

## Field Trip #3: March of the Mangroves Boat Tour

The World Meteorological Organization declared 2001-2010 the warmest decade on record; subsequent years since then have been recorded as the warmest years on record. St. Johns County has long been the ecotone for the mangrove-salt marsh interface. Historically, the most northern line of mangroves has waned as cold snaps hold them to their southern boundaries. The recent warming trend and the lack of hard freezes in the region have allowed mangroves to march north. This 3-hour boat trip will take you on the river to see firsthand just how far the Mangroves have marched from their historical locations.

Participants will meet at the marina, located at 111 Avenida Menendez, St Augustine, FL 32084. Trip A will leave promptly at 9:00am. Trip B will leave promptly at 1:00pm. **Please arrive 15 minutes prior to departure time.**

### PLEASE NOTE:

**Participants MUST attend the Trip (A or B) they registered for; we anticipate that each Trip will be full.**

**Participants could potentially get wet on the boat and should wear appropriate clothing and footwear.**



*Sunscreen and beverages will be provided.*



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| <b>DESTINATION:</b>          | Guana Tolomato Matanzas National Estuarine Research Reserve  |
| <b>ROUTE:</b>                | Travel by boat from St. Augustine Marina to local sights along the Tolomato River, then back to the Marina.  |
| <b>ROUTE LENGTH:</b>         | 36 miles round trip  |
| <b>DEPART/RETURN:</b>        | <u>Trip A:</u> Depart Marina at 9:00am – Arrive back at Marina at 12noon<br><u>Trip B:</u> Depart Marina at 1:00pm – Arrive back at Marina at 4:00pm |
| <b>TOTAL TRIP TIME:</b>      | 3 hours  |
| <b>FIELD TRIP CAPTAINS:</b>  | Matthew Monroe   |
| <b>SITE GUIDES:</b>          | Matthew Monroe   |
| <b>PROVIDED:</b>             | Field Trip Captain will supply beverages, sunscreen, and Personal Floatation Devices   |
| <b>MAXIMUM ATTENDANCE:</b>   | 7 people   |
| <b>DEADLINE TO REGISTER:</b> | June 24, 2016 or until trip is full.   |
| <b>COST TO PARTICIPATE:</b>  | \$35   |