

135SERBSF10,609

135SERBSF10,609

Site Name (Subject): NORTHEAST CHEMICAL COMPANY

Site ID (Document ID): NCSFN0406973

Document Name (DocType): Removal (RMVL)

Report Segment: _____

Description: Immediate Removal Correspondence, 2000 - 2001

Date of Document: 3/29/2001

Date Received: _____

Box: *Enter SF and # with no spaces* SF10,609

Access Level: PUBLIC

Division: WASTE MANAGEMENT

Section: SUPERFUND

Program (Document Group): SERB (SERB)

Document Category: FACILITY

**Print Report for
Record**

**Go to New
Blank Record**

**Go to New Record -
(default to last
record values)**

Delete Record

TRIP NOTIFICATION AND AUTHORIZATION FORM

Program:

- | | |
|--|---------------------------------------|
| <input checked="" type="checkbox"/> CERCLA Site Assessment | <input type="checkbox"/> Brownfields |
| <input type="checkbox"/> State | <input type="checkbox"/> MGP |
| <input type="checkbox"/> NPL/DOD | <input type="checkbox"/> Dry Cleaners |

Site Name:	Northeast Chemical
ID Number:	NCSFN 0406 973
Street Address:	2500 US Hwy 421 N
City:	Wilmington
County:	New Hanover

Date(s) of Trip 03/29/01	Trip Canceled: _____	Trip Rescheduled (Date): _____
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Reason For Trip: Removal oversight, info gathering prior to Risk Assessment, sample one well (no preservative will be used)

(if sampling, check appropriate boxes below)

- | | |
|---|--|
| <input type="checkbox"/> Surface Soil | <input type="checkbox"/> Groundwater (bailers) |
| <input type="checkbox"/> Subsurface Soil | <input type="checkbox"/> Groundwater (pumps) |
| <input type="checkbox"/> Using Augers/Shovels to collect soil | <input type="checkbox"/> Surface Water |
| <input type="checkbox"/> Using Little Beaver to collect soil | <input type="checkbox"/> Sediment |
| <input checked="" type="checkbox"/> Groundwater (from tap) | |

Project Team Leader	Assistant	Assistant	Assistant
J. Stanley	Tom Augspurger, USF&W		

Authorized By: _____
[Signature]
Industrial Hygienist Signature

Office Use Only	
County Health Department Official Contact:	<u>Dianne Harvell</u>
Title:	<u>Env. Health Director</u>
Phone Number:	<u>(910) 343 - 6667</u>
Health Department Official Contacted:	<u>Dianne Harvell</u>
Back Up Letter Required?:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Notes:	<u>Notified Ms. Harvell via voice mail 3-26-01 (DBL)</u>



NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

March 24, 2000

DIVISION OF WASTE MANAGEMENT

JAMES B. HUNT JR.
GOVERNOR

BILL HOLMAN
SECRETARY

WILLIAM L. MEYER
DIRECTOR

Dr. Steve Ellingson
KOCH Sulfur Products Company
P.O. Box 2256
Wichita, Kansas 67201

RE: Northeast Chemical Co.
NCSFN 0406 973
Wilmington, New Hanover County, NC

Dear Dr. Ellingson:

This letter serves to respond to the Groundwater Investigation Work plan prepared by Arcadis Geraghty & Miller and submitted by KOCH Sulfur to NC Superfund Section on March 22, 2000. In this Work plan, KOCH proposed to install and sample several groundwater wells on the portion of the Northeast Chemical Co. site currently owned by KOCH Sulfur. Several telephone calls discussing EPA's upcoming Removal Assessment and NC Superfund's Expanded Site Inspection (ESI) have taken place, the most recent of which was held on March 22, 2000.

As stated during telephone discussions, NC Superfund Section must collect one set of samples from the wells as part of the ESI and will provide splits (in sample containers provided by KOCH's consultant) for all requested samples. While KOCH can collect samples independent of NC Superfund and submit data if they desire, this would be in addition to those collected by NC Superfund Section.

NC Superfund Section appreciates KOCH's cooperation and willingness to install permanent monitoring wells on their property. NC Superfund had planned to install temporary monitoring wells for the collection of groundwater samples during the upcoming Expanded Site Inspection study. Permanent wells will likely result in clearer, less turbid samples.

In response to specific items in the Groundwater Investigation Work plan, I am providing the following comments:

- While stainless steel is the preferred construction material in most instances, the proposed PVC material is the preferred material on this site. This is because volatile organics are not suspected contaminants and because soil and groundwater are anticipated to have a low pH.



1646 MAIL SERVICE CENTER, RALEIGH, NORTH CAROLINA 27699-1646
401 OBERLIN ROAD, SUITE 150, RALEIGH, NC 27605
PHONE 919-733-4996 FAX 919-715-3605

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER

- The site health and safety plan should be modified to include lead and arsenic in waste and low pH of the soil and groundwater. It is recommended that workers use eye protection when handling drill cuttings and groundwater from all wells except the background well.
- Groundwater is anticipated to be 1 - 4' below land surface along the shoreline. The top of the water table is the primary interest to NC Superfund. The 10' well screen should be placed to intersect as much of this part of the aquifer as possible, while allowing sufficient riser to protect the wells from contamination from bentonite and grout. Because it is possible that tides may impact the groundwater level, this should be taken into consideration when selecting the depth of the well screen.
- A sketch showing the desired well locations is attached. Due to the amount of rubble and the industrial history of the site, it is possible that the well driller will need to make more than one attempt at well installation. In addition, potential hazards to well installers from the operating sulfuric acid facility should be considered when selecting well locations. Based on these considerations, it is understood that the precise well location may vary from that indicated. Consultant should document reasons for selecting final well location(s) if they vary from those indicated on the attached sketch.
- A minimum of two wells along the shoreline and one background well are desired. Installation of an additional (fourth) well along KOCH's southern property boundary is at KOCH's discretion.
- Due to the porous nature of the sandy soil in the area, the driller is cautioned to not over grout the well, thereby making the well water too turbid for sampling.
- A blank should be run on the bentonite and grout material and analytical results of these as well as the drilling water should be provided to NC Superfund. If drilling equipment is decontaminated onsite, and equipment rinse blank should also be collected and analyzed for all indicated constituents.
- The well installer should install the background, or cleanest well first, before proceeding to the dirtier areas along the shoreline.
- A groundwater potentiometric map should be prepared for both high tide and low tide.
- The anticipated low pH of the soil and groundwater should be considered when selecting containers for investigation derived wastes.

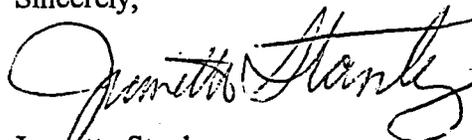
Dr Ellingson
March 24, 2000
page 3

- NC Superfund requests that KOCH provide containers for purge water generated during NC Superfund's sampling event.

As we have discussed, we hope to collect samples from these wells either April 11 or 12, 2000. You stated that if you received my response by today, March 24, 2000, we should be able to collect these samples at that time. I am FAXing this letter to you today at (316) 828-4967. Please advise me at your earliest convenience should you have a problem meeting this date. We plan to be installing and collecting samples from temporary wells on an adjacent site and collecting surface water and sediment samples from the Northeast Cape Fear River during that time period.

If you have any questions, please contact me at (919) 733-2801 ext. 318.

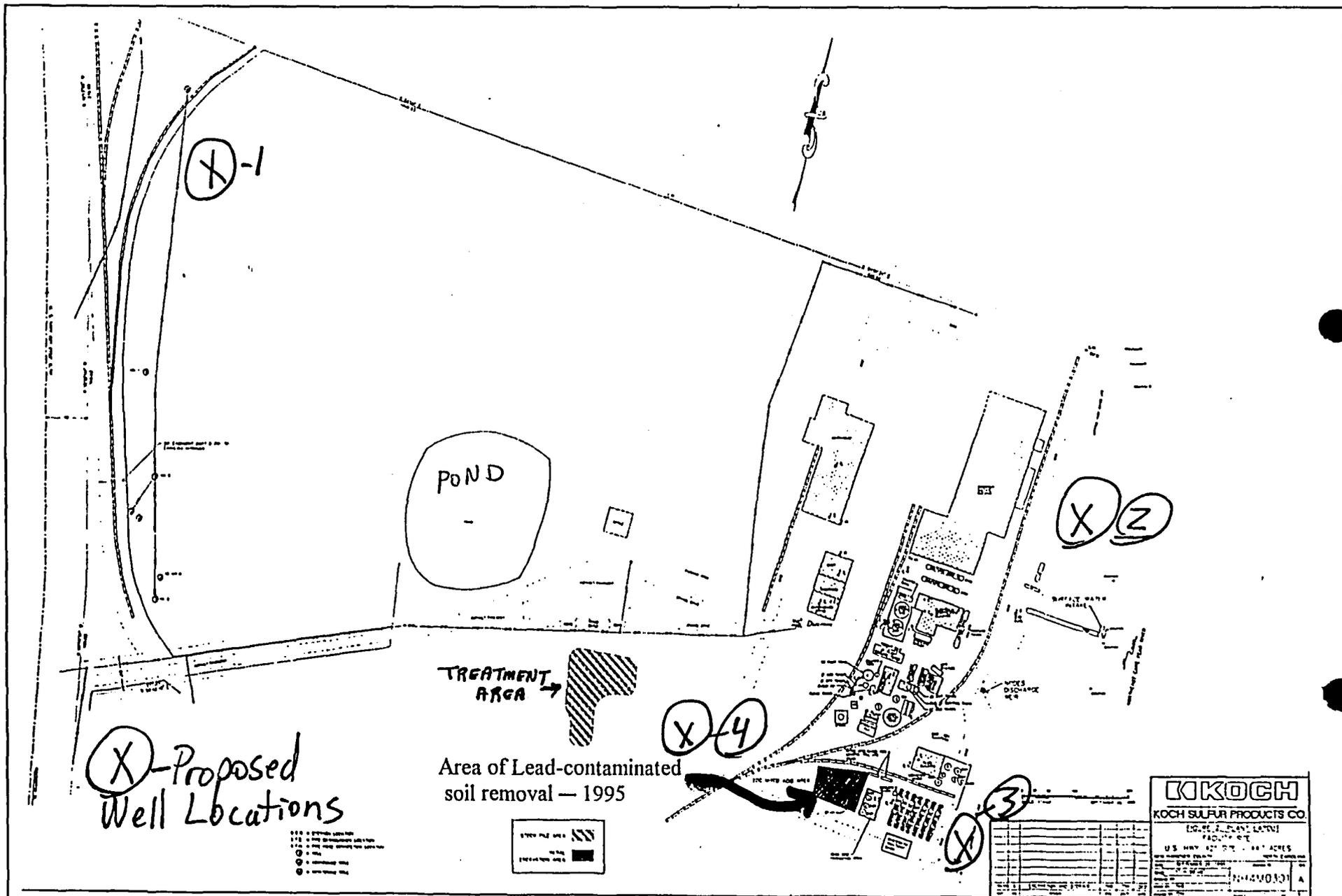
Sincerely,



Jeanette Stanley
Environmental Chemist
NC Superfund Section

Enclosure

cc: ~~File~~
Dan LaMontagne
Ken Mallery, US EPA
Michael Taylor, US EPA
Leonard Moretz, Arcadis Geraghty & Miller



NC Division of Waste Management; Superfund Section	Title: Lead-contaminated Soil Removal Area / <i>Proposed Monitor Well Locations</i>
Site: NE Chem Co., Wilmington, NC Site No. : NCD 053 530 234	Source: Management of Lead-Affected Soil; KOCH Operating Group Environmental Services, Project # 373, AFE No. 14204; January 1996

March 24, 2000

Federal
Trip Notification & Authorization

Prepared by: J. Stanley

Today's Date: 2/10/2000

*Use Black Ink or Typewriter only-Staff to fill out first 2 blocks only.

Site Trip

Date of Trip: 29 Feb 2000

If trip date changed or cancelled note below:

Trip Date Changed To: _____ Cancelled: _____

[NCSFN 0406973]

NCD#: 053530234

Site Name: Northeast Chemical Co.

City: Wilmington

County: New Hanover

Reason for Trip: On Site Recon

Name of Hotel (Overnight Trip): N/A Hotel Telephone Number: () _____

Authorized by: [Signature]
Industrial Hygienist

Project Team Leader: J. Stanley

Assistants: S. Ryals

Attach To Notification Form: 1 copy each: Preliminary Assessment Form (First page only)
Submit to the Site Map
Industrial Hygienist PA Transmittal Letter

(Please list appropriate County Health Department contact person to call to advise of trip)

Environmental Supervisor or Health Director to call: Dianne Harvell Title: Env. Health Director
(Note if Dr., M.P., etc.)

Telephone Number: (910) 343-6667

Notes: Health Department Official Contacted: Dianne Harvell
Back Up Letter Required: Yes _____ No /

Notified Ms. Harvell via voice mail 2-14-00
(DBL)

Note: Signed original to Data Manager



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

North Carolina Division of
Solid Waste Management
Jack Butler, Chief
Superfund Section
401 Oberlin Road, Suite 150
Raleigh, North Carolina 27605

January 14, 2000

RECEIVED

JAN 19 2000

SUBJ: Action Memorandum for the Northeast Chemical Company Site In Wilmington, New
Hanover County, North Carolina SUPERFUND SECTION

Dear Mr. Butler:

NCSFN 0406973

The Northeast Chemical Company Site is comprised of three properties identified as the Flowers property, Koch Sulfur plant, and the Louisiana-Pacific property located in Wilmington, North Carolina. This Action Memorandum outlines conditions on a portion of the facility identified as the Flowers property. Additional assessments will be conducted on the remaining portions of the Site in the future.

This Site is a former dumping and burial area from the production of phosphate materials. A preliminary assessment and site investigation has revealed this facility contains hazardous substances from past operations.

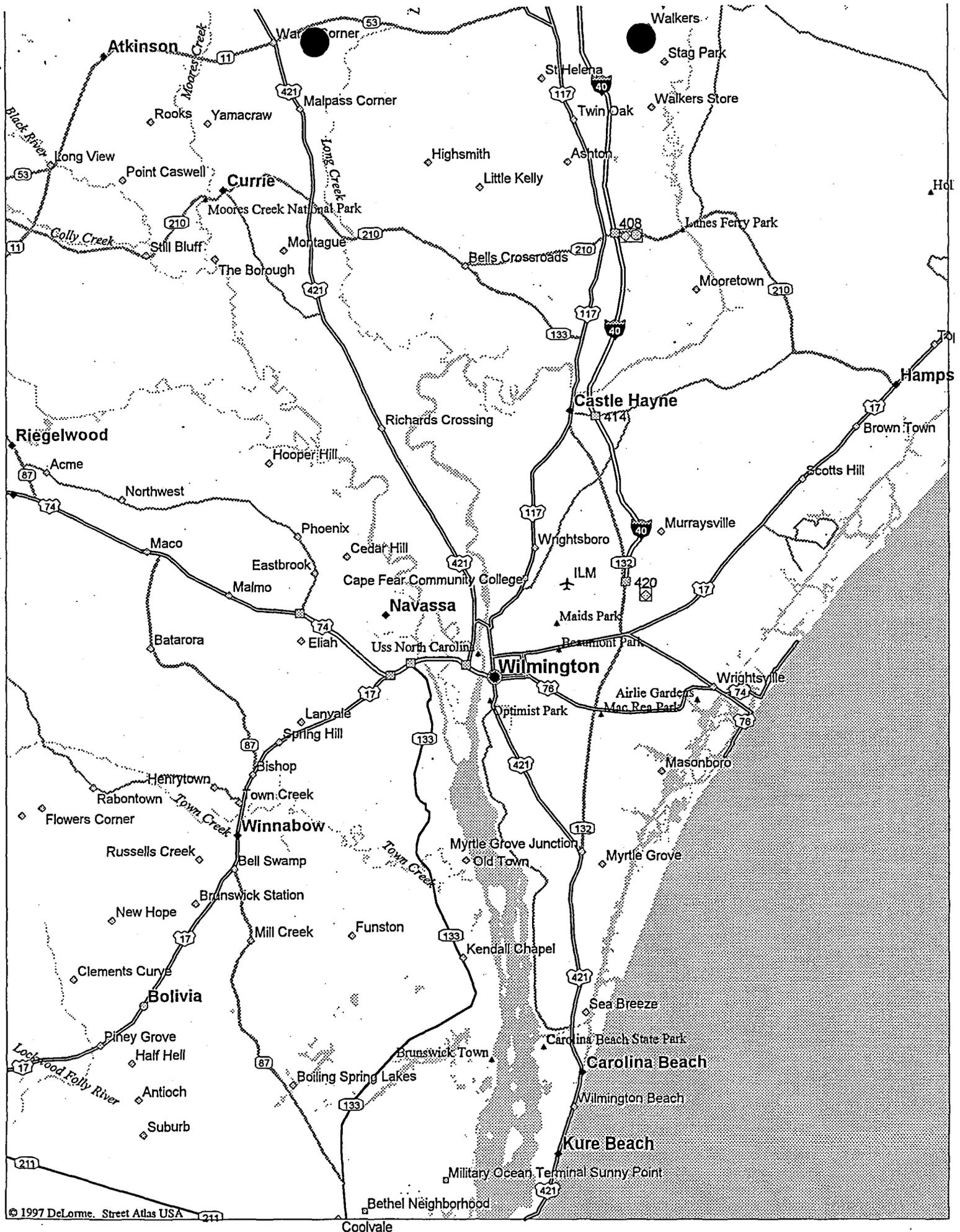
A copy of the Action Memorandum is being provided to you. The Memorandum outlines current Site conditions, proposed actions and estimated costs for addressing the identified waste. For further comments or questions regarding this document contact the On-Scene Coordinator at the following address:

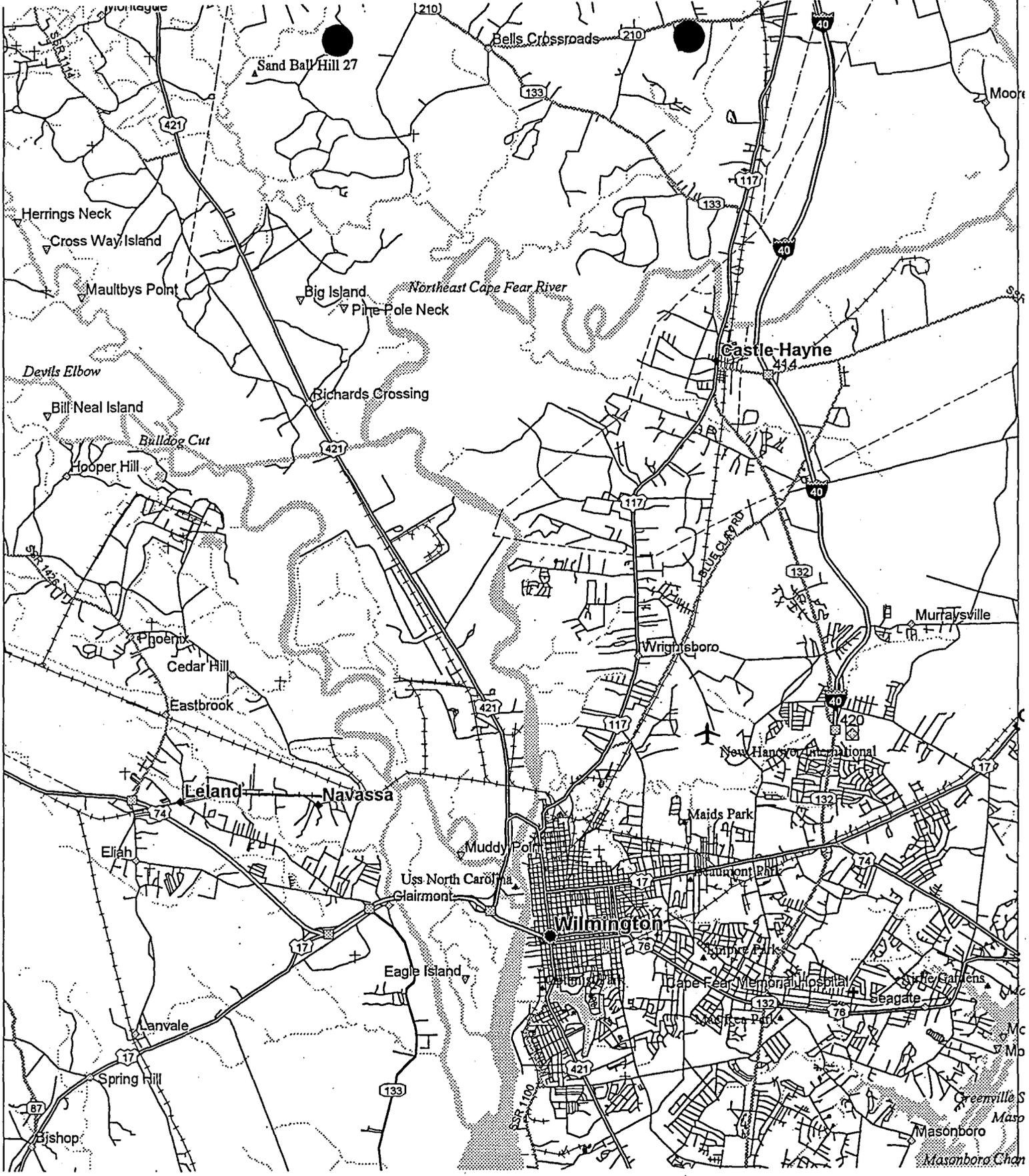
Michael R. Taylor
U.S. Environmental Protection Agency
WMD/ERRB (11th floor)
61 Forsyth Street, SW
Atlanta, Georgia 30303
(404) 562-8762

Sincerely,

Myron D. Lair,
Chief, Emergency Response &
Removal Branch

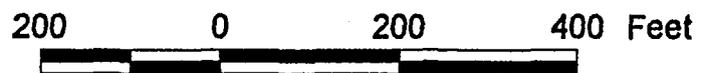
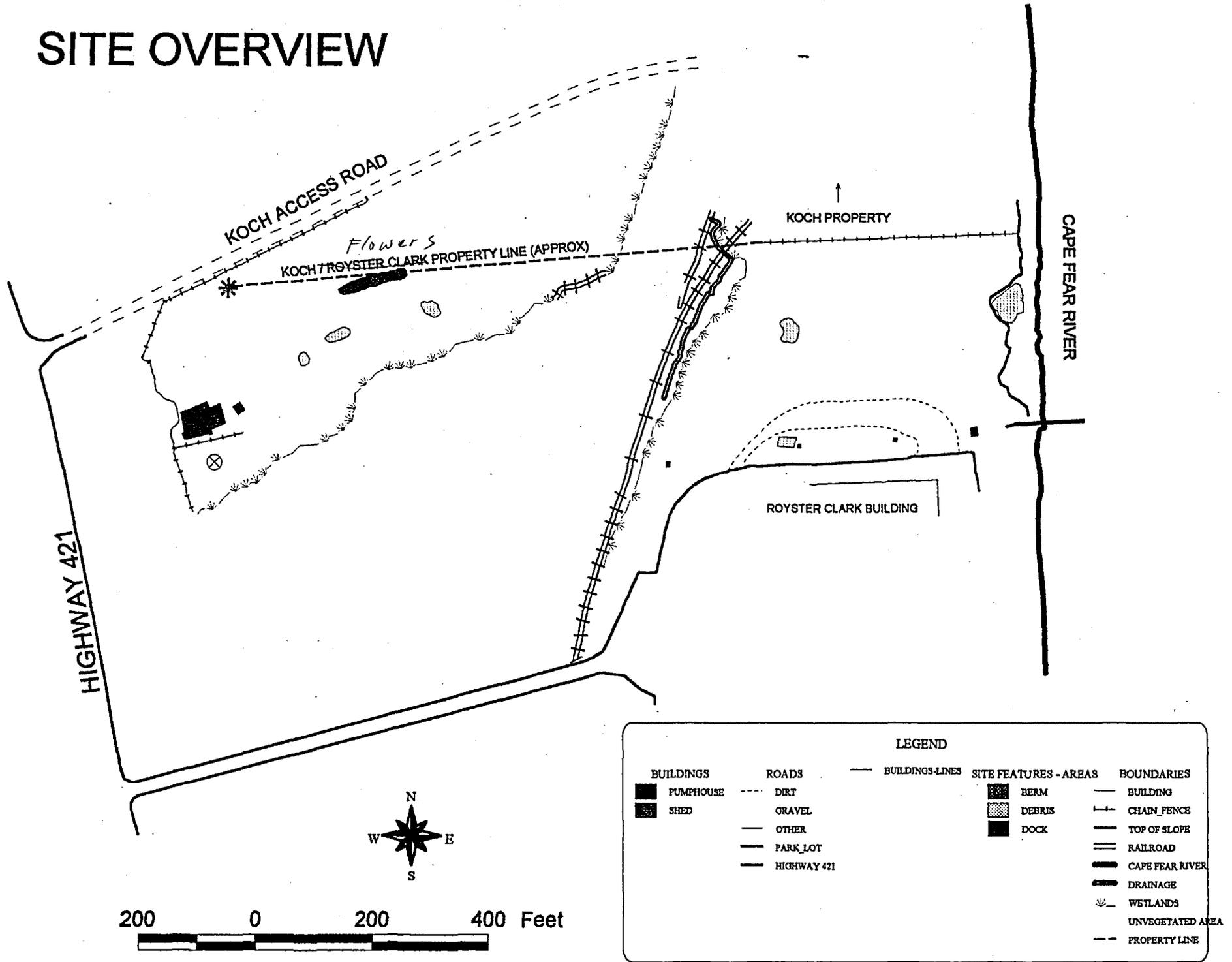
Enclosure







SITE OVERVIEW

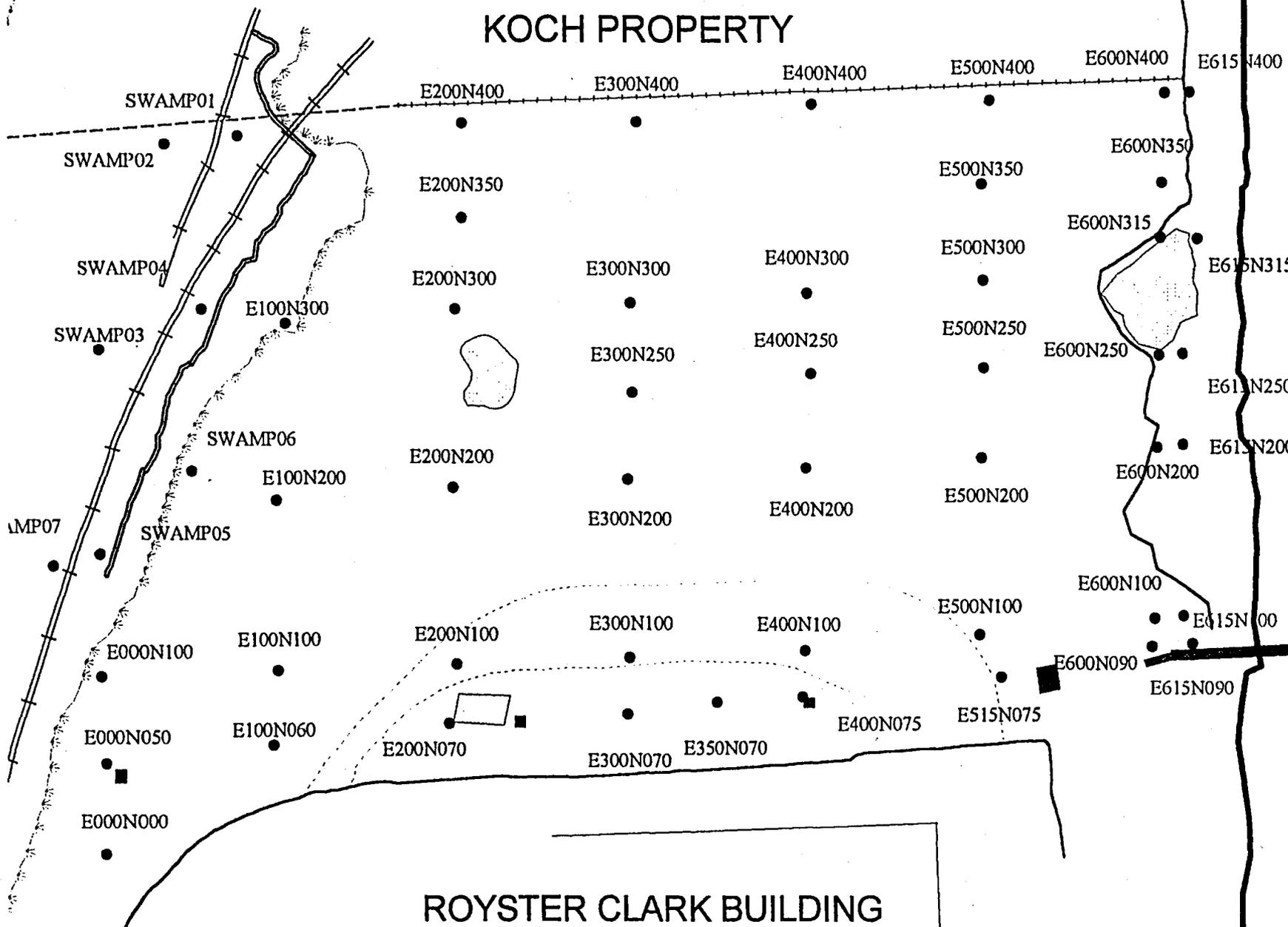


LEGEND				
BUILDINGS	ROADS	BUILDINGS-LINES	SITE FEATURES - AREAS	BOUNDARIES
■ PUMPHOUSE	- - - DIRT	— BUILDINGS-LINES	▨ BERM	— BUILDING
■ SHED	- - - GRAVEL	— CHAIN FENCE	▨ DEBRIS	- - - CHAIN FENCE
	— OTHER	— TOP OF SLOPE	■ DOCK	— TOP OF SLOPE
	— PARK LOT	— RAILROAD		— RAILROAD
	— HIGHWAY 421	— CAPE FEAR RIVER		— CAPE FEAR RIVER
		— DRAINAGE		— DRAINAGE
		— WETLANDS		— WETLANDS
		— UNVEGETATED AREA		— UNVEGETATED AREA
		— PROPERTY LINE		— PROPERTY LINE

ALL SAMPLE LOCATIONS

KOCH PROPERTY

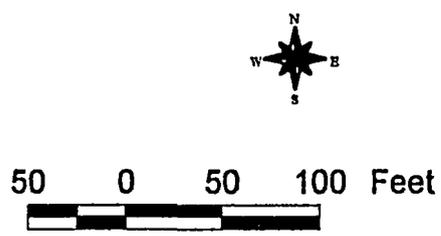
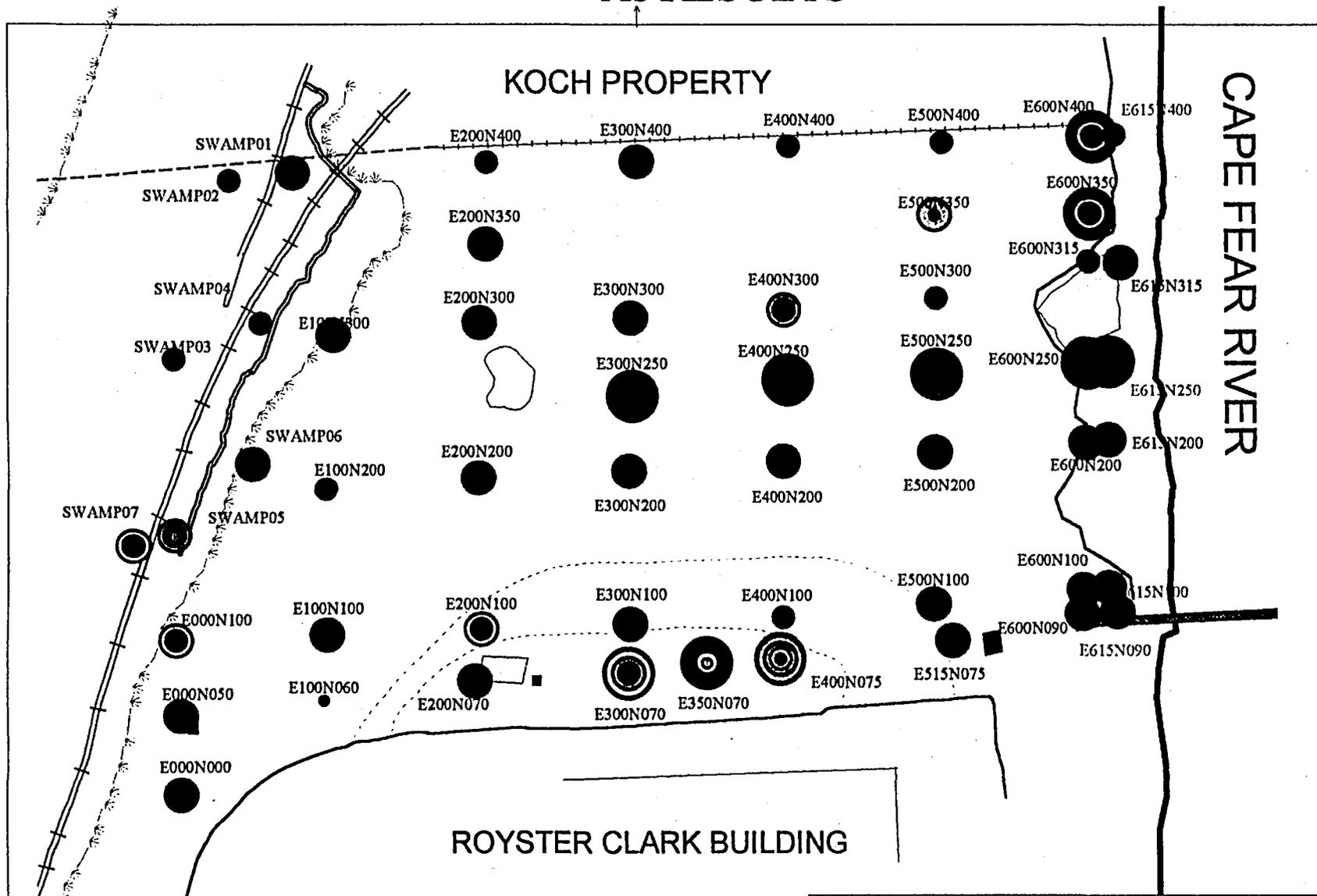
CAPE FEAR RIVER



70 0 70 140 Feet



As RESULTS



As RESULTS

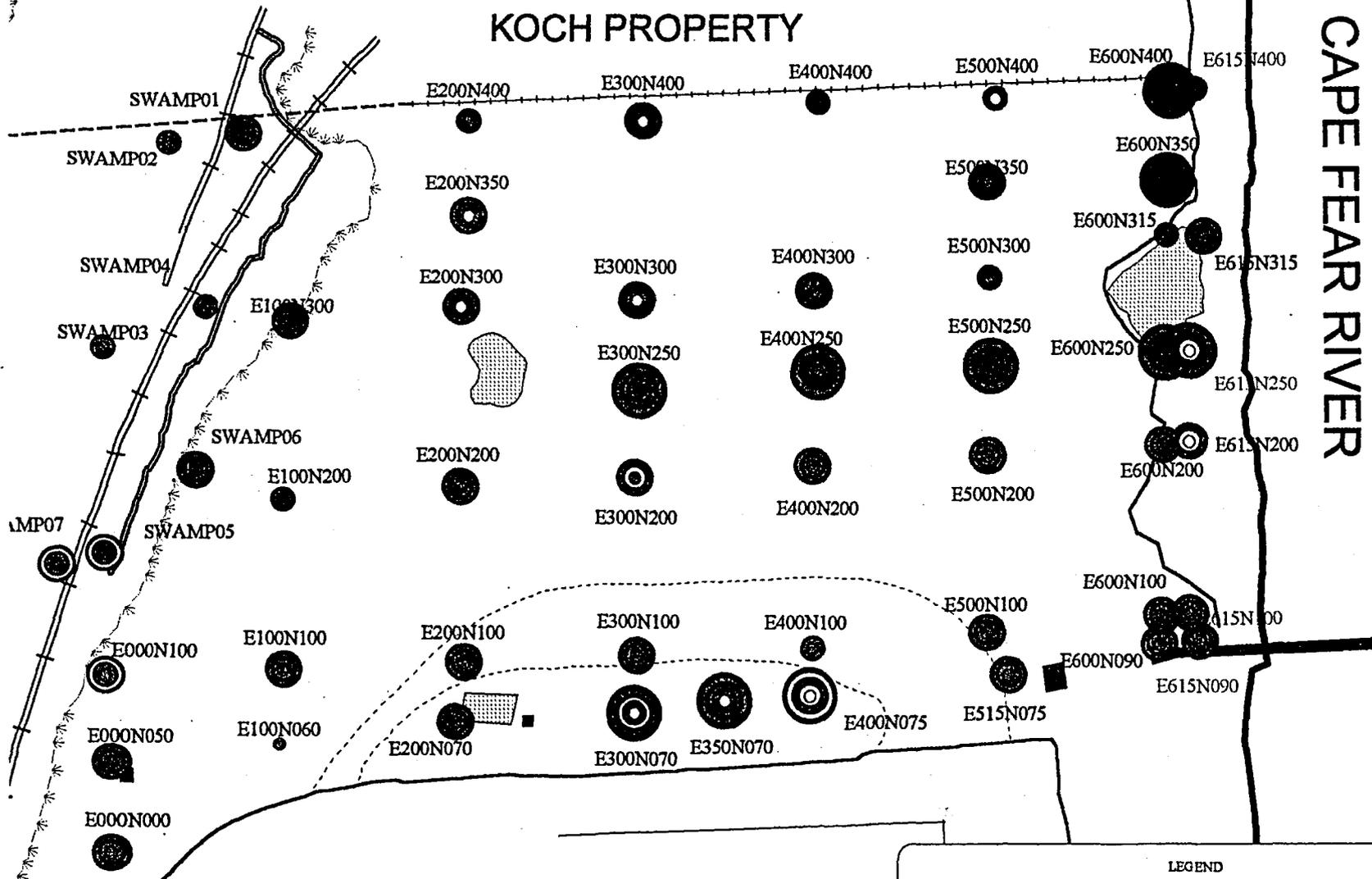
00_bgs.shp	18_bgs.shp	36_bgs.shp	48_bgs.shp
● 0 - 50 ppm	● 0 - 50 ppm	● 40 - 100	● 40 - 100
○ 51 - 100 ppm	○ 51 - 100 ppm	○ 101 - 300	○ 101 - 300
● 101 - 300	● 101 - 300	○ 301 - 20000	○ 301 - 20000
● > 100 ppm	● > 100 ppm	○ 301 - 20000	○ 301 - 20000
			○ 301 - 20000

Pb RESULTS

KOCH PROPERTY

CAPE FEAR RIVER

ROYSTER CLARK BUILDING



LEGEND

00_bgs.shp	18_bgs.shp	36_bgs.shp	48_bgs.shp
● 25 - 500 ppm			
○ 501 - 1000 ppm			
● 1001 - 1500 ppm			
● >1500 ppm	● >1500 ppm	● >1500 ppm	● >1500 ppm

