

# Cape Lookout National Seashore, North Carolina

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. Dune elevations were measured from a lidar topographic survey collected on October 1 and 2, 2005.

