

The Adverse Impact of Aggregate Inc., A Quarry at Hamms Bay on

- **The Environment**
- **Ecology**
- **History**
- **Culture**
- **& Infrastructure of**

The West End of St. Croix

Aerial View of Aggregate Quarry.

- Note: Mr Berrios home is directly above Quarry approximately 400 ft. from current operating area.
- Note: Ms Overson's home is to the left looking over Quarry and Coladonia gut.



Taken from Mr. Berrios Lawn

- Note Quarry rock and presence of machinery actively mining.



Cracks & seeping water out of Mr.
Berrios cistern



Crack in Cistern and seeping water



Corner of cistern cracked – area facing
quarry activity



Cracked cistern wall in Mr Berrios
home



Crack across Mr. Berrios Patio opposite
side of house



Crack in Bedroom wall facing quarry
activity – over cistern



Cracked Tile in Hallway



Cracked Tile in Kitchen



Cracked Floor Tile in Mr. Barrios Great Room



Cracked Gazebo Floor Overlooking Quarry and Caladonia Gut.

- Ms Overson's Gezebo



Cracked Cistern in Mrs. Overson's Home



Crack in Wall – Window also cracked but
was replaced by home owner – Mrs.
Overson



Aerial view of Aggregate Quarry. (Looking East.)

- Elevation at top approximately 500-600 ft.
- Note: Caledonia Gut on left.



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Quarry Looking North

- Note: Direct path to Hamms Bay



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Clean water in first waterfalls

- Within VI Territorial Park

UPPER GUT
CLEAN WATER



Mountain Mullet

- Upstream of quarry
- Note clean water
- This species needs salt water to reproduce



Cribichi –Local Shrimp

- Upstream of Quarry



Dust from quarry

- Shows intrusion of gravel into gut



Looking West

- Dust generated by Quarry

A photograph of a steep, forested hillside. A plume of white dust or smoke is visible rising from the base of the hill, partially obscuring the lower part of the forest. The text "QUARRY DUST" is overlaid in red capital letters on the left side of the image, pointing towards the dust plume. In the foreground, there are green trees and foliage. A thin wire or cable runs horizontally across the middle of the image, supported by a green pole on the right side. The sky is blue with some white clouds.

QUARRY
DUST

Mid Quarry

- Gravel berm within the 25 ft. setback of existing gut looking west.
- Gravel in gut was washed out to sea by Hurricane Tomas



Mid Quarry – Looking East

- Material from previous gravel picture pushed into gut

Quarry to the right



Middle of Gut

Blowout (Looking North)

- 50 yards upstream of previous picture
- Note sediment



Silt laden water (Downstream from Quarry)

- Headed towards Hamms Bay and Caribbean Sea

RUN OFF



Mud & Silt in gut

- Note depth of footprint



Silt Laden Water

(flowing from main entrance of
Quarry - prior to Hurricane Tomas)

- This is a CZM Tier I area



Silt Laden Water

(mixed with clear water heading for
Hamms Bay - Prior to Hurricane Tomas)

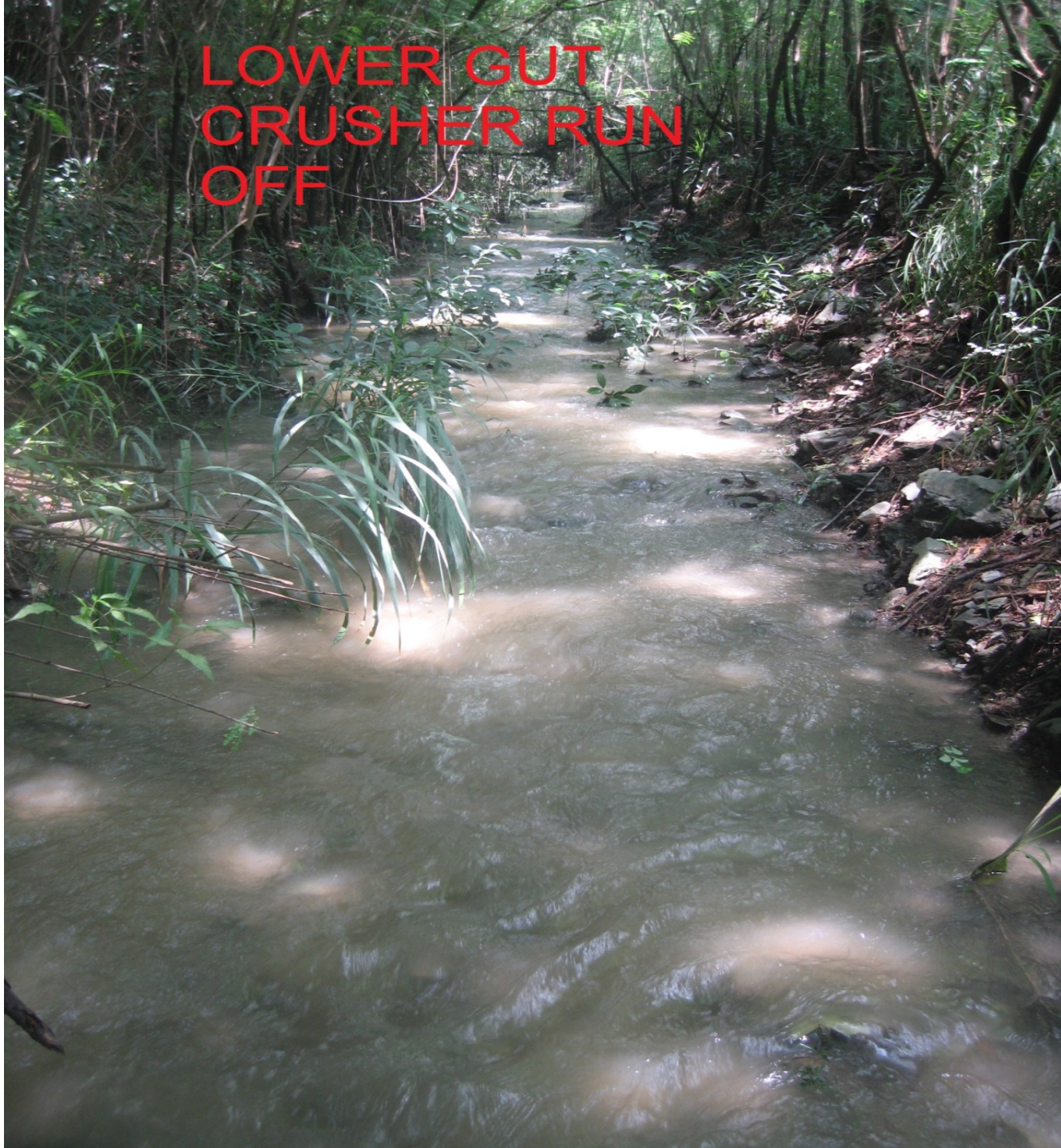


Resulting plume in Hamms Bay
from previous silt laden water



Looking adjacent to Weigh Station
(Prior to Hurricane Tomas)

LOWER GUT
CRUSHER RUN
OFF



Boulders on edge of gut

- Again, Inside of 25 ft. Setback



Boulders

- Pushed or fallen into gut

QUARRY BOULDERS



Gravel pushed into Middle Gut
(Prior to Hurricane Tomas)

HUGE SPILL



Clean Beach (Prior to Hurricane Tomas)

CLEAN BEACH



After Hurricane Tomas (same beach)

- Gravel berm that was formed from gravel & stone in gut from Quarry
- This is a CZM **TIER I** Area
- Where are the fines for Illegal Dumping

SAME BEACH
AFTER QUARRY
SPILL



Mountain Mullet trapped in gravel/ rock pool

- Note lack of clarity



Gobie

- Fish in gut system
- Needs fresh and salt water exchange to reproduce



Hamms Bay

- Bleached Fire Coral
- Water showing reduced clarity from sediment.

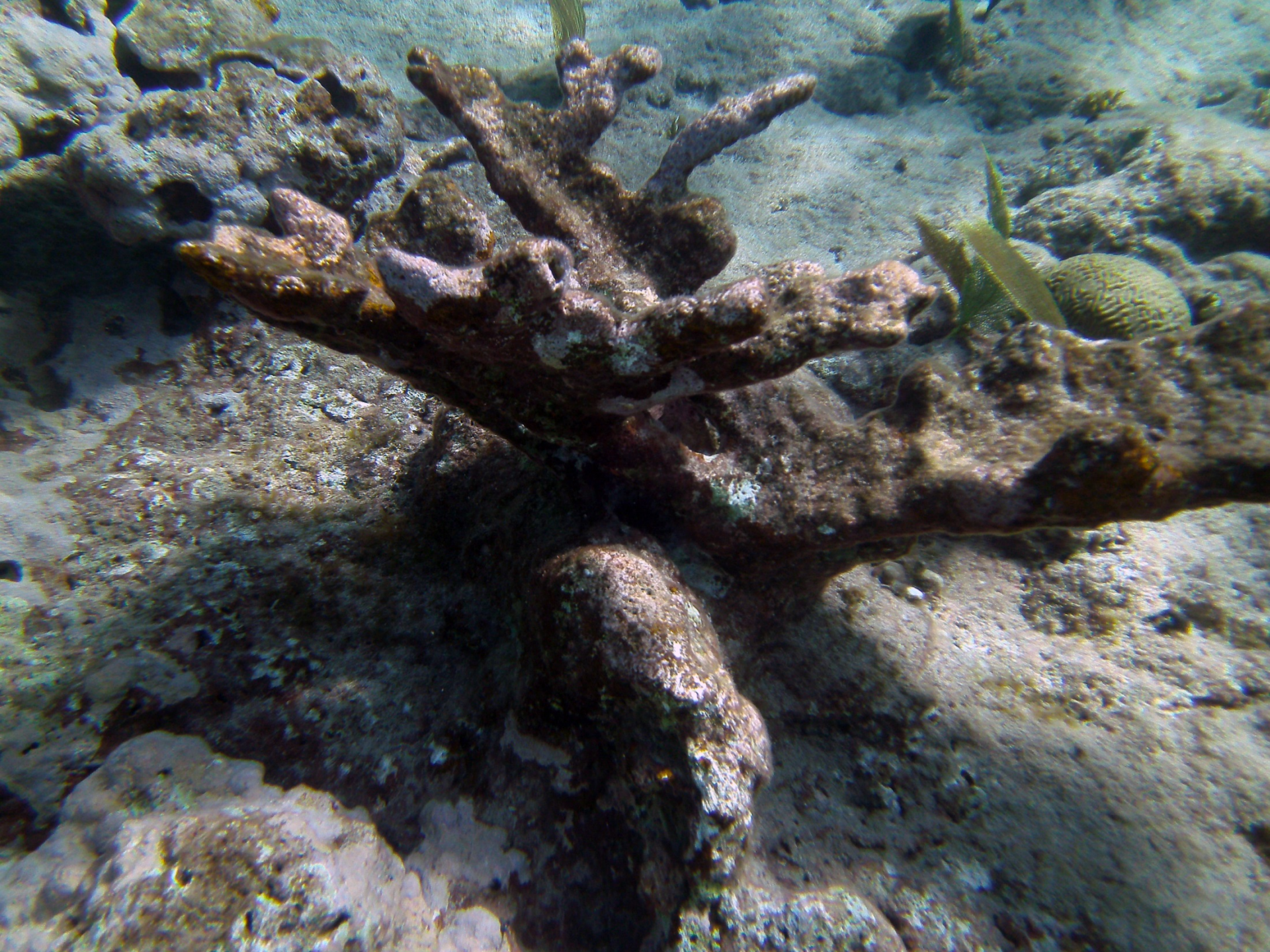


Acropora Palmata (Elkhorn Corral)

- Stressed
- Note surrounding sediment
- Federally threatened species



Dead *Acropora Palmata*



Another Acropora Palmata

- Appears dead also



Large Dump truck

- Note: Overfilled and Uncovered



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Dust from Gravel Trucks

- Regular occurrence



Dust from Quarry trucks

- Note proximity to Sea



Historic Lime Kiln

- Note: The mortar between the stones is absent due to truck vibration



Mortar on ground

Historic Wall at Prospect Hill

- North Wall
- Note absence of mortar



Mortar on ground

Historic Wall at Prospect Hill

- South Wall



USVI
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Historic Bridge over Great Gut at Mount Washington entrance

- Due to oversized Trucks



05/08/2009



Fairy shrimp

Please Help Save the Gut

It's In Your Hands

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