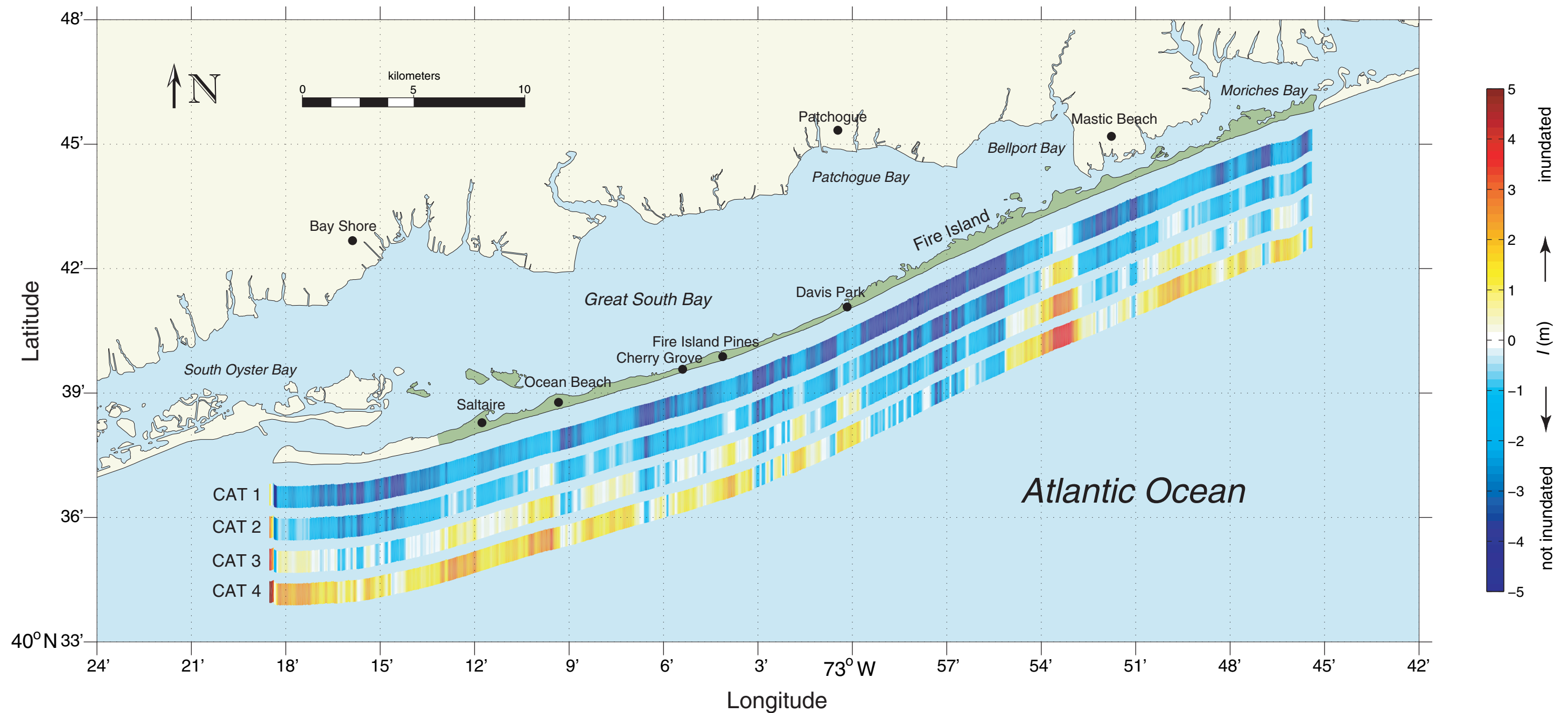


Fire Island National Seashore, New York

Potential inundation of the beach system during direct hurricane landfall



Note: The potential inundation, I , of the beach system is defined as the difference between the predicted storm surge and the measured elevation of the seaward-most sand dune or berm. Surge values along the open coast were extracted from the NOAA SLOSH model and represent the maximum of the maximum. The NOAA SLOSH model does not simulate surge for category 5 storms north of North Carolina. Dune elevations were measured from a lidar topographic survey conducted on April 29, 2007.

Prepared by:

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