

# Village of Rhinebeck Water Treatment Facilities: Flood Risk Matrix

Updated May 31, 2017

H:\WORK\4568.05\Excel\4568.05 Elevation Matrix.xlsx

## 2017 Flood Elevations (ft)

Inundation (MHHW) 3.0  
 1% (100yr) Annual Chance Flood 8.3

## Legend

Y The equipment is vulnerable to flooding or projected to be inundated  
 N The equipment is not vulnerable to flooding or projected to be inundated

		Elevation at which Item is Vulnerable to Flooding (ft)					
		8.5	9.8	5.6	7.2	9.8	25.0
Year	Sea Level Rise (in)	Low Lift Pump Station (Finished Grade)	Low Lift Pump Station (1st Floor)	Access Road (Lowest Point)	Lagoon Culvert (Inv. EI)	Lagoon Berm (Finished Grade)	Water Treatment Plant (Finished Grade)
<b>Potential to be Impacted by a 1% (100yr) Annual Chance Flood</b>							
2017	0	N	N	Y	Y	N	N
2020s	9	Y	N	Y	Y	N	N
2050s	27	Y	Y	Y	Y	Y	N
2080s	54	Y	Y	Y	Y	Y	N
2100	71	Y	Y	Y	Y	Y	N
<b>Potential for Regular Inundation by High Tide</b>							
2017	0	N	N	N	N	N	N
2020s	9	N	N	N	N	N	N
2050s	27	N	N	N	N	N	N
2080s	54	N	N	Y	Y	N	N
2100	71	Y	N	Y	Y	N	N