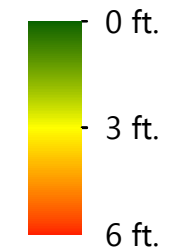


NATURAL RESOURCES INVENTORY

Coastal Sea Level Rise

100-Year Sea Level Inundation



Hydrology

- Streams
- Water Bodies

Roads

- Interstate
- Federal Highway
- State Route
- County Road
- Local Road

DATA SOURCE: New York State Dept. of Environmental Conservation, 2017; Scenic Hudson, 2017; New York State Dept. of Transportation, 2017; Orange County Dept. of Planning, 2018

DESCRIPTION OF INUNDATION MODEL (Scenic Hudson, 2017)

Scenic Hudson's inundation layer is a "modified-bathtub" model of current and potential future Hudson River inundation zones. The model uses a base condition of mean higher-high water (MHHW), which is the height of the higher tide each day averaged over a 19 year period. The extent of each vertical 6" (0.5 ft) increase in inundation above MHHW is modeled up to a level of 72" (6 ft). Raster values of 6-72 represent inches of increase above MHHW, while 0 represents the current extent of MHHW.

Creating Natural Resources Inventories (NRIs) in Orange County Communities is a partnership project between OCWA and Cornell University Department of Natural Resources, with funding from the Environmental Protection Fund through the New York State Department of Environmental Conservation Hudson River Estuary Program.

Orange County Department of Planning
B. Freiman 6/19/2018

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