

Collier County Red Tide Update 12/15/2011			
Sample Date	Location	*Results	Sampling Agency
12/13/11	Barefoot Beach	NOT PRESENT	Collier County Pollution Control Dept.
12/13/11	Vanderbilt	NOT PRESENT	Collier County Pollution Control Dept.
12/13/11	Seagate	NOT PRESENT	Collier County Pollution Control Dept.
12/13/11	Naples Pier	BACKGROUND	Collier County Pollution Control Dept.
12/13/11	South Marco Beach	LOW	Collier County Pollution Control Dept.
12/14/11	Caxambas Park Marina	MEDIUM	FWRI
12/12/11	Big Marco Pass, Snook Inn	MEDIUM	Rookery Bay National Estuarine Research Reserve
12/12/11	Caxambas Pass	LOW	Rookery Bay National Estuarine Research Reserve
12/12/11	Goodland Bridge	MEDIUM	Rookery Bay National Estuarine Research Reserve
12/12/11	Big Marco Pass, 951 launch ramp	MEDIUM	Rookery Bay National Estuarine Research Reserve

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