

# Three Lakes Clarity Monitoring Program

## May 2015 Report

All data in this report is PROVISIONAL and SUBJECT TO REVISION

Data used is provided by GCWIN, USGS, BOR and NCWCD.

Secchi depths reported are measured using a view scope.

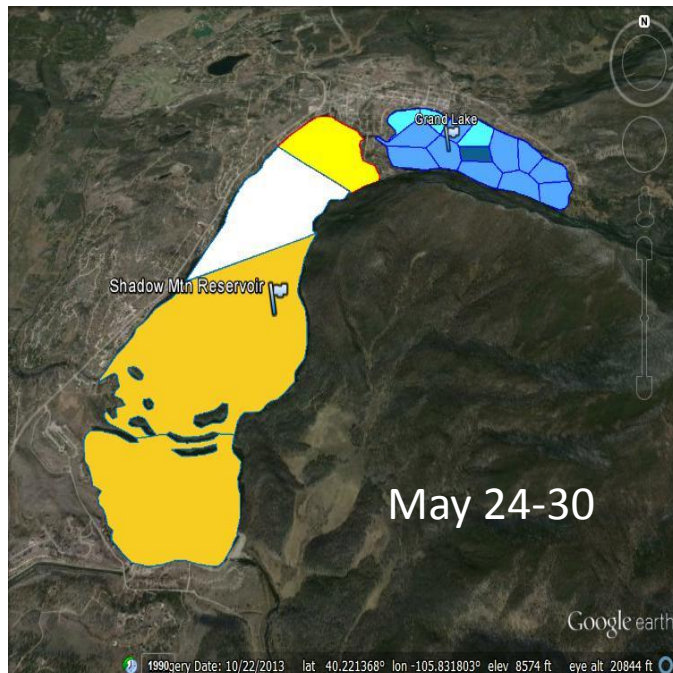
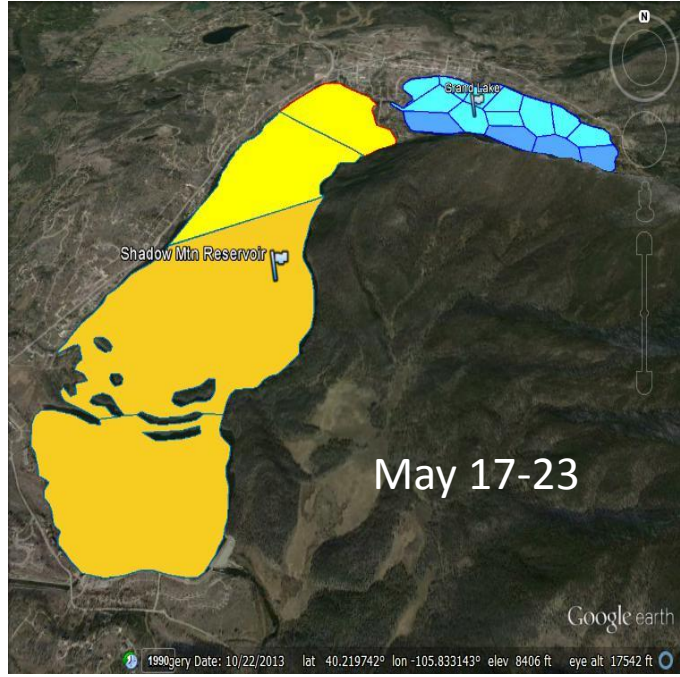
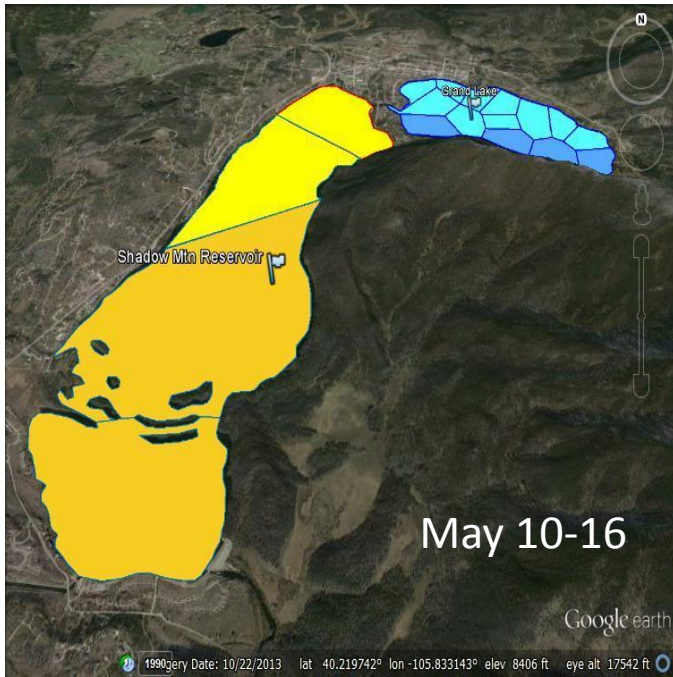
### May synopsis

**Grand Lake** – Clarity averaged 3.94m. Average surface temperature was 45°F. Inflow from the East Inlet fluctuated throughout the month starting at 67cfs and ended at 236cfs. Inflow from the North Inlet fluctuated throughout the month starting at 142cfs and ended at 300cfs. Outflow at Adams Tunnel started at 222cfs and reached a high of 298cfs and ended the month at 1cfs.

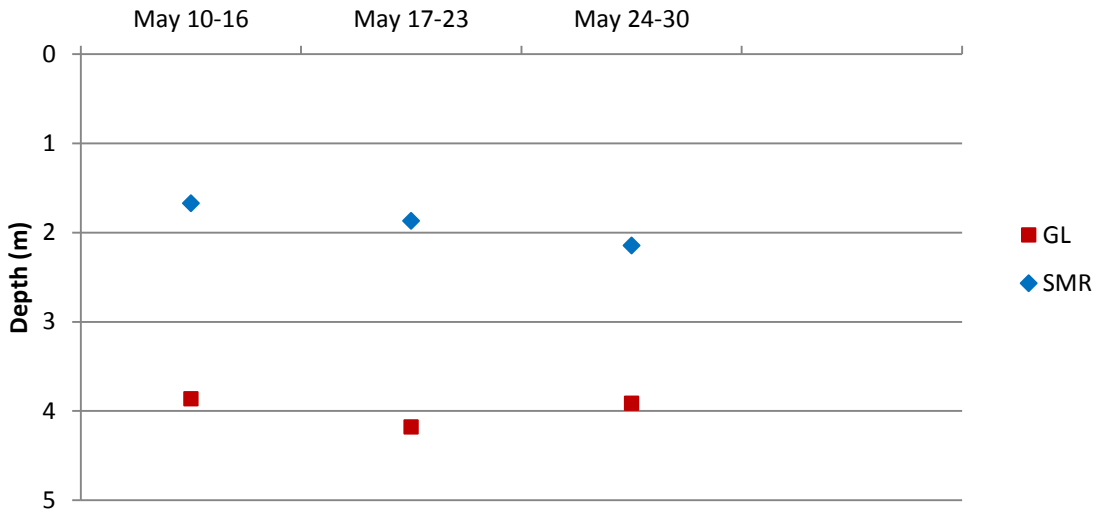
**Shadow Mountain Reservoir** – Clarity averaged 1.80m. Average surface temperature was 47°F. Inflow from the North Fork increased from 142cfs to 208cfs by the end of the month. Inflow at the Farr Pump was 0cfs for the month of May. Outflow at the Granby Dam increased from 55cfs to 891cfs.

**Connecting Channel Flow** – Velocity fluctuated, starting at 60cfs reaching a high of 90cfs and ending at -332cfs flowing to Shadow Mountain Reservoir.

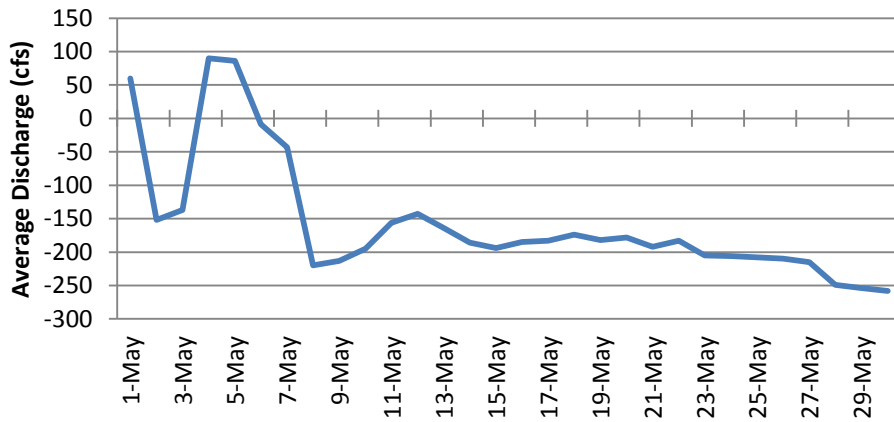
Secchi Depth (m)	
<1.0	4.0 - 4.5
1.0 - 1.5	4.5 - 5.0
1.5 - 2.0	5.0 - 5.5
2.0 - 2.5	5.5 - 6.0
2.5 - 3.0	6.0 - 6.5
3.0 - 3.5	6.5 - 7.0
3.5 - 4.0	> 7.0



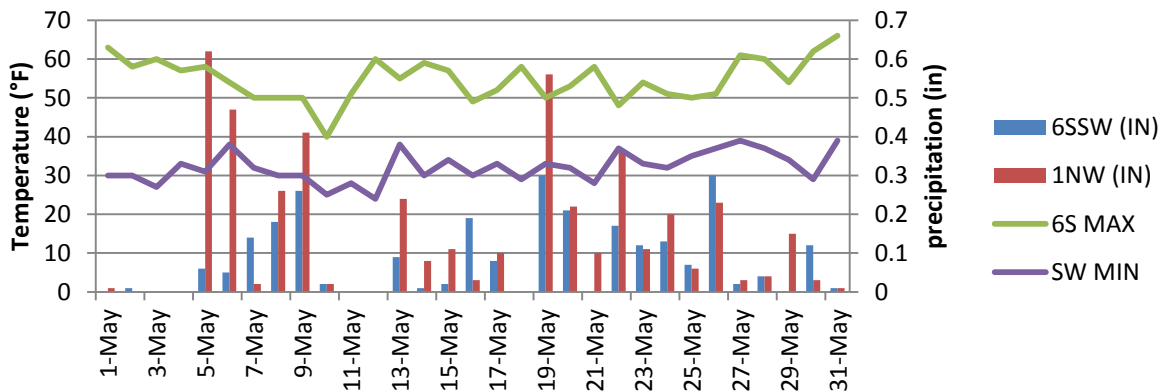
# Average Weekly Secchi Depth Chart



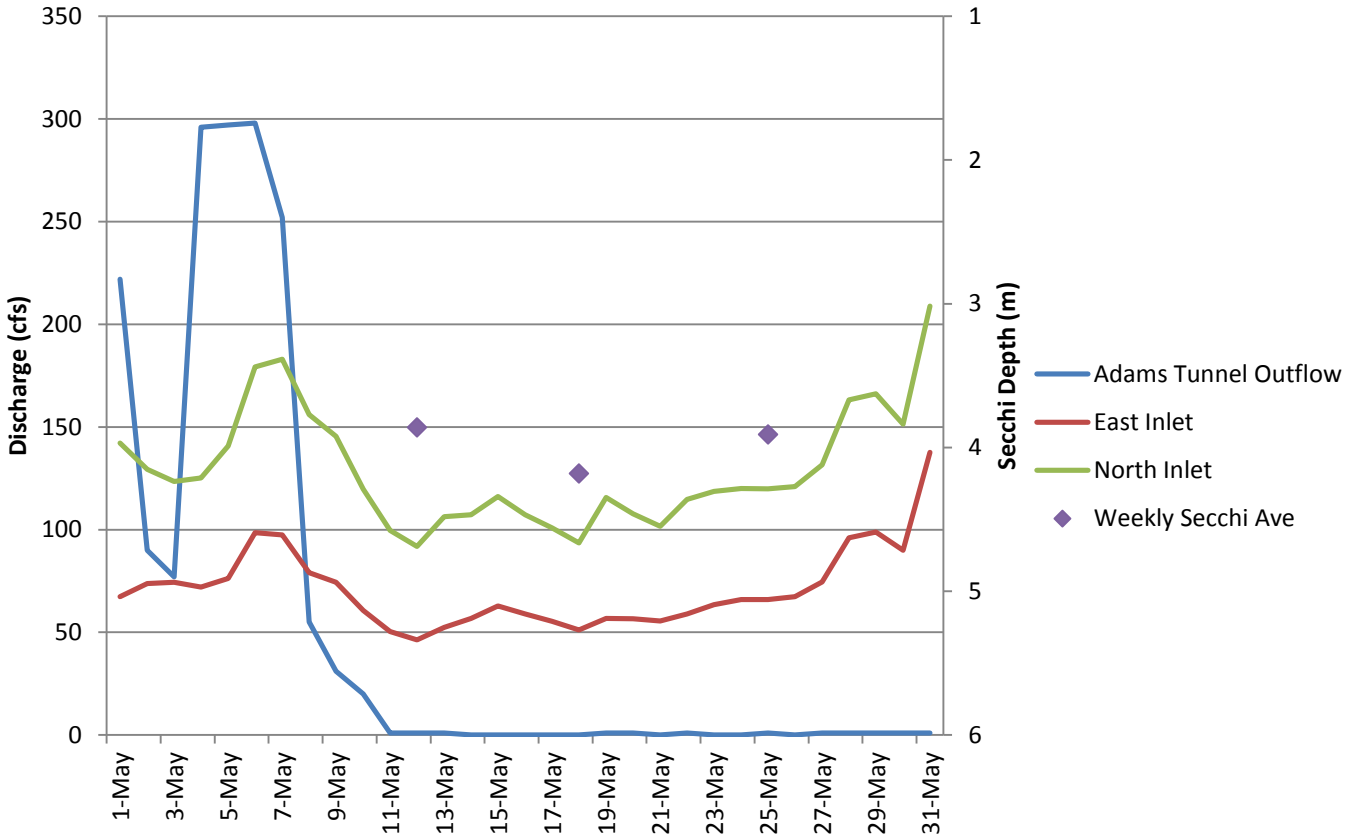
# Connecting Channel Flow



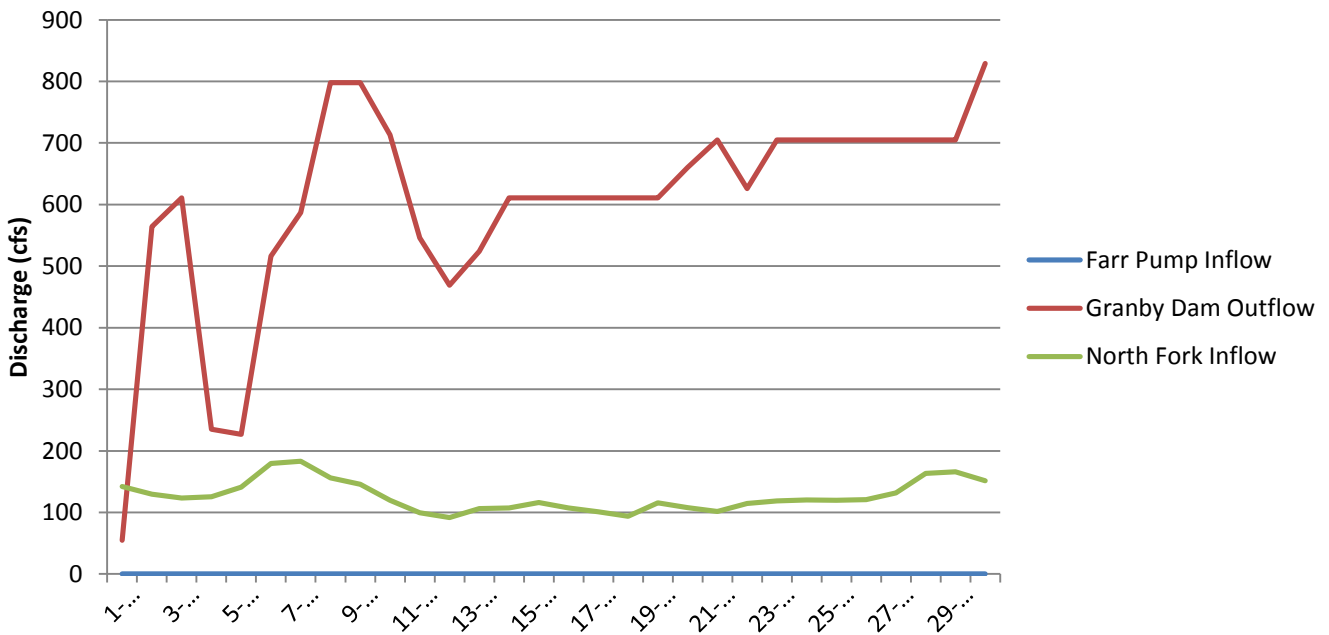
# Weather Around Grand Lake



## Grand Lake Flows & Secchi



## Shadow Mountain Reservoir Flows & Secchi



If you are interested in viewing current conditions, you can check the following links:

- For real-time data on SMR– GL connecting channel: :  
[http://waterdata.usgs.gov/nwis/dv?referred\\_module=sw&site\\_no=09014050](http://waterdata.usgs.gov/nwis/dv?referred_module=sw&site_no=09014050)
- For information on stream inflows:  
<http://www.northernwater.org/WaterProjects/WestSlopeWaterData.aspx?WDType=R>
- For five-day archives of Adams Tunnel flows:  
[http://www.usbr.gov/gp-bin/hydromet\\_archives.pl?adatunco](http://www.usbr.gov/gp-bin/hydromet_archives.pl?adatunco)
- For Grand County’s water resource page: <http://co.grand.co.us/408/Water-Resource-Management>
- For weather, gages, snow, avalanche reports , and water news: [www.crwcd.org](http://www.crwcd.org)
- For water quality data around Grand County <http://www.gcwin.org>