

THANKS FOR KEEPING UP!

JULY 2021



CALLING ALL KEEPERS:

We need your help!

As of July 1st, anyone interested in volunteering with Keepers of the Coast will have access to the new Volunteer Job Board. There will be instructions on keepersofthecoast.net/get-involved where you will be asked to complete a volunteer application before accepting positions/duties for first-time volunteers. Tasks will range from helping us out at events to social media management, and content creation.

Interested in becoming a donor or sponsor of Keepers of the Coast?

We appreciate your interest! We think it's important to outline our current needs, and where your graciously donated funds are going.

- Maintain the costs of fees associated with our nonprofit status
- Maintain the costs of our website
- New beach tent canopy
- Increase our Marketing budget

- Increase our Future Event budget
- Add 10% of all donations and proceeds directly to the Keeper Fund

Make a one-time or monthly donation [here](#). We kindly ask those interested in sponsoring Keepers of the Coast to email info@keepersofthecoast.net

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KEEPER GEAR



CLICK TO SHOP!

KEEPERS OF THE COAST

NEW FACEBOOK PAGE:

Social media is one of the main ways we at Keepers use to communicate with our community (that's you!). Our first [facebook page](#) had over 3.5K followers- the largest of all our social platforms. Help us grow and reach as many Keepers as we can. [Connect with us](#) to stay updated on events, giveaways, and all things KOTC.

SIGN UP NOW:

Join us at Mickler beach from 9-11 AM on July 5, 2021 for "[The Day After](#)" cleanup. We can unfortunately expect larger than average amounts of trash following Independence Day. We encourage anyone interested in attending to visit our website or facebook page to let us know you'll be there! Please bring a receptacle for your trash- we can also provide you with one if you forget. No biggie!

There is a large public parking lot on sight. Dress for the weather. Water and sunscreen recommended.

Where Are the Males?

source blueocean.net

Sea turtles, like many reptiles, adhere to a unique process when it comes to determining their sex at birth. This process is known as Temperature-dependent Sex Determination (or TSD), a type of environmental sex determination in which the temperatures experienced during embryonic/larval development determine the sex of the offspring. A common follow-up question when many learn about this phenomenon is, how do the increasing global temperatures caused by climate change impact how these animals develop? From what scientists can tell, the results are highly skewed sex ratios. From the years 2015-2017, ZERO male hatchlings were observed on both the Atlantic and Gulf coast. For a broader view, in the last 13 years, 7 have produced only female sea turtles.

The typical female lays her first clutch of eggs at around 35 years old and will continue to do so every 3-5 years. Each female is able to lay 2-8 clutches, with upwards of 110 eggs each. We all know the saying, "1 in 1000" in terms of sea turtle hatchling survival. The high volume of eggs each female produces should counter the high mortality of her offspring, resulting in a healthy and balanced sea turtle population.

"The real problem will be if we have one, two, or three decades with no males."

This is a very vulnerable situation for the success of these species in the future. There is hope, and some evidence, of the animals adjusting to the warming climate and possibly changing their nesting habits. However, sea turtles are not known for adjusting well to new things (they've been doing everything so well for millions of years!). There is also no sign that the beaches or oceans are cooling down, making the work we all do to conserve and sustain our coastal environment increasingly important with each passing day.