

# 34 Flood Zones with Projected Sea Level Rise

5-year flood zone estimated for:

- 2004 water level
- 6-inch projected sea level rise
- 24-inch projected sea level rise
- 48-inch projected sea level rise
- 72-inch projected sea level rise

100-year flood zone estimated for:

- 72-inch projected sea level rise

500-year flood zone estimated for:

- 72-inch projected sea level rise

- Hudson River (baseline water level) or other waterbody

New York State Department of Environmental Conservation (NYSDEC) has adopted official projections of sea-level rise (6 NYCRR Part 490; see table below) as a provision under the Community Risk and Resiliency Act (CRRA). CRRA requires applicants for permits or funding in a number of specified programs to demonstrate that future physical climate risk due to sea-level rise, storm surge, and flooding have been considered, and that NYSDEC considers incorporating these factors into certain facility-siting regulations. Most climate scientists agree that the "high" projections are most accurate given rapid ice melt.

Time Interval	High Projection
2020s	9 inches
2050s	27 inches
2080s	54 inches
2100	71 inches

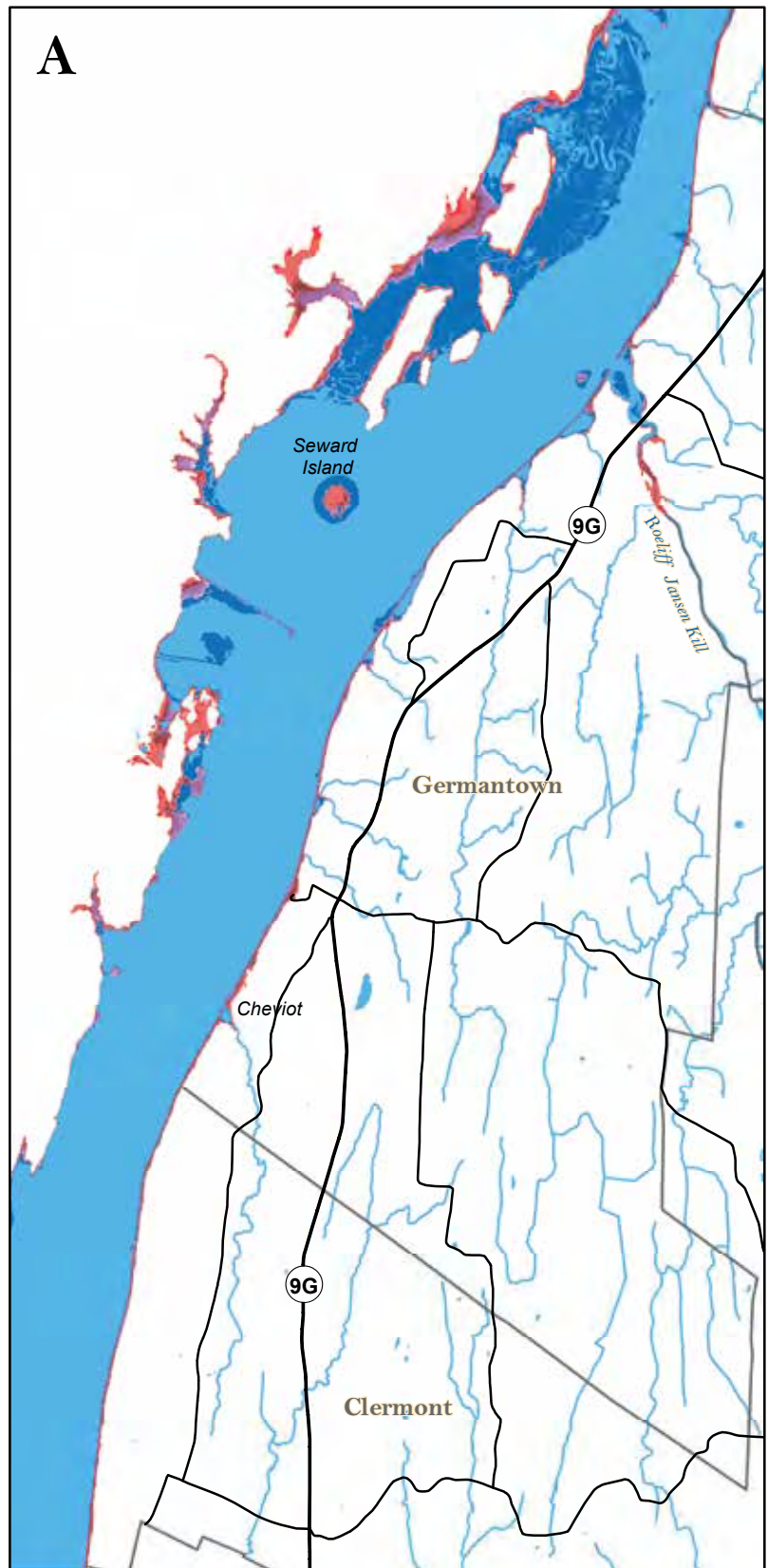


Figure 34. Estimated flood zones (5-year or 20% annual chance, 100-year or 1% annual chance, and 500-year or 0.2% annual chance) at different sea level rise projections along the Hudson River in Columbia County, New York. Map sections shown from south (A) to north (C). Columbia County Natural Resources Inventory, 2018.