

Collier County Red Tide Update 12/9/2011			
Sample Date	Location	*Results	Sampling Agency
12/8/11	Barefoot Beach	LOW	Collier County Pollution Control Dept.
12/8/11	Vanderbilt	MEDIUM	Collier County Pollution Control Dept.
12/8/11	Seagate	MEDIUM	Collier County Pollution Control Dept.
12/8/11	Naples Pier	MEDIUM	Collier County Pollution Control Dept.
12/8/11	Naples Bay—near Windstar	HIGH	Volunteer
12/8/11	South Marco Beach	MEDIUM	FWRI
12/8/11	Caxambas Park Marina	LOW	FWRI

KEY TO RED TIDE LEVELS—Table provided by Florida Wildlife Research Institute(FWRI)		
Description	<i>Karenia brevis</i> cells/L	Possible Effects (<i>Karenia brevis</i> only)
NOT PRESENT – BACKGROUND	0 – 1,000	None anticipated
VERY LOW	>1,000 – 10,000	Possible respiratory irritation; shellfish harvesting closures \geq 5,000 cells/L
LOW	>10,000 – 100,000	Respiratory irritation; possible fish kills and bloom chlorophyll probably detected by satellites at upper range
MEDIUM	>100,000 – 1,000,000	Respiratory irritation and probable fish kills
HIGH	>1,000,000	As above plus discoloration