

Construction Update

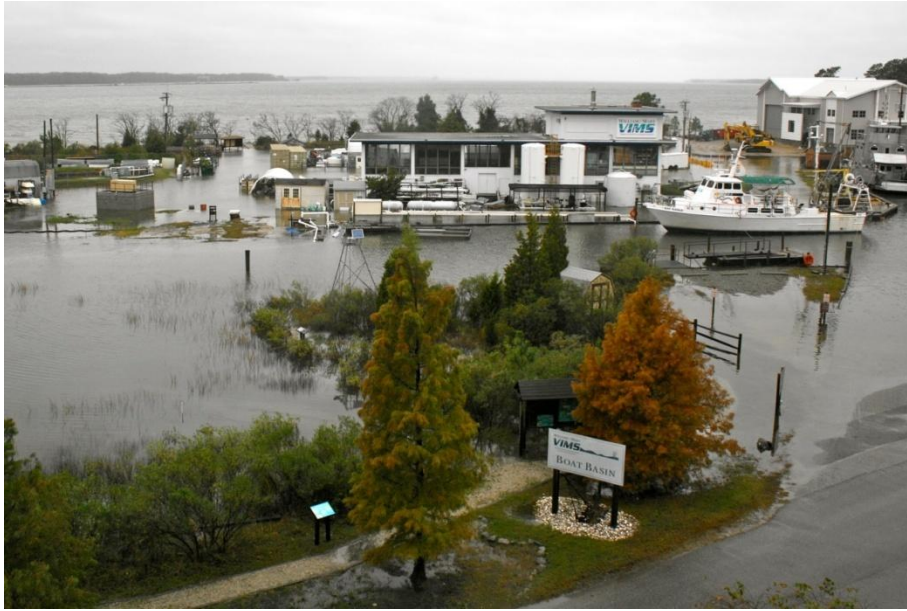
Virginia Institute of Marine Science

Committee on Buildings and Grounds
Board of Visitors of the College of William
and Mary in Virginia
November 18, 2009



Tropical Storm Ida/ Nor'easter Damage

November 11-13, 2009



Tropical Storm Ida/ Nor'easter November 11-13, 2009

- Damage estimated at \$20,000-\$30,000
- Destroyed or Damaged
 - Boat Basin Area
 - Approximately 14” of seawater flooding in most buildings
 - 30” of seawater flooding in Finfish Greenhouse
 - Walls, floors and furniture destroyed in Dive Locker
 - Water damage from leaky roofs and drains campuswide
 - Eastern Shore Lab-flooding
 - Kauffman Center-damaged trees

Boat Basin

Flooding



Finfish Greenhouse



Eastern Shore Lab

During Nor'easter



Coastal Flooding

Aftermath

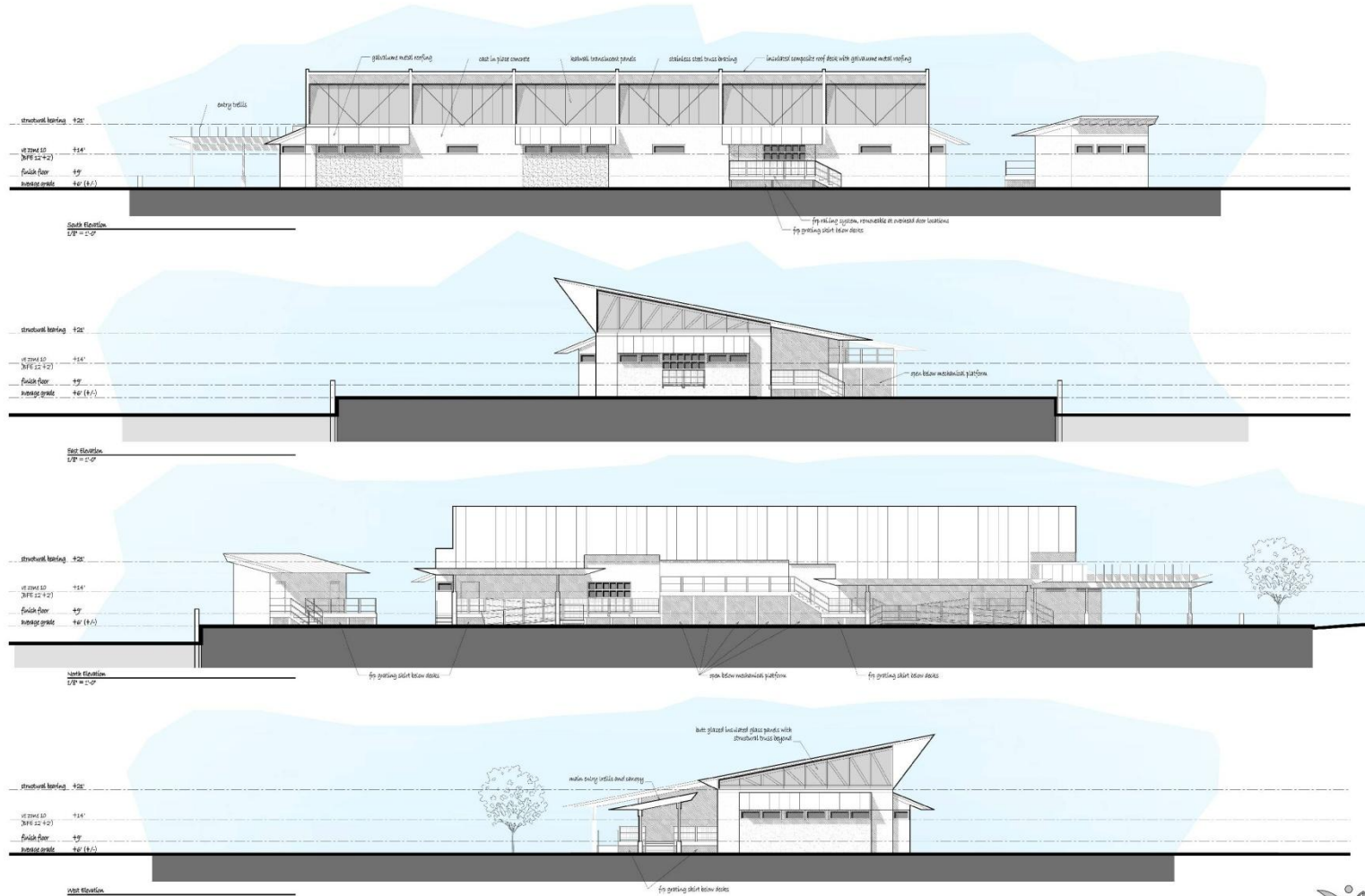


Small mountain of "sea-oats" debris

Projects In Design

Project	Type	Start Date	End Date	Cost (in millions)
Eastern Shore Seawater Laboratory	Replacement	July 2008	Spring 2011	\$4.2
Shoreline Erosion Control	Improvement	July 2008	June 2010	\$1.2
Research Storage Facility	Replacement	August 2002	August 2010	\$0.6
CBNERRVA Property Acquisition: Catlett Islands	Property Acquisition	July 2009	June 2010	\$1.5

Eastern Shore Seawater Laboratory



SCALE: 1/8" = 1'-0"

WACHAPREAGUE, VA
VIMS ESSL

SCHEMATIC ELEVATIONS

4.7.2009



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WACHAPREAGUE, VA - 100 WACHAPREAGUE ST. - 22089 - (757) 421-1400 - WWW.WACHAPREAGUEARCHITECTS.COM

VIA design architects, pc

Projects Under Construction

Project	Type	Start Date	End Date	Cost (in millions)
Field Support Center	New	February 2005	Dec 2009	\$2.0
Electrical Upgrades: Chesapeake Bay Hall	Improvement	Sept 2007	March 2010	\$0.3
Construct Concrete Pier	Replacement	August 2007	Nov 2009	\$1.45

Field Support Center



Elevated to avoid storm-surge flooding





Ferry Pier



Ferry Pier in Parking Lot

Hurricane Isabel

9-18-03

Oyster Hatchery Pier



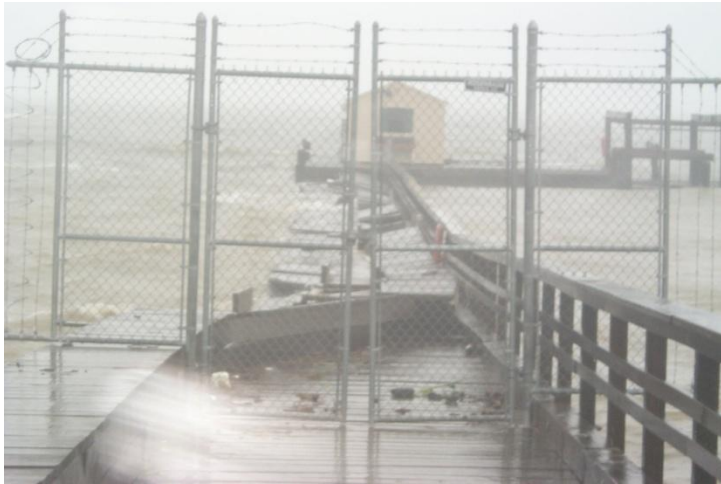
Oyster Pier



Tropical Storm Ernesto

9-1-06

During the Storm



Oyster
Pier

Immediately After the Storm



Ferry
Pier




New Concrete Pier



New pier performed as
designed and had no damage
from recent nor'easter





A photograph of a wooden pier extending into a body of water. The pier has a wooden railing with vertical balusters. A white sign with red text is attached to the railing in the foreground. The water is choppy and greyish-blue. The sky is overcast and grey. The pier recedes into the distance, curving slightly to the left.

Pier Closed
Temporarily
due to unsafe conditions
No Trespassing.

Maintenance Reserve

- Planning
 - Evacuate Bank behind Collapsed Wood Bulkhead (\$180,000)
 - Replace Air Handlers in Watermen's Hall (\$443,000)
 - Replace Chiller Rack, Electric Boiler and Cooling Tower at Watermen's Hall (\$388,000)
 - Various Roof Replacements (\$78,000)



VIMS

Resolution 4: Demolish the Pier House at the Eastern Shore campus



East



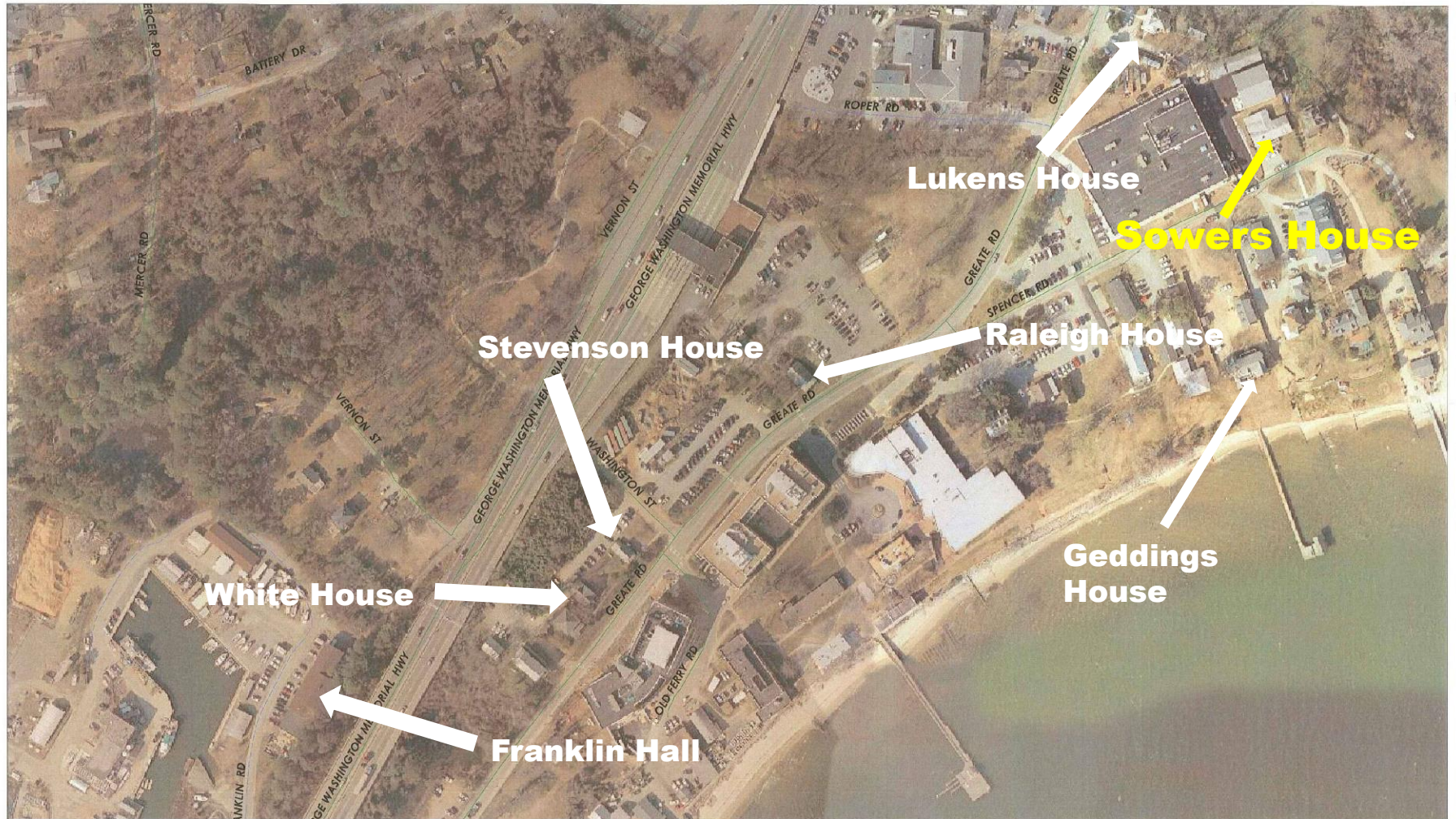
North



South



Interior



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Resolution 4: Demolish the Sowers House to relocate external research tanks on the Gloucester Point campus



North



South



East



West

VIMS

Sowers House

FAACS 0B114



Mesocosm Tanks

11/2/2009



Crab Tanks

11/2/2009



Algal Biofuel Flume

11/2/2009



SAV Flow-Through Tanks

11/2/2009

VIMS

Outdoor Tanks

