

SHIP-GEO FIELD TRIP 2017 #3



DECEMBER 2, 2017 BOCA CHICA BEACH & MOUTH OF THE RIO GRANDE

On this trip we will take a 2.5 mile walk (5 mile round trip) to Boca Chica where the Rio Grande discharges into the Gulf of Mexico. During the walk, we will learn about coastal processes, and make observations on sediment transport, longshore currents and coastal erosion. Next we will walk to the rapidly eroding dunes, and have a unique opportunity to observe their internal stratification. Portions of the beach are covered with heavy minerals, black sand, which you will be able to collect. Also common on this beach are pumice, the only type of rocks that float! They were produced during underwater volcanic eruptions. If the tide permits, we will see the shipwreck of the Mexican warship -- Montezuma.

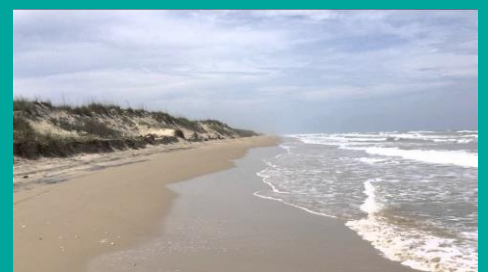
On the way to Boca Chica we will visit the rare wind tidal flats and clay dunes of south Texas, and have an opportunity to see algal mats.

The University of Texas
Rio Grande Valley

School of Earth, Environmental,
and Marine Sciences



**“Stimulating Hispanic Participation in the Geosciences”
(SHIP-GEO)**



**Transportation and lunch
are provided. Seats are
limited!**

**RSVP before 11/30 to
geosciences@listserv.utrgv.edu**

For more information about this
event, contact SHIP-GEO team
or visit:

www.utrgv.edu/geopaths

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