LAVACA BAY COMMUNITY ADVISORY BOARD MEETING

October 25, 2021

Point Comfort, Texas

Welcome to the Meeting

Virtual Presentation Guidelines

- Devices on mute
- Questions via chat box or during designated times
- Estimated duration of 90 minutes

Our Time Together

- Introductions
- Point Comfort Facility Update
  - Q&A
- Review of Superfund Actions
  - Q&A
- USEPA 2021 Five-Year Review and Future Site Activities
  - Q&A
- Summary and Wrap-up

Point Comfort Operations: Location Update

Site Conditions and Management

- June 2016 - fully curtailed production, continued facility maintenance, and regularly evaluated economic conditions for potential restart.

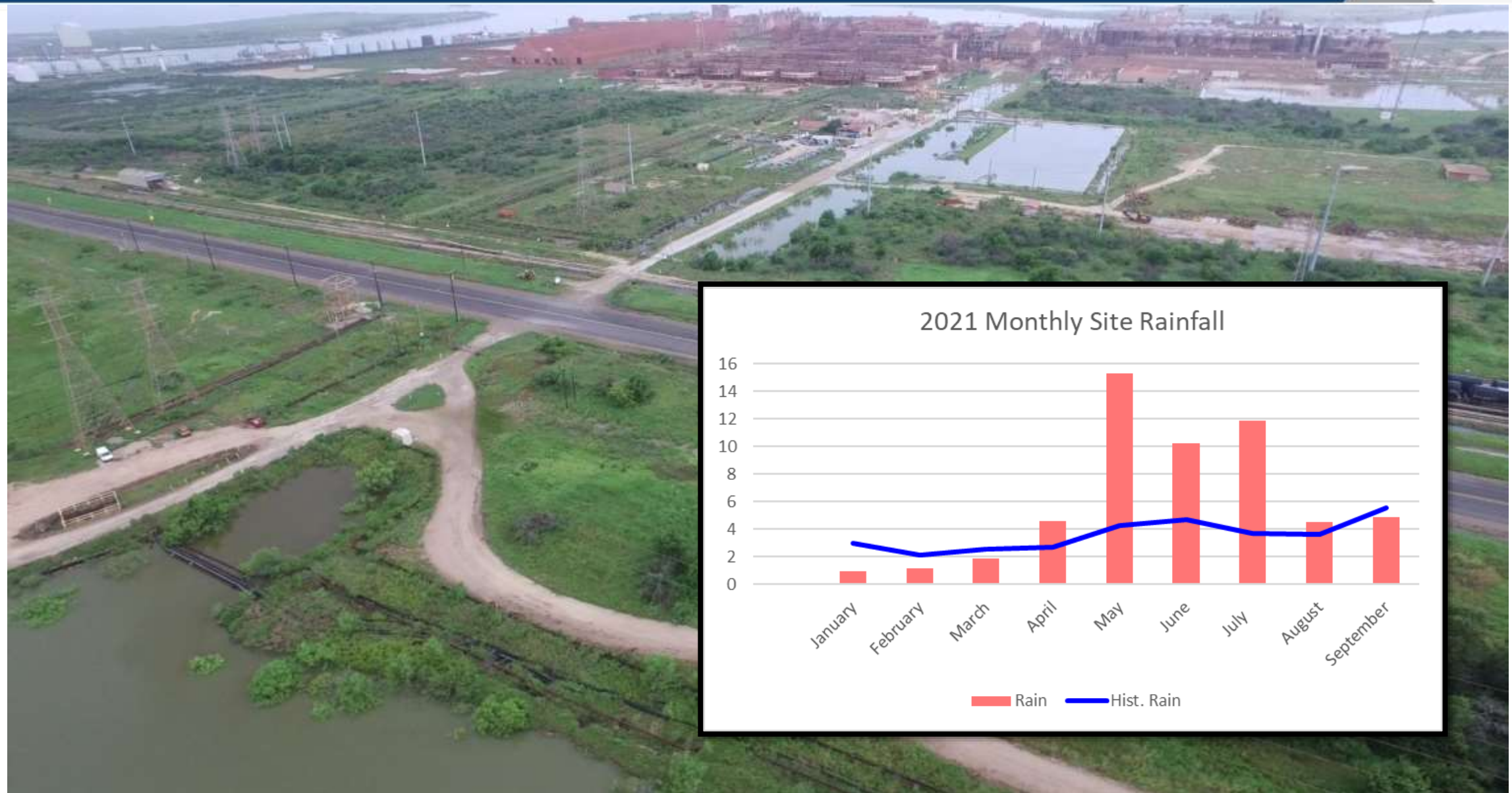
- December 2019 - Alcoa announced that the facility would permanently close.

- Land holdings, dock space and location near the CPA - the site has attracted significant interest from various industrial companies for redevelopment.

- Significant progress has occurred in 2021:
  - Demolition of site structures;
  - Reuse or recycle of equipment and materials (e.g., copper, steel, bauxite, etc.)
  - Cleanup of waste materials;
  - Closure of regulated waste units following TCEQ regulations and guidance, including the bauxite residue disposal areas.

Ongoing Activities at Alcoa, Point Comfort Operations

Site Water Management and Compliance



Refining and Chemicals Plant Demolition

LAVACA BAY SUPERFUND SITE

PROGRESS UPDATE

Key Areas of Interest

- Causeway Cove
- Witco Harbor & Marsh
- Witco Channel
- Mainland Shoreline #3 (MS3)
- CAPA

Overview

- Discharge of mercury-impacted wastewater from the Chlor-Alkali Process Area to Lavaca Bay 1966-70.
- Portion of Lavaca Bay closed by state in 1988; prohibits keeping of fish/shellfish;
- Site placed on NPL by US EPA in March 1994; Record of Decision in Dec 2001; Consent Decree in 2005.
- Second phase of community meetings began Nov 29, 2016; follow-up meetings were held May 16, 2017, May 10, 2018, and May 9, 2019.
- In 2019, as a supplement to their 2016 five-year review, US EPA determined the remedy provides short-term protectiveness to Lavaca Bay.
- Maintenance, monitoring and inspections continue as per approved plans; corrective actions are conducted as required.

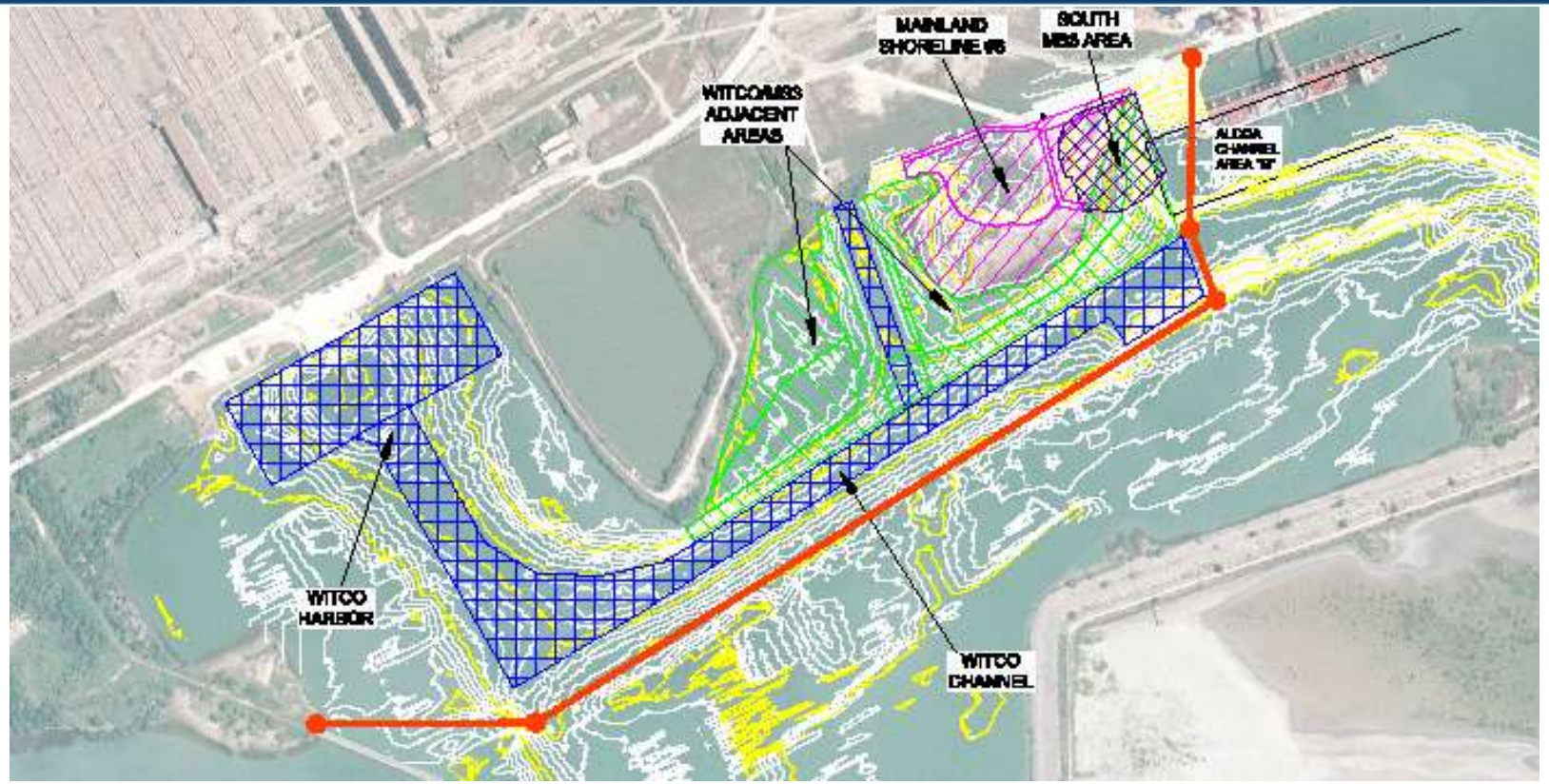
Cleanup & Monitoring Activities Codified in the 2005 Consent Decree

- Principle Remediation Objective per the ROD: reduction of mercury levels in fish tissue such that the overall risk throughout Lavaca Bay will approach that which would be present but for the historic Point Comfort Operations.

- Activities and Status:

1. Removal action at Dredge Island, including sediment and marshes
   Monthly and quarterly inspections
2. Hydraulic groundwater containment system at CAPA
   Routine monitoring confirms system operations
3. Sampling and dredging of mercury-impacted sediment
   Historical and 2017 actions
4. Sediment monitoring to gauge natural recovery of areas not dredged
   On-going; sampling on a bi-annual or as needed basis
5. Fish & prey item monitoring program
   Ongoing; sampling annually each fall

2017 Response Actions



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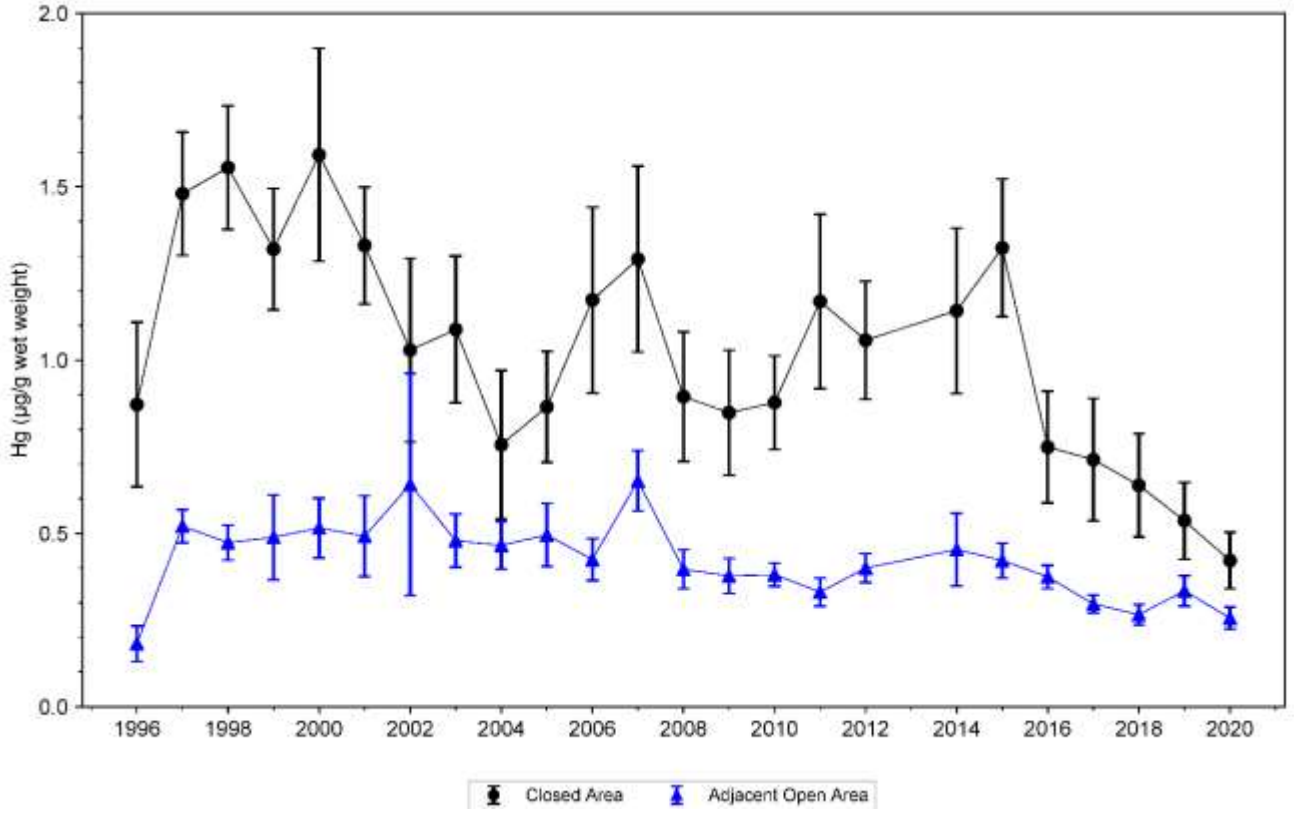
Jan-Feb 2017
Marsh sediment removal from Causeway Cove & Witco shorelines.

May-September 2017
Dredged & excavated 403,623 cubic yards of sediments/soils from Mainland Shoreline #3 area & Witco Channel & Harbor.

2020 Findings – Red Drum

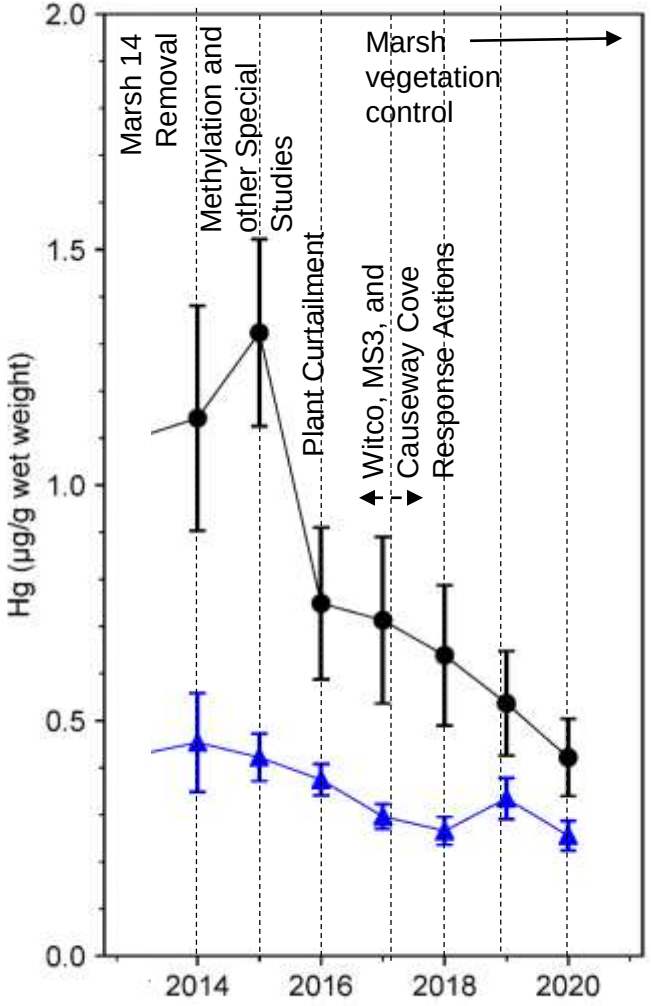
- Concentrations of mercury in fish tissue in the Closed Area continue to decrease and are approaching the concentrations observed in the Adjacent Open Area.
- The mean concentration of mercury measured in the Closed Area in 2020 is the lowest ever measured.



Average Total Mercury Concentrations in Lavaca Bay Red Drum Tissue by Year, 1996-2020
Notes: Symbols represent mean concentrations and error bars show two standard errors above and below the mean.

2020 Findings – Red Drum (continued)

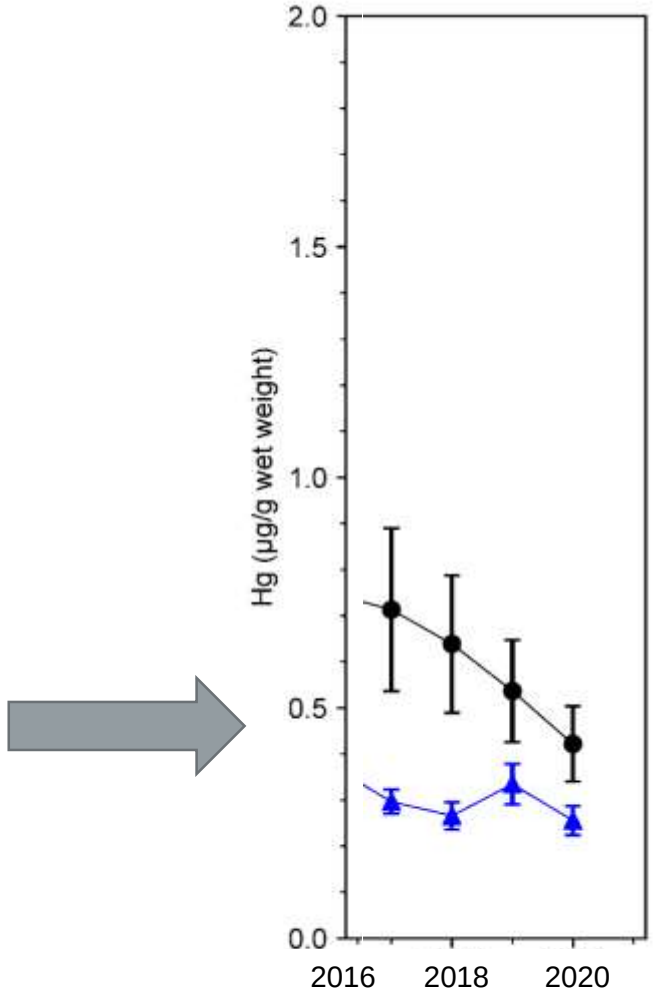
The trend over the last 5 years reflects the beneficial effects of actions collaboratively identified in the Five-Year Review reports.



2020 Findings – Red Drum (continued)

The Closed Area mean concentration is approaching the mean concentration in the Open Area as indicated by the decreasing differences between them.

Year	Δ THg (µg/g)
2017	0.41
2018	0.37
2019	0.21
2020	0.16



Status as of mid-2021

- Inspections and monitoring confirm proper functioning of remedy components and institutional controls
- Closed Area continues to recover
- Mean values of mercury in red drum and juvenile blue crab continue to decrease with red drum the lowest since 2005
- Mercury in red drum caught in the Closed Area remains slightly elevated relative to red drum caught in the Adjacent Open Area
- Restrictions for the Closed Area remain
- Regrowth of vegetation in marsh areas continues to be eradicated

3rd Five-Year Review 2021

US EPA Third Five-Year Review (2021)

- **Key Findings:**
  - Remedy is protective in short-term; long-term protectiveness determination deferred
  - Remedial actions have reduced mercury levels in sediment
  - Residual mercury remain as important issues
  - Levels of mercury in finfish (red drum) remain elevated in the Closed Area but overall levels are trending down
- **Action Items:**
  - Implement institutional controls in CAPA and Witco soils area
  - Continue monitoring and analysis of sediment/fish/shellfish; annual reporting to EPA
  - Assess planned Matagorda ship channel improvements; continued data collection/evaluation
  - Continued public outreach
- **EPA to make determination of long-term protectiveness in 2026**

Site Profile Page

https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0601752

Current and Planned 2021-26 Activities

2021

- Fish/shellfish monitoring in Closed and Open Areas
- Causeway Cove sediment monitoring
- Control marsh grass re-growth
- Dredge event to support CPA

2022

- Assess data and report in annual RAAER
- Fish/shellfish monitoring in Open and Closed Areas
- Control marsh grass re-growth
- Assess data to determine if additional dredging is required to support CPA and any further response action required

2023-26

- Assess data and report in annual RAAERs
- Sediment & fish/shellfish monitoring
- Control marsh grass re-growth
- Assess data to determine if additional dredging is required to support CPA and any further response action required
- 2Q26: USEPA prepares 4th Five-Year Report

Closed Area

Open Area

The Element of ***Possibility***™