

Verso Paper/NewPage Corporation
2006 Gulf Island Pond Water Quality Study
Secchi Disk Measurements and Algae Levels

<u>2006 Acheron Algae Scale</u>	
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 Level F						
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
6/6/2006	2.3	0.0	2.4	0.0	2.6	0.0
6/13/2006	1.2	0.0	1.4	0.0	1.2	0.0
6/20/2006	2.6	0.0	2.3	0.0	2.3	0.0
6/27/2006	2.1	0.0	2.4	0.0	2.5	0.0
7/5/2006	2.8	0.0	2.3	0.0	2.3	0.5
7/11/2006	2.6	0.5	2.1	0.5	2.3	1.0
7/18/2006	2.6	0.5	2.3	2.0	2.5	2.0
7/25/2006	2.8	0.5	2.6	1.0	2.9	1.0
8/1/2006	2.0	0.5	2.0	1.5	2.0	1.5
8/8/2006	2.6	1.5	2.3	2.0	2.5	1.5
8/15/2006	2.8	1.5	2.1	1.0	2.1	1.0
8/22/2006	2.5	1.0	3.2	1.0	2.9	1.5
8/29/2006	2.9	1.0	2.5	1.0	2.5	0.5
9/5/2006	2.8	0.5	2.9	0.5	2.6	1.5
9/12/2006	3.1	0.5	3.5	0.5	3.1	0.5
9/19/2006	3.9	0.5	3.1	0.5	3.2	0.5
9/26/2006	3.3	0.0	3.0	0.0	2.5	0.0

For Each Location By Week

GIP 4 Secchi (m)	GIP 4 Algae Level	Deep Hole Secchi (m)	Deep Hole Algae Level	Duplicates	Location of Duplicate
2.4	0.0	2.3	0.0	2.6	Lower Narrows
1.2	0.0	2.0	0.0	1.2	Lower Narrows
2.1	0.0	1.2	0.0	2.1	GIP-4
2.4	0.0	2.4	0.0	2.4	Deep Hole
2.3	0.5	2.3	0.5	2.8	Turner Bridge
2.5	0.5	2.6	0.5	2.1	Upper Narrows
2.9	1.0	3.1	1.0	2.5	Lower Narrows
3.1	1.0	3.5	1.0	3.1	GIP-4
2.4	1.0	2.4	1.0	2.4	Deep Hole
2.6	1.5	2.6	1.5	2.3	Upper Narrows
2.5	0.5	2.1	0.5	2.1	Lower Narrows
3.0	2.0	3.0	1.5	3.0	Deep Hole
2.8	1.0	2.6	1.0	2.6	Deep Hole
2.8	1.0	2.7	0.5	2.8	Turner Bridge
3.1	0.5	2.6	1.0	2.9	Upper Narrows
3.1	0.0	3.4	0.0	3.2	Lower Narrows
2.5	0.0	2.6	0.0	2.5	GIP-4