

Expected St. Marys River Flow Schedule (cms)

November 2023

Time/Date	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	Wed	Thu
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	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
1:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
2:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
3:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
4:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
5:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
6:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
7:00	2370	2370	2370	2370	2815	1981	1904	1904	1904	1904	1904	2349	1904	1904	1904	1904	1904	1904	2349	1904	1904	1904	2349	2349	2349	2349	2349	2349	2349	
8:00	2370	2370	2370	2370	2815	1981	1904	1904	1904	1904	1904	2349	1904	1904	1904	1904	1904	1904	2349	1904	1904	1904	2349	2349	2349	2349	2349	2349	2349	
9:00	2370	2370	2370	2370	2815	1981	1904	1904	1904	1904	1904	2349	1904	1904	1904	1904	1904	1904	2349	1904	1904	1904	2349	2349	2349	2349	2349	2349	2349	
10:00	2370	2370	2370	2370	2815	1981	1904	1904	1904	1904	1904	2349	1904	1904	1904	1904	1904	1904	2349	1904	1904	1904	2349	2349	2349	2349	2349	2349	2349	
11:00	2370	2370	2370	2370	2815	1981	1904	1904	1904	1904	1904	2349	1904	1904	1904	1904	1904	1904	2349	1904	1904	1904	2349	2349	2349	2349	2349	2349	2349	
12:00	2370	2370	2370	2370	2815	1981	1904	1904	1904	1904	1904	2349	1904	1904	1904	1904	1904	1904	2349	1904	1904	1904	2349	2349	2349	2349	2349	2349	2349	
13:00	2370	2370	2370	2370	2815	1981	1904	1904	1904	1904	1904	2349	1904	1904	1904	1904	1904	1904	2349	1904	1904	1904	2349	2349	2349	2349	2349	2349	2349	
14:00	2370	2370	2370	2370	2815	1981	1904	1904	1904	1904	1904	2349	1904	1904	1904	1904	1904	1904	2349	1904	1904	1904	2349	2349	2349	2349	2349	2349	2349	
15:00	2370	2370	2370	2370	2815	1981	1904	1904	1904	1904	1904	2349	1904	1904	1904	1904	1904	1904	2349	1904	1904	1904	2349	2349	2349	2349	2349	2349	2349	
16:00	2370	2370	2370	2370	2815	1981	1904	1904	1904	1904	1904	2349	1904	1904	1904	1904	1904	1904	2349	1904	1904	1904	2349	2349	2349	2349	2349	2349	2349	
17:00	2370	2370	2370	2370	2815	1981	1904	1904	1904	1904	1904	2349	1904	1904	1904	1904	1904	1904	2349	1904	1904	1904	2349	2349	2349	2349	2349	2349	2349	
18:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
19:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
20:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
21:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
22:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
23:00	2815	2815	2815	2815	2815	2426	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	2349	
Avg Daily Flow (cms)	2611	2611	2611	2611	2815	2222	2145	2145	2145	2145	2145	2349	2145	2145	2145	2145	2145	2145	2349	2145	2145	2145	2349	2349	2349	2349	2349	2349	2349	



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: +15 cm (6 in)**
- (8) **Total Superior November outflow: 2,300 cms (81.2 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)

November 2023

Time/Date	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	Wed	Thu
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	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
1:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
2:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
3:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
4:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
5:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
6:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
7:00	84	84	84	84	99	70	67	67	67	67	67	83	67	67	67	67	67	83	67	67	67	83	83	83	83	83	83	83	83	
8:00	84	84	84	84	99	70	67	67	67	67	67	83	67	67	67	67	67	83	67	67	67	83	83	83	83	83	83	83	83	
9:00	84	84	84	84	99	70	67	67	67	67	67	83	67	67	67	67	67	83	67	67	67	83	83	83	83	83	83	83	83	
10:00	84	84	84	84	99	70	67	67	67	67	67	83	67	67	67	67	67	83	67	67	67	83	83	83	83	83	83	83	83	
11:00	84	84	84	84	99	70	67	67	67	67	67	83	67	67	67	67	67	83	67	67	67	83	83	83	83	83	83	83	83	
12:00	84	84	84	84	99	70	67	67	67	67	67	83	67	67	67	67	67	83	67	67	67	83	83	83	83	83	83	83	83	
13:00	84	84	84	84	99	70	67	67	67	67	67	83	67	67	67	67	67	83	67	67	67	83	83	83	83	83	83	83	83	
14:00	84	84	84	84	99	70	67	67	67	67	67	83	67	67	67	67	67	83	67	67	67	83	83	83	83	83	83	83	83	
15:00	84	84	84	84	99	70	67	67	67	67	67	83	67	67	67	67	67	83	67	67	67	83	83	83	83	83	83	83	83	
16:00	84	84	84	84	99	70	67	67	67	67	67	83	67	67	67	67	67	83	67	67	67	83	83	83	83	83	83	83	83	
17:00	84	84	84	84	99	70	67	67	67	67	67	83	67	67	67	67	67	83	67	67	67	83	83	83	83	83	83	83	83	
18:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
19:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
20:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
21:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
22:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
23:00	99	99	99	99	99	86	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
Avg Daily Flow (tcfs)	92	92	92	92	99	78	76	76	76	76	76	83	76	76	76	76	76	83	76	76	76	83	83	83	83	83	83	83	83	



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- (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: 15 cm (6 in)**
- (8) **Total Superior November outflow: 2,300 cms (81.2 tcfs)**

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