



LAKE OBSERVATIONS BY CITIZEN SCIENTISTS & SATELLITES



What Are Target Monitoring Dates?

These target dates are the list of dates that we would like to have lake height measurements for each of our lakes in Alberta.

Why Were These Dates Chosen?

These are dates when the Surface Water and Ocean Topography (SWOT) satellite will be passing overhead and taking measurements of our lakes. We will use these measurements, along with lake height measurements from citizen scientists, to monitor how the volume of water in the lake is changing.

Also, if all project lakes are measured on the same days, we can better understand if these lake volumes are changing in the same ways, or independently of each other.

What Time Should I Measure Lake Height?

Any time of day is good for measuring lake height, as long as you can clearly see the lake gauge, and you report the time when you make your measurement.

Can I Report Lake Height on Other Days?

Absolutely! The more lake height measurements we have, the better. Each measurement will help us better understand these lakes, so we can't have too many measurements.

However, measurements made on our target dates will provide the added benefit of ensuring lake height data can be combined with satellite imagery. So if only 1 measurement can be made in a given week, it would be ideal if it is made on the target date.

For questions or problems, please email lakelevel@unc.edu

Target Monitoring Dates – AB

5 Apr 2024	16 Apr 2024
26 Apr 2024	7 May 2024
17 May 2024	28 May 2024
7 Jun 2024	18 Jun 2024
28 Jun 2024	9 Jul 2024
19 Jul 2024	30 Jul 2024
9 Aug 2024	20 Aug 2024
29 Aug 2024	9 Sep 2024
19 Sep 2024	30 Sep 2024
10 Oct 2024	21 Oct 2024
31 Oct 2024	11 Nov 2024
21 Nov 2024	2 Dec 2024
12 Dec 2024	23 Dec 2024
2 Jan 2025	13 Jan 2025
22 Jan 2025	2 Feb 2025
12 Feb 2025	23 Feb 2025
5 Mar 2025	16 Mar 2025
26 Mar 2025	6 Apr 2025
16 Apr 2025	27 Apr 2025
7 May 2025	18 May 2025
28 May 2025	8 Jun 2025
18 Jun 2025	28 Jun 2025
8 Jul 2025	19 Jul 2025
29 Jul 2025	9 Aug 2025