

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
MARINE MAMMAL PATHOBIOLOGY LABORATORY
2019 Final Red Tide Manatee Mortalities, Jan 01 – Dec 31
Manatees Carcasses Collected Within the Known Red Tide Bloom Boundary

COUNTY	DATE	FIELD ID	SEX	SIZE (cm)	WATERWAY	LOCATION	CAUSE
Collier	7-Jan	MSW19005	M	270	Factory Bay	Marco Island	Natural; Other (Red Tide)
Lee	26-Oct	MSW19139	M	319	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	26-Oct	MSW19140	M	296	Estero Bay	Ft. Myers Beach	Natural; Other (Red Tide)
Collier	27-Oct	MSW19141	F	309	Naples Bay	Naples	Undetermined; Too Decomposed (+)
Lee	1-Nov	MSW19142	M	320 (est)	Pine Island Soud	St. James City	Verified; Not Recovered (@)
Collier	2-Nov	LPZ103493	M	214	Big Marco Pass	Marco Island	Natural; Other (Red Tide)
Collier	3-Nov	MSW19143	M	275	Marco Pass	Marco Island	Natural; Other (Red Tide)
Lee	5-Nov	MSW19144	M	232	Estero Bay	Estero	Natural; Other (Red Tide)
Lee	6-Nov	MSW19145	M	277	Charlotte Harbor	Boca Grande	Natural; Other (Red Tide)
Lee	7-Nov	MSW19146	F	188	Safety Harbor	Upper Captiva	Natural; Other (Red Tide)
Charlotte	8-Nov	MSW19147 F	M	245	Lemon Bay	Englewood	Natural; Other (Red Tide)
Lee	8-Nov	MSW19148	M	275 (est)	Matlacha Pass	Cape Coral	Verified; Not Recovered (@)
Lee	10-Nov	MSW19149 F	M	223	Punta Rassa Cove	Ft. Myers	Undetermined; Other (+)
Lee	11-Nov	MSW19150	M	200 (est)	Redfish Pass	Captiva	Verified; Not Recovered (@)
Lee	11-Nov	MSW19151	F	200 (est)	Blind Pass	Sanibel	Verified; Not Recovered (@)
Lee	12-Nov	MSW19152	F	155 (est)	Pine Island Soud	Cayo Costa	Verified; Not Recovered (@)
Lee	13-Nov	MSW19153	U	232	San Carlos Bay	Sanibel	Verified; Not Recovered (@)
Charlotte	14-Nov	MSW19154	F	215	Gasparilla Sound	Placida	Natural; Other (Red Tide)
Lee	17-Nov	MSW19155	M	227	Charlotte Harbor	Bokeelia	Natural; Other (Red Tide)
Lee	18-Nov	MSW19156	U	245 (est)	Pine Island Soud	Useppa Island	Verified; Not Recovered (@)
Charlotte	21-Nov	MSW19157	M	196	Turtle Bay	Placida	Undetermined; Too Decomposed (+)
Lee	21-Nov	MSW19158	M	215 (est)	Ten Mile Canal	Ft. Myers	Verified; Not Recovered (@)
Lee	23-Nov	MSW19159	F	146	Back Bay	Bokeelia	Perinatal; Natural (+)
Lee	24-Nov	MSW19161	U	200 (est)	Kesson Bayou	Sanibel	Verified; Not Recovered (@)
Lee	26-Nov	MSW19164	U	245 (est)	Pine Island Soud	Sanibel	Verified; Not Recovered (@)
Lee	26-Nov	MSW19165	M	194	Big Carlos Pass	Ft. Myers Beach	Natural; Other (Red Tide)
Lee	26-Nov	MSW19166	F	333	Imperial River	Bonita Springs	Verified; Not Recovered (@)
Lee	28-Nov	MSW19168	M	185 (est)	San Carlos Pass	Punta Rassa	Verified; Not Recovered (@)
Lee	29-Nov	MSW19169	M	230 (est)	Matanzas Pass	Ft. Myers Beach	Verified; Not Recovered (@)
Lee	30-Nov	MSW19170	F	185	Gulf of Mexico	Sanibel	Natural; Other (Red Tide)
Lee	3-Dec	MSW19172	F	289	San Carlos Pass	Ft. Myers	Natural; Other (Red Tide)
Lee	5-Dec	MSW19174	M	285	Charlotte Harbor	Punta Gorda	Natural; Other (Red Tide)
Lee	3-Dec	MSW19175	M	305	Matlacha Pass	Cape Coral	Verified; Not Recovered (@)
Lee	6-Dec	MSW19176	M	179	Matlacha Pass	Cape Coral	Natural; Other (Red Tide)
Sarasota	6-Dec	MSW19177	M	233	Lemon Bay	Englewood	Natural; Other (Red Tide)
Lee	6-Dec	MSW19178	F	200 (est)	Little Carlos Pass	Ft. Myers Beach	Verified; Not Recovered (@)
Lee	7-Dec	MSW19180	M	265 (est)	Estero Bay	Bonita Springs	Verified; Not Recovered (@)
Lee	7-Dec	MSW19181	M	215 (est)	San Carlos Bay	St. James City	Verified; Not Recovered (@)
Lee	7-Dec	MSW19182	M	275 (est)	Charlotte Harbor	Bokeelia	Verified; Not Recovered (@)
Lee	8-Dec	MSW19183	U	270 (est)	Imperial River	Bonita Springs	Verified; Not Recovered (@)
Lee	8-Dec	MSW19184	F	312	Caloosahatchee River	Cape Coral	Verified; Not Recovered (@)
Lee	9-Dec	MSW19185	F	180 (est)	Ten Mile Canal	Ft. Myers	Verified; Not Recovered (@)
Lee	9-Dec	MSW19186	M	250 (est)	Charlotte Harbor	Bokeelia	Verified; Not Recovered (@)
Lee	9-Dec	MSW19187	U	200 (est)	Hendry Creek	Ft. Myers	Verified; Not Recovered (@)
Lee	9-Dec	MSW19188	U	275 (est)	Pine Island Soud	Sanibel	Verified; Not Recovered (@)
Charlotte	10-Dec	MSW19189	M	195	Placida Harbor	Placida	Natural; Other (+)

01 Feb 2021

Lee	10-Dec	MSW19191	F	245 (est)	Caloosahatchee River	North Ft. Myers	Verified; Not Recovered (@)
Collier	11-Dec	MSW19192	M	225	Sanctuary Sound	Marco Island	Verified; Not Recovered (@)
Lee	11-Dec	MSW19193	U	185 (est)	Charlotte Harbor	Cape Coral	Verified; Not Recovered (@)
Lee	11-Dec	MSW19194	F	260 (est)	Spring Creek	Bonita Springs	Verified; Not Recovered (@)
Lee	11-Dec	MSW19195	U	275 (est)	Matlacha Pass	Cape Coral	Verified; Not Recovered (@)
Lee	11-Dec	MSW19196	M	301	Matlacha Pass	Matlacha	Verified; Not Recovered (@)
Lee	12-Dec	MSW19197	F	340 (est)	Big Carlos Pass	Ft. Myers Beach	Verified; Not Recovered (@)
Lee	13-Dec	MSW19198	M	322	Little Carlos Pass	Ft. Myers Beach	Verified; Not Recovered (@)
Lee	13-Dec	MSW19199	U	260 (est)	Gulf of Mexico	Bonita Springs	Verified; Not Recovered (@)
Lee	13-Dec	MSW19200	M	185 (est)	Charlotte Harbor	Boca Grande	Verified; Not Recovered (@)
Charlotte	13-Dec	MSW19201	F	245 (est)	Charlotte Harbor	Port Charlotte	Verified; Not Recovered (@)
Lee	13-Dec	MSW19202	F	215 (est)	San Carlos Bay	St. James City	Verified; Not Recovered (@)
Sarasota	14-Dec	MSW19203	M	239	Forked Creek	Englewood	Natural; Other (Red Tide)
Lee	14-Dec	MSW19204	U	125 (est)	Caloosahatchee River	Cape Coral	Verified; Not Recovered (@)
Lee	15-Dec	MSW19205	U	215 (est)	Caloosahatchee River	Ft. Myers	Verified; Not Recovered (@)
Lee	15-Dec	MSW19206	M	215 (est)	Charlotte Harbor	Punta Gorda	Verified; Not Recovered (@)
Lee	15-Dec	MSW19207	F	275 (est)	Matlacha Pass	Matlacha	Verified; Not Recovered (@)
Lee	15-Dec	MSW19208	M	185 (est)	Caloosahatchee River	Ft. Myers	Verified; Not Recovered (@)
Sarasota	15-Dec	MSW19209	F	245 (est)	Lemon Bay	Englewood	Verified; Not Recovered (@)
Lee	16-Dec	MSW19210	M	318	Charlotte Harbor	Bokeelia	Verified; Not Recovered (@)
Lee	16-Dec	MSW19211	M	275 (est)	Gasparilla Sound	Boca Grande	Verified; Not Recovered (@)
Lee	16-Dec	MSW19212	M	250 (est)	Matlacha Pass	Matlacha	Verified; Not Recovered (@)
Charlotte	18-Dec	MSW19213	M	245 (est)	Peace River	Port Charlotte	Verified; Not Recovered (@)
Lee	18-Dec	MSW19214	U	260 (est)	Big Carlos Pass	Ft. Myers Beach	Verified; Not Recovered (@)
Lee	19-Dec	MSW19215	F	250 (est)	Matanzas Pass	Ft. Myers Beach	Verified; Not Recovered (@)
Lee	19-Dec	MSW19216	U	250 (est)	Gulf of Mexico	Sanibel	Verified; Not Recovered (@)
Lee	20-Dec	MSW19217	M	275 (est)	Matlacha Pass	Cape Coral	Verified; Not Recovered (@)
Lee	20-Dec	MSW19218	M	270 (est)	Imperial River	Bonita Springs	Verified; Not Recovered (@)
Lee	20-Dec	MSW19219	F	150 (est)	Manatee Bay	St. James City	Verified; Not Recovered (@)
Lee	20-Dec	MSW19220	M	245 (est)	Pine Island Soud	St. James City	Verified; Not Recovered (@)
Lee	20-Dec	MSW19221	U	275 (est)	Imperial River	Bonita Springs	Verified; Not Recovered (@)
Lee	20-Dec	MSW19222	U	185 (est)	Pine Island Soud	St. James City	Verified; Not Recovered (@)
Lee	21-Dec	MSW19223	M	300 (est)	Matlacha Pass	Matlacha	Verified; Not Recovered (@)
Lee	21-Dec	MSW19224	M	231	San Carlos Pass	Sanibel	Verified; Not Recovered (@)
Lee	21-Dec	MSW19225	M	250 (est)	Caloosahatchee River	Cape Coral	Verified; Not Recovered (@)
Sarasota	23-Dec	MSW19226	U	265 (est)	Myakka River	North Port	Verified; Not Recovered (@)
Sarasota	23-Dec	MSW19227	U	185 (est)	Forked Creek	Englewood	Verified; Not Recovered (@)
Lee	24-Dec	MSW19228	U	250 (est)	Gasparilla Sound	Placida	Verified; Not Recovered (@)
Lee	28-Dec	MSW19229	U	200 (est)	Charlotte Harbor	Punta Gorda	Verified; Not Recovered (@)
Lee	24-Dec	MSW19230	M	259	Orange River	Ft. Myers	Undetermined; Too Decomposed (+)
Lee	26-Dec	MSW19231	U	275 (est)	Estero Bay	Ft. Myers Beach	Verified; Not Recovered (@)
Lee	28-Dec	MSW19232	F	200 (est)	Jug Creek	Bokeelia	Verified; Not Recovered (@)
Lee	31-Dec	MSW19234	U	245 (est)	Caloosahatchee River	Cape Coral	Verified; Not Recovered (@)
Lee	31-Dec	MSW19235	F	250	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	31-Dec	MSW19173	F	258	Imperial River	Bonita Springs	Natural; Other (Red Tide)
Lee	28-Dec	MSW19236	U	275 (est)	San Carlos Bay	Ft. Myers	Verified; Not Recovered (@)

F Indicates a Field Necropsy was Performed.

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

Red Tide Positive = 20

Red Tide Suspect = 6

Red Tide Possible = 66

Red Tide Total = 92

(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.

(@) Red Tide Possible: Carcass reported within the known bloom boundary. Tissues not tested.

For a list of all 2019 carcasses to date, see:

<https://myfwc.com/research/manatee/rescue-mortality-response/statistics/mortality/2019/>.