Satellite Schedule for 2010

Once again, in 2010, we will continue to use your data to get water clarity data on thousands of lakes in Wisconsin using satellite imagery. Between 1999-2001, the University of Wisconsin conducted a study to learn how to use on-the-ground Secchi readings, a mathematical model and satellite imagery to determine water clarity on over 8000 lakes in Wisconsin. This means that on a sunny day when the satellite is overhead, if you monitor your lake, you are also monitoring other lakes around you that might not have a volunteer. Without volunteers, we could not use satellite imagery to get water clarity data, because every satellite image has to be calibrated using on-the-ground readings.

After the UW completed their study, the DNR took over the job of analyzing the satellite imagery on an ongoing basis. We use data from both the Landsat 5 and Landsat 7 satellites, so the schedule below is a combination of dates from both satellites.

How to participate:

1.) If you know your satellite path from last year, you are all set. If you don't know which path your lake is in, look on the "Satellite Path" handout included in this packet. You can also check on the web at: http://dnr.wi.gov/clmn/remotesensing/.

2.) Use the schedule below to see what dates the satellite will be overhead. We encourage you to monitor on as many of the dates for your path as you can. If you are in more than one path, you can choose dates from both. If the "satellite day" is very cloudy, the satellite may not be able to get a good picture of the lake on that date. If that happens, going out the following day or two will also help. Usually if we can't get 20 on-the-ground readings for a given image for the exact dates, we will use data from one or two days later.

3.) You don't need to do anything extra when reporting your data. The 1999-2001 satellite water clarity data is available on the Internet (www.lakesat.org). Soon, we will make more recent satellite results available on the DNR's web site.

To learn more, visit the following very interesting website for more details:
The Environmental Remote Sensing Center, UW-Madison:
www.lakesat.org

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Path 26	Path 25	Path 24	Path 23
06/05/2010	05/29/2010	05/22/2010	05/31/2010
06/13/2010	06/06/2010	05/30/2010	06/08/2010
06/21/2010	06/14/2010	06/07/2010	06/16/2010
06/29/2010	06/22/2010	06/15/2010	06/24/2010
07/07/2010	06/30/2010	06/23/2010	07/02/2010
07/15/2010	07/08/2010	07/01/2010	07/10/2010
07/23/2010	07/16/2010	07/09/2010	07/18/2010
07/31/2010	07/24/2010	07/17/2010	07/26/2010
08/08/2010	08/01/2010	07/25/2010	08/03/2010
08/16/2010	08/09/2010	08/02/2010	08/11/2010
08/24/2010	08/17/2010	08/10/2010	08/19/2010
09/01/2010	08/25/2010	08/18/2010	08/27/2010
09/09/2010	09/02/2010	08/26/2010	09/04/2010
09/17/2010	09/10/2010	09/03/2010	09/12/2010
09/25/2010	09/18/2010	09/11/2010	09/20/2010
10/03/2010	09/26/2010	09/19/2010	09/28/2010