Commonwealth of Massachusetts

MADPH

- License Status
- Recent Activities / Inspections

MADEP

- Update on Planned Drum Removal
- Role in Superfund Process

de maximis, inc.

Company Background:

- **Manages complex environmental investigation and remediation projects.**
- **Has managed work at > 90 Superfund Sites**
  - **11 Superfund Sites in New England**
- **General Contractor for all work required by RI/FS Administrative Order by Consent**

de maximis, inc.

Project Coordinator Background:

- **Has managed work at 10 Superfund sites**
- **12 years of experience across all phases of the remedial process:**
  - **Remedial Investigations / Feasibility Studies**
  - **Remedial Designs / Remedial Actions**
  - **Removal Actions**
- **B.S., US Naval Academy, 1985**

RI/FS Process

Prepare Work Plans

↓

Implement Field Investigation

↓

Prepare Human Health and Ecological Risk Assessments

↓

Prepare Remedial Investigation Report

↓

Prepare Feasibility Study Report

Approach to RI/FS Work Plan

- Evaluate Available Information
- Develop Site Conceptual Model (describe possible release and migration pathways)
- Divide Site into Areas of Investigation
- Design Investigation to Obtain Data to:
  - Delineate nature and extent of contamination
  - Perform human health and ecological risk assessments
  - Support analysis of remedial alternatives
  - Support selection of a remedy for the Site

RI/FS Work Plan

Document will include:

- **Project Summary and Operations Plan**
- **Site Management Plan**
- **Sampling and Analysis Plan**
  - **Field Sampling Plan**
  - **Quality Assurance Project Plan**
- **Health and Safety Plan**
- **Risk Assessment Plan**
- **Modeling Plan**
- **Community Involvement Support Plan**

Due to Agencies in December 2003

Agencies — US EPA, MADEP, and MADPH

Community

Project Coordinator and General Contractor — de maximis, inc.

Subcontractors for RI/FS Work Plan

Gradient CORPORATION

Peer Review, focus is Risk Assessment

MACTEC

Preparing Comprehensive RI/FS Work Plans

GeoSyntec Consultants

Technical Peer Review, Groundwater Modeling, Database and Website Management

MACTEC

Nelson Walter, PE, LSP
Project Principal

Mark Salvetti, PE
Project Manager

RI SCOPING

Nadia Glucksberg, CG

Hydrogeology - Eric Sandin, CG

GROUNDWATER MODELING / GEOCHEMISTRY

Ronald Lewis

RISK ASSESSMENT SCOPING

Human Health

Jay Peters

Ecological

Andrea Fogg

FS SCOPING

Eugene Shephard, PE

HEALTH PHYSICS ISSUES

Peter Collopy, CIH, CHP. REM

Heath Downey, CHP

GeoSyntec Consultants

Peter Zeeb, Ph.D., PG, LSP
Principal-in-Charge

Douglas Larson, Ph.D., PE
Project Manager

Data Management/GIS and Website

Manager: Paula Chang, MSE
Team: Jeffrey Rogers (GIS)
Marcus Quigley, PE (Database)
Bryan Heald (Programming)

Work Plan Review

Manager: Maureen Leahy, Ph.D.
Team: Kevin Finneran, Ph.D.
Paula Chang, MSE
Peter Zeeb, Ph.D., PG, LSP

Groundwater Modeling

Team:
Carl Elder, Ph.D.
Peter Zeeb, Ph.D., PG, LSP

Peter A. Valberg, Ph.D.
Principal-in-Charge

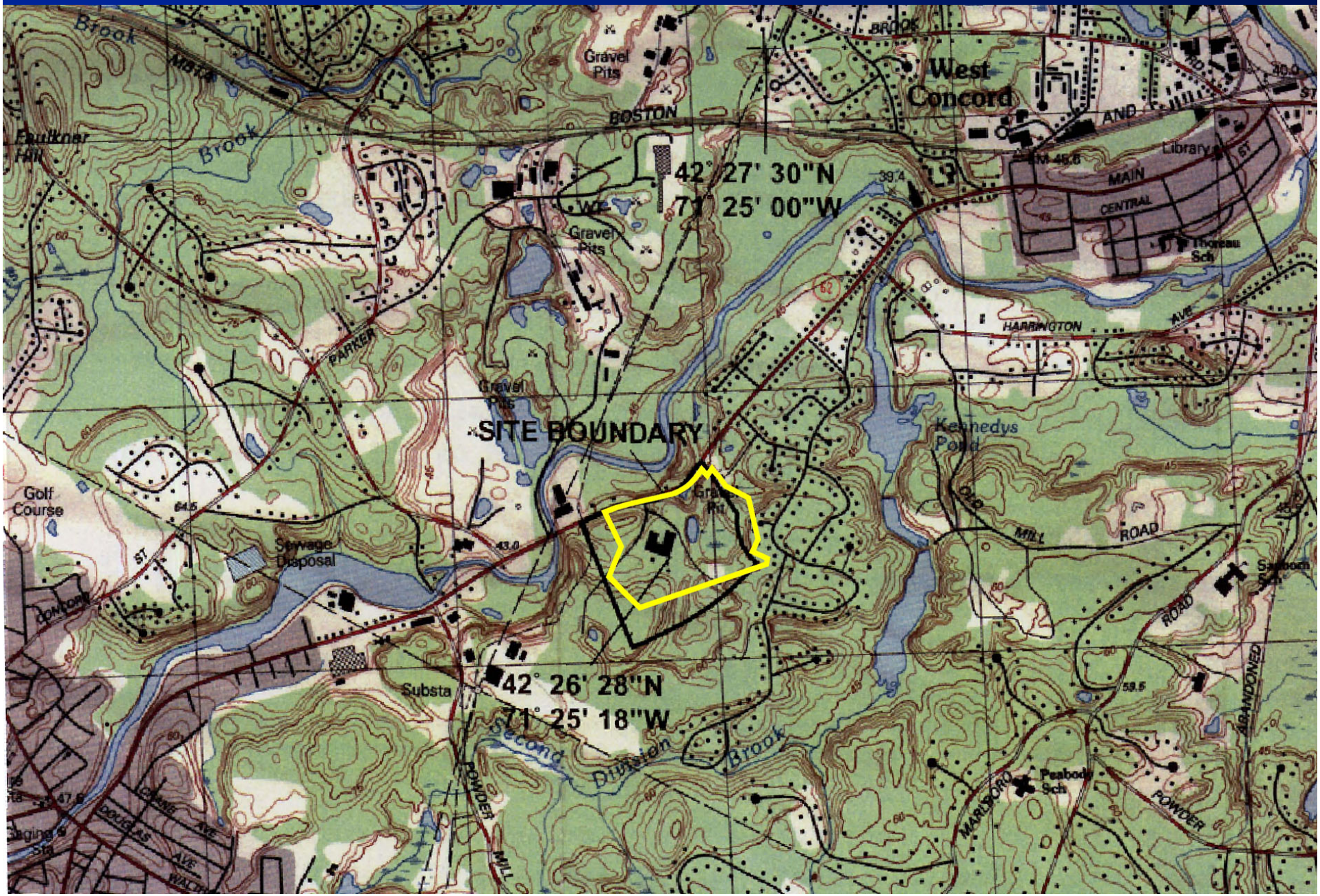
David E. Merrill, M.S.
Assistant Principal-in-Charge

Christopher M. Long, Sc.D.
Exposure Assessment Project Manager

AIR MODELING	GROUNDWATER MODELING	ECOLOGICAL RISK ASSESSMENT	DATA QUALITY AND USABILITY	TOXICOLOGY	METALS GEOCHEMISTRY
Peter J. Drivas, Ph.D.	Manu Sharma, M.S., P.E.	Richard Blanchet, M.S.	A. Dallas Wait, Ph.D.	Barbara D. Beck, Ph.D., DABT	Teresa S. Bowers, Ph.D.

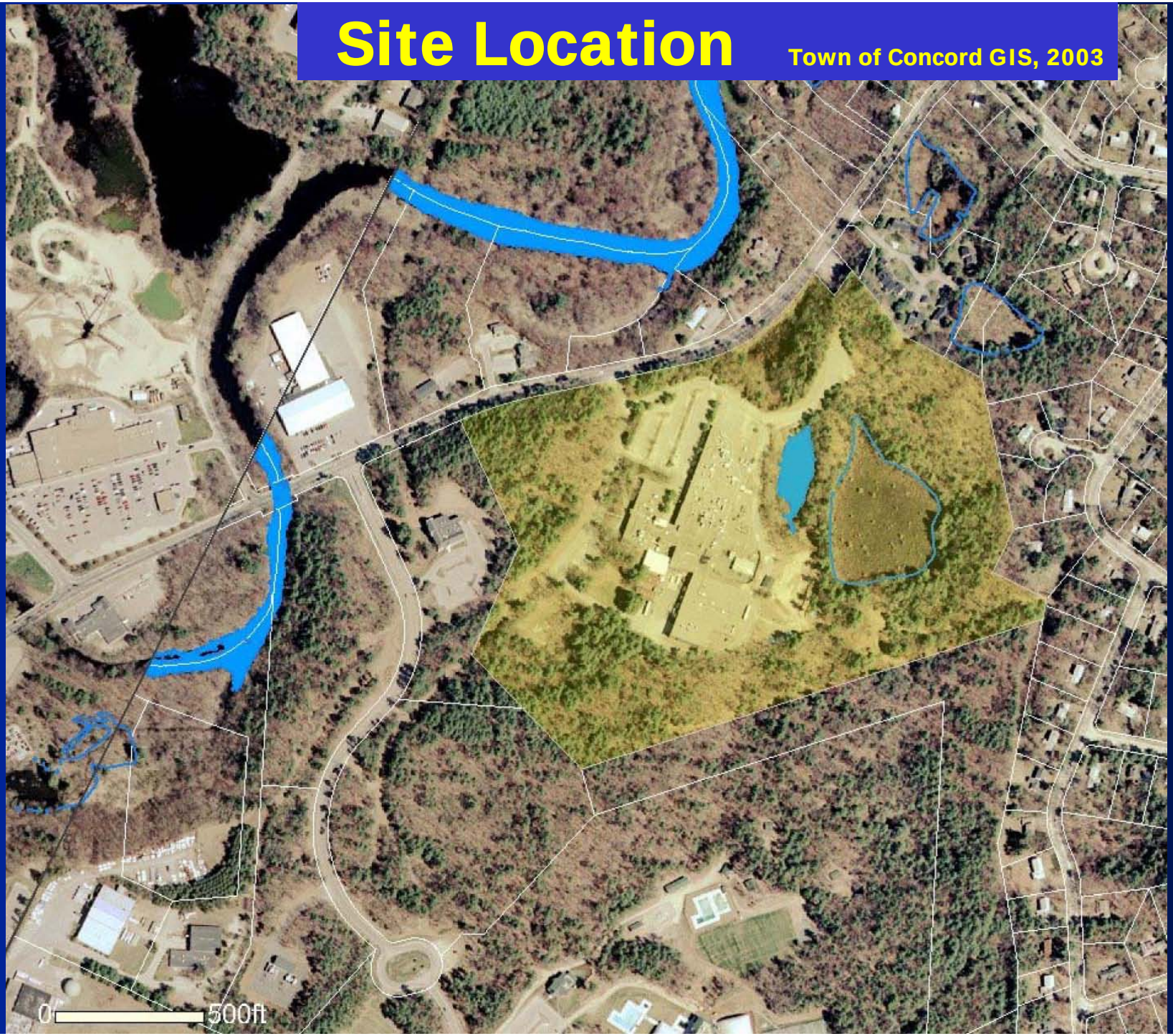
Site Vicinity

USGS Quadrangle, Maynard, MA 1983

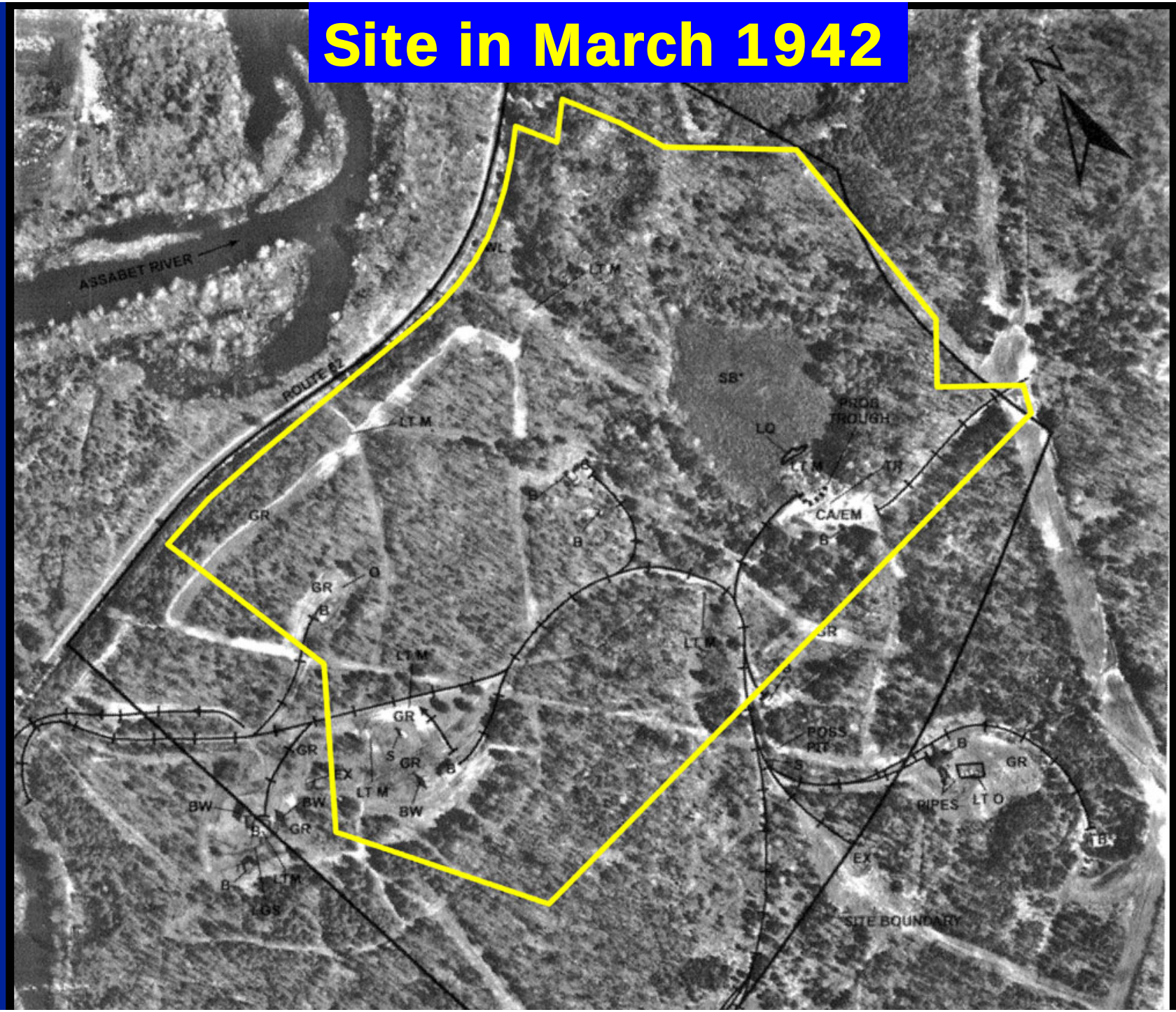


Site Location

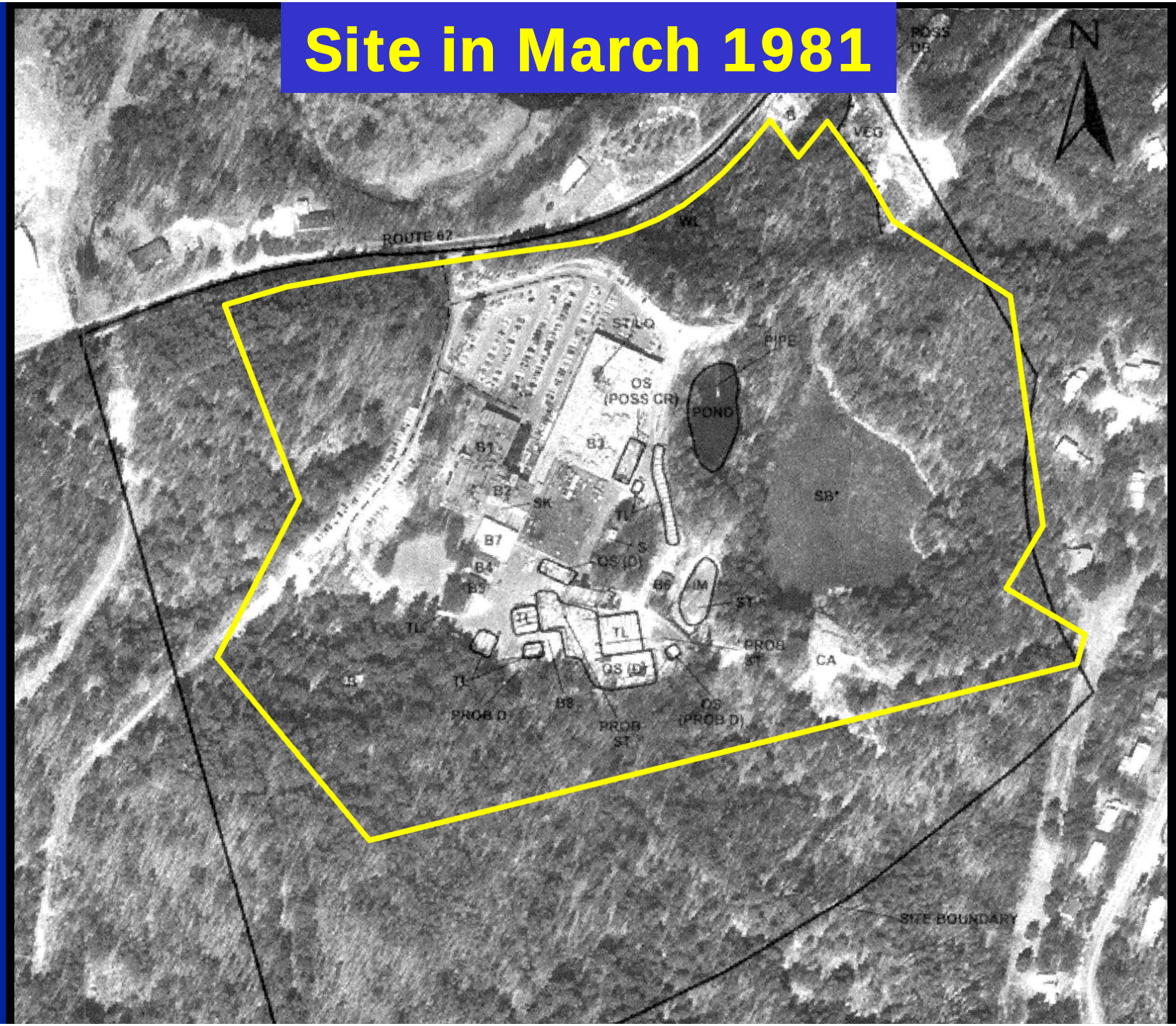
Town of Concord GIS, 2003



Site in March 1942



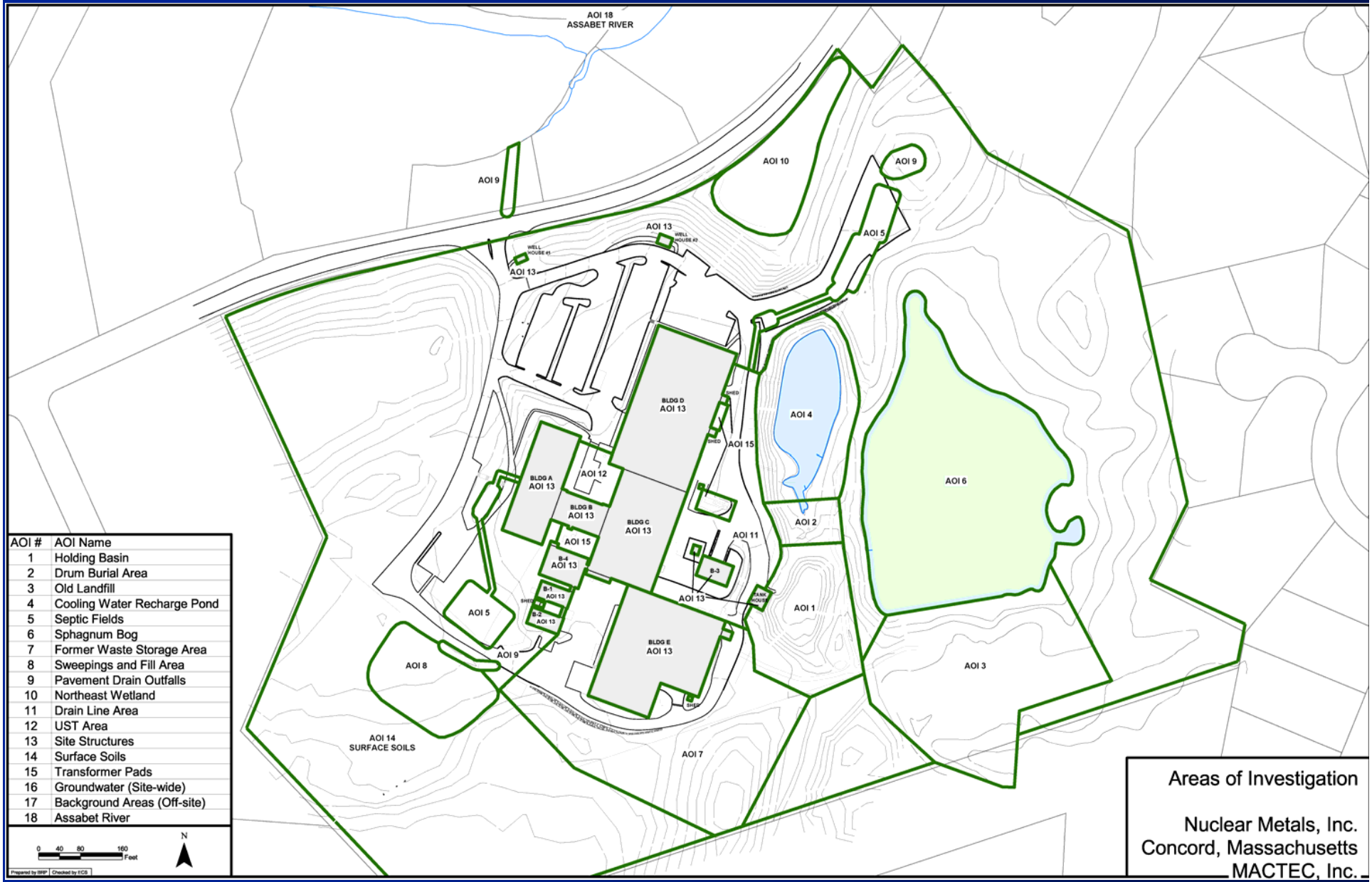
Site in March 1981



Proposed Areas of Investigation

1	Holding Basin	10	Northeast Wetland Area
2	Drum Burial Area	11	Drain Lines Area
3	Old Landfill Area	12	Fuel Oil Tank Area
4	Recharge Pond	13	Buildings and Structures
5	Septic Fields	14	Surface Soils
6	Sphagnum Bog	15	Transformer Pads
7	Former Waste Storage Area	16	Site-Wide Groundwater
8	Sweepings and Fill Areas	17	Background Areas (Off-Site)
9	Pavement Drain Outfalls	18	Assabet River Surface Water and Sediment

Proposed Areas of Investigation



Public Involvement in RI/FS

- At minimum, Public Meetings will be held prior to, and after submitting major documents.
- CREW Concord and the 2229 Main Street Committee will be closely involved in the process, and will review all major documents.
- The community will be able to review and comment on the proposed remedy prior to selection by EPA.
- Project Website at WWW.NMISite.Org
  - Provides prior investigation reports
  - Will provide information as RI/FS proceeds

Points of Contact

Title	Name	Phone #	E-Mail Address
EPA Project Manager	Melissa Taylor	617-918-1310	Taylor.MelissaG@epa.gov
EPA Community Relations	Angela Bonarrigo	617-918-1034	Bonarrigo.Angela@epa.gov
MADEP Project Manager	Dan Keefe	617-292-5940	Daniel.Keefe@state.ma.us
MADPH Project Manager	Steve Larson	617-727-6214, x2038	Stephen.Larson@state.ma.us
de maximis Project Coordinator	Bruce Thompson	860-651-1196	brucet@demaximis.com
Project Website:		WWW.NMISite.Org	