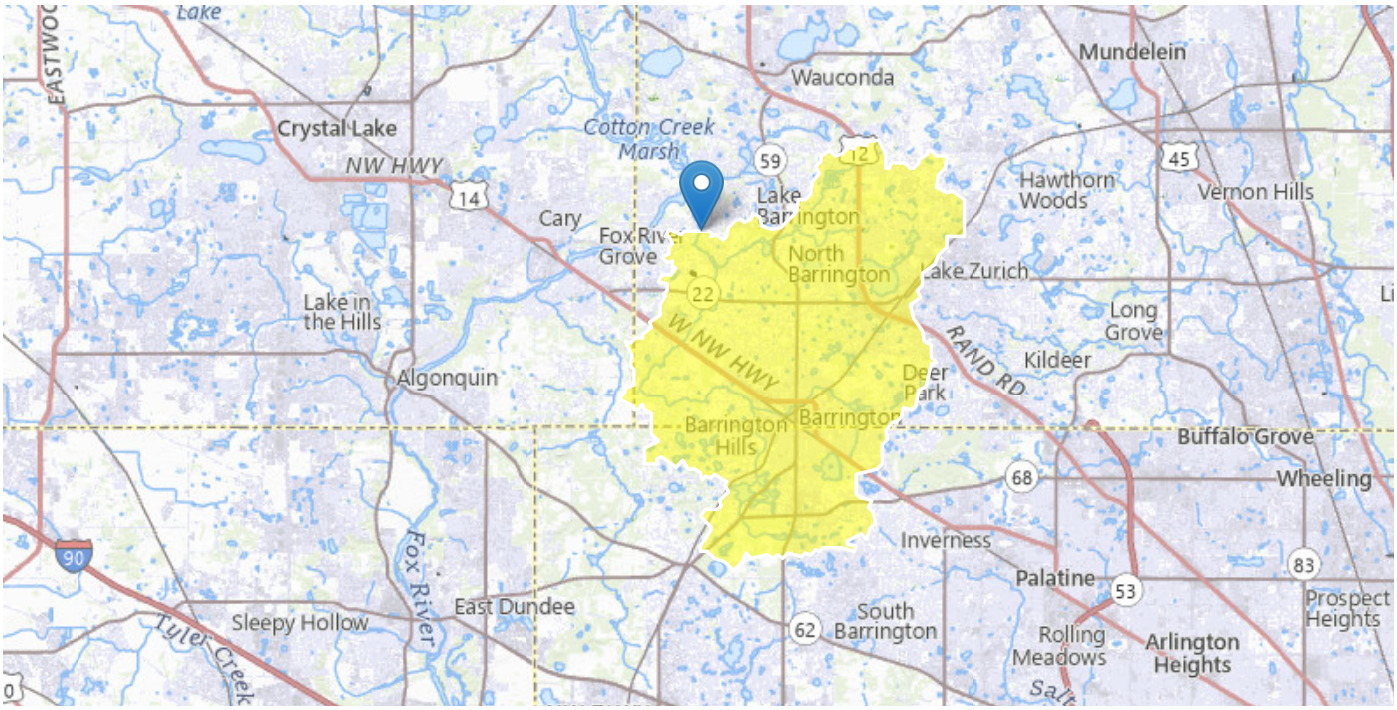
Flint Creek Lake County IL

Region ID: IL
Clicked Point (Latitude, Longitude): 42.21116, -88.17352
Time: 2026-04-17 09:48:29 -0700



At USGS gage #####

StreamStats Update

Starting with version 4.30.0, the StreamStats application uses services that were redeveloped with open-source software components. Users may observe minor variations in computed results when compared to those from previous versions. These differences are expected and do not reflect errors in the underlying data or analytical methods. Users are advised to consider these potential variations when interpreting or comparing results generated across different versions of StreamStats. Please email streamstats@usgs.gov with any questions or concerns. A full list of changes can be found at **https://www.usgs.gov/streamstats/news/streamstats-data-updates-open-source-code-release (https://www.usgs.gov/streamstats/news/streamstats-data-updates-open-source-code-release)** .

Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRAININD	Drainage index from STATSGO soil properties computed as in SIR 2014-5177	8.32	dimensionless

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	35.7	square miles
FLC16DVLMH	Fraction of drainage area that is in low to high developed land-use classes 22-24 from NLCD 2016	0.37	decimal fraction
FSSURGDC78	Fraction of land area that is in very poorly drained and unknown likely water drainage classes 7 and 8 from SSURGO	0.1646	decimal fraction
RELRELF	Basin relief divided by basin perimeter	3.65	feet per mi

Peak-Flow Statistics

Peak-Flow Statistics Parameters [IL Peakflow Region 2 ICT-23-014]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	35.7	square miles	0.07031	1352
FLC16DVLMH	Frac_Lo_Med_Hi_Developed_from_NLCD2016	0.37	decimal fraction	0.002045	0.9692
FSSURGDC78	Fraction_SSURGO_Drainage_Classes_7_and_8	0.1646	decimal fraction	0	0.2506
RELRELF	Relative Relief	3.65	feet per mi	0.8122	35.97

Peak-Flow Statistics Flow Report [IL Peakflow Region 2 ICT-23-014]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	PIL	PIU	ASEp
50-percent AEP flood	537	ft^3/s	256	1130	46.9
20-percent AEP flood	765	ft^3/s	360	1630	47.9
10-percent AEP flood	927	ft^3/s	424	2030	49.9
4-percent AEP flood	1150	ft^3/s	506	2620	52.8
2-percent AEP flood	1310	ft^3/s	555	3090	55.6
1-percent AEP flood	1490	ft^3/s	611	3630	58
0.5-percent AEP flood	1670	ft^3/s	662	4210	60.5
0.2-percent AEP flood	1910	ft^3/s	730	5000	63.4

Peak-Flow Statistics Citations

Over, T.M., Marti, M.K., O'Shea, P.S., Sharpe, J.B.2023, Estimating peak-flow quantiles for selected annual exceedance probabilities in Illinois (Report No. FHWA-ICT-23-014). Illinois Center for Transportation. (https://doi.org/10.36501/0197-9191/23-019)

Flow-Duration Statistics

Flow-Duration Statistics Parameters [IL Flow duration Reg 1 DA only 2014 5177]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	35.7	square miles	12.1	2549

Flow-Duration Statistics Parameters [IL Flow duration Reg 1 Multivar 2014 5177]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRAININD	Drainage_Index	8.32	dimensionless	3.36	15.9
DRNAREA	Drainage Area	35.7	square miles	12.1	2549

Flow-Duration Statistics Flow Report [IL Flow duration Reg 1 DA only 2014 5177]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	SE
99_9_Percent_Duration_DA_Only_Regression	0.104	ft^3/s	4460
99_8_Percent_Duration_DA_Only_Regression	0.119	ft^3/s	4800
99_5_Percent_Duration_DA_Only_Regression	0.232	ft^3/s	5140
99_Percent_Duration_DA_Only_Regression	0.421	ft^3/s	5030
98_Percent_Duration_DA_Only_Regression	0.902	ft^3/s	637
95_Percent_Duration_DA_Only_Regression	1.65	ft^3/s	247
90_Percent_Duration_DA_Only_Regression	2.6	ft^3/s	160
80_Percent_Duration_DA_Only_Regression	4.46	ft^3/s	101
75_Percent_Duration_DA_Only_Regression	5.48	ft^3/s	83
70_Percent_Duration_DA_Only_Regression	6.6	ft^3/s	63.5
60_Percent_Duration_DA_Only_Regression	9.15	ft^3/s	40.9
50_Percent_Duration_DA_Only_Regression	12.3	ft^3/s	28.5
40_Percent_Duration_DA_Only_Regression	16.7	ft^3/s	21.7
30_Percent_Duration_DA_Only_Regression	22.9	ft^3/s	20.7
25_Percent_Duration_DA_Only_Regression	26.9	ft^3/s	21.3
20_Percent_Duration_DA_Only_Regression	32	ft^3/s	22.9
10_Percent_Duration_DA_Only_Regression	56.1	ft^3/s	26

Statistic	Value	Unit	SE
5_Percent_Duration_DA_Only_Regression	89.4	ft^3/s	26.3
2_Percent_Duration_DA_Only_Regression	162	ft^3/s	26
1_Percent_Duration_DA_Only_Regression	246	ft^3/s	27.6
0_5_Percent_Duration_DA_Only_Regression	352	ft^3/s	30.6
0_2_Percent_Duration_DA_Only_Regression	543	ft^3/s	36.9
0_1_Percent_Duration_DA_Only_Regression	714	ft^3/s	40.8

Flow-Duration Statistics Flow Report [IL Flow duration Reg 1 Multivar 2014 5177]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	SE
99.9 Percent Duration	0.0458	ft^3/s	390
99.8 Percent Duration	0.0522	ft^3/s	430
99.5 Percent Duration	0.0837	ft^3/s	470
99 Percent Duration	0.162	ft^3/s	400
98 Percent Duration	0.474	ft^3/s	150
95 Percent Duration	1.04	ft^3/s	93
90 Percent Duration	1.8	ft^3/s	72
80 Percent Duration	3.41	ft^3/s	52
75 Percent Duration	4.36	ft^3/s	46
70 Percent Duration	5.54	ft^3/s	39
60 Percent Duration	8.28	ft^3/s	30
50 Percent Duration	11.7	ft^3/s	24
40 Percent Duration	16.4	ft^3/s	21
30 Percent Duration	23.1	ft^3/s	20
25 Percent Duration	27.5	ft^3/s	20
20 Percent Duration	33.8	ft^3/s	21
10 Percent Duration	57.9	ft^3/s	21.7
5 Percent Duration	92.9	ft^3/s	19.8
2 Percent Duration	168	ft^3/s	18.8
1 Percent Duration	256	ft^3/s	21.2
0.5 Percent Duration	365	ft^3/s	25.4
0.2 Percent Duration	562	ft^3/s	33.3
0.1 Percent Duration	736	ft^3/s	38.2

Flow-Duration Statistics Flow Report [Area-Averaged]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	SE
99_9_Percent_Duration_DA_Only_Regression	0.104	ft^3/s	4460
99_8_Percent_Duration_DA_Only_Regression	0.119	ft^3/s	4800
99_5_Percent_Duration_DA_Only_Regression	0.232	ft^3/s	5140
99_Percent_Duration_DA_Only_Regression	0.421	ft^3/s	5030
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95_Percent_Duration_DA_Only_Regression	1.65	ft^3/s	247
90_Percent_Duration_DA_Only_Regression	2.6	ft^3/s	160
80_Percent_Duration_DA_Only_Regression	4.46	ft^3/s	101
75_Percent_Duration_DA_Only_Regression	5.48	ft^3/s	83
70_Percent_Duration_DA_Only_Regression	6.6	ft^3/s	63.5
60_Percent_Duration_DA_Only_Regression	9.15	ft^3/s	40.9
50_Percent_Duration_DA_Only_Regression	12.3	ft^3/s	28.5
40_Percent_Duration_DA_Only_Regression	16.7	ft^3/s	21.7
30_Percent_Duration_DA_Only_Regression	22.9	ft^3/s	20.7
25_Percent_Duration_DA_Only_Regression	26.9	ft^3/s	21.3
20_Percent_Duration_DA_Only_Regression	32	ft^3/s	22.9
10_Percent_Duration_DA_Only_Regression	56.1	ft^3/s	26
5_Percent_Duration_DA_Only_Regression	89.4	ft^3/s	26.3
2_Percent_Duration_DA_Only_Regression	162	ft^3/s	26
1_Percent_Duration_DA_Only_Regression	246	ft^3/s	27.6
0_5_Percent_Duration_DA_Only_Regression	352	ft^3/s	30.6
0_2_Percent_Duration_DA_Only_Regression	543	ft^3/s	36.9
0_1_Percent_Duration_DA_Only_Regression	714	ft^3/s	40.8
99.9 Percent Duration	0.0458	ft^3/s	390
99.8 Percent Duration	0.0522	ft^3/s	430
99.5 Percent Duration	0.0837	ft^3/s	470
99 Percent Duration	0.162	ft^3/s	400
98 Percent Duration	0.474	ft^3/s	150
95 Percent Duration	1.04	ft^3/s	93
90 Percent Duration	1.8	ft^3/s	72
80 Percent Duration	3.41	ft^3/s	52

Statistic	Value	Unit	SE
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70 Percent Duration	5.54	ft^3/s	39
60 Percent Duration	8.28	ft^3/s	30
50 Percent Duration	11.7	ft^3/s	24
40 Percent Duration	16.4	ft^3/s	21
30 Percent Duration	23.1	ft^3/s	20
25 Percent Duration	27.5	ft^3/s	20
20 Percent Duration	33.8	ft^3/s	21
10 Percent Duration	57.9	ft^3/s	21.7
5 Percent Duration	92.9	ft^3/s	19.8
2 Percent Duration	168	ft^3/s	18.8
1 Percent Duration	256	ft^3/s	21.2
0.5 Percent Duration	365	ft^3/s	25.4
0.2 Percent Duration	562	ft^3/s	33.3
0.1 Percent Duration	736	ft^3/s	38.2

Flow-Duration Statistics Citations

Over, T.M., Riley, J.D., Sharpe, J.B., and Arvin, Donald,2014, Estimation of regional flow-duration curves for Indiana and Illinois: U.S. Geological Survey Scientific Investigations Report 2014–5177, 24 p. and additional downloads, Tables 2–5, 8–13, and 18 (http://dx.doi.org/10.3133/sir20145177)

Bankfull Statistics

Bankfull Statistics Parameters [Interior Plains D Bieger 2015]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	35.7	square miles	0.19305	59927.7393

Bankfull Statistics Parameters [Central Lowland P Bieger 2015]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	35.7	square miles	0.200772	59927.66594

Bankfull Statistics Parameters [USA Bieger 2015]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	35.7	square miles	0.07722	59927.7393

Bankfull Statistics Flow Report [Interior Plains D Bieger 2015]

Statistic	Value	Unit
Bieger_D_channel_width	41.1	ft
Bieger_D_channel_depth	2.96	ft
Bieger_D_channel_cross_sectional_area	117	ft^2

Bankfull Statistics Flow Report [Central Lowland P Bieger 2015]

Statistic	Value	Unit
Bieger_P_channel_width	45.6	ft
Bieger_P_channel_depth	3.4	ft
Bieger_P_channel_cross_sectional_area	108	ft^2

Bankfull Statistics Flow Report [USA Bieger 2015]

Statistic	Value	Unit
Bieger_USA_channel_width	43.6	ft
Bieger_USA_channel_depth	2.58	ft
Bieger_USA_channel_cross_sectional_area	118	ft^2

Bankfull Statistics Flow Report [Area-Averaged]

Statistic	Value	Unit
Bieger_D_channel_width	41.1	ft
Bieger_D_channel_depth	2.96	ft
Bieger_D_channel_cross_sectional_area	117	ft^2
Bieger_P_channel_width	45.6	ft
Bieger_P_channel_depth	3.4	ft
Bieger_P_channel_cross_sectional_area	108	ft^2
Bieger_USA_channel_width	43.6	ft
Bieger_USA_channel_depth	2.58	ft
Bieger_USA_channel_cross_sectional_area	118	ft^2

Bankfull Statistics Citations

Bieger, Katrin; Rathjens, Hendrik; Allen, Peter M.; and Arnold, Jeffrey G.,2015, Development and Evaluation of Bankfull Hydraulic Geometry Relationships for the Physiographic Regions of the United States, Publications from USDA-ARS / UNL Faculty, 17p. (https://digitalcommons.unl.edu/usdaarsfacpub/1515?utm_source=digitalcommons.unl.edu%2Fusdaarsfacpub%2F1515&utm_medium=PDF&utm_campaign=PDFCove

Maximum Probable Flood Statistics

Maximum Probable Flood Statistics Parameters [Crippen Bue Region 6]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	35.7	square miles	0.1	10000

Maximum Probable Flood Statistics Flow Report [Crippen Bue Region 6]

Statistic	Value	Unit
Maximum Flood Crippen Bue Regional	89900	ft^3/s

Maximum Probable Flood Statistics Citations

Crippen, J.R. and Bue, Conrad D.1977, Maximum Floodflows in the Conterminous United States, Geological Survey Water-Supply Paper 1887, 52p. (https://pubs.usgs.gov/wsp/1887/report.pdf)

Application Version: 4.32.0
SSHydro Services Version: 1.2.1
SSDelineate Services Version: 1.1.0
NSS Services Version: 2.2.1
GageStats Services Version: 1.2.1
Pourpoint Services Version: 1.2.0
Batch Processor Version: 1.6.1