

Collier County Red Tide Update 12/21/2011			
Sample Date	Location	*Results	Sampling Agency
12/17/11	Dollar Bay	VERY LOW	Volunteer
12/19/11	Vanderbilt	BACKGROUND	FDOH
12/19/11	Seagate	VERY LOW	FDOH
12/19/11	Naples Pier	BACKGROUND	FDOH
12/19/11	South Marco Beach	MEDIUM	FDOH
12/19/11	Big Marco Pass, Snook Inn	BACKGROUND	Rookery Bay National Estuarine Research Reserve
12/19/11	Caxambas Pass	MEDIUM	Rookery Bay National Estuarine Research Reserve
12/19/11	Goodland Bridge	MEDIUM	Rookery Bay National Estuarine Research Reserve
12/19/11	Big Marco Pass, 951 boat launch	MEDIUM	Rookery Bay National Estuarine Research Reserve
12/20/2011	Shell Island, S of, Gullivan Bay	NOT PRESENT	FDACS
12/20/2011	Coon Key Lighthouse	NOT PRESENT	FDACS
12/20/2011	Cape Romano	LOW	FDACS
12/20/2011	Goodland Bay	VERY LOW	FDACS

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