

## Expected St. Marys River Flow Schedule (cms)

April 2019

Time/Date	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue
Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
0:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
1:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
2:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
3:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
4:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
5:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
6:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
7:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
8:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
9:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
10:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
11:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
12:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
13:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
14:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
15:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
16:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
17:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
18:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
19:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
20:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
21:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
22:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
23:00	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420
Avg Daily Flow (cms)	2415	2415	2415	2415	2415	2415	2330	2330	2330	2330	2410	2410	2410	2410	2330	2330	2330	2410	2410	2410	2410	2360	2360	2360	2360	2360	2460	2460	2420	2420



Notes

- (1) cms = cubic meters per second; tcfs = thousand cubic feet per second
- (2) Time is in 24-hour format
- (3) Flows may fluctuate due to natural weather conditions (such as wind and barometric pressure changes)
- (4) Flows may vary +/- 10 to 20 cms (400 to 700 cfs) due to weather-influenced level fluctuations on hydropower operations
- (5) Hydropower outages do occur and expected outages are captured in the flow schedule. In the event of a significant unexpected outage, a revised flow schedule will be issued
- (6) Ponding will not occur, as the hydro plants will be operating at their maximum capacities this month
- (7) Maximum water level fluctuation this month is expected to be: +/-1 cm (0.4 in)
- (8) Total Superior April outflow: 2,410 cms (85.1 tcfs)

St. Marys River Expected Flow Schedule: <http://www.lre.usace.army.mil/Missions/GreatLakesInformation/NewsandInformation.aspx>  
 USACE Water Levels: <http://www.lre.usace.army.mil/Missions/GreatLakesInformation/GreatLakesWaterLevels.aspx>  
 NOAA Water Levels: <http://tidesandcurrents.noaa.gov/stations.html?type=Water+Levels>  
 NOAA Great Lakes Online: <http://www.gllakesonline.nos.noaa.gov/>



## Expected St. Marys River Flow Schedule (tcfs)

April 2019

Time/Date	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	
Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
0:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
1:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
2:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
3:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
4:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
5:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
6:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
7:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
8:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
9:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
10:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
11:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
12:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
13:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
14:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
15:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
16:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
17:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
18:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
19:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
20:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
21:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
22:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
23:00	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	85	83	83	83	83	83	87	87	85	85
Avg Daily Flow (tcfs)	85	85	85	85	85	85	82	82	82	82	82	85	85	85	82	82	82	85	85	85	85	83	83	83	83	83	87	87	85	85	



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