

NOAA Hazardous Waste Site Report

Sayreville Pesticide (II-60)  
 Sayreville Borough, Middlesex County, New Jersey  
 April 13, 1984

Location and Nature of Site:

Sayreville Pesticide is a one-acre site of buried and exposed drums. Approximately 200 drums were reported visible in 1981. In April 1981, the New Jersey Department of Environmental Protection Division of Waste Management sampled the contents of two of the drums and found the presence of hazardous materials.

Proximity of Chemical Hazard to Marine Resources:

There is no visible route for surface water from the site to enter the Raritan River some .75 miles distant. Contamination would have to travel with the groundwater flow for it to reach the Raritan River. The frequency with which high chemical contamination would reach the river is very low.

Table 1. Fishery Resources of the Tidal Regions  
 Raritan River

Finfish Species	Adult Habitat	Spawning Area	Nursery Area	Comm. Fish.	Rec. Fish.	Migr. Route
<u>Anadromous</u>						
Alewife		x	x	x	x	
Blueback herring		x	x	x	x	x
American shad						x
Striped bass				x	x	
<u>Non-anadromous</u>						
White perch		x	x	x	x	x
Weakfish					x	
Bluefish					x	
Bay anchovy		x	x			
<u>Shellfish</u>						
Eastern oyster	x	x	x	x	x	
Hard clam	x	x	x	x	x	
Blue crab	x	x	x	x	x	

The Raritan River and nearby estuaries support commercial and recreational fisheries, and are spawning and nursery areas for many marine organisms.

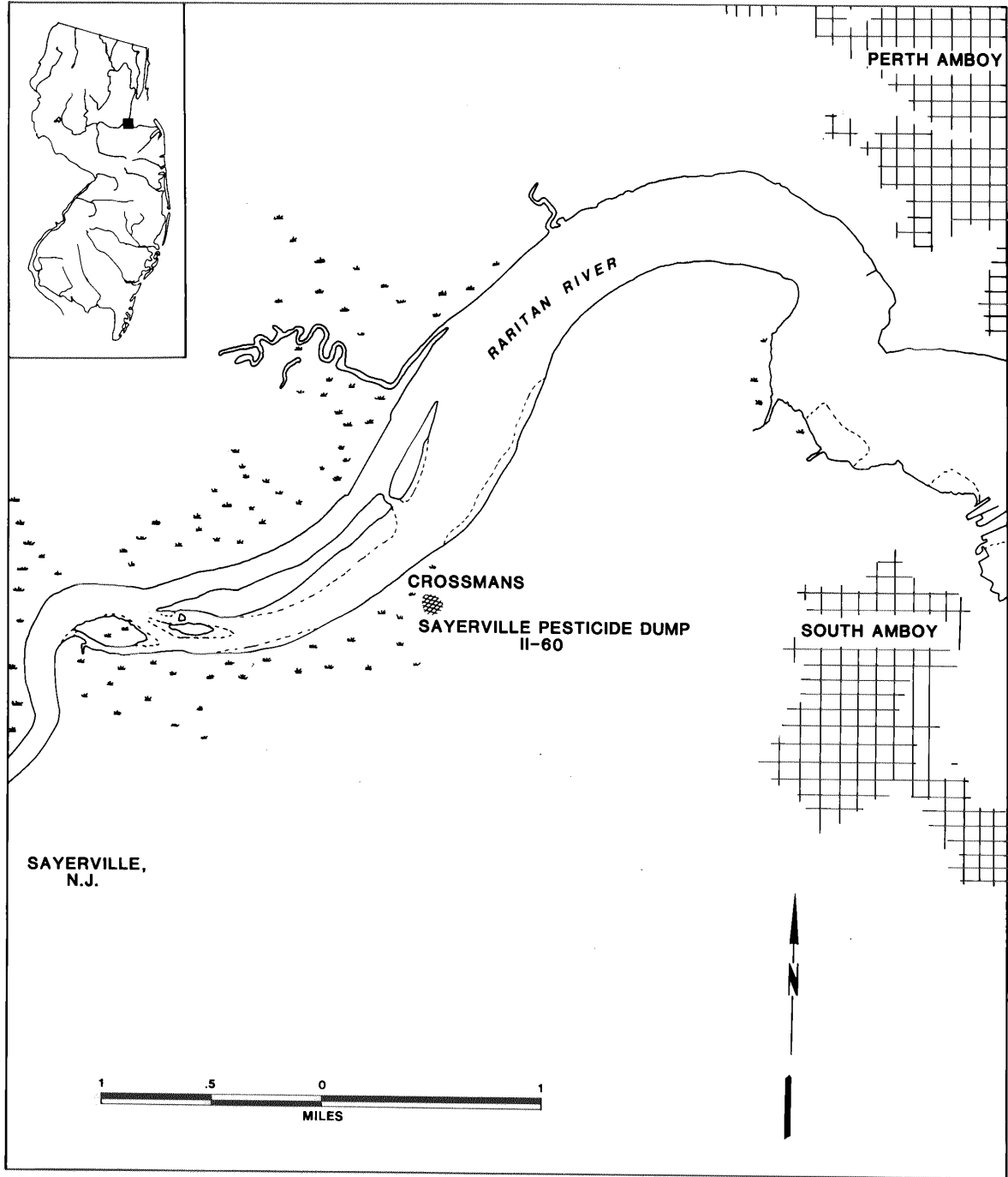


FIGURE 1. Site location.

The southern shore of Raritan Bay and Sandy Hook Bay are important commercial and recreation harvesting areas for shellfish and finfish.

The Raritan River is a spawning area for alewife and blueback herring and at one time was also a striped bass and American shad spawning area (6). The Raritan Bay area is a nursery area for many fish and shellfish.

Tidal wetlands are present throughout the lower parts of Raritan River and in some areas of the southern shore of Raritan Bay.

Great blue heron and osprey nest at Gateway National Recreation Area.

Summary of Site-Related Actions:

A feasibility study is planned for the site.

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References:

1. National Marine Fisheries Service, 1974. Anglers Guide to the United States 2. Atlantic Coast.
2. U.S. Fish and Wildlife Service, 1980. Atlantic Coast Ecological Inventory.
3. Berg, D.L. and J.S. Levinton, 1984. The Biology of the Hudson-Raritan Estuary, with Emphasis on Fishes. Department of Ecological Evolution, State University of New York.
4. Breder, C.M. and D.E. Rosen, 1966. Modes of Reproduction in Fishes. TFH Publications.
5. Research Planning Institute. Environmental Sensitivity Index - New Jersey. Unpublished.
6. Zich, H.E., 1977. The collection of existing information and field investigation of anadromous clupeid spawning in New Jersey. New Jersey Department of Environmental Protection Misc. Report No. 41.