

Amenia Library Annual Recharge - Summary by Soil Map Unit — Dutchess County, New York (NY027)

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI	*Recharge Rate (in/yr)	Natural Recharge Rate
CxB	Copake-Urban land complex, undulating	A	0.401	100.00%	20.2	0.675016667

Totals for Area of Interest:

0.401 100.00%

0.68

cubic feet

*Amenia, NY - Zoning Code Section 121-15,F

29,403.73

gallons

219,939.87

Amenia Library Daily Water Use

Description	# of Units	Flow Rate per Unit (gal./day)	Total Flow (gallons)
Patrons	44	5	220
Employees	5	15	75

deduct 20% for water saving fixtures: -59

Total Max. Day Use: 236

**NYSDEC Design Standards for Intermediately Sized Wastewater Treatment Systems 2014

Amenia Library Water Consumption***

Use	Total Flow (gallons)	Dilution Factor	Consumption / Day
Nonresidential Use w/ subsurface water discharge	236	6	1,416.00

***Amenia, NY - Zoning Code Section 121-15,G

Consumption / Year
516,840.00