

## GRENADIER POND (STN 7065, Site ID 3)

### S end, deep spot

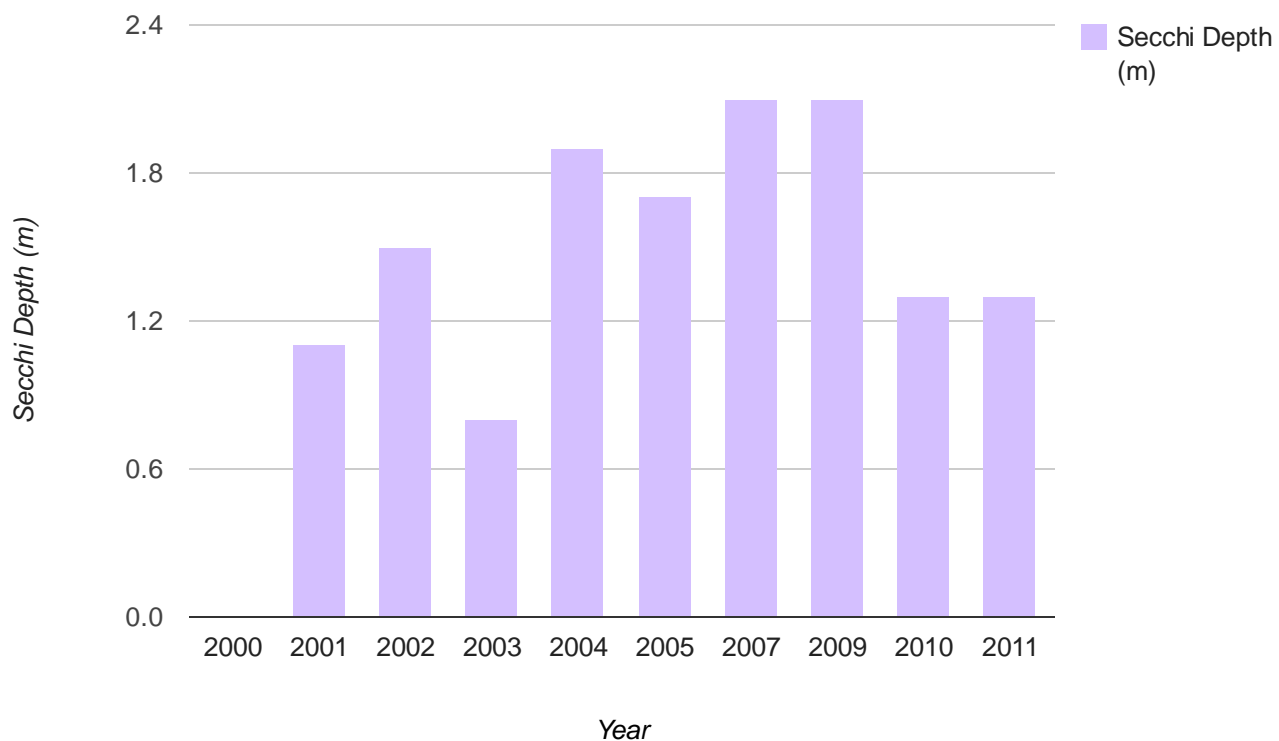
The Lake Partner Program is a province-wide, volunteer-based, water-quality monitoring program. Volunteers collect total phosphorus samples and make monthly water clarity observations on their lakes. This information will allow the early detection of changes in the nutrient status and/or the water clarity of the lake due to the impacts of shoreline development, climate change and other stresses.

Approximately 800 active volunteers monitor total phosphorus at 728 locations in the lakes across Ontario.

Increases in phosphorus can decrease water clarity by stimulating algal growth. However, the amount of phosphorus in the lake is not the only factor controlling light penetration, as the amount of dissolved organic carbon (DOC) or non-biological turbidity also plays an important role. Water clarity can also be altered by invading species such as zebra mussels. It is always best, therefore, to use total phosphorus to evaluate the nutrient status of the lake. Nonetheless, water clarity readings are useful for tracking changes in the lake that might be occurring that would not be noticed by monitoring TP concentration alone, e.g. zebra mussel invasions.

[Print this page \(JavaScript>window.print\(\);\)](#)

### Water Transparency (Secchi Depth in meters)



### Water Transparency (Secchi Depth in meters)

Year	Secchi Depth (meters)
2001	1.1
2002	1.5
2003	0.8
2004	1.9
2005	1.7
2007	2.1
2009	2.1
2010	1.3
2011	1.3

If you have some suggestions or find some errors, please send an Email to [lakepartner@ontario.ca](mailto:lakepartner@ontario.ca) ([mailto:lakepartner@ontario.ca?subject=Portal Error Submission](mailto:lakepartner@ontario.ca?subject=Portal%20Error%20Submission)).