



SAVING THE LAND THAT MATTERS MOST

Hudson River Sea Level Rise Projections

Legend

- Railroad
- Hard Shoreline
- Natural Shoreline
- Hudson River (Sea Level)
- Hudson River (MHHW)

Inundation Depth

Central Range	Rapid Ice Melt
6"	2020s
12"	2050s
18"	2080s
24"	2090s
30"	2090s
36"	2090s
42"	2090s
48"	2090s
54"	2090s

- FEMA 100 year Floodplains
- Modeled 100 year Floodplains (48")

Priorities

1. Cost/benefit - benefit of being on the waterfront is risk of being on the water
2. When you know it will flood, should taxpayers keep paying?
3. Sewage plant affects the whole city. Top priority move it or flood proof it.
4. roads, oil tanks
5. tax revenue generated
6. water dependent businesses
7. Define a breaking point when it comes more frequent
8. Harbor Management Plan process to set criteria

A Kingston waterfront resilient to flooding in 50 yrs would:

- be above water
- allow life as usual to continue during storm and rain events
- all zoning and planning would allow for flooding
- take the stress out of the waterfront

Assets

1. Cultural resources and retail on Rondout are significant revenue generator and community assets

2. Numerous marinas provide unusual safe port opportunities in Mid-Hudson

241 Catherine Street - is a building that I have invested in 2012 as the result of the tidal surge - 1' on the outside of the building and 18" of water on the inside of the building. Every high tide the East Strand floods, with February being the worst month. Every time there is a bad storm or hurricane the East Strand floods and there is a surge of water coming down the hill from Upper Ponckhockie and Hasbrouck Park through the storm drains and sewerage line. East Strand floods and the Ponckhockie area is cut off from Rondout

Riverview Missionary Baptist Church flooding has become worse in the last couple of years. Water from the Hudson runs directly under the church in high and low tides. Our concern is how to redirect drainage and sewage.

Maritime Museum has been in many floods and has been (?) by the flooding (?) a cement floor on ground level. Understand that rowing boats have been moved by the flood waters. My concern is also the impacts to the WWTP and its ability to survive with climate change

During Hurricane Irene my house was flooded one step from coming into my first floor. For Hurricane Sandy, my house was flooded again and this time it came 1.5' feet into my first floor. During heavy rains water comes from the Hudson River and Esopus Creek thru the Riverview Church yard and floods Catherine Street. There is also an underground stream that flows under my basement all year so we have to use a sump pump yearly. The stream comes from the cave under Hasbrouck Park at Albany Street. (Joan Williams-Washington - 239 Catherine Street)

Assets

Opportunities for creating more soft coastline for recreational and habitat enhancement

Maybe make recreational walking areas - "healing paths" because you want people to keep coming to the waterfront - or incorporate a great(?) improved(?) zone where people walk/exercise(?) in a buffered for(?) zone

The rerouting of a small tributary from the Esopus watershed to the Rondout - is it contributing any significant amount of flood waters to the Rondout

Appreciate that sediment from flood waters are seeing deposits in the stream bed and how is this impeding the streams viability - also how is it changing with increased flood waters

Flooding went upstream to Rosendale

*NOTES: Inundation modeling based off of mean high high water level datum. Elevation data derived from 2012 LIDAR DEM data provided by the NYS Department of Environmental Conservation Hudson River Estuary Program. Maps are for illustration purposes only.

