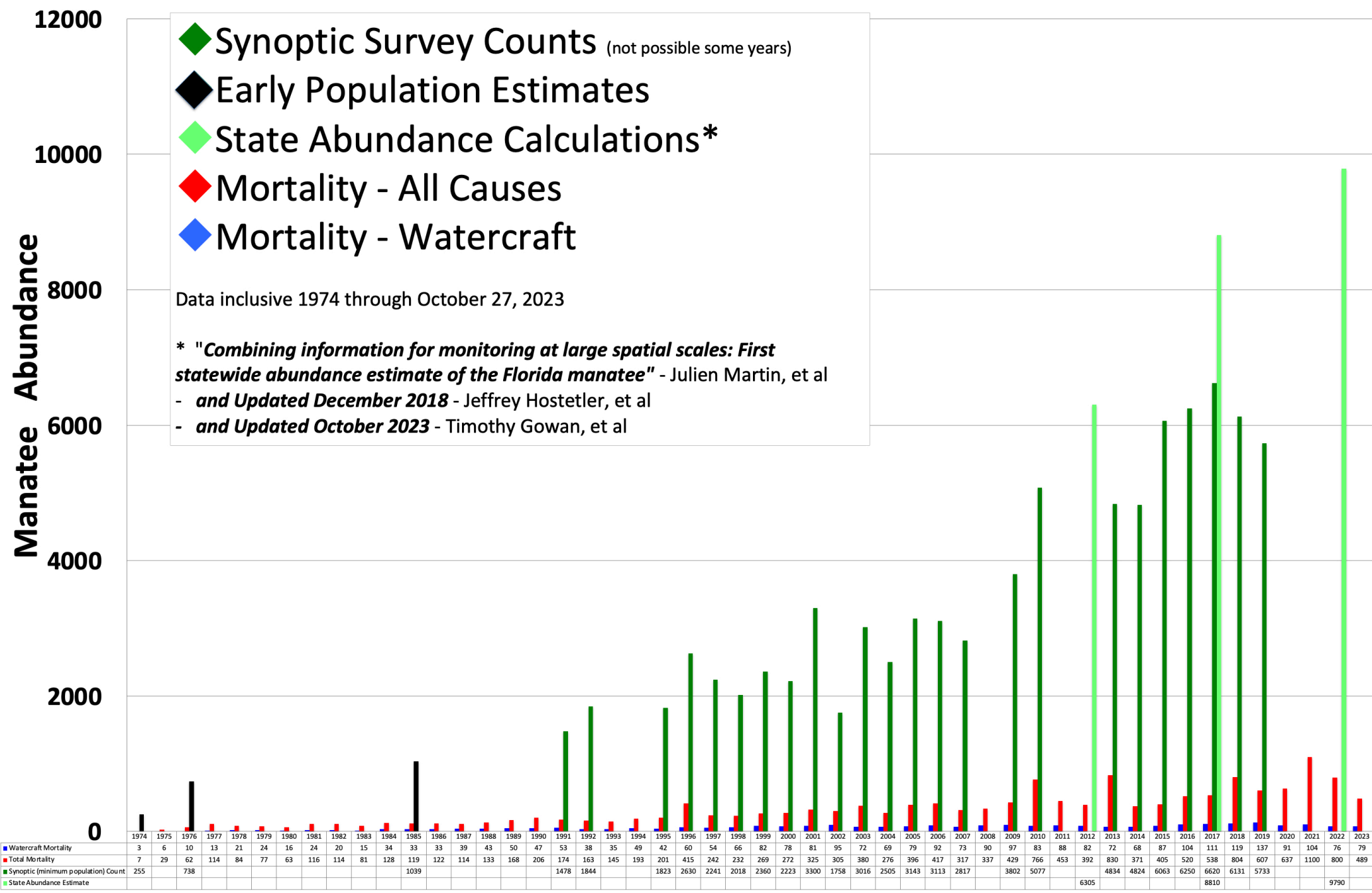


# 50 Years of Official Manatee Data

- ◆ Synoptic Survey Counts (not possible some years)
- ◆ Early Population Estimates
- ◆ State Abundance Calculations\*
- ◆ Mortality - All Causes
- ◆ Mortality - Watercraft

Data inclusive 1974 through October 27, 2023

\* *"Combining information for monitoring at large spatial scales: First statewide abundance estimate of the Florida manatee"* - Julien Martin, et al  
 - *and Updated December 2018* - Jeffrey Hostetler, et al  
 - *and Updated October 2023* - Timothy Gowan, et al



Year	Watercraft Mortality	Total Mortality	Synoptic (minimum population) Count	State Abundance Estimate
1974	3	7	255	
1975	6	29		
1976	10	62	738	
1977	13	114		
1978	21	84		
1979	24	77		
1980	16	63		
1981	24	116		
1982	20	114		
1983	15	81		
1984	34	128		
1985	33	119	1039	
1986	33	122		
1987	39	114		
1988	43	133		
1989	50	168		
1990	47	206		
1991	53	174	1478	
1992	38	163	1844	
1993	35	145		
1994	49	193		
1995	42	201	1823	
1996	60	415	2630	
1997	54	242	2241	
1998	66	232	2018	
1999	82	269	2360	
2000	78	272	2223	
2001	81	325	3300	
2002	95	305	1758	
2003	72	380	3016	
2004	69	276	2505	
2005	79	396	3143	
2006	92	417	3113	
2007	73	317	2817	
2008	90	337		
2009	97	429	3802	
2010	83	766	5077	
2011	88	453		
2012	82	392	6305	
2013	72	830	4834	
2014	68	371	4824	
2015	87	405	6063	
2016	104	520	6250	
2017	111	538	6620	8810
2018	119	804	6131	
2019	137	607	5733	
2020	91	637		
2021	104	1100		
2022	76	800	9790	
2023	79	489		

1974

1986

1998

2010

2023