



THE SAND IS MOVING:

Sustainability issues along Delaware's coast

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Section

**AS A STATE AGENCY, HOW DO
WE MITIGATE THE EFFECTS OF
LONG TERM/SHORT TERM
EROSION AND SEA LEVEL RISE ?**

By **enhancing, preserving**
and **protecting** the public
and private beaches of
the State.

The Building Line



Prior to 1981

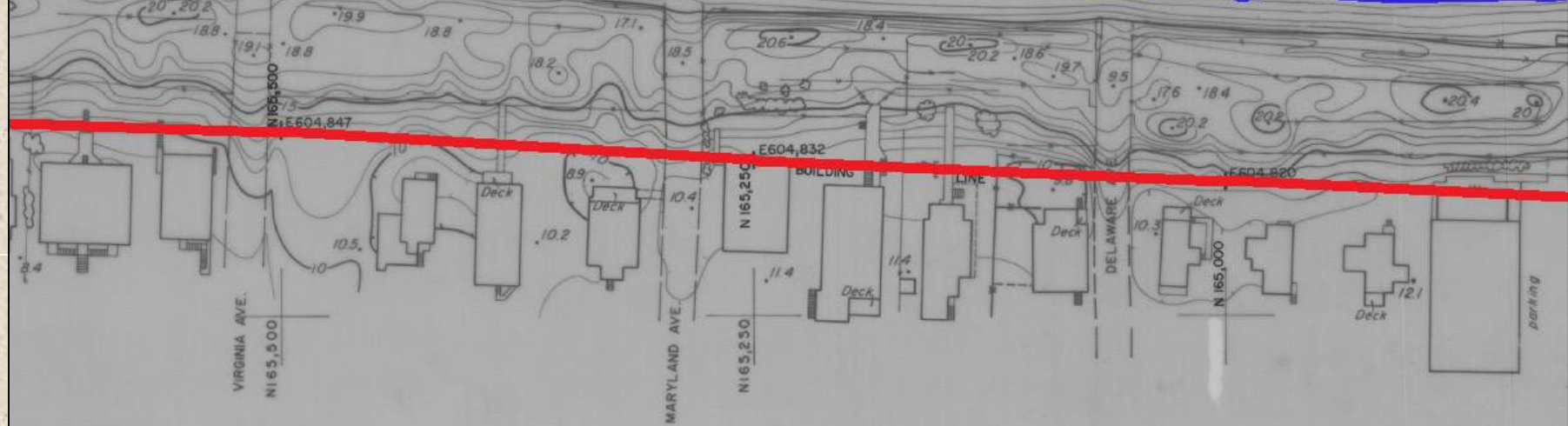
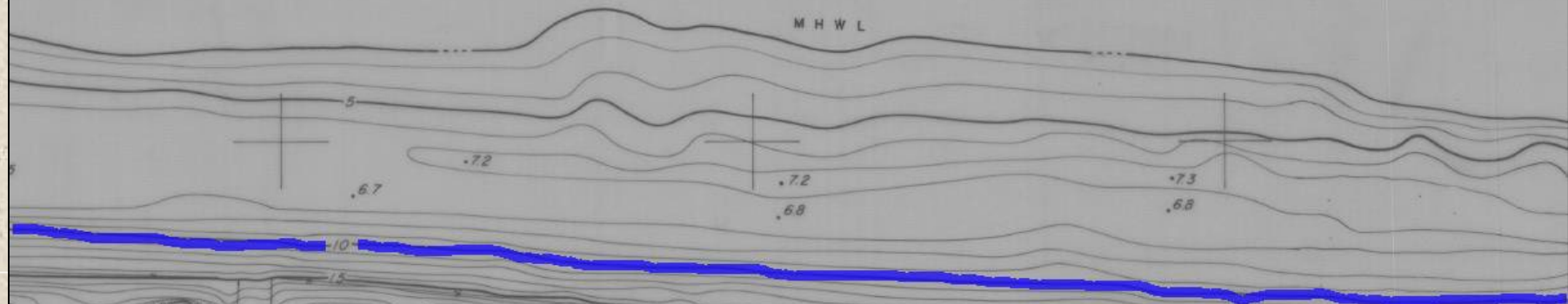
The Building Line was determined by a site visit by a Department representative who found the landward toe of the dune and designated it as the line past which no construction shall occur



ATLANTIC

OCEAN

M H W L



FENWICK

ISLAND

Re-evaluating the Delaware Beach Preservation Act's regulatory Building Line using modern coastal mapping data

- Used the definition of the Building Line as defined in the Regulations Governing Beach Protection and the Use of Beaches
- Used specified contour lines from 2014 LiDAR data
- Created a coastal construction evaluation line using GIS to visualize effects of dune changes since 1979

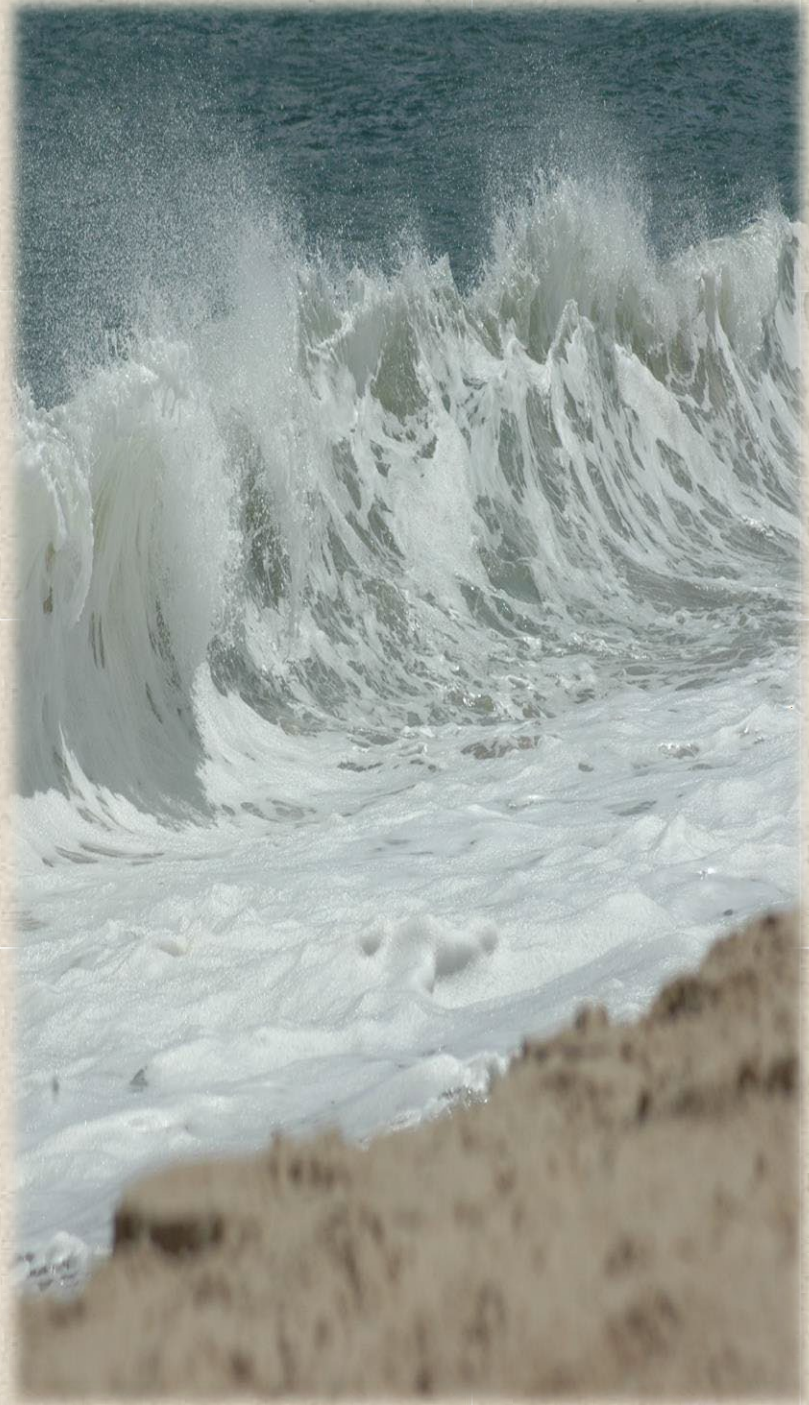








Beach Management Issues











SECTION 2.11 BUILDING LINE RE-ESTABLISHMENT

2.11.1 When, in the opinion of the Secretary, storms or other natural phenomena cause a substantial long term change in the seaward contour used to establish the Building Line, the Division may, following public hearing, re-establish the Building Line in its entirety or for the portion of the coast where the natural phenomena have caused substantial long term changes from information provided by topographic survey.

THANK YOU!

