

Flood Resilience Network's Guide to Hudson Valley Flood Mappers

Mapper Name	Sea Level Rise Mapper	Hudson River Flood Impact Decision Support Tool	Coastal New York Future Floodplain Mapper	Sea Level Rise Viewer	Coastal Flood Exposure Mapper	Surging Seas Risk Finder
Distinguishing features	Easy-to-use interface displays sea level rise without storms	Comprehensive tool. Displays both flooding due to future storms and sea level rise, along with assets at risk	Focused on increases in floodplains and risk from wave action due to sea level rise	Interactive display relates sea level rise scenarios to time horizons	Map displays simplified composite flood hazard for combined flood risks	Detailed statistics on impacts by municipality can be easily output in a report
Organization	Scenic Hudson	Columbia University	NYSERDA	NOAA	NOAA	Climate Central
URL	www.scenichudson.org/slr/mapper	www.ciesin.columbia.edu/hudson-river-flood-map	services.nyserdera.ny.gov/SLR_Viewer/About	coast.noaa.gov/slr	coast.noaa.gov/floodexposure	riskfinder.climatecentral.org/
Current 1% ("100-yr") floodplain	✓	✓			✓	
Future 1% ("100-yr") floodplain with sea level rise	✓	✓	✓			
Includes storm scenarios		✓	✓		✓	
Displays water depth	✓	✓		✓	✓	
Displays social vulnerability		✓		✓	✓	✓
Max sea level rise displayed	6ft	6ft	6ft	10ft	10ft	10ft
Additional outputs	Clickable water depth output for any location	Map and stats on infra-structure, natural resilience, and more	Increased floodplain area, number of buildings impacted	Simulated pics of flooded locales, maps marsh migration, social vulnerability, and more	Maps infrastructure, natural resilience, and more	Statistics on infrastructure, and more, and local report with details