

Krysowaty Farm (II-132)
Hillsborough Township, New Jersey
30 June 1985

Location and Nature of Site

The Krysowaty Farm site is located along a ravine on a 42-acre farm in an area of mixed residential and agricultural properties, approximately 450 meters from the South Branch of the Raritan River. Various chemicals, including paint and dye waste, oils, and sludges were disposed in bulk along the ravine from 1965 to 1970. Both groundwater beneath the site and the surface water are heavily contaminated with toluene, naphthalene, trans-1,2-dichloroethylene. It is estimated that a minimum of 500 drums of waste plus unknown quantities of solvents and sludges were dumped at the site.

The Remedial Action Master Plan (RAMP) for the site was finalized in March 1983. A Record of Decision (ROD) was signed in June 1984 identifying remedial actions for the Krysowaty Farm site.

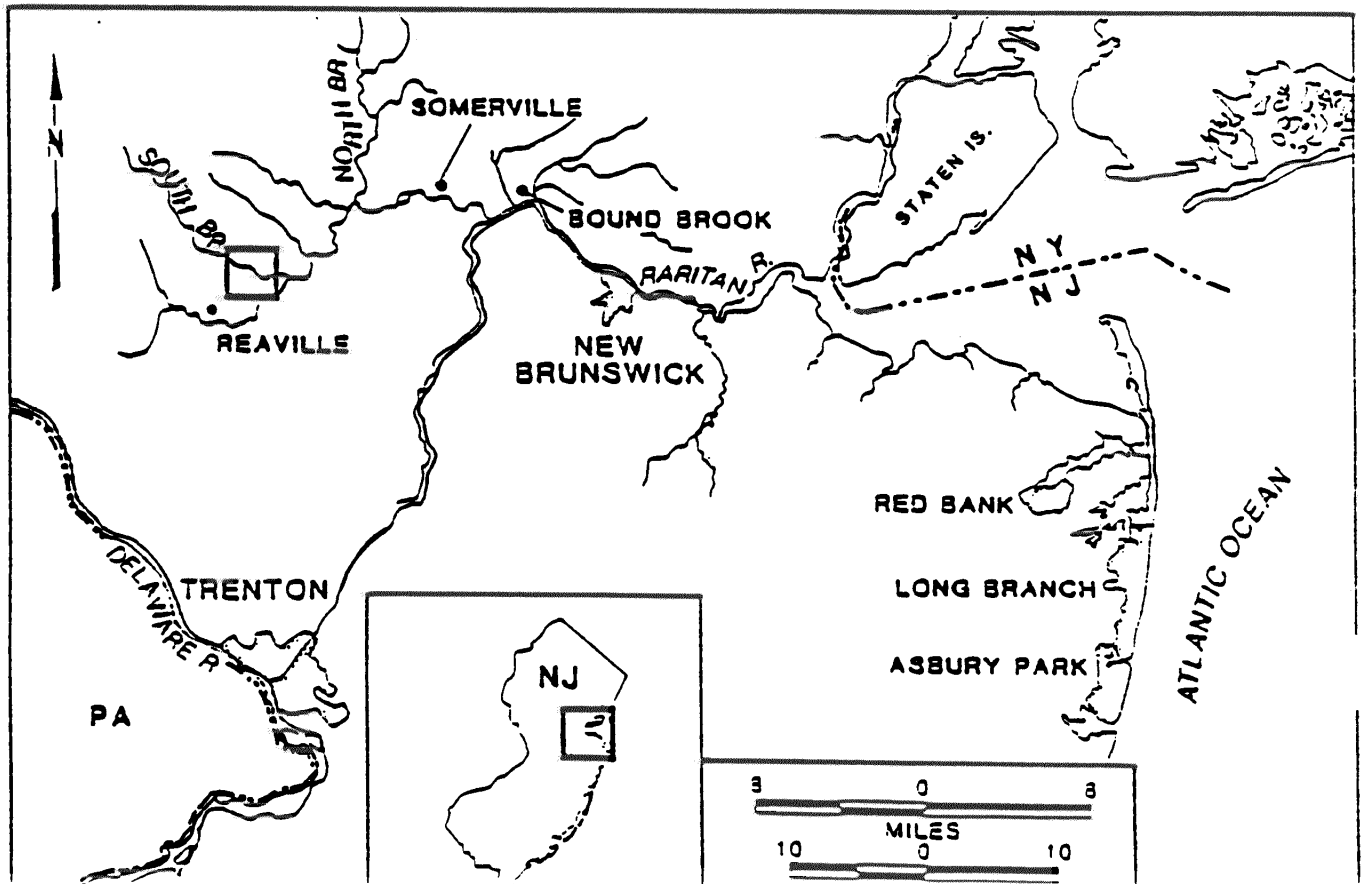
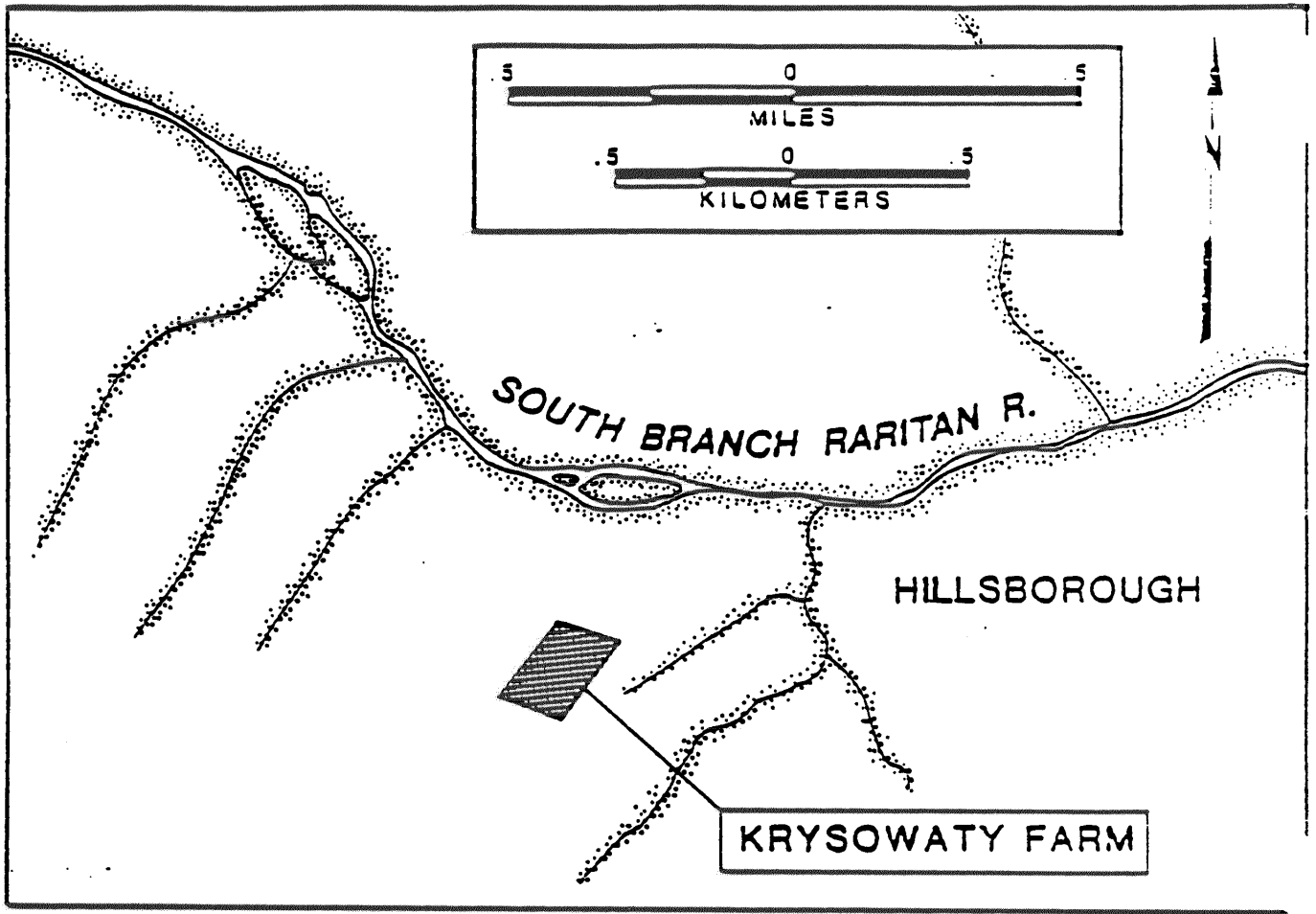
It is expected that design work for the excavation and removal portion of the project will be completed by March 1985. Removal is scheduled to begin in June 1985 and to be completed by October 1985.

Krysowaty is ranked by New Jersey as 13th in priority of sites on the NPL

Proximity of Chemical Hazard to Marine Resources

Groundwater beneath the site contains significant levels of chemical contamination. The site is situated in a fractured rock groundwater system which makes determination of contaminant migration difficult. The surrounding residences are dependent on well water from this potable water supply. The wells may be threatened by offsite migration of the contaminants.

The pathway for chemical contamination from the site to the Raritan River is through surface and groundwater flow. EPA sampling of the stream emanating from the ravine below the dump site detected toluene,



trans-1,2-dichloroethylene, and naphthalene. These chemicals are highly volatile and relatively soluble for organic compounds, and would be somewhat persistent in the environment. Sampling and analysis to determine types and levels of chemical contamination entering the Raritan River from this site has not been accomplished nor is it now planned.

Marine Resources at Risk

This waste site is located on the South Branch of the Raritan River approximately 15 kilometers upstream of the confluence of the North and South Branches of the Raritan River and 35 kilometers upstream of Calmo Dam.

The New Jersey Department of Fish & Game has been conducting a restoration program for American shad in the Raritan River above Bound Brook since 1980. Adult American shad are captured in the Delaware River and transported to the North and South Branches of the Raritan River for stocking. The intent of this program is to re-establish spawning runs in the river. As of 1985, there has been no evidence of shad return runs or spawning as a result of these efforts.

The Calmo Dam represents the first formidable barrier to upstream migrations of anadromous fish. Upstream migrations can only pass over this structure during spring flooding.

Site Chronology

- 1965-70 Alleged disposal of chemicals, paint, and dip waste on site.
- May 1982 EPA sampling of surface water in the stream below the site.
- Dec. 1982 EPA and New Jersey Department of Environmental Protection execute cooperative agreement.
- March 1983 RAMP finalized.
- June 1984 Record of Decision outlines cost-effective remedy
- June-Oct. 1985 Removal action scheduled.

NOAA Reviewer: Gary Ott, SSC NOAA Hazardous Materials Response Branch
EPA Contact Ray Basso, Chief
New Jersey Site Investigation and Compliance Section

References

CERCLA Implementation Report, 1984. U.S. Environmental Protection Agency Region II, Hazardous Waste Site Branch.

Hazardous Waste Site Report, 1983. New Jersey Department of Environmental Protection.

Hazardous Ranking System Report, 1985. U.S. Environmental Protection Agency Region II.