

Golden Tide: Sargassum Influx

FOR THE #GATORGOOD

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Sorting What is Sargassum?

There are two species of floating Sargassum seaweeds. They come in different forms. Here are the three most Sargassum

- Brown algae
- Sargasso Sea (traditionally) free floating, open ocean, Columbus voyage

Sargassum natans VIII

What are the Issues?

- Fish kills, low DO, smell, smothers seagrass/patch reefs, packs residential canals, closes marinas, clogs motors, smothers sea turtle nests
- Implication for Tourism HYDROGEN SULFIDE smell, dirty beaches, dirty water
- Essential fish habitat pelagic species like tuna, mackerel, American eel, mahi, flying fish nursery, loggerhead turtles
- Builds soil, prevents beach erosion BUT seawalls/jetties = sits/sinks/stinks







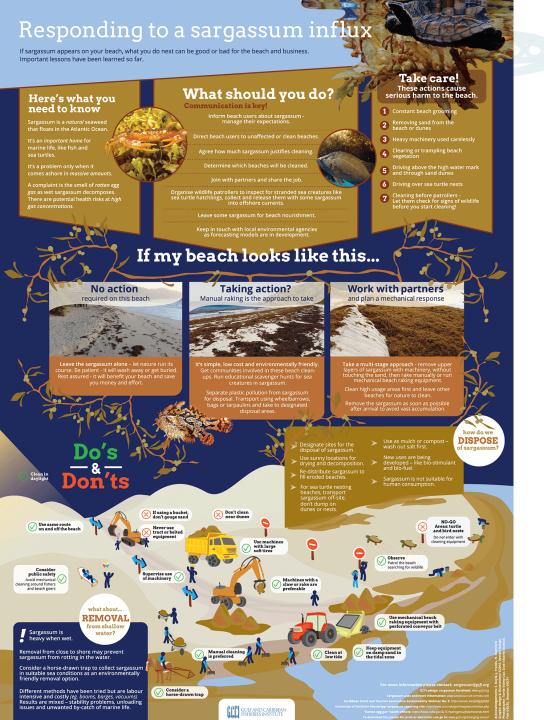












REGULATIONS

SAFMC – FEDERAL WATERS. Essential habitat. Fishery closed 2003.

369.20 FLORIDA AQUATIC WEED CONTROL ACT "No person or public entity shall control, eradicate, remove, or otherwise alter any aquatic weeds or plants in the waters of the state unless a permit for such activity has been issued by the FWC"

Land-based regulations??? Homeowner recommendations?

Mulch compost, biofuel, livestock/fish farms, fertilizer, baled and buried for dunes

PRESS RELEASE, AUGUST 2019

FUTURE

- New Normal?
- Seasonal, wind driven by S-SE Winds
 - Luckily motherlode occurs off-season
- Miami Beaches
 - Miami Herald:
 - All M-D beaches@\$45 million/year
 - Hot Spots@\$500K/month
- Monroe County: \$900,000 beach removal (2020 projected)
- Residential canals
- Disposal options?
- Composting, out to sea?



Miami Beach, August 2019. Pedro Portal *PPORTAL@MIAMIHERALD.COM*

