

Collier County Red Tide Update 12/6/2011			
Sample Date	Location	*Results	Sampling Agency
12/5/11	Vanderbilt	VERY LOW	Collier Dept. of Health
12/5/11	Seagate	VERY LOW	Collier Dept. of Health
12/5/11	Naples Pier	BACKGROUND	Collier Dept. of Health
12/5/11	South Marco Beach	LOW	Collier Dept. of Health
12/5/11	Big Marco Pass, Snook Inn	MEDIUM	Rookery Bay National Estuarine Reserve
12/5/11	Caxambas Pass	MEDIUM	Rookery Bay National Estuarine Reserve
12/5/11	Goodland Bridge	MEDIUM	Rookery Bay National Estuarine Reserve
12/5/11	Big Marco Pass, 951 boat launch	MEDIUM	Rookery Bay National Estuarine Reserve
12/5/11	8.7 miles W of Delnor- Wiggins Pass State Park	VERY LOW	Florida Wildlife Research Institute (FWRI)
12/5/11	5 miles NW of Vanderbilt Beach	MEDIUM	Florida Wildlife Research Institute (FWRI)
12/5/11	4.3 miles W of Pelican Bay	MEDIUM	Florida Wildlife Research Institute (FWRI)
12/5/11	2.3 miles SW of Lowdermilk Park	MEDIUM	Florida Wildlife Research Institute (FWRI)

KEY TO RED TIDE LEVELS—Table provided by Florida Wildlife Research Institute		
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