





Sea Turtles and Venice Venice City Council Meeting

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Sea Turtle Conservation and Research Program



Sea Turtle Conservation & Research Program (STCRP)

- Formed in 1982
- Conducts sea turtle nesting surveys on 35 miles of beach
- Document and protect sea turtle nests and hatchlings from human impacts and interactions
- All sea turtle species are listed as endangered or threatened species



STCRP Funding Sources



- Mote: Aquarium funded by admission, Research operates on grants/contracts
- STCRP:
 - Nourishment endangered species monitoring for beach nourishment projects
 - Beach cleaning to ensure nests protected from mechanical raking
 - Non-nourishment
 - Fill in the gaps between nourishment cycles
 - Partnerships with local municipalities



What is a Sea Turtle Nesting Survey?



 Counting and marking sea turtle nests throughout the nesting season

- April 15-October 31
- Conducted daily at dawn
- Data used to asses the local population of nesting sea turtles
- Mote is only entity permitted by FWC for Venice nesting surveys

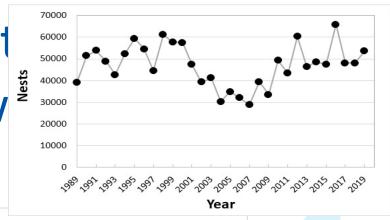


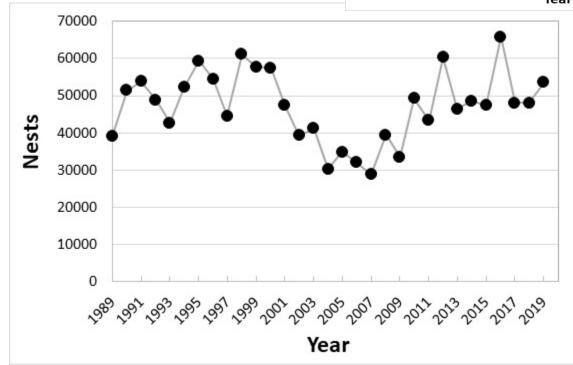
Services from Sea Turtle Nesting Surveys

- Staked nests allow equipment and vehicles to access the beach
 - Heavy machinery used for cleaning outfalls
 - Dead fish removal
 - Event setup
- Clean up after predators
- Education to residents and tourists
- Protection of a quintessential Venice beach symbol



Sea Steart TerMes Nest Number State-w

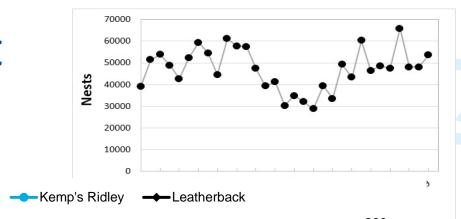


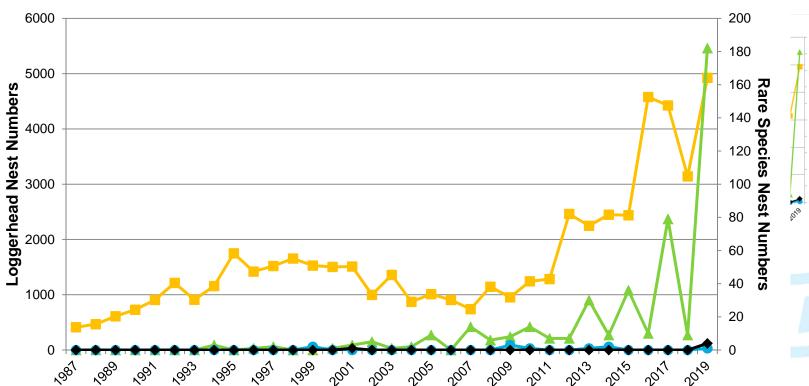




State-wide

Sea Turtle Nest Numbers Mote Beaches

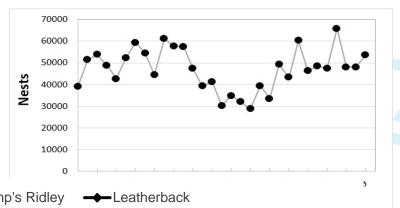


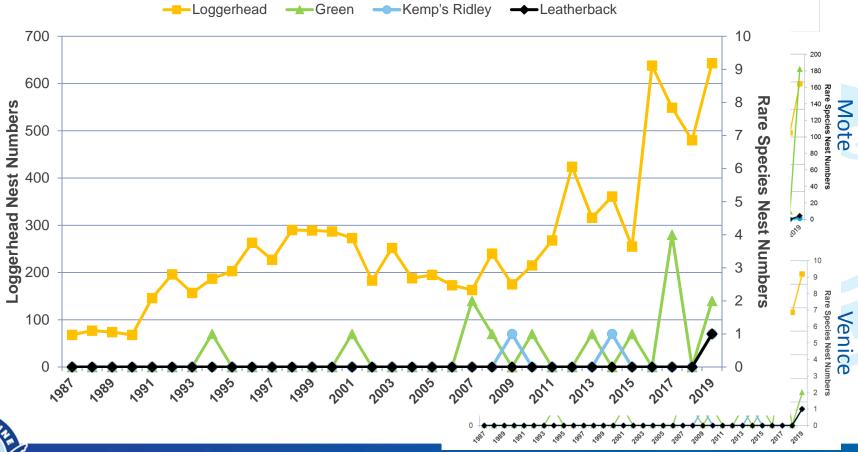




State-wide

Sea Turtle Nest Numbers Venice





State-wide

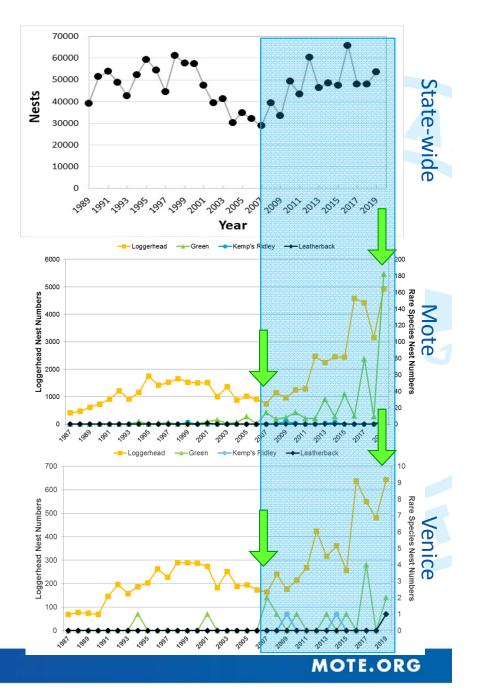
Sea Turtle Nest Numbers

Exponential increase in last decade

2007: 754 nests
 163 nests

• 2019: 5,112 nests 643 nests







STCRP Staff

- 4 full-time staff cover all 35 miles
- Extensive use of free labor
 - ~50 volunteers and 3 college interns on Venice alone
 - Unwilling/unable to complete all work unsupervised
- Staff must: schedule, train, coordinate daily assignments, be available for questions, ensure data quality, ensure adherence to FWC Marine Turtle Permit Protocols



Non-Staff Expenses

- Very small portion of overall costs
- Frugal with equipment
 - Reuse stakes year after year (even as they break); volunteer program at Grace Methodist Church dedicated to repainting stakes for reuse
 - Successfully keep ATVs functioning for 10 years, well beyond the general expected life for the conditions
 - Regularly applying for competitive grants







Partnership with City of Venice

- Continue strong partnership with City of Venice: 2020 request
- 2021-2024: Contract for covering sea turtle nesting survey costs in years between beach nourishment projects?
- Example: City of Sarasota (Lido Key) and Sarasota County (Siesta and Casey Keys)



2020 Partnership Cost



Real Cost

Unit Cost Unit Cost Task Mobilization 440.96 1 440.96 Meetings 250.000 399.123 1,197.36 **Reports Supplies** 3.50 647 2,264.60 368.12 156 \$ 57,426.72 **Staffing** Mileage 60.38 182 10,988.25 Subtotal \$ 72,317.89 Minus Sarasota County Beach Cleaning \$ 22,320.00 TOTAL Cost \$ 49,997.89

Partnership Reduced Cost

Task	Unit	Cost	Unit	Co	st
Mobilization	\$	185.67	1	\$	185.67
Meetings	\$	250.00	0	\$	-
Reports	\$	168.00	3	\$	504.00
Supplies	\$	3.50	647	\$	2,264.60
Staffing	\$	155.00	156	\$	24,180.00
Mileage	\$	60.38	182	\$	10,988.25
Subtotal				\$	38,122.52
Minus Sarasota County Beach Cleaning \$ 22					22 220 00
Cleaning					·
TOTAL Cost				\$	15,802.52



Thank You!



