

**FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION**  
**MARINE MAMMAL PATHOBIOLOGY LABORATORY**  
**2011 Final Red Tide Manatee Mortalities**  
**Manatee Carcasses Collected Within the Known Red Tide Bloom Boundary**

COUNTY	DATE	FIELD ID	SEX	SIZE	WATERWAY	LOCATION	CAUSE
Lee	29-Oct	MSW11194	M	324	Charlotte Harbor	Boca Grande	Natural; Other (Red Tide)
Lee	5-Nov	MSW11196	M	285	Pelican Bay	Cayo Costa	Natural; Other (Red Tide)
Collier	28-Nov	MSW11100	M	225	Gordon River	Naples	Natural; Other (Red Tide)
Lee	30-Nov	MSW11101	M	216	Imperial River	Bonita Springs	Natural; Other (Red Tide)
Collier	1-Dec	MSW11102	M	224	Gordon River	Naples	Natural; Other (Red Tide)
Lee	2-Dec	MSW11103	F	236	Imperial River	Bonita Springs	Natural; Other (Red Tide)
Lee	2-Dec	MSW11104	F	238	Estero Bay	Lovers Key	Natural; Other (Red Tide)
Lee	4-Dec	MSW11105	F	269	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	5-Dec	MSW11106	M	275	Ten Mile Canal	Ft. Myers	Natural; Other (Red Tide)
Lee	6-Dec	MSW11107	F	241	Estero Bay	Bonita Springs	Natural; Other (Red Tide)
Lee	6-Dec	MSW11108	F	280	Imperial River	Bonita Springs	Natural; Other (Red Tide)
Lee	8-Dec	MSW11109	M	280	Big Hickory Pass	Bonita Springs	Natural; Other (*)
Lee	8-Dec	MSW11110	M	250	Fish Trap Bay	Bonita Springs	Natural; Other (*)
Lee	10-Dec	MSW11112	F	247	Fish Trap Bay	Bonita Springs	Natural; Other (Red Tide)
Lee	12-Dec	MSW11114	M	251	Imperial River	Bonita Springs	Natural; Other (Red Tide)
Lee	13-Dec	MSW11115	F	234	Orange River	Ft. Myers	Natural; Other (Red Tide)
Lee	13-Dec	MSW11116	M	254	Estero Bay	Ft. Myers	Natural; Other (Red Tide)
Lee	16-Dec	MSW11117 F	F	283	Big Hickory Pass	Bonita Springs	Natural; Other (Red Tide)
Lee	17-Dec	MSW11118	M	239	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	19-Dec	MSW11119	M	229	Ten Mile Canal	Ft. Myers	Natural; Other (Red Tide)
Lee	28-Dec	MSW11120	M	241	San Carlos Bay	Ft. Myers	Natural; Other (Red Tide)
Lee	28-Dec	MSW11121	F	307	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	31-Dec	MSW11122	F	358	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)

(%) (#) (\*) (~) **Red Tide Suspect**

*F* Indicates a Field Necropsy was Performed.

Red Tide Positive = 21

Red Tide Suspect = 2

Red Tide Total = 23

**(Red Tide) and (+) Brevetoxin detected by ELISA analysis in Stomach Contents, Liver, Urine, or other collected sample.**

**(%) Red Tide Suspect: Low level of brevetoxin detected.**

**(#) Red Tide Suspect: Tissue samples being tested at FWRI.**

**(~) Red Tide Suspect: Tissue samples at MMPL.**

**(\*) Carcass recovered within the known bloom boundary and no other cause of death was apparent. Tissues were not tested.**