

3.7 Hazardous Materials

Any land use that results in the generation, use, or storage of materials classified as hazardous may be a source of inorganic contamination to ground and surface water. Hazardous materials are classified as substances that pose a danger to living organisms, materials, structures, or the environment by explosion or fire hazards, corrosion, toxicity to organisms, or detrimental effects. Large-scale hazardous materials use and waste storage is regulated by federal, state, and local statute, but household use of small amounts of hazardous materials is rarely adequately regulated (see Table 3.13.1 Potentially Harmful Components of Common Household Products). Small-scale users may accidentally introduce contaminants to groundwater and surface water. There are many types of hazardous substances, often consisting of mixtures of more than one substance. These include the following:

Explosives

Compressed gases

Flammable liquids

Flammable solids that burn readily, are water-reactive, or spontaneously combustible

Oxidizing materials that supply oxygen for the combustion of normally nonflammable materials

Corrosive materials, which may injure exposed flesh or cause disintegration of metal containers

Poisonous materials

Etiologic agents

Radioactive materials

Table 3.7.1

Inactive Hazardous Waste Sites

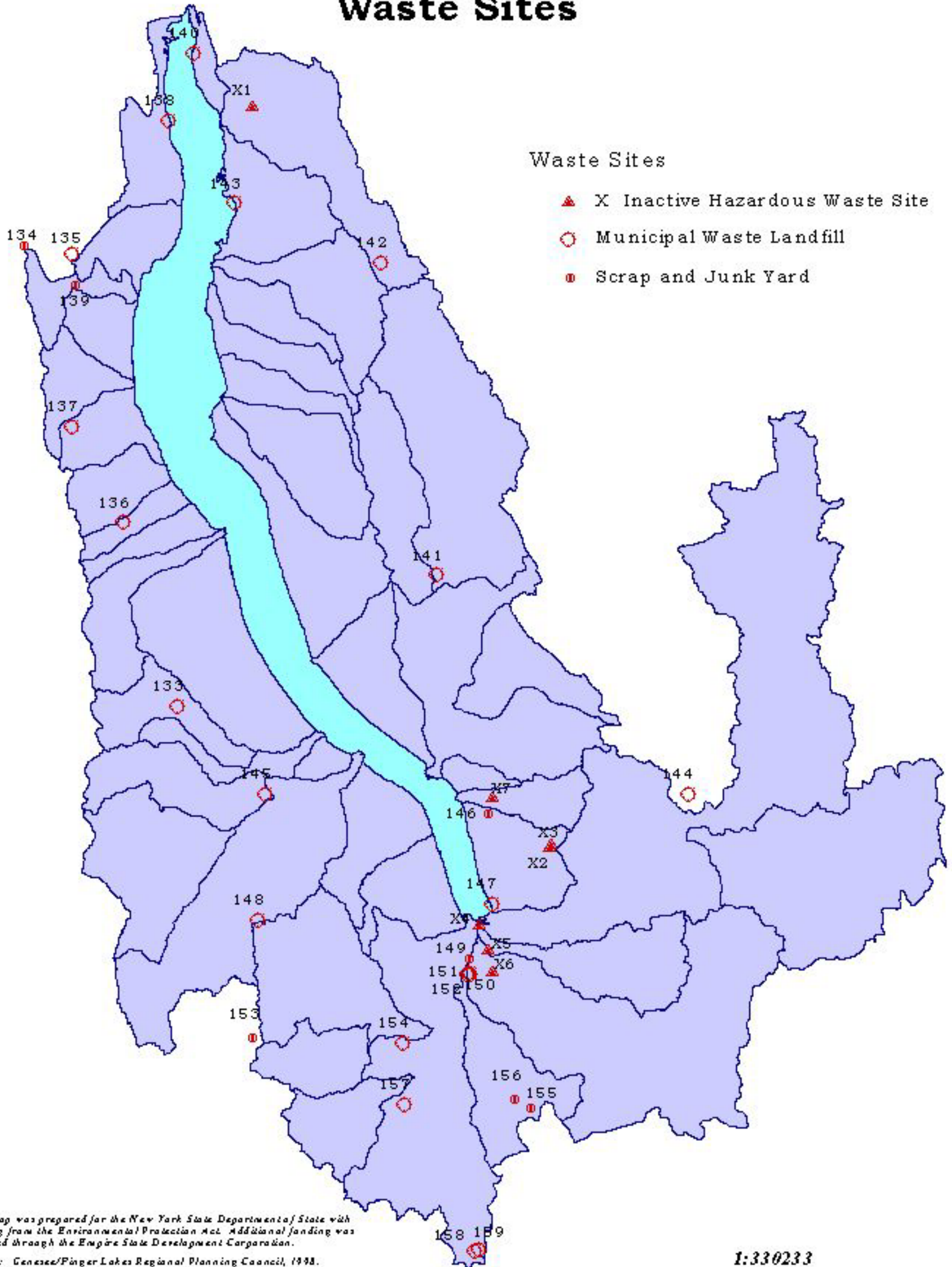
Map Label	Site Name	S Class
X1	Town Line Road Dump Site	2a
X2	Cornell Univ.-Radioactive Disposal Site	3
X3	Cornell University; Chemical Disposal	2
X4	City of Ithaca Fire Training School	D2
X5	NYSEG; Ithaca Court Street Coal Gas	2
X6	Morse Industrial Corporation	4
X7	Colonial Cleaners	2
X8	Evans Chemetics, Div. of Hampshire Chem.	2a
X9	Evans Chemetics; Brewer Road Site	4
X10	Gould Pumps Engineered Products Division	4
X11	Tantalo Landfill	2
X12	Sampson State Park	2a
X13	Seneca Army Depot	2
X14	R.L. Sessler Scavenger Waste Disposal	3
X15	NYSEG - Geneva Coal Gas (Former)	2
X16	Seneca Meadows Landfill	4

S Class

- 2 Significant threat to the public health or environment - action required
- 2a This temporary classification has been assigned to sites where there is confirmed disposal of a hazardous waste but for which there is inadequate data on hazardous waste impact to the environment and human health to assign them to the five classifications specified by law.
- 3 Does not present a significant threat to the environment or public health - action may be deferred
- 4 Site properly closed requires continued management
- D Delisted

Source: NYSDEC Inactive Hazardous Waste Sites

Cayuga Lake Watershed Waste Sites



This map was prepared for the New York State Department of State with funding from the Environmental Protection Act. Additional funding was provided through the Empire State Development Corporation.

Source: Genesee/Finger Lakes Regional Planning Council, 1998.
New York State Department of Real Property Services, 1998.
Tompkins County GIS Program, 1999.
New York State Department of Environmental Conservation,
Director of Hazardous Waste Remediation, 1999.

Base Map: New York State Department of Transportation, February 1996.

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Prepared by Genesee/Finger Lakes Regional Planning Council, 1998.

There are several inactive hazardous waste sites in the watershed. As Map 3.7.1 and Table 3.7.2 indicate, most of these are along the southern end of the lake.