

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
MARINE MAMMAL PATHOBIOLOGY LABORATORY
2018 Final Red Tide Manatee Mortalities, Jan 01 – December 31
Manatees Carcasses Collected Within the Known Red Tide Bloom Boundary

COUNTY	DATE	FIELD ID	SEX	SIZE (cm)	WATERWAY	LOCATION	CAUSE
Charlotte	4-Jan	MSW18002	F	228	Myakka River	North Port	Natural; Other (Red Tide)
Lee	4-Jan	MSW18003	M	225	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Collier	4-Jan	MSW18004	M	141	Gulf of Mexico	Marco Island	Perinatal; Undetermined (+)
Lee	5-Jan	MSW18005	M	298	Charlotte Harbor	Cape Coral	Natural; Other (Red Tide)
Lee	6-Jan	MSW18006	M	292	Matlacha Pass	Cape Coral	Natural; Other (Red Tide)
Charlotte	7-Jan	MSW18007	F	270	Charlotte Harbor	Placida	Natural; Other (Red Tide)
Lee	7-Jan	MSW18008	M	303	Matlacha Pass	Cape Coral	Natural; Other (Red Tide)
Lee	11-Jan	MSW18011	M	250	Matlacha Pass	Cape Coral	Natural; Other (Red Tide)
Lee	11-Jan	MSW18012	F	235	Matlacha Pass	Matlacha	Watercraft (+)
Lee	13-Jan	MSW18015 F	F	223	Imperial River	Bonita Springs	Natural; Cold Stress (%)
Charlotte	17-Jan	MSW18020 F	M	210	Myakka River	North Port	Undetermined; Too Decomposed (%)
Manatee	26-Jan	MNW18018	M	302	Anna Maria Sound	Bradenton	Undetermined; Too Decomposed (+)
Charlotte	6-Feb	MSW18035 F	M	217	Peace River	Punta Gorda	Natural; Other (%)
Charlotte	11-Feb	MSW18038 F	F	267	Charlotte Harbor	Punta Gorda	Natural; Other (Red Tide)
Lee	17-Feb	MSW18039 F	F	235	Charlotte Harbor	Boca Grande	Natural; Other (Red Tide)
Lee	17-Feb	MSW18040 F	F	163	Matlacha Pass	Cape Coral	Cold Stress (%)
Sarasota	18-Feb	MSW18041 F	F	239	Myakka River	North Port	Natural; Other (Red Tide)
Lee	18-Feb	MSW18042	F	279	Charlotte Harbor	Boca Grande	Natural; Other (Red Tide)
Lee	19-Feb	MSW18043 F	F	267	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	24-Feb	MSW18044	M	221	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	26-Feb	MSW18045	M	237	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	26-Feb	MSW18046 F	M	193	Pejuan Cove	Cayo Costa	Natural; Other (Red Tide)
Lee	27-Feb	MSW18047 F	F	225	Charlotte Harbor	Boca Grande	Undetermined; Too Decomposed (%)
Lee	2-Mar	MSW18048 F	F	268	Dinken Bayou	Sanibel	Undetermined; Too Decomposed (%)
Lee	3-Mar	MSW18050	F	326	Caloosahatchee River	Alva	Undetermined; Too Decomposed (%)
Lee	4-Mar	MSW18051	M	285	San Carlos Bay	Saint James City	Natural; Other (Red Tide)
Charlotte	4-Mar	MSW18052	F	225	Gasparilla Sound	Placida	Natural; Other (Red Tide)
Sarasota	5-Mar	MSW18053	M	250	Blackburn Bay	Nokomis	Natural; Other (Red Tide)
Charlotte	6-Mar	MSW18054 F	F	226	Bull Bay	Placida	Natural; Other (Red Tide)
Lee	6-Mar	MSW18055 F	F	236	Pine Island Sound	St. James City	Natural; Other (Red Tide)
Lee	11-Mar	MSW18057	M	173	Imperial River	Bonita Springs	Natural; Other (%)
Lee	13-Mar	MSW18059	M	245	San Carlos Bay	Sanibel	Natural; Other (Red Tide)
Lee	13-Mar	MSW18060 F	M	236	Pine Island Sound	Sanibel	Natural; Other (Red Tide)
Lee	15-Mar	MSW18061	M	217	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	19-Mar	MSW18064	M	204	San Carlos Bay	Ft. Myers Beach	Natural; Other (%)
Lee	19-Mar	MSW18065 F	M	158	Caloosahatchee River	Cape Coral	Natural; Other (%)
Lee	26-Mar	MSW18067 F	M	296	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	26-Mar	MSW18068	M	284	Caloosahatchee River	Punta Rassa	Natural; Other (Red Tide)
Lee	29-Mar	MSW18070	F	237	Gulf of Mexico	North Captiva Island	Natural; Other (Red Tide)
Lee	30-Mar	MSW18071	M	246	Back Bay	Bokeelia	Natural; Other (Red Tide)
Lee	2-Apr	MSW18073 F	F	271	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	4-Apr	MSW18074	F	292	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	4-Apr	MSW18075	F	260	Pine Island Sound	Sanibel	Verified; Not Recovered (*)
Charlotte	4-Apr	MSW18077	M	233	Gasparilla Sound	Placida	Undetermined; Too Decomposed (%)
Lee	4-Apr	MSW18078	M	312	Pine Island Sound	St. James City	Natural; Other (Red Tide)
Lee	5-Apr	MSW18079	M	302	Charlotte Harbor	Boca Grande	Natural; Other (Red Tide)

Lee	6-Apr	MSW18080	M	254	Gasparilla Sound	Boca Grande	Natural; Other (Red Tide)
Lee	6-Apr	MSW18081	M	331	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	6-Apr	MSW18082	U	266	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	7-Apr	MSW18083	F	264	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	9-Apr	MSW18084	F	350	Caloosahatchee River	Ft. Myers	Natural; Other (Red Tide)
Lee	9-Apr	MSW18086	M	266	Charlotte Harbor	Bokeelia	Natural; Other (Red Tide)
Lee	11-Apr	MSW18087	M	307	Charlotte Harbor	Boca Grande	Natural; Other (Red Tide)
Collier	11-Apr	MSW18088	M	245	Gulf of Mexico	Cape Romano	Verified; Not Recovered (*)
Charlotte	10-Apr	SWFTm1826B	M	205	Charlotte Harbor	Punta Gorda	Natural; Other (%)
Lee	10-Apr	SWFTm1827B	M	221	Blind Pass	Captiva	Natural; Other (%)
Lee	13-Apr	MSW18090	M	260	Pine Island Sound	Sanibel	Natural; Other (Red Tide)
Lee	13-Apr	MSW18091	M	215	Pine Island Sound	St. James City	Verified; Not Recovered (*)
Lee	14-Apr	MSW18092 F	F	245	Charlotte Harbor	Boca Grande	Natural; Other (Red Tide)
Lee	14-Apr	MSW18093	M	239	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Lee	15-Apr	MSW18094	F	245	Pine Island Sound	Captiva	Verified; Not Recovered (*)
Lee	16-Apr	MSW18095 F	F	221	Pine Island Sound	Captiva	Natural; Other (Red Tide)
Collier	17-Apr	MSW18096	U	280	Gulf of Mexico	Marco Island	Verified; Not Recovered (*)
Lee	17-Apr	MSW18097	F	230	Pine Island Sound	Captiva	Verified; Not Recovered (*)
Collier	17-Apr	MSW18098	U	250	Caxambas Pass	Marco Island	Verified; Not Recovered (*)
Lee	18-Apr	MSW18099	M	265	Pine Island Sound	St. James City	Natural; Other (Red Tide)
Collier	17-Apr	MSW18100	F	315	Faka Union Canal	Ports of the Islands	Natural; Other (Red Tide)
Collier	19-Apr	MSW18101 F	F	240	Gullivan Bay	Cape Romano	Natural; Other (Red Tide)
Lee	19-Apr	MSW18102	U	245	Punta Rassa Cove	Ft. Myers	Verified; Not Recovered (*)
Lee	20-Apr	MSW18103	U	260	Pine Island Sound	Captiva	Verified; Not Recovered (*)
Lee	21-Apr	MSW18104	U	290	Pine Island Sound	Upper Captiva	Verified; Not Recovered (*)
Lee	21-Apr	MSW18105 F	F	255	Clam Bayou	Sanibel	Natural; Other (Red Tide)
Lee	23-Apr	MSW18106	M	335	Pine Island Sound	Sanibel	Natural; Other (Red Tide)
Lee	23-Apr	MSW18107	M	331	Pine Island Sound	Sanibel	Natural; Other (Red Tide)
Lee	24-Apr	MSW18108	F	220	Estero Bay	Ft. Myers Beach	Natural; Other (Red Tide)
Collier	26-Apr	MSW18109 F	M	295	Rookery Bay	Naples	Natural; Other (Red Tide)
Collier	26-Apr	MSW18110	F	347	Gulf of Mexico	Naples	Natural; Other (Red Tide)
Lee	28-Apr	MSW18112	M	272	San Carlos Bay	Saint James City	Natural; Other (Red Tide)
Lee	28-Apr	MSW18113	F	152	San Carlos Bay	Punta Rassa	Natural; Other (%)
Lee	29-Apr	MSW18115	F	263	Imperial River	Bonita Springs	Natural; Other (Red Tide)
Lee	30-Apr	MSW18114	F	189	Estero River	Estero	Natural; Other (%)
Collier	1-May	MSW18116	M	285	Gulf of Mexico	Marco Island	Natural; Other (Red Tide)
Collier	1-May	MSW18117	F	275	Little Hickory Bay	Bonita Springs	Verified; Not Recovered (*)
Collier	2-May	MSW18118 F	M	270	Caxambas Pass	Marco Island	Natural; Other (Red Tide)
Lee	2-May	MSW18119	F	283	Estero Bay	Ft. Myers Beach	Natural; Other (Red Tide)
Collier	3-May	MSW18120	U	300	Fakahatchee Bay	Everglades City	Verified; Not Recovered (*)
Lee	6-May	MSW18122	U	290	Estero Bay	Bonita Springs	Verified; Not Recovered (*)
Charlotte	7-May	MSW18123	M	251	Charlotte Harbor	Boca Grande	Natural; Other (Red Tide)
Lee	7-May	MSW18124	M	98	Estero Bay	Ft. Myers Beach	Perinatal; Natural; Other (%)
Collier	9-May	MSW18126 F	M	160	Cocohatchee River	Naples	Undetermined; Too Decomposed (%)
Lee	7-May	MSW18128 F	F	246	Boca Grande Bayou	Boca Grande	Natural; Other (Red Tide)
Collier	10-May	MSW18130 F	F	273	Faka Union Canal	Port of the Islands	Undetermined; Too Decomposed (%)
Collier	11-May	MSW18131	F	263	Gullivan Bay	Marco Island	Natural; Other (Red Tide)
Lee	11-May	MSW18132	U	110	Back Bay	Bokeelia	Verified; Not Recovered (*)
Lee	11-May	MSW18133	F	303	Ten Mile Canal	San Carlos Park	Natural; Other (Red Tide)
Collier	16-May	MSW18137	F	302	Venetian Bay	Naples	Natural; Other (Red Tide)
Lee	22-May	MSW18140	U	260	Pine Island Sound	Captiva	Verified; Not Recovered (*)
Lee	24-May	MSW18141	F	248	San Carlos Pass	St. James City	Natural; Other (Red Tide)
Lee	23-May	MSW18144	M	285	Thunderbird Lake	Cape Coral	Verified; Not Recovered (+)

Lee	31-May	MSW18147	U	185	Tarpon Bay	Sanibel	Verified; Not Recovered (*)
Lee	2-Jun	MSW18149	F	344	Foster Bay	North Captiva Island	Natural; Other (Red Tide)
Charlotte	2-Jun	MSW18151	M	207	Gasparilla Sound	Placida	Undetermined; Too Decomposed (%)
Collier	10-Jun	MSW18155	M	318	Little Hickory Bay	Bonita Springs	Watercraft (+)
Lee	11-Jun	MSW18156 F	M	228	Jug Creek	Bokeelia	Undetermined; Too Decomposed (%)
Lee	12-Jun	MSW18157	M	204	Charlotte Harbor	Boca Grande	Natural; Other (Red Tide)
Lee	16-Jun	MSW18159	M	242	Pine Island Sound	Bokeelia	Natural; Other (Red Tide)
Lee	19-Jun	MSW18160	F	290	Pine Island Sound	St. James City	Natural; Other (Red Tide)
Charlotte	19-Jun	MSW18161	M	310	Gulf of Mexico	Rotonda	Undetermined; Too Decomposed (+)
Collier	22-Jun	MSW18162 F	F	339	Dollar Bay	Naples	Natural; Other (Red Tide)
Lee	24-Jun	MSW18165	F	416	Boca Grande Pass	Boca Grande	Undetermined; Too Decomposed (%)
Lee	26-Jun	MSW18166	F	318	Pine Island Sound	Cayo Costa	Natural; Other (Red Tide)
Lee	26-Jun	MSW18167	M	254	Pine Island Sound	Cayo Costa	Natural; Other (Red Tide)
Collier	26-Jun	MSW18168	U	292	Rock Creek	Naples	Verified; Not Recovered (*)
Collier	28-Jun	MSW18170	M	332	Sanctuary Sound	Marco Island	Undetermined; Too Decomposed (+)
Charlotte	30-Jun	MSW18172	M	302	Gasparilla Sound	Boca Grande	Natural; Other (Red Tide)
Sarasota	4-Jul	MSW18174	M	303	South Creek	Osprey	Undetermined; Too Decomposed (+)
Charlotte	6-Jul	MSW18176	F	187	Lemon Bay	Englewood	Natural; Other (%)
Collier	7-Jul	MSW18177	M	298	Sanctuary Sound	Marco Island	Undetermined; Too Decomposed (+)
Charlotte	10-Jul	MSW18178	M	332	Peace River	Port Charlotte	Natural; Other (Red Tide)
Charlotte	10-Jul	MSW18179	F	323	Charlotte Harbor	Placida	Natural; Other (Red Tide)
Charlotte	13-Jul	MSW18182	F	298	Lemon Bay	Englewood	Natural; Other (Red Tide)
Collier	13-Jul	MSW18183	F	235	Gullivan Bay	Marco Island	Natural; Other (Red Tide)
Sarasota	14-Jul	MSW18184	F	223	Forked Creek	Englewood	Natural; Other (Red Tide)
Collier	19-Jul	MSW18186	M	186	Rookery Bay	Naples	Natural; Other (Red Tide)
Lee	29-Jul	MSW18189	M	192	Caloosahatchee River	Cape Coral	Natural; Other (Red Tide)
Sarasota	30-Jul	MSW18190	F	313	Lemon Bay	Englewood	Natural; Other (Red Tide)
Lee	31-Jul	MSW18191	F	355	Caloosahatchee River	Cape Coral	Watercraft (+)
Sarasota	31-Jul	MSW18192	F	290	Lemon Bay	Englewood	Natural; Other (Red Tide)
Sarasota	1-Aug	SWFTm1844B	M	279	Lemon Bay	Placia	Natural; Other (Red Tide)
Charlotte	2-Aug	MSW18193	U	245	Gasparilla Sound	Placida	Verified; Not Recovered (*)
Lee	2-Aug	MSW18194	M	217	Fish Trap Bay	Bonita Springs	Natural; Other (Red Tide)
Sarasota	2-Aug	MSW18195	M	292	Lemon Bay	Venice	Watercraft (+)
Lee	3-Aug	MSW18197	F	232	Pine Island Sound	Upper Captiva	Undetermined; Too Decomposed (+)
Sarasota	3-Aug	MSW18198	F	290	Little Sarasota Bay	Sarasota	Natural; Other (Red Tide)
Lee	3-Aug	MSW18199	F	250	Matlacha Pass	Pine Island	Verified; Not Recovered (*)
Charlotte	4-Aug	MSW18200	M	268	Gasparilla Sound	Placida	Undetermined; Too Decomposed (+)
Sarasota	4-Aug	MSW18201	M	296	Lemon Bay	Englewood	Natural; Other (Red Tide)
Sarasota	5-Aug	MSW18203	M	214	Dona Bay	Venice	Natural; Other (Red Tide)
Sarasota	5-Aug	MSW18205	M	260	Little Sarasota Bay	Sarasota	Undetermined; Too Decomposed (+)
Charlotte	5-Aug	MSW18206 F	M	215	Placida Harbor	Placida	Natural; Other (Red Tide)
Lee	6-Aug	MSW18207	F	285	Matlacha Pass	Bokeelia	Natural; Other (Red Tide)
Sarasota	7-Aug	MSW18208	M	315	Lemon Bay	Manasota Key	Natural; Other (Red Tide)
Sarasota	7-Aug	MSW18209	M	239	Shakett Creek	Nokomis	Natural; Other (Red Tide)
Charlotte	8-Aug	MSW18210 F	F	330	Charlotte Harbor	Port Charlotte	Undetermined; Too Decomposed (+)
Collier	8-Aug	MSW18211	F	197	Johnson Bay	Naples	Natural; Other (Red Tide)
Lee	6-Aug	MSW18212	U	300	Foster Bay	North Captiva Island	Verified; Not Recovered (*)
Lee	8-Aug	MSW18213	U	300	Roosevelt Channel	Captiva	Verified; Not Recovered (*)
Collier	8-Aug	MSW18214	U	275	Johnson Bay	Naples	Verified; Not Recovered (*)
Manatee	9-Aug	MNW18095	F	317	Manatee River	Bradenton	Undetermined; Too Decomposed (+)
Lee	12-Aug	MSW18215	M	320	Gasparilla Sound	Boca Grande	Verified; Not Recovered (*)
Lee	13-Aug	MSW18216	M	131	San Carlos Bay	St. James City	Perinatal: Natural (Red Tide)
Charlotte	13-Aug	MSW18217	F	139	Ainger Creek	Englewood	Perinatal; Natural (%)

28 July 2020

Sarasota	13-Aug	MSW18218	M	327	Blackburn Bay	Nokomis	Natural; Other (Red Tide)
Lee	14-Aug	MSW18219	U	215	Pine Island Sound	Useppa Island	Verified; Not Recovered (*)
Sarasota	15-Aug	MSW18220	M	176	Phillippi Creek	Sarasota	Undetermined; Too Decomposed (+)
Manatee	16-Aug	MNW18098	F	278	Terra Ceia Bay	Palmetto	Undetermined; Too Decomposed (+)
Sarasota	16-Aug	MSW18221	M	298	Little Sarasota Bay	Osprey	Natural; Other (Red Tide)
Lee	17-Aug	MSW18222	F	258	Pine Island Sound	Cayo Costa	Natural; Other (Red Tide)
Sarasota	18-Aug	MSW18223	M	280	Phillipe Creek	Sarasota	Natural; Other (Red Tide)
Lee	18-Aug	MSW18224	F	278	San Carlos Bay	Sanibel	Natural; Other (Red Tide)
Lee	18-Aug	MSW18225	U	275	Matlacha Pass	St. James City	Verified; Not Recovered (*)
Lee	19-Aug	MSW18226	F	130	Caloosahatchee River	Cape Coral	Perinatal; Undetermined (%)
Collier	19-Aug	MSW18227	F	243	Tigertail Lagoon	Marco Island	Natural; Other (Red Tide)
Lee	19-Aug	MSW18228	M	229	Caloosahatchee River	Cape Coral	Natural; Other (Red Tide)
Sarasota	19-Aug	MSW18229	M	198	Blackburn Bay	Nokomis	Watercraft (+)
Sarasota	20-Aug	MSW18230	M	226	Shakett Creek	Nokomis	Natural; Other (Red Tide)
Lee	20-Aug	MSW18231 F	F	366	San Carlos Bay	St. James City	Natural; Other (Red Tide)
Lee	20-Aug	MSW18232 F	M	126	Caloosahatchee River	Cape Coral	Perinatal; Natural (Red Tide)
Collier	20-Aug	MSW18233 F	M	231	Tarpon Bay	Marco Island	Natural; Other (Red Tide)
Sarasota	21-Aug	MSW18234	F	290	Little Sarasota Bay	Sarasota	Natural; Other (Red Tide)
Collier	21-Aug	MSW18235 F	M	309	Smokehouse Bay	Marco Island	Natural; Other (Red Tide)
Collier	21-Aug	MSW18236 F	M	306	Sanctuary Sound	Marco Island	Natural; Other (Red Tide)
Manatee	21-Aug	MNW18100	U	200	Sarasota Bay	Cortez	Verified; Not Recovered (*)
Sarasota	22-Aug	MSW18237	F	286	South Creek	Osprey	Natural; Other (Red Tide)
Collier	22-Aug	MSW18238 F	F	256	Sanctuary Sound	Marco Island	Natural; Other (Red Tide)
Sarasota	23-Aug	MSW18239	F	319	Sarasota Bay	Longboat Key	Natural; Other (Red Tide)
Lee	23-Aug	MSW18240	U	215	Pine Island Sound	Captiva	Verified; Not Recovered (*)
Lee	23-Aug	MSW18241	U	275	Dinken Bayou	Sanibel	Verified; Not Recovered (*)
Lee	25-Aug	MSW18243	U	275	San Carlos Bay	Sanibel	Verified; Not Recovered (*)
Lee	25-Aug	MSW18244	U	180	San Carlos Bay	Saint James City	Verified; Not Recovered (*)
Sarasota	26-Aug	MSW18245	M	308	Dryman Bay	Osprey	Natural; Other (Red Tide)
Manatee	26-Aug	MNW18102	M	325	Anna Maria Sound	Holmes Beach	Natural; Other (Red Tide)
Sarasota	27-Aug	MSW18246	M	313	Dryman Bay	Osprey	Natural; Other (Red Tide)
Lee	27-Aug	MSW18247 F	F	356	Pine Island Sound	St. James City	Undetermined; Too Decomposed (+)
Lee	27-Aug	MSW18248	M	248	Tarpon Bay	Sanibel	Natural; Other (Red Tide)
Sarasota	28-Aug	MSW18249	M	328	Big Sarasota Pass	Sarasota	Natural; Other (Red Tide)
Lee	28-Aug	MSW18250	F	180	San Carlos Bay	Sanibel	Verified; Not Recovered (*)
Manatee	28-Aug	MNW18103	M	302	Tampa Bay	Anna Maria Island	Natural; Other (Red Tide)
Lee	28-Aug	MSW18251	F	308	Charlotte Harbor	Bokeelia	Natural; Other (Red Tide)
Sarasota	30-Aug	MSW18252	M	255	Little Sarasota Bay	Sarasota	Natural; Other (Red Tide)
Sarasota	30-Aug	MSW18253	M	308	Blackburn Bay	Osprey	Natural; Other (Red Tide)
Charlotte	30-Aug	MSW18254	F	211	Lemon Bay	Englewood	Natural; Other (Red Tide)
Collier	31-Aug	MSW18255	F	293	Big Marco Pass	Marco Island	Verified; Not Recovered (*)
Lee	31-Aug	MSW18256	U	215	Tarpon Bay	Sanibel	Verified; Not Recovered (*)
Manatee	31-Aug	MNW18104	M	274	Bowlees Creek	Bradenton	Natural; Other (Red Tide)
Manatee	31-Aug	MNW18105	U	270	Gulf of Mexico	Anna Maria Island	Verified; Not Recovered (*)
Sarasota	1-Sep	MSW18257	M	261	Lemon Bay	Venice	Natural; Other (Red Tide)
Sarasota	2-Sep	MSW18258	M	213	Little Sarasota Bay	Sarasota	Natural; Other (Red Tide)
Sarasota	2-Sep	MSW18259	F	263	Roberts Bay	Venice	Natural; Other (Red Tide)
Sarasota	2-Sep	MSW18260	F	140	Shakett Creek	Nokomis	Perinatal; Natural (+)
Lee	2-Sep	MSW18261	F	258	Tarpon Bay	Sanibel	Natural; Other (Red Tide)
Lee	2-Sep	MSW18262	U	300	Pine Island Sound	Captiva	Verified; Not Recovered (*)
Manatee	2-Sep	MNW18106	F	301	Sarasota Bay	Bradenton	Natural; Other (Red Tide)
Collier	2-Sep	MSW18263	M	214	Addison Bay	Marco Island	Natural; Other (Red Tide)
Lee	4-Sep	MSW18265 F	M	172	Caloosahatchee River	North Ft. Myers	Natural; Other (%)

28 July 2020

Sarasota	4-Sep	MSW18266	M	230	Sarasota Bay	Sarasota	Natural; Other (Red Tide)
Sarasota	4-Sep	MSW18267	F	206	Roberts Bay	Venice	Verified; Not Recovered (*)
Manatee	6-Sep	MNW18107	M	247	Sarasota Bay	Longboat Key	Natural; Other (Red Tide)
Lee	7-Sep	MSW18268	F	230	Pine Island Sound	Captiva	Verified; Not Recovered (*)
Lee	8-Sep	MSW18269	F	320	Estero Bay	Ft. Myers Beach	Verified; Not Recovered (*)
Manatee	8-Sep	MNW18109	M	302	Sarasota Bay	Longboat Key	Natural; Other (Red Tide)
Manatee	9-Sep	MNW18111	U	305	Palma Sola Bay	Bradenton	Verified; Not Recovered (*)
Collier	9-Sep	MSW18272	F	261	Collier Bay	Marco Island	Natural; Other (Red Tide)
Lee	10-Sep	MSW18273	F	273	Pine Island Sound	Captiva	Undetermined; Too Decomposed (%)
Manatee	10-Sep	MNW18112	U	305	Sarasota Bay	Longboat Key	Verified; Not Recovered (*)
Collier	12-Sep	MSW18275	F	296	Gulf of Mexico	Marco Island	Natural; Other (Red Tide)
Collier	13-Sep	MSW18276	U	360	Gulf of Mexico	Marco Island	Verified; Not Recovered (*)
Collier	14-Sep	MSW18278	F	298	Collier Bay	Marco Island	Natural; Other (Red Tide)
Charlotte	18-Sep	MSW18279	M	323	Gulf of Mexico	Placida	Natural; Other (Red Tide)
Sarasota	18-Sep	MSW18280	M	335	Gulf of Mexico	Venice	Natural; Other (Red Tide)
Charlotte	18-Sep	MSW18281	M	337	Gulf of Mexico	Englewood	Natural; Other (Red Tide)
Collier	19-Sep	MSW18282	U	245	Factory Bay	Marco Island	Verified; Not Recovered (*)
Sarasota	18-Sep	MSW18283	M	288	Gulf of Mexico	Englewood	Natural; Other (Red Tide)
Pinellas	19-Sep	MNW18117	F	299	Clearwater Harbor	Clearwater	Natural; Other (Red Tide)
Charlotte	19-Sep	MSW18284	M	222	Lemon Bay	Englewood	Natural; Other (Red Tide)
Charlotte	19-Sep	MSW18285	U	245	Gulf of Mexico	Palm Island	Verified; Not Recovered (*)
Charlotte	20-Sep	MSW18286	M	260	Gulf of Mexico	Englewood	Natural; Other (Red Tide)
Lee	20-Sep	MSW18287	U	155	Gulf of Mexico	Bonita Springs	Verified; Not Recovered (*)
Collier	20-Sep	MSW18288	U	300	Tarpon Bay	Marco Island	Verified; Not Recovered (*)
Charlotte	22-Sep	MSW18289	M	305	Lemon Bay	Englewood	Natural; Other (Red Tide)
Sarasota	22-Sep	MSW18290	M	290	Little Sarasota Bay	Osprey	Natural; Other (Red Tide)
Sarasota	23-Sep	MSW18291	M	261	Sarasota Bay	Sarasota	Natural; Other (Red Tide)
Lee	25-Sep	MSW18293	F	305	Gulf of Mexico	Boca Grande	Verified; Not Recovered (*)
Lee	25-Sep	MSW18294	F	281	Estero Bay	Ft. Myers Beach	Natural; Other (Red Tide)
Lee	25-Sep	MSW18296	M	295	Estero Bay	Bonita Springs	Natural; Other (Red Tide)
Lee	26-Sep	MSW18298	F	218	Caloosahatchee River	Punta Rassa	Natural; Other (Red Tide)
Lee	26-Sep	MSW18299	U	230	San Carlos Bay	Sanibel	Verified; Not Recovered (*)
Lee	27-Sep	MSW18300	M	346	Charlotte Harbor	Placida	Watercraft (+)
Sarasota	27-Sep	MSW18301	F	260	Blackburn Bay	Osprey	Natural; Other (Red Tide)
Pinellas	28-Sep	MNW18118	M	145	Riviera Bay	St. Petersburg	Perinatal; Undetermined (%)
Sarasota	28-Sep	MSW18302	M	280	Dryman Bay	Osprey	Verified; Not Recovered (*)
Sarasota	29-Sep	MSW18303	M	288	Dona Bay	Nokomis	Natural; Other (Red Tide)
Sarasota	29-Sep	MSW18305	M	296	Blackburn Bay	Osprey	Natural; Other (Red Tide)
Sarasota	29-Sep	MSW18306	M	304	Dona Bay	Nokomis	Natural; Other (Red Tide)
Pinellas	29-Sep	MNW18119	F	290	Clearwater Harbor	Clearwater	Natural; Other (Red Tide)
Pinellas	1-Oct	MNW18120	F	222	Boca Ciega Bay	Redington Shores	Natural; Other (Red Tide)
Lee	2-Oct	MSW18307	M	312	San Carlos Bay	Sanibel	Natural; Other (Red Tide)
Lee	2-Oct	MSW18308	U	180	Shell Creek	Punta Rassa	Verified; Not Recovered (*)
Pinellas	2-Oct	MNW18121	M	286	Boca Ciega Bay	Treasure Island	Natural; Other (Red Tide)
Lee	3-Oct	MSW18309	M	310	San Carlos Bay	Sanibel	Verified; Not Recovered (*)
Sarasota	4-Oct	MSW18310	M	335	Little Sarasota Bay	Sarasota	Verified; Not Recovered (*)
Martin	5-Oct	MSE18073	M	284	Indian River	Stuart	Natural; Other (Red Tide)
Sarasota	5-Oct	MSW18311	F	312	Sarasota Bay	Sarasota	Natural; Other (Red Tide)
Pinellas	6-Oct	MNW18123	M	277	Clearwater Harbor	Largo	Natural; Other (Red Tide)
Lee	6-Oct	MSW18312	F	220	San Carlos Bay	St. James City	Natural; Other (Red Tide)
Lee	9-Oct	MSW18313	U	245	San Carlos Bay	St. James City	Verified; Not Recovered (*)
Lee	9-Oct	MSW18314	M	305	Roosevelt Channel	Captiva	Verified; Not Recovered (*)
Lee	12-Oct	MSW18316	U	295	San Carlos Bay	Sanibel	Verified; Not Recovered (*)

28 July 2020

Lee	13-Oct	MSW18317	U	245	San Carlos Bay	St. James City	Verified; Not Recovered (*)
Pinellas	13-Oct	MNW18127	M	272	Boca Ciega Bay	St. Petersburg	Natural; Other (Red Tide)
Pinellas	14-Oct	MNW18128	F	273	McKay Creek	Largo	Natural; Other (Red Tide)
Pinellas	13-Oct	MNW18129	M	338	Soldier Hole	St. Petersburg	Undetermined; Too Decomposed (+)
Pinellas	14-Oct	MNW18130	F	261	Long Bayou	St. Petersburg	Natural; Other (Red Tide)
Pinellas	18-Oct	MNW18131	M	311	Boca Ciega Bay	St. Petersburg	Natural; Other (Red Tide)
Pinellas	18-Oct	MNW18132	M	248	Boca Ciega Bay	St. Petersburg	Natural; Other (Red Tide)
Pinellas	19-Oct	MNW18133	M	216	Long Bayou	St. Petersburg	Natural; Other (Red Tide)
Lee	20-Oct	MSW18318 F	F	255	Pine Island Sound	St. James City	Natural; Other (Red Tide)
Pinellas	29-Oct	MNW18136	M	284	Boca Ciega Bay	St. Pete Beach	Natural; Other (Red Tide)
Pinellas	29-Oct	MNW18138	M	238	Mullet Key Bayou	St. Petersburg	Natural; Other (Red Tide)
Pinellas	30-Oct	MNW18139	M	342	Boca Ciega Bay	St. Petersburg	Natural; Other (Red Tide)
St. Lucie	30-Oct	MSE18077	M	269	Indian River	Ft. Pierce	Natural; Other (Red Tide)
Pinellas	31-Oct	MNW18140	M	166	Stevenson Creek	Clearwater	Undetermined; Too Decomposed (+)
Indian River	1-Nov	MEC18131	F	235	Indian River	Vero Beach	Natural; Other (Red Tide)
St. Lucie	2-Nov	MSE18079	F	345	Indian River Lagoon	Ft. Pierce	Natural; Other (Red Tide)
Hillsborough	3-Nov	MNW18142	M	117	Old Tampa Bay	Tampa	Perinatal; Natural (%)
Manatee	5-Nov	MNW18143	F	229	Palma Sola Bay	Bradenton	Natural; Other (Red Tide)
Lee	7-Nov	MSW18320 F	M	99	Estero Bay	Ft. Myers Beach	Perinatal; Undetermined (%)
Sarasota	13-Nov	MSW18322	M	300	Lemon Bay	Englewood	Verified; Not Recovered (*)
Pinellas	14-Nov	MNW18150	M	280	St. Joseph Sound	Dunedin	Natural; Other (Red Tide)
St. Lucie	15-Nov	MSE18081	M	249	Indian River	Stuart	Natural; Other (Red Tide)
Charlotte	16-Nov	MSW18324	M	298	Lemon Bay	Englewood	Natural; Other (Red Tide)
Pinellas	17-Nov	MNW18151	M	290	Tampa Bay	St. Petersburg	Natural; Other (Red Tide)
Lee	18-Nov	MSW18325	M	212	San Carlos Bay	Sanibel	Natural; Other (Red Tide)
Pinellas	29-Nov	MNW18155	M	284	Boca Ciega Bay	St. Petersburg	Natural; Other (Red Tide)
Pinellas	30-Nov	MNW18156	F	140	Boca Ciega Bay	Redington Beach	Perinatal; Undetermined (%)
Collier	5-Dec	MSW18331 F	F	292	Caxambas Bay	Marco Island	Undetermined; Too Decomposed (+)
Pinellas	8-Dec	MNW18158	M	232	Clearwater Harbor	Belleair Beach	Natural; Other (Red Tide)
Collier	19-Dec	MSW18338	F	320	Sanctuary Sound	Marco Island	Natural; Other (Red Tide)

F Indicates a Field Necropsy was Performed.

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

Red Tide Positive = 177

Red Tide Suspect = 111

Red Tide Total = 288

(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.

Carcasses that were “verified; not recovered” but listed as red tide suspect were reported within 10 miles and one week of other carcasses that were diagnosed as red tide-related through necropsy and sample testing.