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 North Carolina.

Why Were These Dates Chosen?

These are dates when the Landsat8 satellite will be passing overhead and taking photographs of our lakes. We will use these photographs to calculate the lake's surface area. We will then use these surface areas measurements along with lake height measurements 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

2020 Target Monitoring Dates - NC

1/3/2020	1/12/2020
1/19/2020	1/28/2020
2/4/2020	2/13/2020
2/20/2020	2/29/2020
3/7/2020	3/16/2020
3/23/2020	4/1/2020
4/8/2020	4/17/2020
4/24/2020	5/3/2020
5/10/2020	5/19/2020
5/26/2020	6/4/2020
6/11/2020	6/20/2020
6/27/2020	7/6/2020
7/13/2020	7/22/2020
7/29/2020	8/7/2020
8/14/2020	8/23/2020
8/30/2020	9/8/2020
9/15/2020	9/24/2020
10/1/2020	10/10/2020
10/17/2020	10/26/2020
11/2/2020	11/11/2020
11/18/2020	11/27/2020
12/4/2020	12/13/2020
12/20/2020	12/29/2020
1/5/2021	1/14/2021
1/21/2021	1/30/2021