

**FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION**  
**MARINE MAMMAL PATHOBIOLOGY LABORATORY**  
**2012 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	01-Jan	MSW1202	M	260	Orange River	Ft. Myers	Undetermined; Other (+)
Lee	05-Jan	MSW1203	F	220	Orange River	Ft. Myers	Natural; Other (Red Tide)
Lee	07-Jan	MSW1204	M	150	Matanzas River	Ft. Myers	Perinatal; Natural (Red Tide)
Lee	12-Jan	MSW1207	F	335	Gulf of Mexico	Sanibel	Natural; Other (Red Tide)
Lee	26-Jan	MSW1214	F	257	Matlacha Pass	Cape Coral	Natural; Other (Red Tide)
Lee	26-Jan	MSW1215	F	185	San Carlos Bay	St. James City	Undetermined; Too Decomposed (%)
Collier	26-Jan	MSW1216	M	221	Faka Union Canal	Port of the Islands	Natural; Other (Red Tide)
Lee	2-Feb	MSW1220 F	F	322	Orange River	Ft. Myers	Natural; Other (Red Tide)
Lee	2-Feb	MSW1221	F	293	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	3-Feb	MSW1222	F	248	Orange River	Ft. Myers	Natural; Other (Red Tide)
Lee	3-Feb	MSW1223	M	311	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	4-Feb	MSW1224	M	266	Caloosahatchee River	Cape Coral	Natural; Other (Red Tide)
Lee	7-Feb	MSW1225	M	273	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	10-Feb	MSW1226	M	272	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	15-Feb	MSW1227	M	198	Orange River	Ft. Myers	Natural; Other (%)
Lee	15-Feb	MSW1228	F	280	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	23-Feb	MSW1232	F	297	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	23-Feb	MSW1233	F	269	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Charlotte	17-Oct	MSW1281	F	311	Gasparilla Sound	Gasparilla	Natural; Other (Red Tide)
Charlotte	26-Oct	MSW1282	M	293	Charlotte Harbor	Punta Gorda	Natural; Other (Red Tide)
Collier	1-Nov	MSW1284	F	195	Henderson Creek	Naples	Natural; Other (Red Tide)
Lee	10-Nov	MSW1285	M	195	Gulf of Mexico	Sanibel	Natural; Other (Red Tide)
Lee	27-Nov	MSW1294	F	230	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Collier	20-Nov	MSW12100	M	177	Barron River	Ochopee	Natural; Other (%)
Charlotte	5-Dec	MSW12103	F	210	Charlotte Harbor	Punta Gorda	Natural; Other (Red Tide)
Lee	6-Dec	MSW12104	F	285	Caloosahatchee River	Ft. Myers	Undetermined; Too Decomposed (%)
Lee	8-Dec	MSW12105	F	205	Orange River	Ft. Myers	Undetermined; Too Decomposed (%)
Lee	11-Dec	MSW12106	M	215	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	15-Dec	MSW12107	F	194	Matlacha Pass	Cape Coral	Natural; Other (Red Tide)
Lee	17-Dec	MSW12109	M	229	Jug Creek	Bokeelia	Natural; Other (Red Tide)
Lee	17-Dec	MSW12110	M	302	Jug Creek	Bokeelia	Natural; Other (Red Tide)
Lee	19-Dec	MSW12112	F	230	San Carlos Bay	Sanibel	Natural; Other (Red Tide)
Lee	24-Dec	MSW12114	F	312	Orange River	Ft. Myers	Undetermined; Other (+)
Lee	25-Dec	MSW12115	F	219	Orange River	Ft. Myers	Natural; Other (Red Tide)

*F* Indicates a Field Necropsy was Performed.

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

Red Tide Positive = 27

Red Tide Suspect = 7

Red Tide Total = 34

**(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 FWRL.**

**(~) 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.**