

**2007 Gulf Island Pond Water Quality Study
Secchi Disk Measurements and Algae Levels**

2007 Acheron Algae Scale	
0:	Water visually appears clear. No green tint. No visible algae suspended in the water column.
1:	Water may have a slight green tint. Some suspended algae visible at very low density.
2:	Notable level of visible algae suspended in the water column especially with a viewing scope. Individual algae particles are easily visible but density is low. The water may have a slight green tint. Individual algae particles are well dispersed and do not accumulate in downwind areas.
3:	High concentrations of visible algae suspended in the water column over large areas of the pond. Evidence of accumulated algae in downwind coves. This condition is considered to be a bloom.
4:	Heavy algae concentration throughout the pond. Large rafts of algae at multiple locations especially in downwind coves. This is considered to be a bloom.

Secchi Disk Measurement (m) and Algae Le						
Date	Turner Bridge Secchi (m)	Turner Bridge Algae Level	Upper Narrows Secchi (m)	Upper Narrows Algae Level	Lower Narrows Secchi (m)	Lower Narrows Algae Level
6/5/2007	2.0	0.0	2.8	0.0	2.4	0.0
6/12/2007	2.9	0.0	3.1	0.0	2.7	0.0
6/19/2007	3.2	0.0	2.9	0.5	2.6	1.0
6/26/2007	3.0	0.5	2.9	1.0	3.0	1.0
7/2/2007	2.7	0.5	2.6	1.0	2.6	1.0
7/10/2007	2.4	0.5	2.1	1.0	2.1	2.0
7/17/2007	1.8	0.0	0.9	1.5	1.0	0.0
7/24/2007	2.7	0.0	2.1	0.0	2.6	0.5
7/31/2007	2.6	0.5	3.1	1.0	2.5	2.0
8/7/2007	2.9	0.0	2.7	0.0	2.6	0.0
8/14/2007	3.8	0.0	3.4	0.0	3.5	0.0
8/21/2007	3.0	0.0	3.1	0.0	3.0	0.0
8/28/2007	3.4	0.0	3.2	0.0	2.9	0.0
9/4/2007	2.8	0.0	3.0	0.0	3.0	0.0
9/11/2007	2.9	0.0	2.9	0.0	2.9	0.0
9/18/2007	3.1	0.0	2.7	0.0	3.0	0.0
9/25/2007	3.1	0.0	2.5	0.5	3.2	0.5
mean	2.8		2.7		2.7	

Level For Each Location By Wee

GIP 4 Secchi (m)	GIP 4 Algae Level	Deep Hole Secchi (m)	Deep Hole Algae Level	Duplicates	Location of Duplicate
2.5	0.0	2.6	0.0	2.0	Turner Bridge
2.4	0.0	2.6	0.0	2.9	Turner Bridge
2.4	1.5	2.7	1.5	2.9	Upper Narrows
2.3	1.0	2.4	1.5	3.0	Lower Narrows
2.7	1.5	2.8	2.0	2.7	GIP-4
2.1	2.0	2.1	2.0	2.1	DeepHole
1.2	0.0	1.0	0.0	DNS	Twin Bridges
2.6	1.0	2.7	1.5	2.7	Turner Bridge
2.5	2.0	3.0	2.0	DNS	Upper Narrows
2.8	0.5	2.9	0.5	2.6	Lower Narrows
2.9	0.0	3.0	0.0	2.9	GIP-4
2.8	0.0	3.0	0.0	3.0	Deep Hole
2.5	0.0	3.1	0.0	DNS	Twin Bridges
2.8	0.0	3.0	0.0	2.8	Turner Bridge
3.1	0.0	3.4	0.0	2.9	Upper Narrows
3.2	0.0	2.7	0.0	3.0	Lower Narrows
2.9	0.5	2.8	1.0	3.1	Turner Bridge

2.6

2.7