

## NOAA Hazardous Waste Site Report

Bog Creek Farm (II-65)  
Howell Township, New Jersey  
April 13, 1984

### Location and Nature of Site:

Bog Creek Farm is an inactive, two-acre site on a privately owned 12-acre parcel of property (Figure 1). In the past, 55-gallon drums have been illegally dumped on the site, or opened, and poured directly into the property. Pools of oily and chemical wastes are mixed with debris, including farm waste, old coops and brooders, rubbish, and animal carcasses. Noxious chemical odors from the site have been reported and confirmed. Samples from the on-site pond, the bog area, and water and sediment from the north branch of Squankum Brook show high levels of carcinogens and other priority pollutants. Exact data on levels of chemical contaminants and the degree of hazard posed by the site was not present in available EPA files.

### Proximity of Chemical Hazard to Marine Resources:

Bog Creek Farm is adjacent to a bog area and the north branch of the Squankum Brook. Squankum Brook feeds into the Manasquan River and helps comprise the headwaters of the proposed Manasquan Reservoir Project. The Manasquan River system flows into the Atlantic Ocean and provides a valuable fishery resource. The New Jersey Department of Environmental Protection (DEP) Fisheries Bureau considers the river as one of New Jersey's major trout streams.

### Marine Resources at Risk:

The Manasquan River and its estuaries provide habitat for a variety of finfish and shellfish resources (see Table 1). Anadromous fish migrate past Manasquan River during the early spring on their way to freshwater spawning grounds. Some anadromous fish enter the river, but it is not an important spawning area. Many marine species can be found in the nearshore waters here all year as adults or larvae.

This area is also an important wintering area for many migratory waterfowl. There are two osprey nesting sites within four miles of this site.

Manasquan Fish and Wildlife Management Area is located two miles downstream of the site, and Allaire State Park is one mile north. The bog turtle, a species of special state concern, is present at the Park.

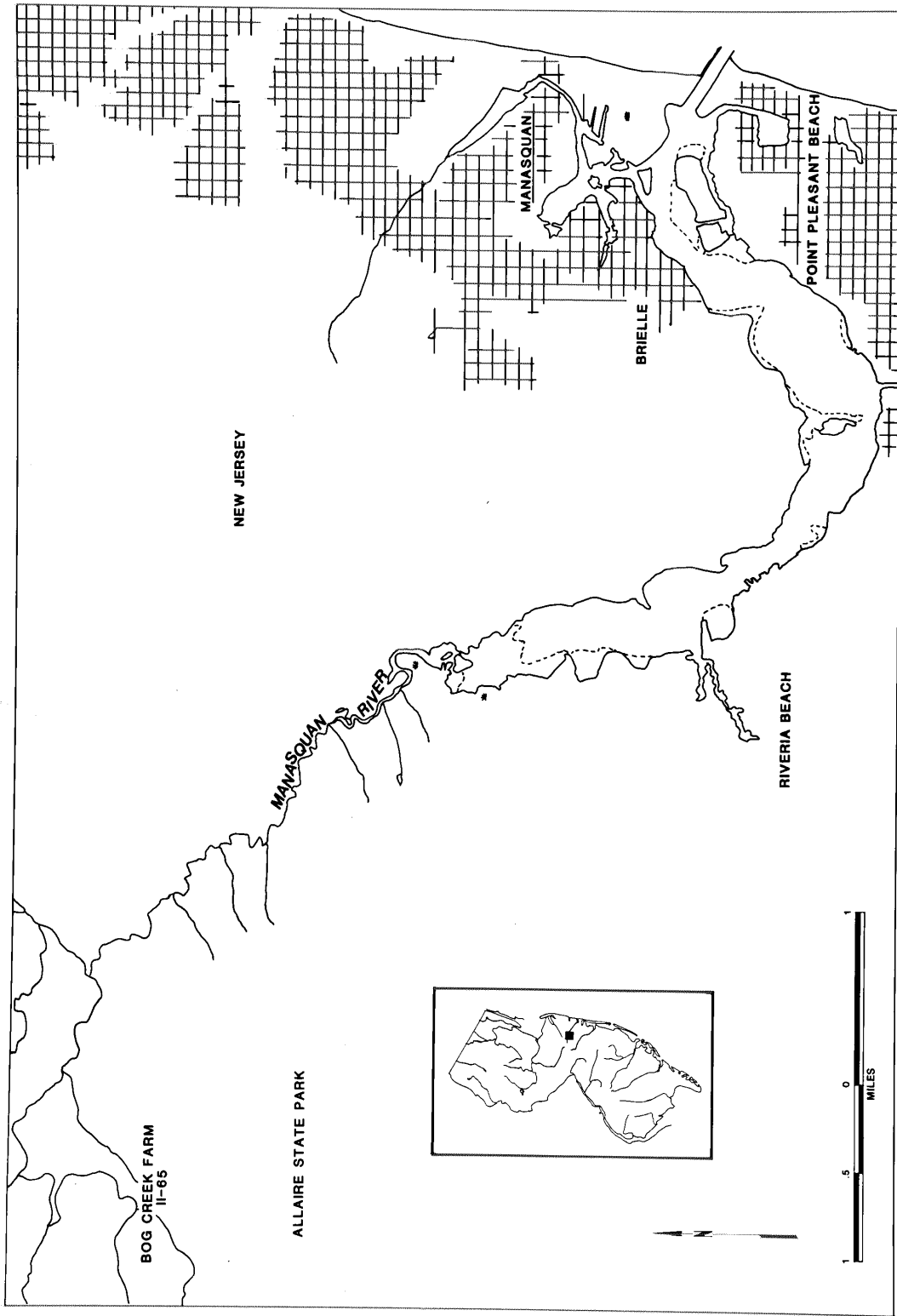


FIGURE 1. Site location.

Table 1. Fishery Resources of the Manasquan River and Adjacent Nearshore Areas (1,2,4)

Finfish Species	Adult Habitat	Spawning Area	Nursery Area	Comm. Fish.	Rec. Fish.	Migr. Route
<u>Anadromous</u>						
Alewife	x					x
Blueback herring	x					x
Shortnose sturgeon						x
Atlantic sturgeon						x
Striped bass	x			x	x	x
Gizzard shad	x					x
<u>Non-anadromous</u>						
Atlantic menhaden	x			x		
White perch	x			x	x	x
Flounder	x		x	x	x	
Bluefish	x			x	x	
Atlantic croaker	x		x			
Spotted seatrout	x	x			x	
Black drum		x			x	
Silver perch		x	x		x	
Bay anchovy	x	x				
Hake	x			x	x	
Spot	x				x	
<u>Shellfish</u>						
Blue crab	x	x	x	x	x	
Hard clam	x	x	x	x	x	
Eastern oyster	x	x	x	x	x	

Summary of Site-Related Actions:

A scope of work plan is currently under revision by the New Jersey DEP. A U.S. Environmental Protection Agency-State of New Jersey cooperative agreement is expected after a Remedial Action Master Plan is completed. The present EPA and New Jersey DEP files on this site are outdated.

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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.

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4. Research Planning Institute. Environmental Sensitivity Index - New Jersey. Unpublished.
5. 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 41.
6. New Jersey Department of Environmental Protection, 1983. Hazardous Waste Site Report. August 1983.