# Red Tide and Piney Update



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Director



### **Red Tide Planning Efforts**



### Red tide concentrations increased in Pinellas early June 2021

- Coordination
  - Internal
  - Contractor preparations
  - Local, state and federal partners
  - PCSO and USCG aerial surveys
- Red Tide monitoring and reporting
- Communications



# Red Tide Response



#### **Beach Operations**









#### **Waterway Operations**









### Red Tide Response: Current Status



Tons removed: 1776 tons (as of 8/4/2021) 3,552,000 pounds

300 FDOH red tide signs printed and distributed

FDEP Agreement: \$902,500

- Invoicing in progress (~\$2.1M expended to date)
- Requested additional funds

ILA with St. Petersburg: 8/24/2021 agenda

**Visit St. Pete Clearwater: Hotels record reservations** 

#### **Unknowns:**

- Water-based business impacts
- When will red tide end?





# **Piney Point Update**

### **What is Piney Point?**



Piney Point a former phosphate processing plant located in northern Manatee County.

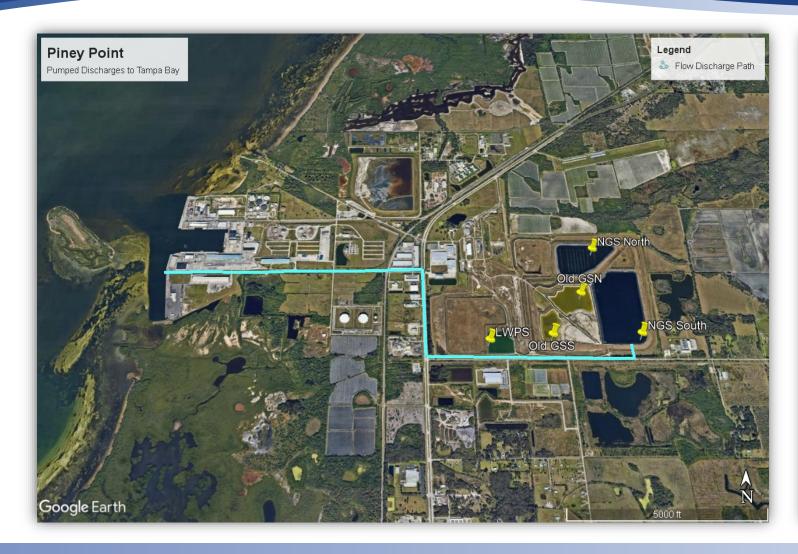
Built in 1966, the plant produced fertilizer until it abandoned in 2001 leaving phosphogypsum stacks holding millions of gallons of wastewater.

Phosphogypsum is a byproduct of the phosphate mining process and can be toxic to both humans and the environment.

An emergency release of wastewater from the stacks into Tampa Bay has occurred numerous times over the years; most recently April 2021 when 215 million gallons was discharged.

# Emergency Release: March 30 – April 9, 2021

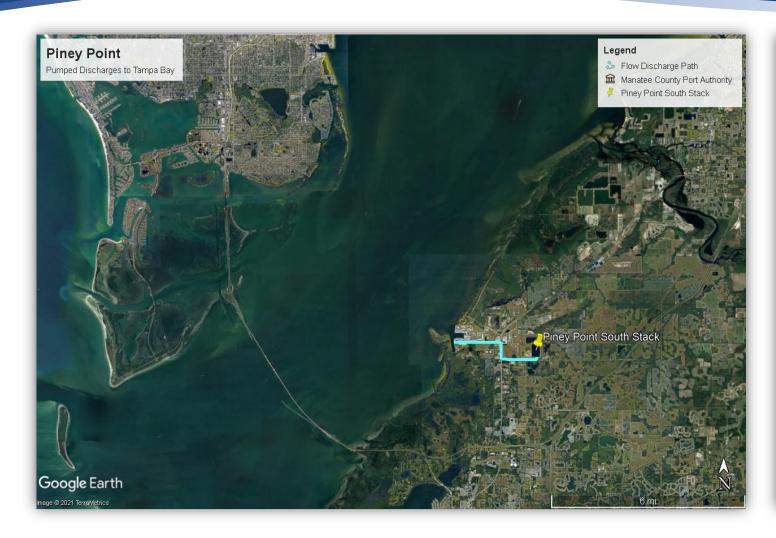


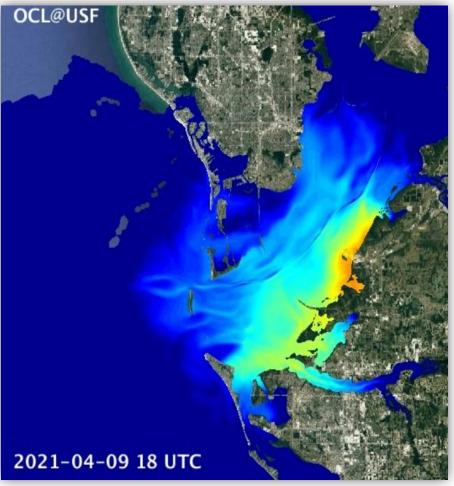




## Emergency Release: March 30 – April 9, 2021





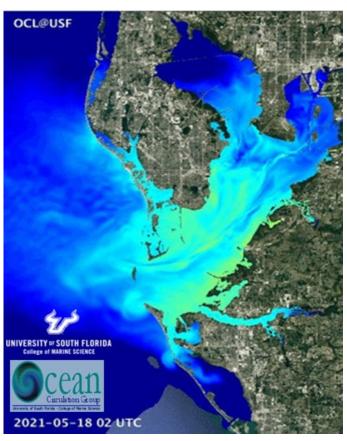


### May 2021

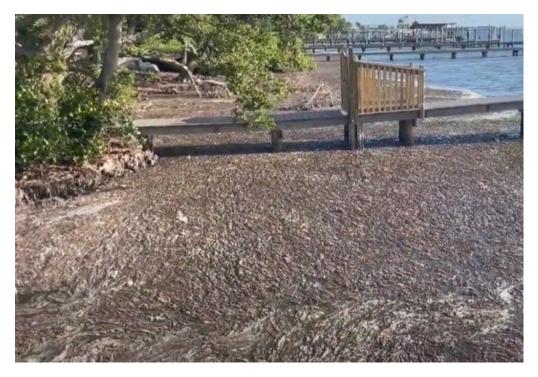




Trichodesmium
Indian Rocks Beach 5/12/2021

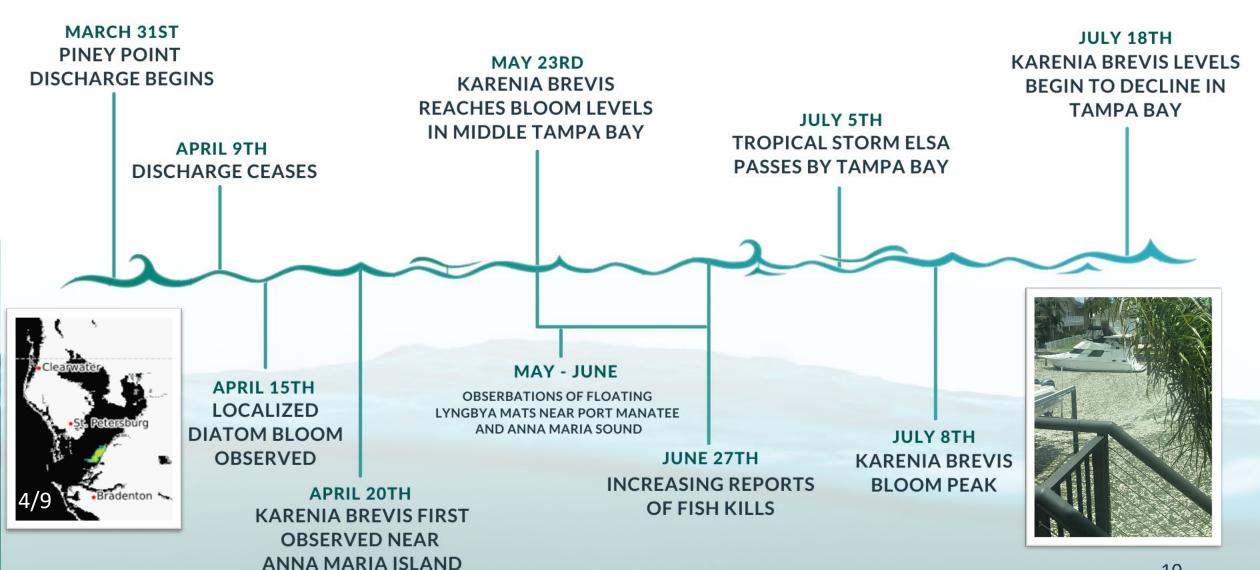


Model of Piney Point Discharge Plume



Lyngbya in Sarasota 5/27/2021

# PINEY POINT, RED TIDE & TAMPA BAY A DATA-DRIVEN TIMELINE



Source: Tampa Bay Estuary Program

### **Current Status on Piney Point Closure Process**



#### Proper closure requires treatment and disposal of wastewater

Onsite water management is critical

#### FDEP is currently reviewing a UIC well permit application

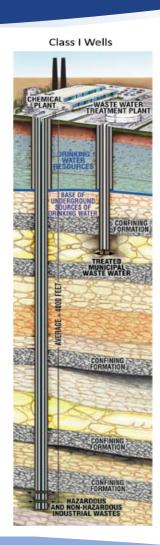
Class I Underground Injection Control (UIC) well

### How is this moving so quickly?

- 2014 UIC permit application was submitted
- Public input led to withdrawal of application
- Current permit application mirrors 2014 submittal

### If UIC permit is approved

- UIC well construction will take ~ 1year
- Test borings must meet approval criteria first



### **Current Status on Piney Point Closure Process**



### Closure construction design

- Planning is in process
- Geotechnical and engineering assessments

### The stacks cannot impound water long-term

 Proper closure includes creation of permitted stormwater facilities that attenuate and treat stormwater

#### **Future uses**

- Areas not currently in use may be redeveloped
- Current uses include industrial and heavy commercial



# Thank You



www.pinellascounty.org/publicworks www.pinellascounty.org/redtide www.pinellascounty.org/PineyPoint