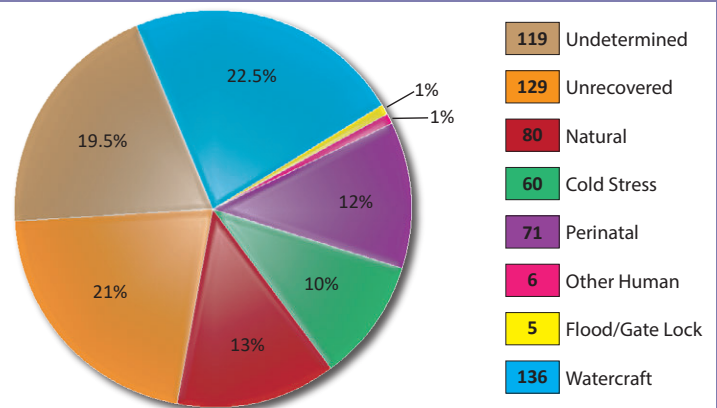


# 2019 Manatee Mortality Statistics

## 606 Confirmed Deaths

2019 Minimum Estimated Number of Manatees in Florida: 5,733\*



Mortality and Population Data Courtesy of the Florida Fish and Wildlife Conservation Commission

## Category Descriptions

### Cold Stress

- Manatee death caused by exposure to prolonged cold weather. Manatee is usually malnourished and emaciated.

### Watercraft

- Manatee hit by a boat, personal watercraft, barge, or other type of vessel. Death may result from propeller wounds, impact, crushing, or any combination of these.

### Perinatal

- Manatee less than 150 cm (5 feet) in total length, not determined to have died from human-related causes.

### Natural

- Manatee death resulting from infectious or non-infectious disease, birthing complication, natural accident, or other natural causes such as red tide toxicity.

### Other Human

- Manatee death caused by vandalism; poaching; pipe or culvert entrapment; entanglement in rope, line, or net; or ingestion of fishing gear or debris.

### Flood Gate/ Canal Lock

- Manatee killed by crushing or asphyxiation in flood gate or canal lock.

### Unrecovered

- Manatee death was verified, but the carcass was not recovered.

### Undetermined

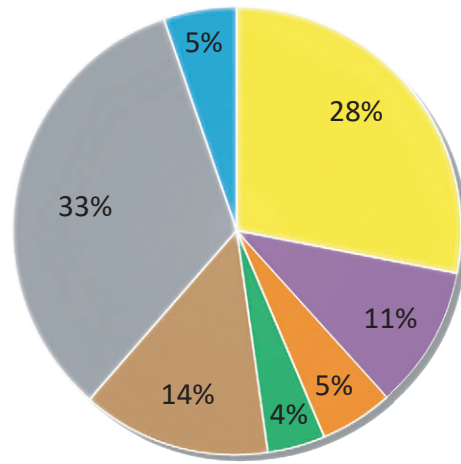
- Manatee death where the cause of death could not be determined due to decomposition or other reasons.

**Manatee Mortality Table with 5-year Summary**

Year	Watercraft	Flood/ Gate Lock	Other Human	Perinatal	Cold Stress	Natural	Unrecovered	Undetermined	Total
2019	136	5	6	71	60	80	129	119	606
2018	124	6	21	113	85	230	105	140	824
2017	111	3	15	117	30	93	26	143	538
2016	106	2	6	113	24	86	36	147	520
2015	86	5	11	91	18	44	31	119	405
2014	69	3	9	100	26	29	17	118	371
5 Yr Avg	99	3	12	106	36	96	43	132	531

\*Estimated Florida manatee population count was conducted January 28 to February 2, 2019.

# 2019 Manatee Rescue Statistics



- 5 Undetermined
- 32 Natural
- 13 Calf by Itself
- 4 Calf of Rescued Mother
- 5 Entrapment
- 10 Entanglement
- 27 Watercraft Collision

Rescue Data Courtesy of the Florida Fish and Wildlife Conservation Commission



Report injured, dead, tagged, or harassed manatees to the **Florida Fish and Wildlife Conservation Commission**, 24 hours a day, 7 days a week: call **1-888-404-3922**, text or email **tip@myfwc.com** on your mobile phone, or use **VHF Channel 16** on your marine radio. You can also download the free **FWC Reporter** app.

## If you see an injured manatee:

Immediately contact FWC and try to safely maintain visual contact with the manatee.

- It is important for biologists to know the exact location of the manatee.

Provide a good description or get a picture of the manatee.

- A good description or picture/video can help biologists better understand the manatee's condition.

DO NOT approach the manatee too closely.

- A distressed manatee may be more inclined to flee.

DO NOT attempt to disentangle or assist the manatee yourself.

- Trying to disentangle or assist a distressed manatee can cause injury to you and to the manatee. A biologist must assess the condition of the manatee and determine whether further medical treatment is necessary.

## Other ways to help manatees:

- Do not throw fishing line, hooks, or trash in the water.
- When boating, wear polarized sunglasses, obey posted speed zones, and stay in marked channels. Do not motor through seagrass.
- Don't touch or feed manatees, or give them water.
- Never separate a mother and her calf.
- Support manatee protection laws and initiatives.

Manatee rescue and rehabilitation efforts are accomplished by our various partners within the Manatee Rescue and Rehabilitation Partnership (MRP).



## Manatee Rescue Table with 5-Year Summary

Year	Watercraft	Entanglement	Entrapment	Other: Human	Calf of Rescued Mother	Calf by Itself	Mother of Rescued Calf	Natural	Undetermined	Total
2019	27	10	5	0	4	13	0	32	5	96
2018	25	18	28	2	5	15	1	35	5	134
2017	25	13	24	2	1	20	0	15	1	101
2016	30	14	22	1	7	11	1	30	5	121
2015	20	9	29	0	1	15	3	13	0	90
2014	16	8	4	2	1	8	1	24	2	66
5 Yr Avg	23	12	21	1	3	14	1	23	3	102