

Otsego Lake ice phenology data, 1980-2023

Compiled by K. Yokota with data from:

[Sharma, S. et al. 2022. Sci Data 9: 318. doi:10.1038/s41597-022-01391-6](https://doi.org/10.1038/s41597-022-01391-6)

(Holly Waterfield from SUNY Oneonta BFS co-authored this data paper)

and BFS staff (2022-2023 updates)

Winter starting in	Ice-on ("lake entirely closed by ice")	Ice-off ("the last ice left the lake")
1980	12/25/1980	4/13/1981
1981	12/25/1981	4/20/1982
1982	1/20/1983	4/1/1983
1983	1/11/1984	4/14/1984
1984	1/30/1985	4/5/1985
1985	1/7/1986	3/30/1986
1986	1/23/1987	4/4/1987
1987	1/7/1988	4/1/1988
1988	1/5/1989	4/1/1989
1989	12/22/1989	3/21/1990
1990	1/22/1991	3/28/1991
1991	1/25/1992	4/17/1992
1992	1/19/1993	3/14/1993
1993	1/6/1994	4/20/1994
1994	2/7/1995	3/30/1995
1995	1/4/1996	4/15/1996
1996	1/19/1997	4/6/1997
1997	2/16/1998	3/31/1998
1998	2/24/1999	4/6/1999
1999	1/19/2000	3/25/2000
2000	12/29/2000	4/21/2001
2001	No complete ice cover	No complete ice cover
2002	1/14/2003	4/17/2003
2003	1/10/2004	4/13/2004
2004	1/21/2005	4/11/2005
2005 (1st ice cover)	2/8/2006	2/17/2006
2005 (2nd ice cover)	2/26/2006	4/1/2006
2006	2/12/2007	4/23/2007
2007	1/27/2008	4/9/2008
2008	1/10/2009	4/4/2009
2009	1/23/2010	3/29/2010
2010	1/14/2011	4/12/2011
2011	No complete ice cover	No complete ice cover
2012	1/24/2013	4/13/2013
2013	1/22/2014	4/14/2014
2014	1/14/2015	4/18/2015
2015	2/14/2016	3/12/2016
2016	No complete ice cover	No complete ice cover
2017	1/1/2018	4/24/2018
2018	1/16/2019	4/13/2019
2019	2/9/2020	3/20/2020
2020	2/10/2021	3/26/2021
2021	1/21/2022	3/29/2022
2022	2/4/2023	2/20/2023
2023	No complete ice cover	No complete ice cover

Note: lake froze quickly during a -20 F night/day, after which air temps rose and rains eroded portions of lake ice; open water was visible by 2/9. Ice cover was completely lost on 2/20/2023. Days later large portions of the lake re-froze, but complete ice cover was not attained. Ice cover from 5 mile point south was intact until 30 March 2023.