.22	1.00	-0.03
In.	0.25	0.11	0.26	1.14	0.70	1.69	3.74	0.44	3.78	1.40	1.15	-0.03

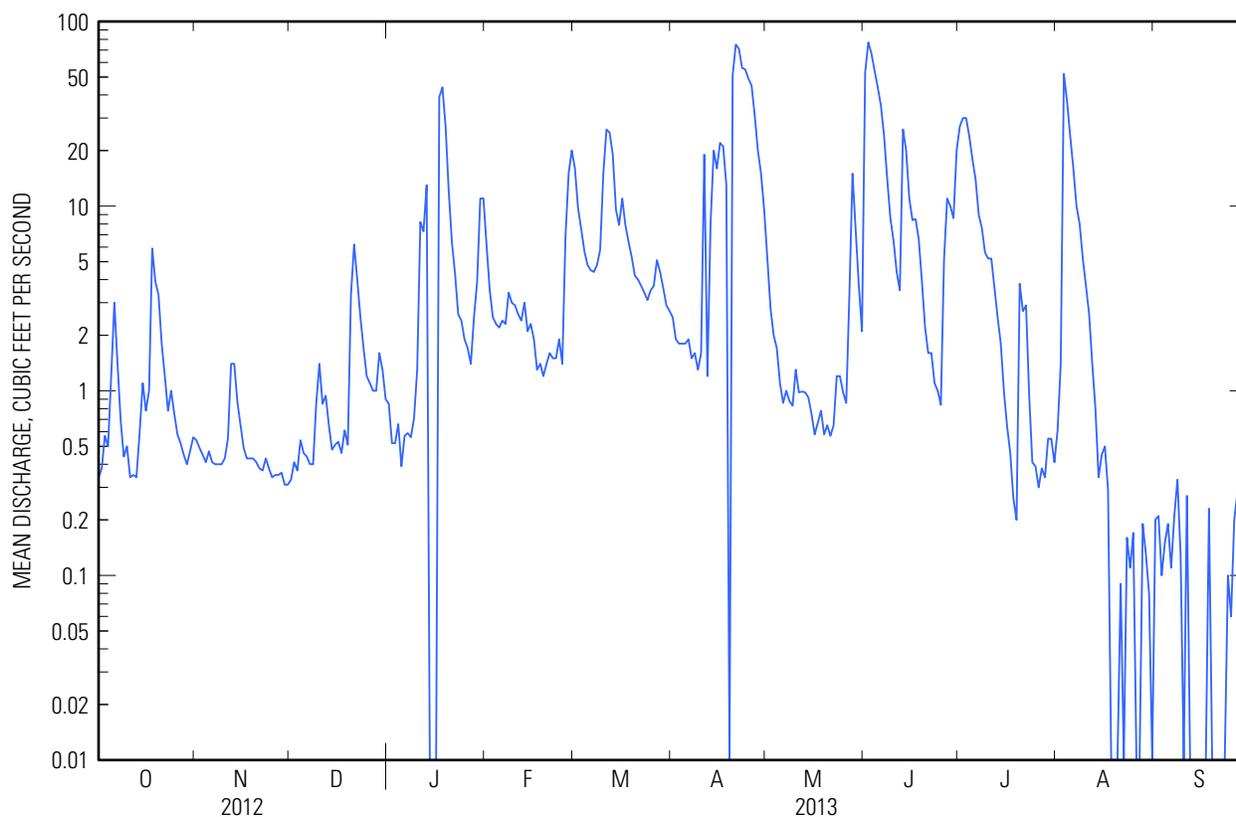
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2012 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.13	0.50	1.19	5.25	3.57	7.76	17.8	2.02	17.9	6.44	5.30	0.39
Max	1.13	0.50	1.19	5.25	3.57	7.76	17.8	2.02	17.9	6.44	5.30	0.93
(WY)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2012)
Min	1.13	0.50	1.19	5.25	3.57	7.76	17.8	2.02	17.9	6.44	5.30	-0.16
(WY)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)

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SUMMARY STATISTICS

	Water Year 2013		Water Years 2012 - 2013	
Annual total	2,084.07			
Annual mean	5.71		5.71	
Highest annual mean			5.71	2013
Lowest annual mean			5.71	2013
Highest daily mean	77	Jun 2	77	Jun 2, 2013
Lowest daily mean	-82	Apr 19	-82	Apr 19, 2013
Annual seven-day minimum	-2.0	Jan 10	-2.0	Jan 10, 2013
Maximum peak flow	85	Jun 2	85	Jun 2, 2013
Maximum peak stage	8.49	Apr 19	8.49	Apr 19, 2013
Annual runoff (cfsm)	1.08		1.08	
Annual runoff (inches)	14.63		14.64	
10 percent exceeds	19		19	
50 percent exceeds	1.3		1.3	
90 percent exceeds	0.17		0.17	



04182755 JUNK DITCH AT FORT WAYNE, IN—Continued

WATER-QUALITY RECORDS

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		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	6.3	4.4	5.4
15	---	---	---	---	---	---	---	---	---	5.2	4.5	4.8
16	---	---	---	---	---	---	---	---	---	4.5	3.7	4.1
17	---	---	---	---	---	---	---	---	---	3.8	2.7	3.4
18	---	---	---	---	---	---	---	---	---	3.0	1.8	2.4
19	---	---	---	---	---	---	---	---	---	4.3	2.0	3.1
20	---	---	---	---	---	---	---	---	---	4.1	1.7	2.4
21	---	---	---	---	---	---	---	---	---	1.8	0.9	1.4
22	---	---	---	---	---	---	---	---	---	2.3	0.7	1.5
23	---	---	---	---	---	---	---	---	---	2.6	1.5	1.9
24	---	---	---	---	---	---	---	---	---	2.4	1.6	1.9
25	---	---	---	---	---	---	---	---	---	2.0	1.6	1.8
26	---	---	---	---	---	---	---	---	---	2.0	1.5	1.7
27	---	---	---	---	---	---	---	---	---	2.2	1.5	1.8
28	---	---	---	---	---	---	---	---	---	1.8	1.6	1.7
29	---	---	---	---	---	---	---	---	---	3.6	1.5	2.3
30	---	---	---	---	---	---	---	---	---	6.5	3.6	5.5
31	---	---	---	---	---	---	---	---	---	5.6	0.8	2.6
Month	---	---	---	---	---	---	---	---	---	---	---	---

04182755 JUNK DITCH AT 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		
1	2.1	0.7	1.4	3.4	2.3	2.9	11.9	8.0	9.6	23.2	16.6	19.9
2	1.8	1.4	1.6	3.5	2.0	2.8	11.4	6.1	8.4	23.1	18.4	20.8
3	2.0	1.3	1.6	4.6	2.2	3.4	12.7	5.6	8.9	22.9	18.7	20.9
4	1.8	1.5	1.7	4.8	2.2	3.6	14.9	6.7	10.4	22.2	17.4	19.9
5	2.6	1.5	1.9	4.2	1.7	3.0	16.1	8.3	11.7	20.8	17.1	19.2
6	3.0	1.6	2.3	2.3	1.5	1.9	13.4	9.3	11.3	22.3	16.8	19.4
7	4.0	1.9	2.9	4.4	1.6	2.9	17.9	10.4	13.6	21.9	18.5	20.2
8	3.2	2.3	2.7	7.5	3.2	5.0	16.6	11.5	13.9	23.4	18.3	20.9
9	4.3	2.0	3.0	6.5	4.2	5.3	19.5	13.0	16.0	23.2	18.1	20.6
10	3.3	2.7	3.0	8.0	5.3	6.6	17.8	12.4	16.0	21.8	18.3	19.7
11	3.3	1.6	2.5	7.5	6.1	6.8	12.5	9.2	10.2	18.3	13.2	16.2
12	4.9	1.5	2.8	6.1	4.1	5.0	9.3	7.1	8.3	16.6	11.3	13.6
13	6.5	3.1	4.3	4.1	2.6	3.5	8.3	7.0	7.7	20.0	11.6	15.5
14	4.9	3.1	4.1	6.0	1.7	3.8	10.6	7.2	8.6	23.8	14.6	18.7
15	4.8	2.0	3.1	7.1	3.9	5.6	13.2	10.0	11.5	26.1	18.7	22.0
16	3.5	2.4	3.0	6.8	5.1	5.9	13.1	11.0	12.2	28.0	19.7	23.4
17	4.5	2.2	3.1	5.4	3.8	4.6	12.2	10.9	11.6	24.7	19.2	22.1
18	6.3	2.9	4.1	4.4	2.7	3.3	15.0	10.8	13.0	24.1	19.1	21.2
19	4.3	0.7	2.0	4.3	1.1	2.7	14.0	9.1	12.1	28.0	18.9	23.4
20	2.8	0.9	1.8	3.8	1.3	2.6	11.1	8.5	9.8	29.6	22.8	25.7
21	3.9	2.3	2.9	4.8	1.9	3.2	11.7	8.2	9.9	29.3	22.6	25.4
22	2.9	2.3	2.6	7.3	3.0	4.9	14.7	9.4	12.0	26.3	22.3	24.0
23	3.2	2.0	2.5	9.8	4.4	6.9	14.6	12.1	13.5	22.5	18.3	20.6
24	5.6	2.1	3.6	7.3	3.0	5.5	14.1	10.4	11.8	25.7	15.7	20.4
25	6.5	2.8	4.5	5.1	1.9	3.3	11.8	9.0	10.4	23.0	16.0	19.6
26	4.4	1.9	3.0	7.5	3.4	5.4	14.7	9.4	12.0	24.2	16.0	20.0
27	---	---	---	6.6	4.7	5.8	16.8	11.8	14.3	20.6	16.2	17.3
28	2.9	1.7	2.3	9.9	3.9	6.8	16.4	14.2	14.8	20.3	16.9	18.6
29	---	---	---	11.6	6.6	9.0	17.5	13.7	15.3	25.3	19.4	22.2
30	---	---	---	11.4	7.3	9.6	21.0	14.6	17.6	27.6	22.4	24.7
31	---	---	---	13.0	9.1	10.5	---	---	---	25.0	19.4	23.8
Month	---	---	---	13.0	1.1	4.9	21.0	5.6	11.9	29.6	11.3	20.6

04182755 JUNK DITCH AT 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		
1	21.5	19.1	20.4	22.1	21.0	21.6	28.3	21.4	24.4	27.3	24.3	25.7
2	21.6	20.5	21.1	21.4	19.9	20.7	23.6	20.1	21.6	32.1	23.6	26.9
3	21.8	18.8	20.3	23.8	20.9	22.3	23.4	21.0	22.1	30.1	20.9	25.2
4	22.1	19.3	20.8	25.2	22.9	23.9	23.8	21.1	22.4	30.7	19.7	25.0
5	22.4	19.5	21.1	26.6	23.6	24.9	23.3	21.5	22.4	30.9	21.2	25.5
6	21.9	19.5	20.9	25.9	24.2	24.9	23.9	21.9	22.9	29.6	19.2	24.3
7	22.6	20.2	21.3	26.5	23.4	25.0	26.9	22.5	24.5	29.1	20.7	25.1
8	23.6	19.5	21.6	25.9	23.5	25.1	25.3	23.8	24.6	26.7	23.1	24.8
9	25.0	20.9	22.6	28.3	24.3	26.4	28.7	23.0	25.5	30.7	21.0	25.3
10	25.2	21.2	23.1	27.3	25.1	26.2	27.7	23.1	25.4	33.4	25.0	29.0
11	27.9	21.9	24.7	26.4	22.9	24.8	28.0	22.9	25.6	32.6	25.5	28.9
12	27.7	23.3	25.4	26.6	22.3	24.6	28.9	23.2	26.0	30.5	22.4	26.4
13	24.4	21.4	22.6	26.2	23.1	24.8	28.7	23.0	25.8	24.5	18.5	21.5
14	24.7	21.0	22.7	28.2	24.1	26.2	27.2	20.8	23.8	26.4	14.5	20.1
15	23.4	21.7	22.6	32.5	26.0	29.0	28.6	19.5	23.6	20.9	15.3	18.4
16	24.8	21.1	22.9	33.5	27.6	30.4	27.4	20.6	23.9	23.4	17.4	19.5
17	27.1	22.2	24.6	34.3	28.1	31.1	28.8	20.4	24.3	25.6	14.7	19.8
18	25.8	22.9	24.2	33.7	28.7	31.2	29.5	21.0	25.2	27.8	17.4	22.1
19	26.1	22.1	24.1	33.7	28.7	31.0	30.8	21.7	26.0	23.4	20.4	22.1
20	27.9	22.1	25.0	31.0	25.4	28.7	31.6	22.8	27.1	25.0	22.0	23.1
21	28.7	23.0	25.8	30.4	26.3	28.3	29.5	24.3	26.5	25.8	18.9	22.3
22	29.6	25.1	27.0	28.8	25.1	26.9	26.3	24.0	25.1	26.3	17.4	20.9
23	30.5	25.1	27.6	31.3	25.0	27.6	32.8	22.7	27.1	24.4	14.6	19.1
24	31.8	25.4	28.0	29.4	22.7	25.8	31.3	21.7	26.4	25.9	14.2	19.5
25	31.2	25.6	28.2	27.5	21.8	24.8	31.4	22.3	26.8	26.3	15.5	20.4
26	28.2	22.7	26.0	27.2	21.8	24.5	30.8	23.5	27.1	28.0	16.1	21.5
27	28.3	24.0	25.9	28.0	23.0	25.0	32.7	24.9	28.3	27.8	16.1	21.5
28	28.1	24.4	26.2	24.2	19.7	22.1	32.6	25.4	28.9	27.5	17.1	22.1
29	25.9	23.7	24.8	23.9	18.3	21.4	33.5	25.5	29.3	22.0	18.3	20.0
30	24.0	21.2	22.5	27.2	19.2	23.2	33.8	24.7	29.2	25.2	17.2	20.4
31	---	---	---	23.9	22.6	23.3	30.5	26.2	28.2	---	---	---
Month	31.8	18.8	23.8	34.3	18.3	25.7	33.8	19.5	25.5	33.4	14.2	22.9