

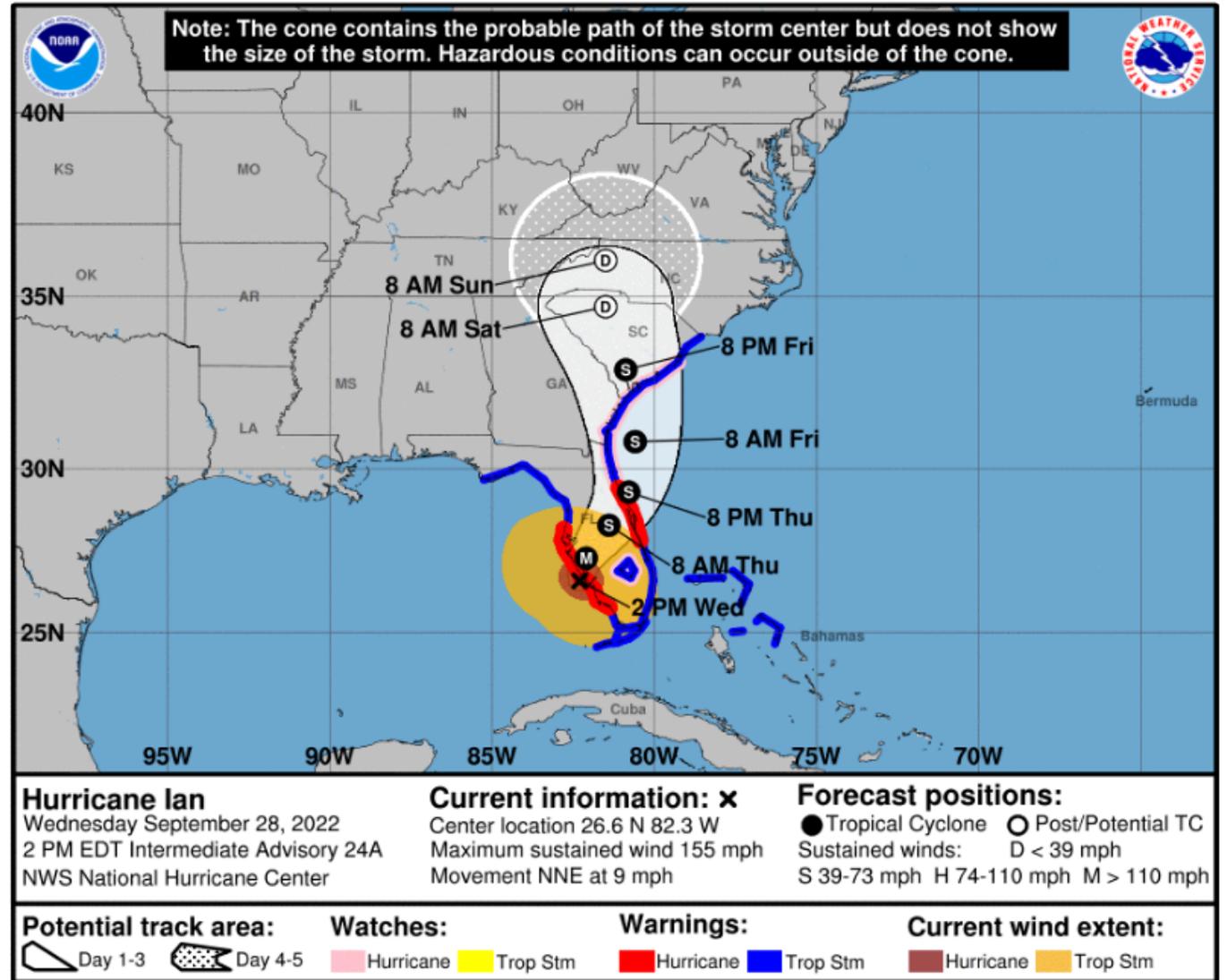
SANIBEL CAUSEWAY

Hurricane Ian Damage ~ Response ~ Restoration

HURRICANE IAN CATEGORY 4

Wednesday, September 28, 2022

Landfall: Cayo Costa





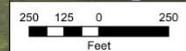
Island A (1)

Bridge A

Bridge B

Fort Myers

SANIBEL CAUSEWAY BEFORE HURRICANE IAN



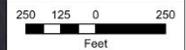
Island A (1)

Bridge A

Bridge B

Fort Myers

SANIBEL CAUSEWAY AFTER HURRICANE IAN





Bridge B

Island B (2)

Bridge C

Sanibel Island

SANIBEL CAUSEWAY BEFORE HURRICANE IAN



Bridge B

Island B (2)

Bridge C

SANIBEL CAUSEWAY AFTER HURRICANE IAN

Sanibel Island



DAY 1

Wednesday, October 5, 2022

Mobilization

























DAY 7

Tuesday, October 11, 2022

Convoy Crossing





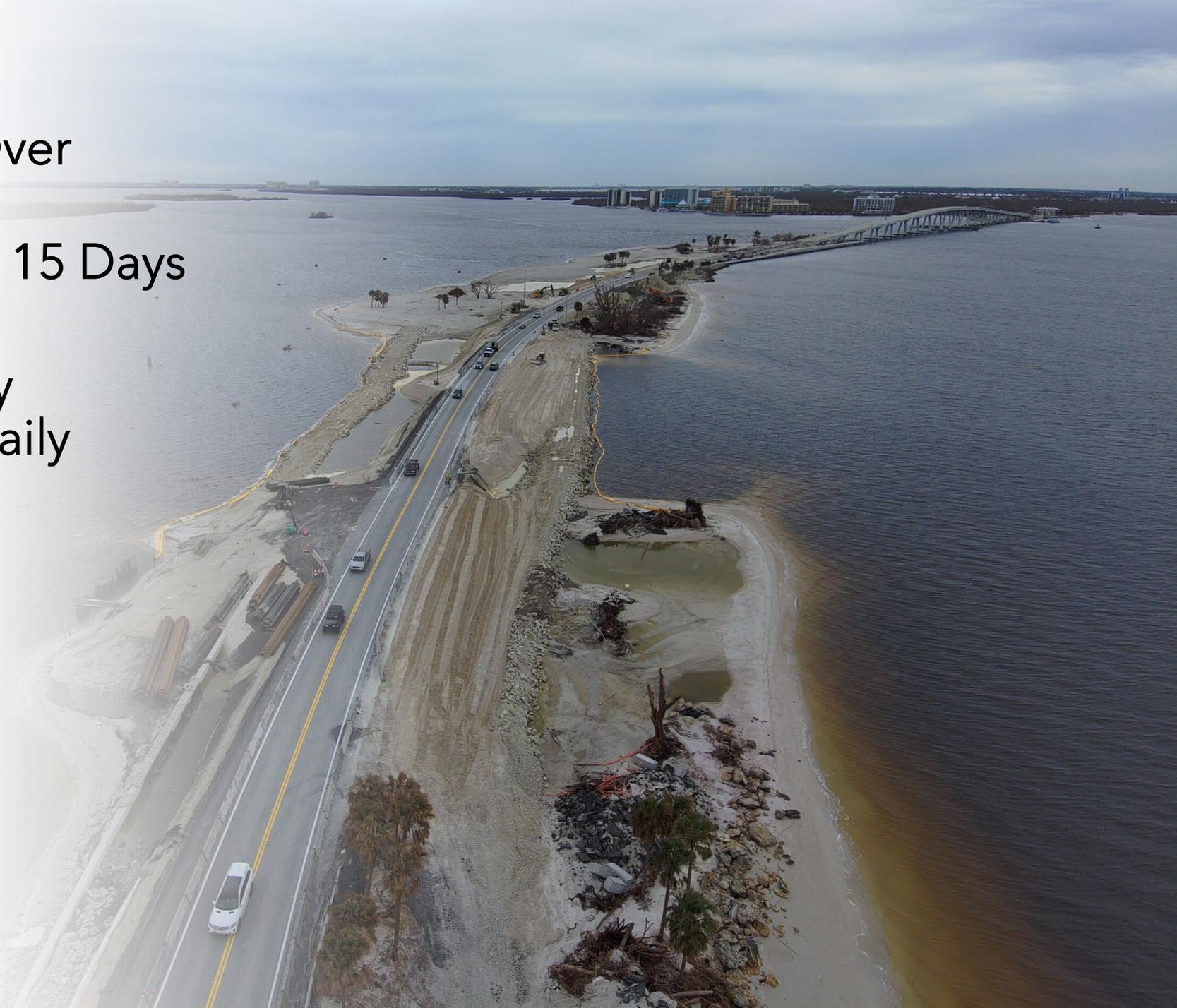


DAY 15

Wednesday, October 19, 2022
Temporary Roadway Open to Traffic

Over 100 crew per day Over
36,000 workforce hours
Work Schedule - 24/7 for 15 Days

- Over 70 pieces of heavy equipment operating daily
- 4 Barges
- 7 Cranes
- 2 Dredges
- 5 Boats





Materials Used

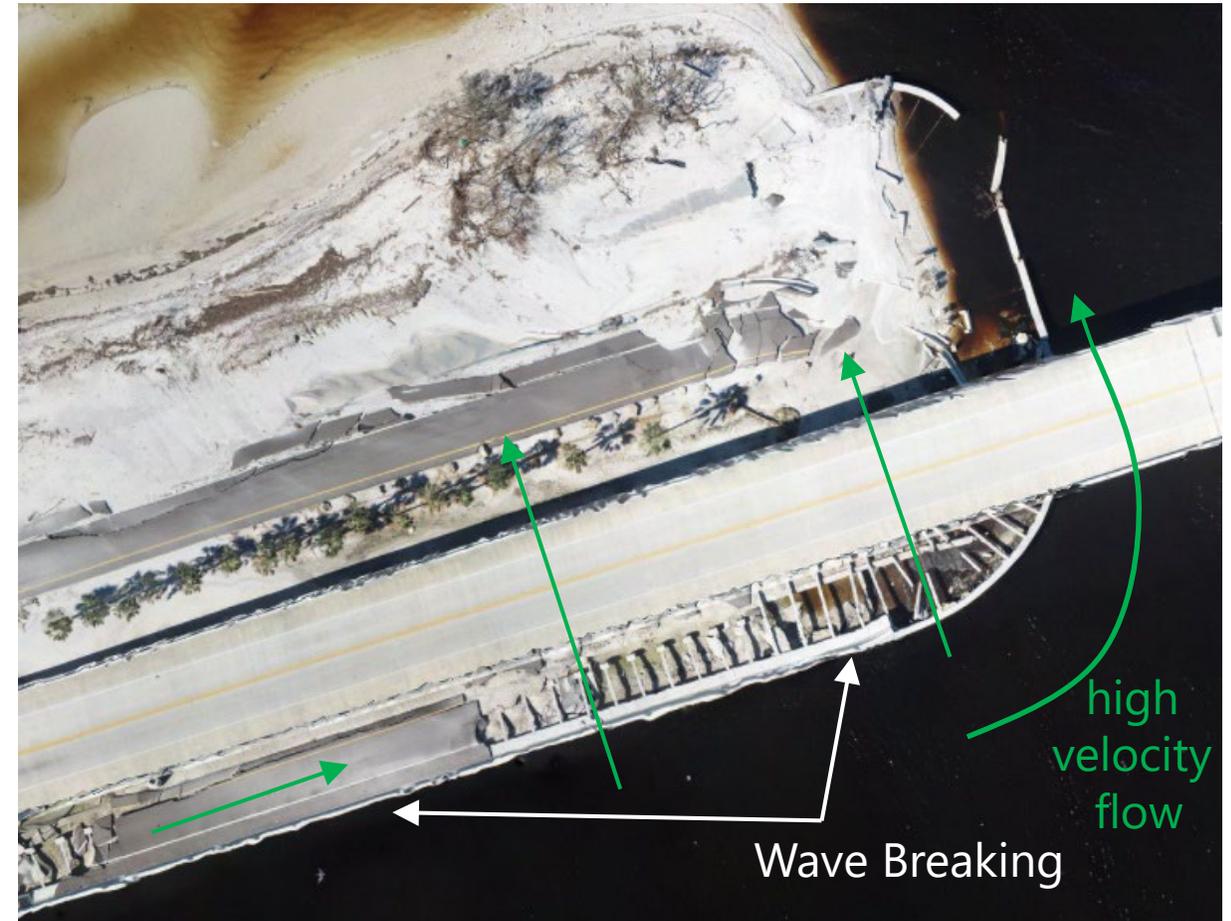
8,200 Loads of Fill Dirt

2,400 Loads of Rock

4,000 Tons of Asphalt

WHAT HAPPENED

Waves breaking on seawalls eroded unprotected upland areas
Tiebacks exposed at seawalls and missing/inadequate toe protection resulted in collapse

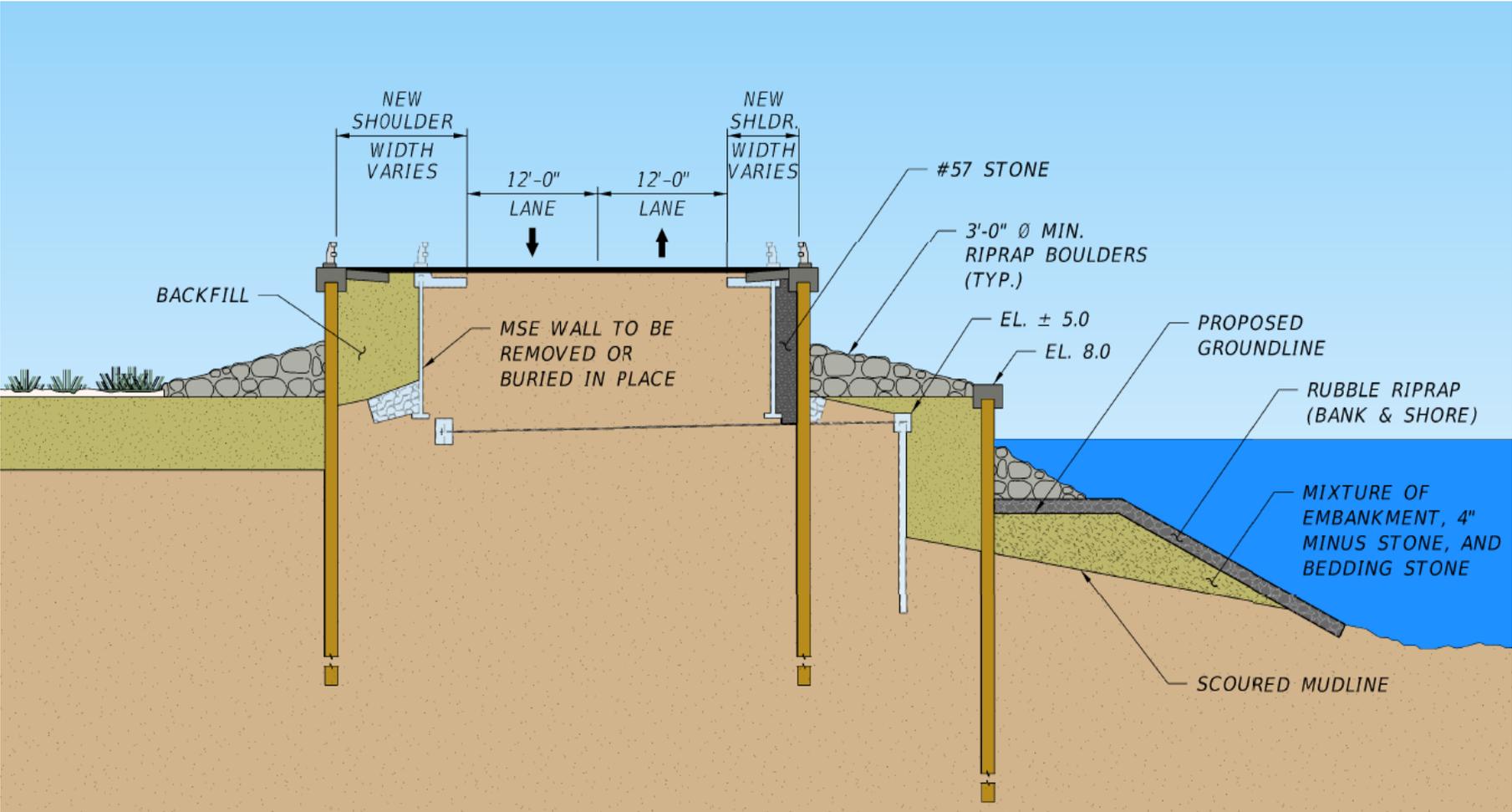


WHAT HAPPENED

Inadequate protection at MSE walls
Protection moved by waves & currents
Undermining of MSE walls resulted in collapse

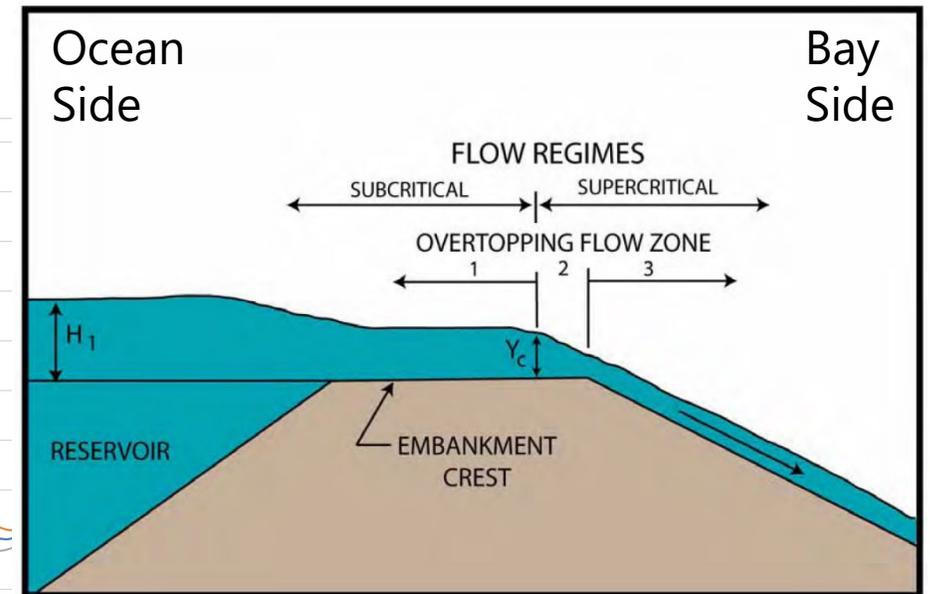
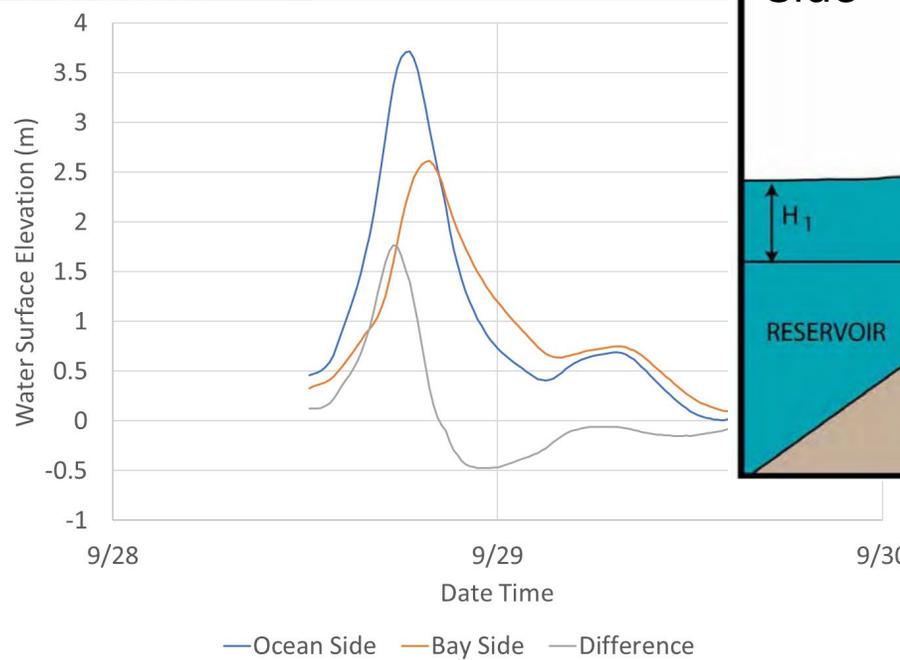


WHAT'S NEXT



WHAT HAPPENED

- High flows caused erosion on back side of pavement
- When pavement completely breached the underlying base was washed away by currents and waves causing the new "channel cuts" in the islands



WHAT'S NEXT

