



GOVERNMENT OF USVI

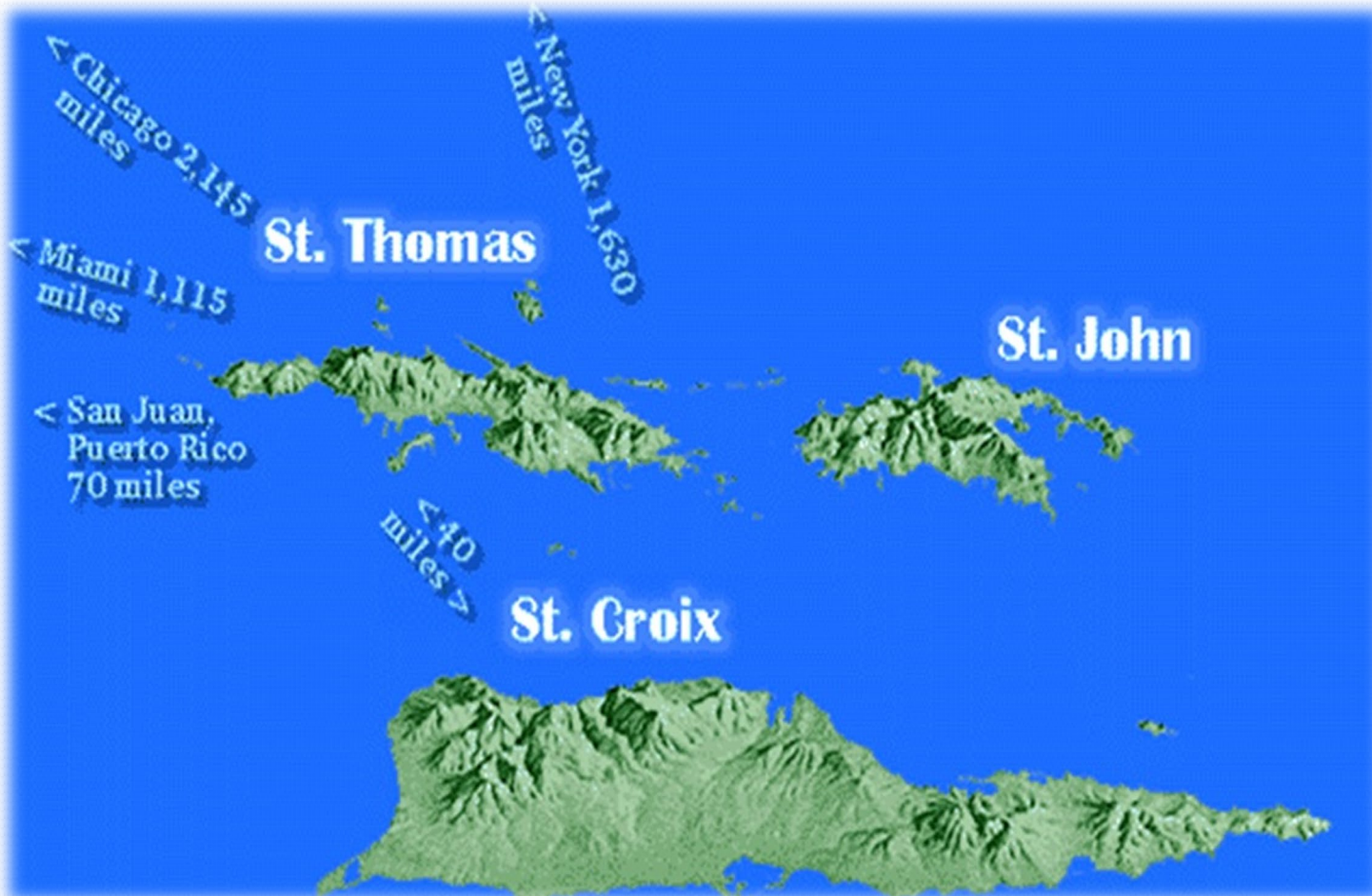


Restoration of Great Pond

Jean-Pierre L. Oriol
Commissioner
DPNR



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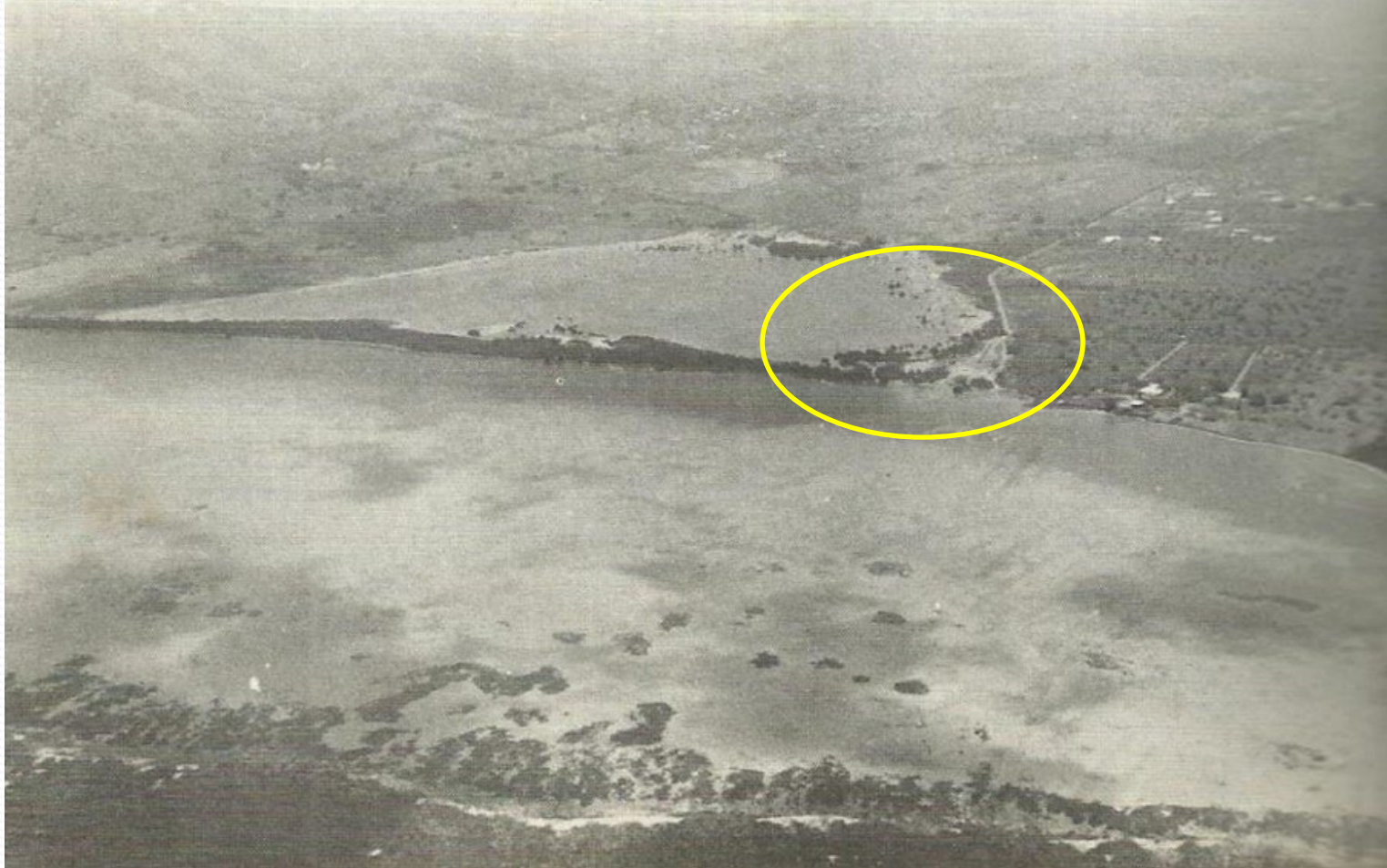


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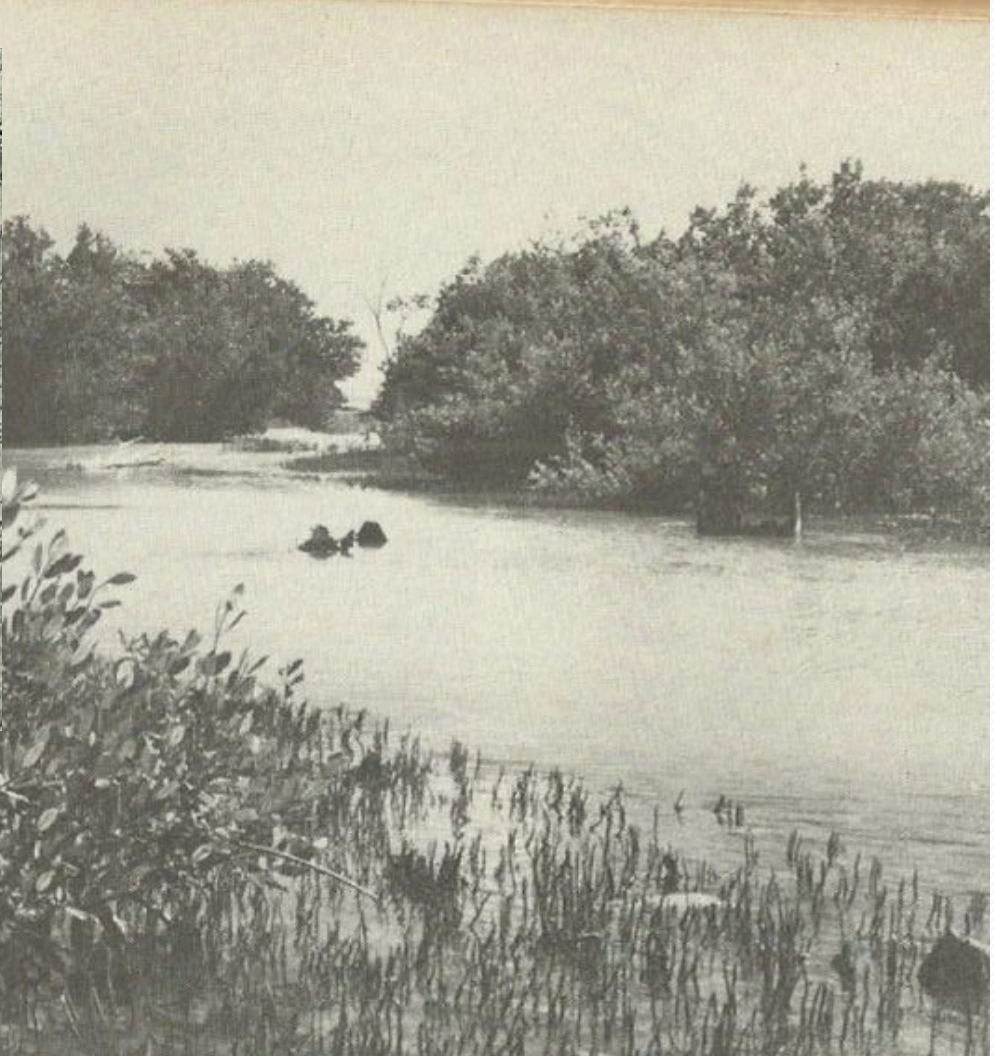
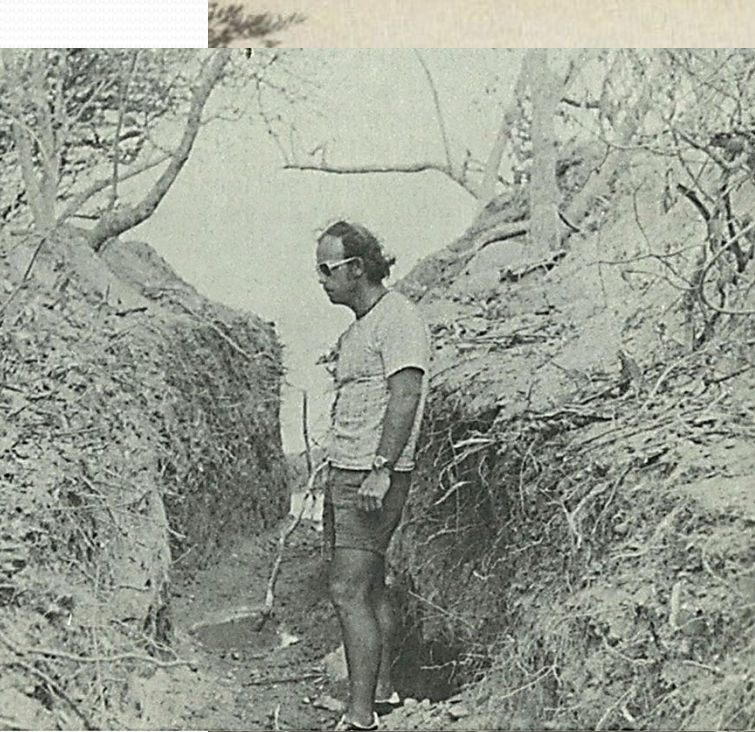


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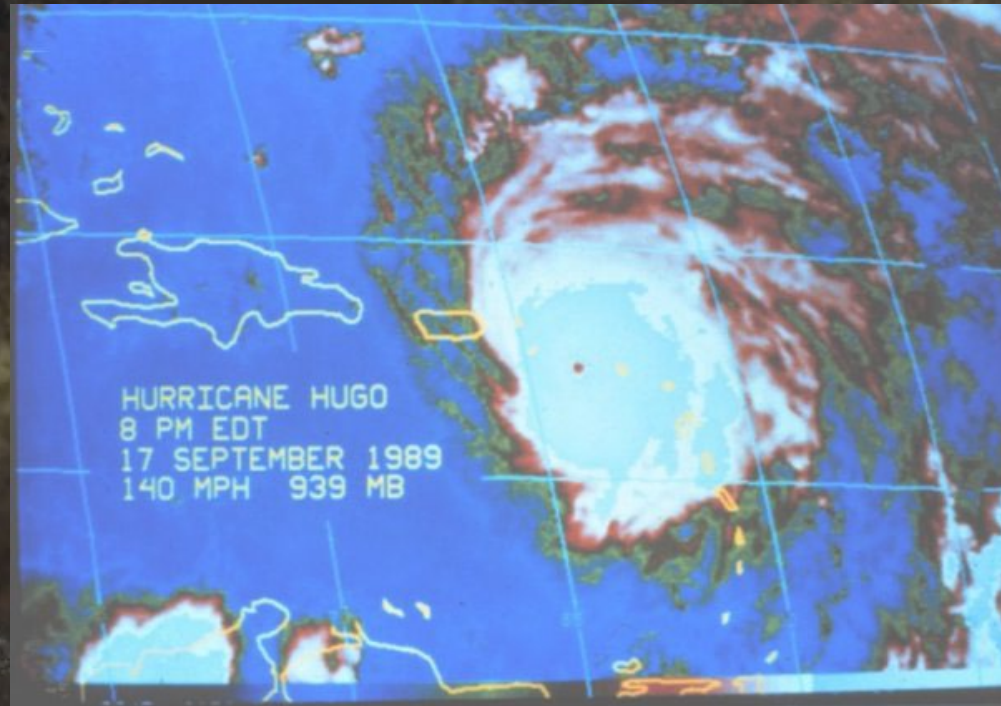


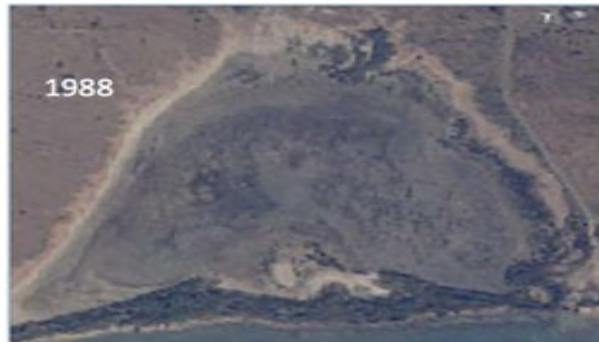
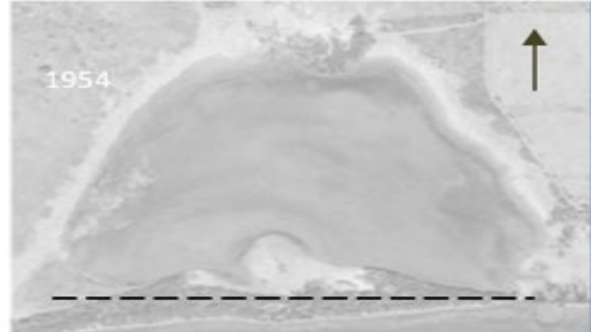


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1989 – Hurricane Hugo, with its wind gusts of up to 200 mph, decimates the island of STX

Pond mouth channel collapses in



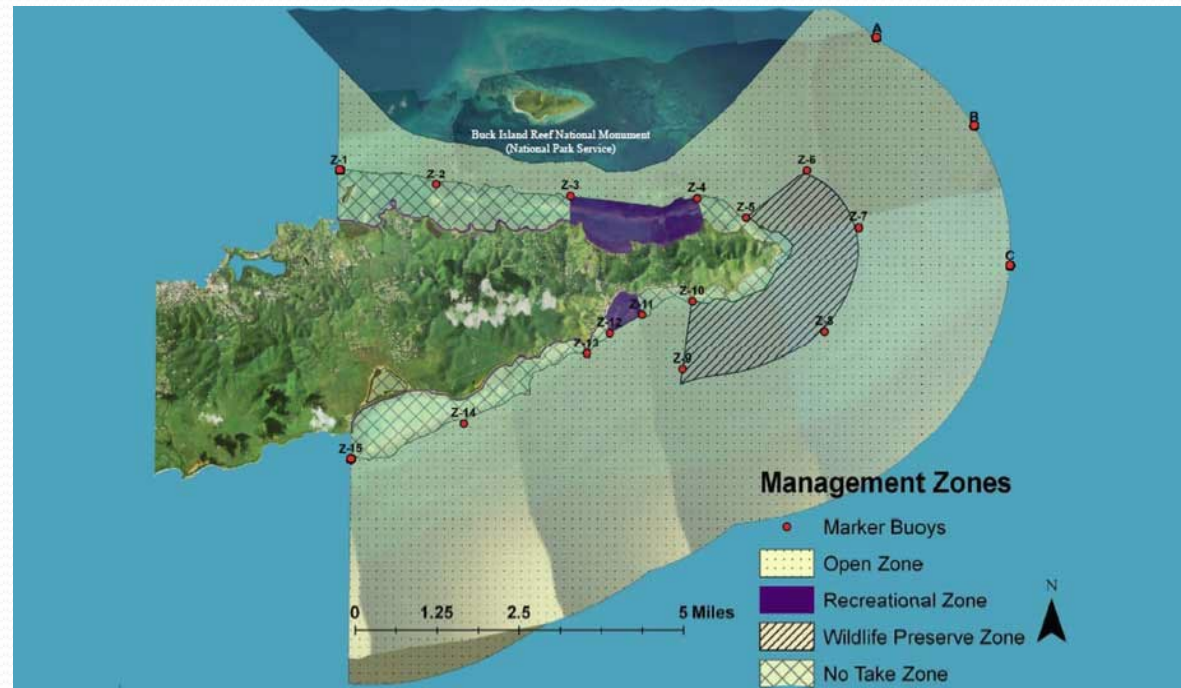




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STX East End
Marine Park
established in
2003.

Major
management
goal is the
restoration of
the pond
opening





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Four-phased approach for the restoration of the pond:

1. Create a relief ingress and egress ($\sim 15,000 \text{ ft}^3$)
2. Dredge the historical channel entrance ($\sim 150,000 \text{ ft}^3$)
3. Dredge entrance channel in Great Pond Bay ($\sim 82,000 \text{ ft}^3$)
4. Direct removal of mangroves for water to create nursery habitat ($\sim 5,067,000 \text{ ft}^3$)



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- BUDGET

Units	Phase I	Phase II	Phase III	Phase IV	Totals
ft ³	15,000	149,424	82,500	5,066,880	5,313,804
\$50/ft ³	\$21,237.64	\$211,560.83	\$118,806.99	\$7,173,903.18	\$7,525,508.64
\$75/ft ³	\$31,856.45	\$317,341.24	175.210.48	\$10,760,854.77	\$11,285,262.97



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Alternate N.I. Projects

- Reef Restoration Fragmentation and Outplanting of Coral
- Bio-retention areas reducing coastal stress, alleviating flood risk and improving groundwater availability





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- To recap, DPNR sees the restoration of the Great Pond channel as a major component to improvement of the fisheries stock in the territory, thereby increasing the food security potential for our people
- ~ \$15M allows for the necessary analysis and equipment to undertake the opening.



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Questions?