

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
MARINE MAMMAL PATHOBIOLOGY LABORATORY
2016 Final Red Tide Manatee Mortalities, Jan 01 – 31 Dec

Manatee Carcasses Collected Within the Known Red Tide Bloom Boundary

COUNTY	DATE	FIELD ID	SEX	SIZE	WATERWAY	LOCATION	CAUSE
Collier	3-Jan	MSW16003	F	240	Rookery Bay	Naples	Natural; Other (Red Tide)
Sarasota	6-Jan	MNW16001	M	263	Sarasota Bay	Longboat Key	Natural; Other (Red Tide)
Collier	7-Jan	MSW16004	F	268	Sanctuary Sound	Marco Island	Natural; Other (Red Tide)
Pinellas	9-Jan	MNW16003	F	254	Tampa Bay	St. Petersburg	Natural; Other (Red Tide)
Lee	12-Jan	MSW16007 F	M	215	Caloosahatchee River	North Ft. Myers	Undetermined; Too Decomposed (%)
Lee	25-Jan	MSW16013 F	M	218	Pine Island Sound	St. James City	Natural; Other (Red Tide)
Charlotte	1-Feb	MSW16015 F	M	221	Myakka River	Port Charlotte	Natural; Other (+)
Lee	3-Feb	MSW16018 F	F	162	Matlacha Pass	Cape Coral	Undetermined; Too Decomposed (%)
Lee	5-Feb	MSW16019 F	M	220	Caloosahatchee River	Cape Coral	Undetermined; Too Decomposed (+)
Charlotte	6-Feb	MSW16020	M	287	Gasparilla Sound	Placida	Natural; Other (Red Tide)
Lee	8-Feb	MSW16022	F	332	Caloosahatchee River	Ft. Myers	Undetermined; Too Decomposed (%)
Lee	15-Feb	MSW16025	M	302	Caloosahatchee River	Cape Coral	Undetermined; Other (%)
Collier	18-Feb	MSW16027	M	152	Halfway Creek	Ochopee	Natural; Other (%)
Lee	18-Feb	MSW16028	F	192	Orange River	Ft. Myers	Natural; Other (+)
Collier	19-Feb	MSW16029	F	237	Sanctuary Sound	Marco Island	Natural; Other (Red Tide)
Manatee	19-Feb	MNW16019	M	206	Snead Island Cutoff Canal	Palmetto	Natural; Cold Stress (+)
Collier	23-Feb	MSW16033 F	M	231	Gullivan Bay	Marco Island	Natural; Other (Red Tide)
Gulf	25-Feb	MNW16023 F	M	265	St. Joseph Bay	Port St. Joe	Natural; Other (Red Tide)
Collier	26-Feb	MSW16034	M	292	Faka Union Canal	Port of the Islands	Natural; Other (Red Tide)
Collier	26-Feb	MSW16035	F	293	Faka Union Canal	Port of the Islands	Natural; Other (Red Tide)
Collier	29-Feb	MSW16037	F	266	Faka Union Canal	Port of the Islands	Natural; Other (Red Tide)
Lee	1-Mar	MSW16038	M	291	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	1-Mar	MSW16040	F	195	Caloosahatchee River	Ft. Myers	Undetermined; Too Decomposed (%)
Hillsborough	5-Mar	MNW16026	M	215	Little Harbor	Ruskin	Natural; Other (Red Tide)
Monroe	10-Mar	MSW16046 F	F	341	North River	Flamingo	Undetermined; Too Decomposed (%)
Monroe	11-Mar	MSW16047 F	F	285	North River	Flamingo	Undetermined; Too Decomposed (%)
Lee	11-Mar	MSW16048 F	M	240	Punta Blanca Creek	Cape Coral	Undetermined; Too Decomposed (%)
Lee	14-Mar	MSW16050	F	313	Caloosahatchee River	North Ft. Myers	Undetermined; Too Decomposed (%)
Monroe	18-Mar	MSW16054	M	295	Lostmans Five Bay	Everglades National Park	Natural; Other (Red Tide)
Monroe	22-Mar	MSW16055	M	290	Rodgers River Bay	Everglades National Park	Natural; Other (Red Tide)
Pinellas	15-Apr	MNW16036	M	303	Boca Ciega Bay	Redington Beach	Natural; Other (Red Tide)
Sarasota	8-Oct	MSW16119	F	242	Sarasota Bay	Sarasota	Natural; Other (Red Tide)
Manatee	11-Oct	MNW16069	M	251	Palma Sola Bay	Bradenton	Natural; Other (Red Tide)
Collier	12-Oct	MSW16121	M	242	Gulf of Mexico	Marco Island	Natural; Other (Red Tide)
Pinellas	14-Oct	MNW16070	M	253	Boca Ciega Bay	St. Petersburg	Natural; Other (Red Tide)
Sarasota	31-Oct	MSW16122	F	139	Sarasota Bay	Sarasota	Perinatal-Natural; Other (+)
Lee	1-Nov	MSW16123	F	136	Estero Bay	Ft. Myers Beach	Perinatal-Undetermined; Too Decomposed (+)
Manatee	4-Nov	MNW16073	F	180	Sarasota Bay	Bradenton	Natural; Other (+)
Manatee	4-Nov	MNW16076 F	M	199	Sarasota Bay	Bradenton	Undetermined; Too Decomposed (+)
Manatee	5-Nov	MNW16074	F	222	Palma Sola Bay	Bradenton	Natural; Other (Red Tide)
Collier	7-Nov	MSW16125F	F	320	Gullivan Bay	Goodland	Undetermined; Too Decomposed (+)
Collier	7-Nov	MSW16126F	U	250	Gullivan Bay	Goodland	Undetermined; Too Decomposed (*)
Collier	9-Nov	MSW16127 F	M	212	Faka Union Canal	Port of the Islands	Undetermined; Too Decomposed (+)
Lee	11-Nov	MSW16128	M	189	Imperial River	Bonita Springs	Natural; Other (+)
Pinellas	11-Nov	MNW16077 F	M	228	Mullet Key Bayou	St. Petersburg	Undetermined; Too Decomposed (+)
Hillsborough	14-Nov	MNW16078	M	346	Tampa Bay	Tampa	Undetermined; Too Decomposed (%)
Sarasota	15-Nov	MSW16129	M	198	Hudson Bayou	Sarasota	Natural; Other (%)

01 December 2017

Sarasota	16-Nov	MSW16130	F	273	Roberts Bay	Venice	Natural; Other (Red Tide)
Lee	16-Nov	MSW16131	M	210	10 Mile Canal	Ft. Myers	Natural; Other (Red Tide)
Collier	17-Nov	MSW16132	F	259	Sanctuary Sound	Marco Island	Natural; Other (Red Tide)
Charlotte	17-Nov	MSW16133	F	219	Gasparilla Sound	Placida	Natural; Other (Red Tide)
Charlotte	28-Nov	MSW16135	M	175	Peace River	Punta Gorda	Natural; Other (+)
Lee	2-Dec	MSW16136	M	191	Pine Island Sound	Useppa Island	Natural; Other (Red Tide)
Collier	3-Dec	MSW16137	F	285	Sanctuary Sound	Marco Island	Natural; Other (Red Tide)
Hillsborough	5-Dec	MNW16084	F	364	Hillsborough Bay	Tampa	Undetermined; Too Decomposed (+)
Lee	6-Dec	MSW16140	M	205	Caloosahatchee River	Cape Coral	Undetermined; Too Decomposed (+)
Charlotte	7-Dec	MSW16138	M	215	Charlotte Harbor	Punta Gorda	Natural; Other (Red Tide)
Charlotte	7-Dec	MSW16139	M	297	Lemon Bay	Englewood	Natural; Other (Red Tide)
Manatee	11-Dec	MNW16085	F	213	Terra Ceia Bay	Palmetto	Natural; Other (+)
Lee	11-Dec	MSTm1613	M	225	Pine Island Sound	Bokeelia	Natural; Other (Red Tide)
Lee	12-Dec	MSW16141	F	313	Pine Island Sound	Sanibel	Natural; Other (Red Tide)
Lee	12-Dec	MSW16142	M	251	Gulf of Mexico	Boca Grande	Undetermined; Too Decomposed (+)
Charlotte	13-Dec	MSW16144	M	232	Lemon Bay	Placida	Natural; Other (Red Tide)
Lee	15-Dec	MSW16146 F	F	205	Caloosahatchee River	Cape Coral	Natural; Cold Stress (%)
Lee	15-Dec	MSW16147	M	197	Matlacha Pass	Cape Coral	Natural; Other (+)
Charlotte	19-Dec	MSW16150	M	282	Gasparilla Sound	Placida	Natural; Other (Red Tide)
Charlotte	20-Dec	MSW16151	F	312	Myakka River	Port Charlotte	Natural; Other (Red Tide)
Charlotte	21-Dec	MSW16154	M	284	Gasparilla Sound	Placida	Natural; Other (Red Tide)
Charlotte	22-Dec	LPZ103364	M	287	Gasparilla Sound	Placida	Natural; Other (Red Tide)
Charlotte	22-Dec	MSW16156	M	235	Charlotte Harbor	Placida	Undetermined; Too Decomposed (+)
Lee	23-Dec	MSW16158	M	279	Charlotte Harbor	Bokeelia	Natural; Other (Red Tide)
Sarasota	24-Dec	MSW16159	M	296	Blackburn Bay	Osprey	Natural; Other (Red Tide)
Sarasota	31-Dec	MSW16161	F	226	Lemon Bay	Englewood	Natural; Other (+)

F Indicates a Field Necropsy was Performed.

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

Red Tide Positive = 39

Red Tide Suspect = 34

Red Tide Total = 73

(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.