

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION
MARINE MAMMAL PATHOBIOLOGY LABORATORY
1996 Final Red Tide Manatee Mortalities

14 March 2008

Manatee Carcasses Collected Within the Known Red Tide Bloom Boundary.

COUNTY	DATE	FIELD ID	SEX	SIZE	WATERWAY	LOCATION	CAUSE
Charlotte	05-Mar-96	MSW9635	M	310	Gulf of Mexico	Don Pedro Island	Natural; Other (*)
Charlotte	06-Mar-96	MSW9636	M	315	Gasparilla Sound	Placida	Natural; Other (*)
Charlotte	06-Mar-96	MSW9637	M	291	Charlotte Harbor	Placida	Undetermined; Decomposed (*)
Collier	07-Mar-96	MSW9638	F	173	Caxambas Pass	Marco Island	Undetermined; Other (*)
Lee	09-Mar-96	MSW9639	M	281	Charlotte Harbor	Boca Grande	Natural; Other (*)
Lee	09-Mar-96	MSW9640	M	277	Big Carlos Pass	Ft. Myers Beach	Natural; Other (*)
Lee	10-Mar-96	MSW9641	F	291	Matanzas Pass	Ft. Myers Beach	Natural; Other (*)
Charlotte	11-Mar-96	MSW9643	M	296	Gasparilla Sound	Placida	Natural; Other (*)
Sarasota	12-Mar-96	MSW9644	F	285	Lemon Bay	Englewood	Natural; Other (*)
Collier	12-Mar-96	MSW9645	M	313	Sanctuary Sound	Marco Island	Natural; Other (*)
Sarasota	12-Mar-96	MSW9646	M	289	Lemon Bay	Englewood	Natural; Other (*)
Collier	12-Mar-96	MSW9647	F	297	Caxambas Pass	Marco Island	Natural; Other (*)
Collier	12-Mar-96	MSW9648	F	316	Gullivan Bay	Goodland	Undetermined; Decomposed (*)
Lee	12-Mar-96	MSW9649	M	302	Pine Island Sound	Sanibel	Natural; Other (*)
Lee	12-Mar-96	MSW9650	M	289	Charlotte Harbor	Cayo Costa	Natural; Other (*)
Lee	12-Mar-96	MSW9651	F	271	Matlacha Pass	Matlacha	Natural; Other (*)
Lee	13-Mar-96	MSW9652	M	300	Caloosahatchee River	Ft. Myers	Natural; Other (*)
Lee	13-Mar-96	MSW9653	F	316	Caloosahatchee River	Ft. Myers	Natural; Other (*)
Lee	13-Mar-96	MSW9654	M	281	Caloosahatchee River	Cape Coral	Natural; Other (*)
Lee	13-Mar-96	MSW9655	F	243	Orange River	Ft. Myers	Undetermined; Decomposed (*)
Lee	13-Mar-96	MSW9656	F	306	Orange River	Ft. Myers	Undetermined; Decomposed (*)
Lee	13-Mar-96	MSW9657	M	285	Caloosahatchee River	Ft. Myers	Natural; Other (*)
Lee	13-Mar-96	MSW9658	M	276	Caloosahatchee River	Cape Coral	Natural; Other (*)
Lee	13-Mar-96	MSW9660	F	274	Pine Island Sound	St. James City	Natural; Other (*)
Lee	13-Mar-96	MSW9663	F	325	Charlotte Harbor	Punta Gorda	Natural; Other (*)
Lee	14-Mar-96	MSW9661	F	294	Caloosahatchee River	Ft. Myers	Natural; Other (*)
Charlotte	14-Mar-96	MSW9662	F	191	Peace River	Port Charlotte	Natural; Other (*)
Lee	14-Mar-96	MSW9664	M	321	Matlacha Pass	Matlacha	Natural; Other (*)
Lee	14-Mar-96	MSW9665	M	245	Gasparilla Sound	Boca Grande	Natural; Other (*)
Lee	14-Mar-96	MSW9666	M	195	Caloosahatchee River	Ft. Myers	Undetermined; Decomposed (*)
Sarasota	15-Mar-96	MSW9667	M	288	Lemon Bay	Englewood	Natural; Other (*)
Lee	15-Mar-96	MSW9668	F	297	Caloosahatchee River	Cape Coral	Natural; Other (*)
Lee	15-Mar-96	MSW9669	M	273	Matlacha Pass	Pine Island	Natural; Other (*)
Charlotte	15-Mar-96	MSW9670	M	230	Charlotte Harbor	Placida	Natural; Other (*)
Lee	15-Mar-96	MSW9673	M	307	Matlacha Pass	Matlacha	Natural; Other (*)
Lee	16-Mar-96	MSW9671	F	268	Caloosahatchee River	Ft. Myers	Natural; Other (*)
Lee	16-Mar-96	MSW9672	M	285	San Carlos Bay	Ft. Myers Beach	Natural; Other (*)
Lee	16-Mar-96	MSW9674	F	295	Pine Island Sound	Sanibel	Undetermined; Decomposed (*)
Charlotte	16-Mar-96	MSW9675	M	244	Charlotte Harbor	Punta Gorda	Natural; Other (*)
Lee	16-Mar-96	MSW9676	M	284	Pine Island Sound	Sanibel	Undetermined; Decomposed (*)
Lee	16-Mar-96	MSW9678	F	256	Orange River	Ft. Myers	Undetermined; Decomposed (*)
Lee	17-Mar-96	MSW9679	M	289	Orange River	Ft. Myers	Undetermined; Decomposed (*)
Lee	17-Mar-96	MSW9680	F	309	Caloosahatchee River	North Ft. Myers	Undetermined; Decomposed (*)
Lee	17-Mar-96	MSW9681	M	304	San Carlos Bay	Sanibel	Undetermined; Decomposed (*)
Lee	17-Mar-96	MSW9682	M	220	Caloosahatchee River	Ft. Myers	Undetermined; Decomposed (*)
Collier	17-Mar-96	MSW9683	F	102	Faka Union Canal	Port of the Islands	Perinatal; Natural (*)
Lee	17-Mar-96	MSW9684	M	293	Caloosahatchee River	Ft. Myers	Undetermined; Decomposed (*)
Lee	18-Mar-96	MSW9685	F	240	Gulf of Mexico	Sanibel	Undetermined; Decomposed (*)
Lee	18-Mar-96	MSW9686	M	156	Caloosahatchee River	Ft. Myers	Natural; Other (*)
Collier	18-Mar-96	MSW9687	F	109.5	Faka Union Canal	Port of the Islands	Perinatal; Decomposed (*)
Lee	18-Mar-96	MSW9688	M	213	San Carlos Bay	Ft. Myers Beach	Undetermined; Decomposed (*)
Lee	19-Mar-96	MSW9689	M	245	Caloosahatchee River	Ft. Myers	Undetermined; Decomposed (*)
Lee	19-Mar-96	MSW9690	M	345	Caloosahatchee River	Cape Coral	Undetermined; Decomposed (*)
Sarasota	20-Mar-96	MSW9692	F	271	Lemon Bay	Englewood	Undetermined; Decomposed (*)
Collier	20-Mar-96	MSW9693	M	259	Faka Union Canal	Port of the Islands	Undetermined; Decomposed (*)
Collier	20-Mar-96	MSW9694	M	94	Faka Union Canal	Port of the Islands	Perinatal; Decomposed (*)
Collier	20-Mar-96	MSW9695	M	286	Gulf of Mexico	Naples	Undetermined; Decomposed (*)
Lee	20-Mar-96	MSW9697	M	288	Caloosahatchee River	Ft. Myers	Undetermined; Decomposed (*)
Lee	21-Mar-96	MSW9696	M	249	San Carlos Bay	Sanibel	Undetermined; Decomposed (*)
Collier	22-Mar-96	MSW96100	M	266	Roberts Bay	Marco Island	Natural; Other (*)
Charlotte	22-Mar-96	MSW96101	M	282	Charlotte Harbor	Punta Gorda	Undetermined; Decomposed (*)
Lee	22-Mar-96	MSW96102	M	208	Caloosahatchee River	Ft. Myers	Undetermined; Decomposed (*)
Lee	22-Mar-96	MSW9698	F	288	Caloosahatchee River	Cape Coral	Natural; Other (*)
Collier	22-Mar-96	MSW9699	F	273	Sanctuary Sound	Marco Island	Natural; Other (*)
Collier	23-Mar-96	MSW96103	M	268	Gullivan Bay	Goodland	Undetermined; Decomposed (*)
Lee	23-Mar-96	MSW96104	F	212	Caloosahatchee River	Cape Coral	Undetermined; Decomposed (*)
Lee	23-Mar-96	MSW96105	F	290	Charlotte Harbor	Bokeelia	Natural; Other (*)

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Collier	24-Mar-96	MSW96106	F	308	Johnson Bay	Marco Island	Natural; Other (*)
Charlotte	24-Mar-96	MSW96107	M	323	Gasparilla Sound	Boca Grande	Natural; Other (*)
Lee	24-Mar-96	MSW96108	M	200	Charlotte Harbor	Bokellia	Undetermined; Decomposed (*)
Collier	24-Mar-96	MSW96109	F	284	Addison Bay	Marco Island	Undetermined; Decomposed (*)
Lee	24-Mar-96	MSW96110	F	210	Pine Island Sound	St. James City	Undetermined; Decomposed (*)
Lee	24-Mar-96	MSW96113	M	352	Charlotte Harbor	Punta Gorda	Undetermined; Decomposed (*)
Sarasota	25-Mar-96	MSW96111	M	321	Blackburn Bay	Laurel	Natural; Other (*)
Lee	25-Mar-96	MSW96114	M	189	Caloosahatchee River	Ft. Myers	Undetermined; Decomposed (*)
Lee	25-Mar-96	MSW96115	M	298	Caloosahatchee River	Cape Coral	Undetermined; Decomposed (*)
Collier	26-Mar-96	MSW96116	F	255	Gulf of Mexico	Marco Island	Undetermined; Decomposed (*)
Lee	26-Mar-96	MSW96117	F	226	Tarpon Bay	Sanibel	Natural; Other (*)
Lee	26-Mar-96	MSW96118	M	235	Caloosahatchee River	Ft. Myers	Undetermined; Decomposed (*)
Lee	28-Mar-96	MSW96120	F	238	Hendry Creek	San Carlos Park	Natural; Other (*)
Charlotte	28-Mar-96	MSW96121	M	215	Charlotte Harbor	Punta Gorda	Undetermined; Decomposed (*)
Lee	29-Mar-96	MSW96123	F	246	Caloosahatchee River	Ft. Myers	Undetermined; Decomposed (*)
Lee	29-Mar-96	MSW96125	M	270	Ten Mile Canal	San Carlos Park	Undetermined; Decomposed (*)
Lee	30-Mar-96	MSW96122	M	301	Gulf of Mexico	Ft. Myers Beach	Undetermined; Decomposed (*)
Lee	30-Mar-96	MSW96124	M	306	Pine Island Sound	Captiva	Undetermined; Decomposed (*)
Collier	30-Mar-96	MSW96126	F	295	Tarpon Bay	Isles of Capri	Natural; Other (*)
Charlotte	30-Mar-96	MSW96127	M	286	Lemon Bay	Englewood	Natural; Other (*)
Lee	30-Mar-96	MSW96128	M	268	Charlotte Harbor	Cape Coral	Undetermined; Decomposed (*)
Collier	01-Apr-96	MSW96129	F	299	Caxambas Pass	Marco Island	Natural; Other (*)
Charlotte	01-Apr-96	MSW96130	M	293	Placida Harbor	Cape Haze	Natural; Other (*)
Collier	01-Apr-96	MSW96134	M	214	Roberts Bay	Marco Island	Natural; Other (*)
Lee	02-Apr-96	MSW96131	M	255	Pine Island Sound	Captiva	Natural; Other (*)
Collier	02-Apr-96	MSW96132	M	270	Smokehouse Bay	Marco Island	Undetermined; Decomposed (*)
Collier	02-Apr-96	MSW96133	F	276	Smokehouse Bay	Marco Island	Natural; Other (*)
Collier	02-Apr-96	MSW96135	M	207	Naples Bay	Naples	Natural; Other (*)
Lee	02-Apr-96	MSW96136	M	274	Estero Bay	Bonita Beach	Natural; Other (*)
Charlotte	02-Apr-96	MSW96143	M	312	Peace River	Harbor Heights	Undetermined; Decomposed (*)
Collier	03-Apr-96	MSW96137	F	273	Coon Key Pass	Goodland	Natural; Other (*)
Collier	03-Apr-96	MSW96138	F	293	Gullivan Bay	Goodland	Undetermined; Decomposed (*)
Collier	03-Apr-96	MSW96139	M	260	Gulf of Mexico	Port of the Islands	Undetermined; Decomposed (*)
Lee	03-Apr-96	MSW96140	U		Caloosahatchee River	Ft. Myers	Undetermined; Decomposed (*)
Collier	03-Apr-96	MSW96141	F	286	Barfield Bay	Marco Island	Undetermined; Decomposed (*)
Charlotte	03-Apr-96	MSW96142	M	328	Charlotte Harbor	Port Charlotte	Natural; Other (*)
Collier	04-Apr-96	MSW96144	M	297	Gullivan Bay	Goodland	Natural; Other (*)
Lee	04-Apr-96	MSW96145	M	312	Matlacha Pass	Pine Island	Natural; Other (*)
Collier	05-Apr-96	MSW96146	F	301.5	Johnson Bay	Marco Island	Natural; Other (*)
Collier	05-Apr-96	MSW96147	M	219	Gordon Pass	Naples	Undetermined; Other (*)
Collier	05-Apr-96	MSW96148	F	291	Barfield Bay	Marco Island	Undetermined; Decomposed (*)
Charlotte	06-Apr-96	MSW96149	F	316	Lemon Bay	Grove City	Natural; Other (*)
Lee	06-Apr-96	MSW96150	F	239	Imperial River	Bonita Springs	Undetermined; Decomposed (*)
Lee	06-Apr-96	MSW96151	M	234	Caloosahatchee River	N. Ft. Myers	Undetermined; Decomposed (*)
Charlotte	07-Apr-96	MSW96152	F	284	Gasparilla Sound	Placida	Natural; Other (*)
Lee	07-Apr-96	MSW96153	M	254	Matlacha Pass	Matlacha	Undetermined; Decomposed (*)
Lee	08-Apr-96	MSW96154	F	285	Orange River	Ft. Myers	Undetermined; Decomposed (*)
Collier	08-Apr-96	MSW96155	M	290	Sanctuary Sound	Marco Island	Undetermined; Decomposed (*)
Collier	08-Apr-96	MSW96156	M	158	Roberts Bay	Marco Island	Undetermined; Decomposed (*)
Lee	08-Apr-96	MSW96157	M	239	Estero Bay	Ft. Myers Beach	Undetermined; Decomposed (*)
Collier	09-Apr-96	MSW96158	M	307	Collier Bay	Marco Island	Natural; Other (*)
Lee	09-Apr-96	MSW96159	F	304	Matlacha Pass	Matlacha	Undetermined; Decomposed (*)
Collier	09-Apr-96	MSW96172	M	280	Sanctuary Sound	Marco Island	Undetermined; Decomposed (*)
Collier	10-Apr-96	MSW96160	F	320	Sanctuary Sound	Marco Island	Natural; Other (*)
Collier	10-Apr-96	MSW96161	F	211	Tarpon Bay	Marco Island	Natural; Other (*)
Collier	10-Apr-96	MSW96162	U	282	Caxambas Pass	Marco Island	Undetermined; Decomposed (*)
Lee	10-Apr-96	MSW96163	M	284	Pine Island Sound	Sanibel	Undetermined; Other (*)
Collier	10-Apr-96	MSW96164	M	295	Dismal Key Pass	Port of the Islands	Undetermined; Decomposed (*)
Collier	11-Apr-96	MSW96165	F	298	Sanctuary Sound	Marco Island	Natural; Other (*)
Lee	12-Apr-96	MSW96166	F	285	Caloosahatchee River	Cape Coral	Undetermined; Other (*)
Lee	13-Apr-96	MSW96167	M	310	Charlotte Harbor	Boca Grande	Natural; Other (*)
Collier	13-Apr-96	MSW96168	M	260	Roberts Bay	Marco Island	Undetermined; Other (*)
Collier	13-Apr-96	MSW96169	F	288	Gullivan Bay	Cape Romano	Natural; Other (*)
Collier	14-Apr-96	MSW96170	M	252	Gulf of Mexico	Marco Island	Natural; Other (*)
Collier	14-Apr-96	MSW96171	F	215	Gullivan Bay	Cape Romano	Natural; Other (*)
Lee	14-Apr-96	MSW96174	M	275	Pine Island Sound	Captiva	Undetermined; Decomposed (*)
Lee	16-Apr-96	MSW96173	F	273.5	Pine Island Sound	Sanibel	Natural; Other (*)
Lee	17-Apr-96	MSW96175	F	309	Caloosahatchee River	Ft. Myers	Natural; Other (*)

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Lee	19-Apr-96	MSW96176	M	268	Pine Island Sound	St. James City	Natural; Other (*)
Lee	20-Apr-96	MSW96177	F	224	Estero Bay	Ft. Myers Beach	Natural; Other (*)
Collier	20-Apr-96	MSW96178	F	149	Sanctuary Sound	Marco Island	Perinatal; Natural (*)
Lee	20-Apr-96	MSW96179	F	117	Caloosahatchee River	Cape Coral	Perinatal; Natural (*)
Lee	20-Apr-96	MSW96180	F	245	Big Carlos Pass	Ft. Myers Beach	Natural; Other (*)
Lee	21-Apr-96	MSW96184	F	230	San Carlos Bay	Ft. Myers	Undetermined; Decomposed (*)
Collier	22-Apr-96	MSW96182	M	144	Smokehouse Bay	Marco Island	Perinatal; Decomposed (*)
Lee	22-Apr-96	MSW96183	M	307	Matlacha Pass	Cape Coral	Undetermined; Decomposed (*)
Lee	25-Apr-96	MSW96185	M	295	San Carlos Bay	Ft. Myers	Natural; Other (*)
Collier	26-Apr-96	MSW96186	F	298	Gullivan Bay	Marco Island	Undetermined; Decomposed (*)
Collier	27-Apr-96	MSW96187	M	223	Gullivan Bay	Cape Romano	Undetermined; Decomposed (*)
Lee	27-Apr-96	MSW96188	M	260	Pine Island Sound	St. James City	Undetermined; Decomposed (*)
Collier	22-May-96	MSW96194	F	344	Gordon River	Naples	Natural; Other (*)
Lee	27-May-96	MSW96195	F	350	San Carlos Bay	Ft. Myers	Undetermined; Other (*)
Lee	16-Aug-96	MSW96219	F	297	Pine Island Sound	St. James City	Natural; Other (*)
Lee	14-Oct-96	MSW96228	M	314	Pine Island Sound	Captiva	Natural; Other (*)

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

Red Tide Positive = 0
Red Tide Suspect = 151
Red Tide Total = 151

(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.