US Army Corps of Engineers
Buffalo District

Recent Aerial Photo

200.1e

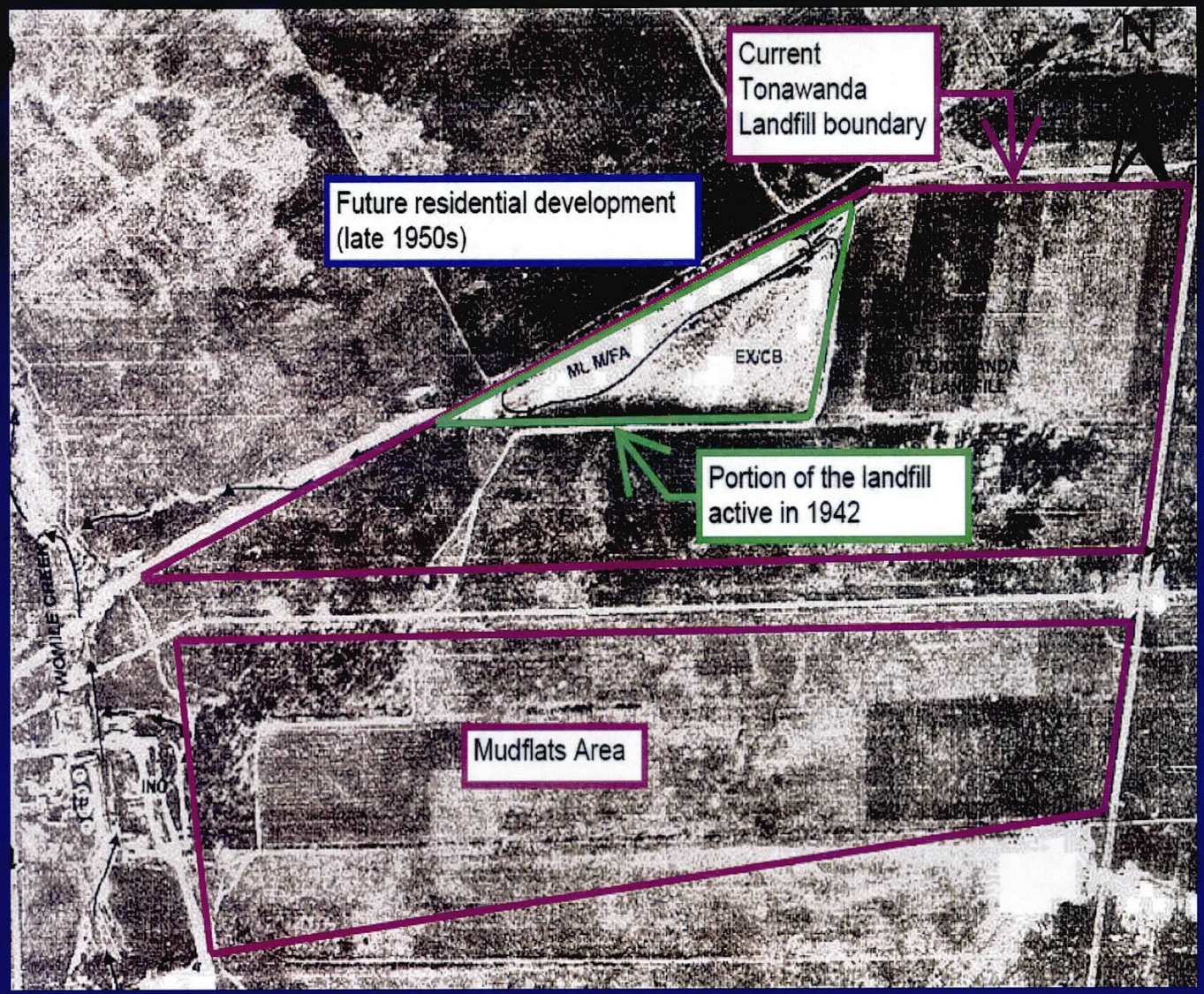
Tonawanda_08.10_0016_a

US Army Corps of Engineers
Buffalo District

1942 Aerial Photo

Town of Tonawanda Landfill accepted municipal waste, incinerator ash, and sludge from the 1930s to 1989.

Mudflats Area was vacant except for Town's incinerator.



US Army Corps of Engineers
Buffalo District

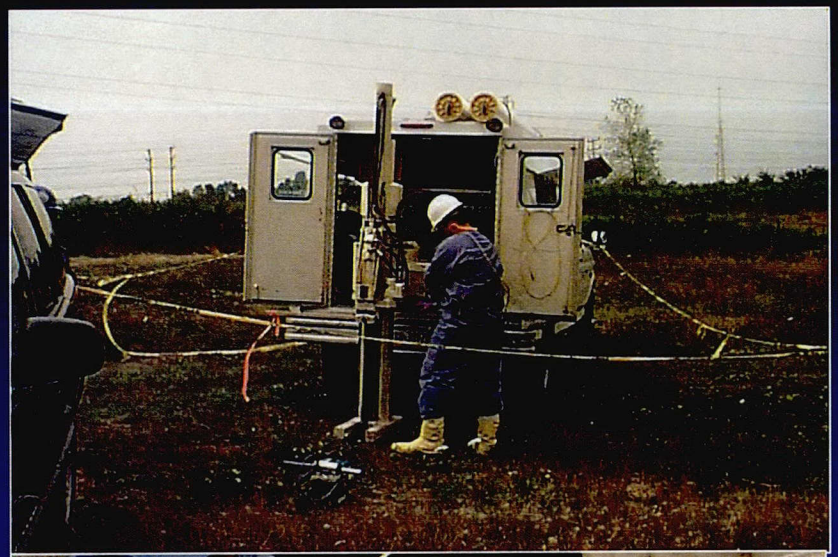
Investigation Rationale

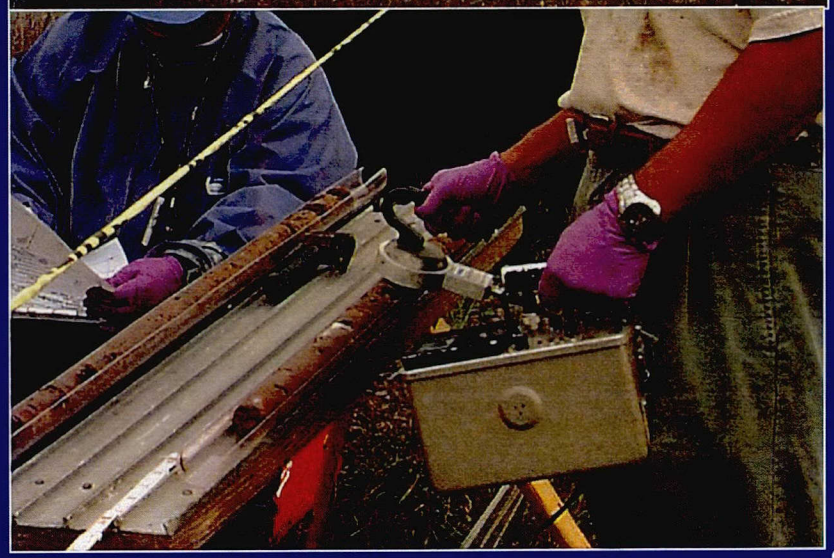
- The Corps considered the presence of residences adjacent to the landfill, and the fact that some residents use the landfill for recreational purposes
- The Corps:
  - Surrounded areas previously identified by DOE with additional samples
  - Sampled along the residential fence line in the landfill
  - Evaluated risks to residents coming onto landfill

US Army Corps of Engineers
Buffalo District

FUSRAP Sampling

- 600 soil samples collected from the Landfill and Mudflats, at depths up to 24 feet
- Groundwater samples collected from 14 wells in Landfill and Mudflats
- Samples analyzed for uranium, radium and thorium

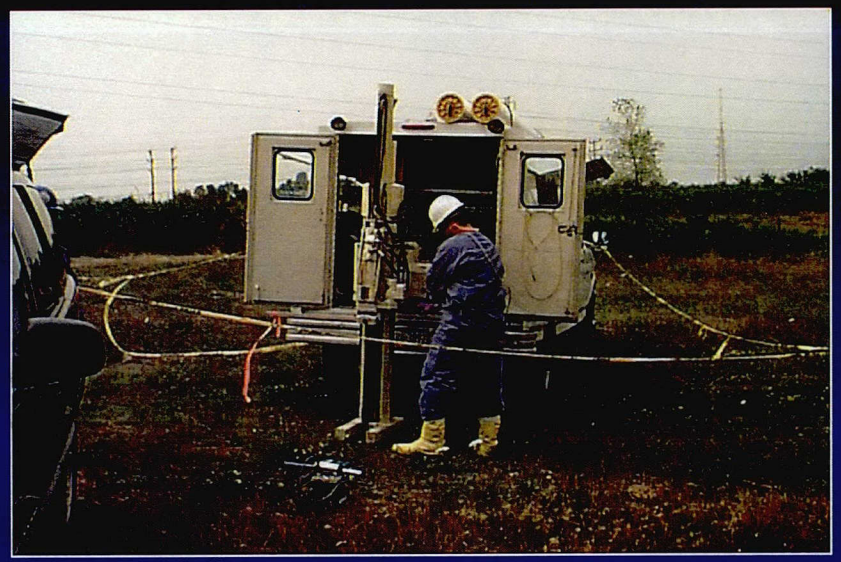




US Army Corps of Engineers
Buffalo District

Groundwater Sampling Results

- Groundwater is not a public water source for the area
- The well closest to the residential area did not exceed Federal drinking water limits
- Of 14 wells sampled - only 1 had uranium exceeding Federal drinking water limits



Field Work – Soil Sampling

US Army Corps of Engineers
Buffalo District

Soil Sampling Results

- All sample locations within 50 feet of the residential fence line had results at normal background levels
- In the Landfill, 40 sample locations had results above normal background levels
- In the Mudflats, only 2 sample locations had results above normal background levels

Field Work – Soil Sampling

US Army Corps of Engineers
Buffalo District

Written Comments

Written comments should be postmarked by June 26, 2007 and mailed to:

U.S. Army Corps of Engineers
FUSRAP Information Center - Tonawanda Landfill
1776 Niagara Street
Buffalo, NY 14207

e-mail us at : fusrap@usace.army.mil

US Army Corps of Engineers
Buffalo District

For More Information

FUSRAP Questions

- By phone: 716-879-4396
  800-833-6390
- By e-mail: fusrap@usace.army.mil
- By writing: U.S. Army Corps of Engineers
  FUSRAP Information Center
  1776 Niagara Street
  Buffalo, NY 14207
- On the web: www.lrb.usace.army.mil/fusrap