

URS DIN 01568

# Limited Phase I Environmental Site Assessment

Durham-Orange Light Rail Transit Project



**July 24, 2015**

The NEPA Preferred Alternative for the D-O LRT Project would generally follow NC 54, I-40, US 15-501, and the North Carolina Railroad (NCRR) Corridor in downtown Durham and east Durham. The alignment would begin at UNC Hospitals, parallel Fordham Boulevard, proceed east on NC 54, travel north on I-40, parallel US 15-501 before it turns east toward the Duke University campus along Erwin Road, and then follow the NCRR Corridor parallel to NC 147 through downtown Durham, before reaching its eastern terminus near Alston Avenue. The alignment would consist of at-grade alignment, fill and cut sections, and elevated structures. In two sections of the alignment, Little Creek and New Hope Creek, multiple Light Rail Alternatives are evaluated in the DEIS.

This technical report contains information for all alternatives analyzed in the DEIS. However, pursuant to MAP 21, the Moving Ahead for Progress in the 21<sup>st</sup> Century Act (P.L. 112-141), a NEPA Preferred Alternative has been developed, which recommends C2A in the Little Creek section of the alignment, NHC 2 in the New Hope Creek section of the alignment, the Trent/Flowers Drive station, and the Farrington Road Rail Operations and Maintenance Facility.



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### List of Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AAI	All appropriate inquiry
AIRS	Aerometric Information Retrieval System
AST	Aboveground storage tank
ASTM	American Society for Testing and Materials
CERC-NFRAP	CERCLIS – No Further Remedial Action Planned
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CESQG	Conditionally exempt small quantity generator
CFR	Code of Federal Regulations
CICS	Chemicals in Commerce Information System
CORRACTS	Corrective Action Sites
DEIS	Draft Environmental Impact Statement
D-O	Durham-Orange
DOD	Department of Defense
D-O LRT	Durham-Orange Light Rail Transit
DRO	Diesel range organics
EDR	Environmental Data Resources, Inc.
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FATES	FIFRA and TSCA Enforcement System
FIFRA	Federal Insecticide Fungicide Rodenticide Act
FINDS	Facility Index System
FRDS	Federal Reporting Data System
FURS	Federal Underground Injection Control Reporting System
GRO	Gasoline range organics
HRHR	High Risk Historical Records
HSDS	Hazardous substance disposal sites
HSWA	Hazardous and Solid Waste Amendments
IMD	Incident Management Database
I-40	Interstate 40
kg	kilograms



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Acronym/Abbreviation	Definition
LAST	Leaking aboveground storage tank
LPA	Locally preferred alternative
LQG	Large quantity generator
LRT	light rail transit
LUST	Leaking underground storage tank
MLK	Martin Luther King, Jr.
MSCC	Maximum Soil Contamination Concentration
NC	North Carolina
NCCU	North Carolina Central University
NCDENR	North Carolina Department of Environment and Natural Resources
NCRR	North Carolina Railroad
NEPA	National Environmental Policy Act
NFRAP	No Further Remedial Action Planned
NHC	New Hope Creek
NLR	No longer regulated
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRCS	Natural Resources Conservation Services
NY MANIFEST	New York hazardous waste manifest information
PADS	PCB Activity Database System
PA MANIFEST	Pennsylvania hazardous waste manifest information
PCB	Polychlorinated Biphenyl
PCS	Permit Compliance System
RAATS	RCRA Administration Action Tracking System
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
REC	Recognized environmental condition
ROD	Record of decision
ROMF	Rail Operations and Maintenance Facility
SARA	Superfund Amendments and Reauthorization Act
SHWS	State hazardous waste sites
SIA	Surface impoundments
SQG	Small quantity generator



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Acronym/Abbreviation	Definition
SSTS	Section Seven Tracking System
SWRCY	California solid waste recycler data
TRIS	Toxic Releases Inventory System
TSCA	Toxic Substances Control Act
TSDF	Treatment, storage, and disposal facility
UIC	Underground injection control
UNC	University of North Carolina
URS	URS Corporation
US	United States
UST	Underground storage tank
VCP	Voluntary Cleanup Program



## Limited Phase I Environmental Site Assessment

### Executive Summary

AECOM (formerly URS Corporation) conducted a limited Phase I Environmental Site Assessment (ESA) of the proposed Durham-Orange (D-O) Light Rail Transit (LRT) Project, located in Durham and Orange counties, North Carolina (NC). The limited Phase I ESA will be included as part of the Draft Environmental Impact Statement (DEIS), as appropriate. AECOM examined properties occurring within the approximate search distance of one mile on either side of the proposed D-O LRT Project, which consists of the alignment, stations, park-and-rides, and rail operations and maintenance facility (ROMF) alternatives, to determine visual presence of hazardous material as defined by the US Environmental Protection Agency (EPA) on its list of Hazardous and Toxic Wastes [Title 40 of the Code of Federal Regulations (CFR), Part 261] and petroleum handling facilities. The scope of work for this limited Phase I ESA for the proposed D-O LRT Project included the following:

- Identifying the presence of any known hazardous waste or contamination within areas to be affected by potential construction using primarily the Environmental Data Resources, Inc. (EDR) report
- Assessing properties to be acquired for the presence of environmental concerns or contamination due to past or current practices or land use
- Listing activities of other industries/commercial areas in the immediate area(s)
- Conducting searches of known contaminated sites adjacent to or on route of the proposed D-O LRT Project
- Identifying sites requiring further analysis

The Light Rail Alternatives would generally follow NC Highway 54 (NC 54), Interstate 40 (I-40), United States (US) 15-501, and the North Carolina Railroad (NCR) Corridor in downtown Durham and east Durham. The alignment would consist of at-grade alignment, fill and cut sections, and elevated structures. A total of 17 stations are planned, and up to 5,100 parking spaces may be provided along the proposed D-O LRT Project. In addition, a ROMF would be constructed to accommodate the D-O LRT fleet (initially 17 vehicles, with the ability to accommodate up to 26 vehicles without needing expansion).

Bus routes would be modified to feed into the D-O LRT stations, and headways would be adjusted to provide more frequent bus service and minimize transfer waiting times. These services would also connect light rail passengers with other area transportation hubs, including park-and-ride lots and transfer centers.

A review of the regulatory information gathered from the database search provided by the EDR DataMap Environmental Atlas report dated May 13, 2013 (appendix A) for possible recognized environmental conditions (REC) is provided in Table 1 of this document.<sup>1</sup> Records reviewed as part of the EDR report pertain to properties having the potential to be directly impacted by construction activities associated with the proposed project, and also to properties within an additional search distance of one mile in order to assess the likelihood of encountering contaminated materials from

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<sup>1</sup> Despite refinements to the proposed D-O LRT Project, the project has not changed substantially enough since May 13, 2013 to require a new EDR report; however, this information should be updated during the engineering phase of the proposed D-O LRT Project.





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migrating hazardous substances or petroleum products. This distance was determined appropriate considering the urban nature of the project study area and the location of the proposed D-O LRT Project to an already developed corridor in both Orange and Durham counties.

Field visits to the proposed D-O LRT Project area were conducted over the course of several weeks between July and October 2013. A two-person team method was used for the site reconnaissance.

The project team identified certain high-risk conditions (e.g., active leaking underground storage tanks (USTs) or aboveground storage tanks (ASTs) and historical dry cleaners or auto stations) at the properties with the potential for contamination from hazardous material use and/or activities, as noted in the ESA. In addition, orphan sites (e.g., parcels identified in the EDR report that could not be geo-located by EDR) were reviewed by the project team. Three orphan sites were located within the study area of the proposed D-O LRT Project and evaluated along with the other properties.

AECOM also conducted a total of 102 geotechnical borings from April to October 2014 along the entire length of the proposed D-O LRT Project at approximately every 200 to 500 feet to depths ranging from approximately 1 to 76 feet below existing grades. These geotechnical borings were from the subsurface investigation that is part of the early design work for the proposed D-O LRT Project. No contaminated soil was observed in any of the soil boring results, as documented in the D-O LRT Project's *Subsurface Investigation Report, December 2014*.

This executive summary is only intended to be a summary of findings detailed in the following ESA and is intended to be used in conjunction with the scope of services and limitations described within the report.



## Limited Phase I Environmental Site Assessment

### 1. Introduction

A limited Phase I Environmental Site Assessment (ESA) of the proposed Durham-Orange (D-O) Light Rail Transit (LRT) Project, located in Durham and Orange counties, North Carolina (NC), was conducted by qualified professionals from AECOM (formerly URS Corporation). The limited Phase I ESA characterizes various environmental concerns based on the available information and the current level of design of the proposed D-O LRT Project at the time this document was prepared in December 2013.

#### 1.1 Scope of Services

A limited Phase I ESA was prepared and a summary will be included as part of the Draft Environmental Impact Statement (DEIS), as appropriate. AECOM examined properties occurring within the approximate search distance of one mile on either side of the proposed D-O LRT Project, which consists of the alignment, stations, park-and-rides, and rail operations and maintenance facility (ROMF) alternatives, to determine visual presence of hazardous material as defined by the U.S. Environmental Protection Agency (EPA) on its list of Hazardous and Toxic Wastes [Title 40 of the Code of Federal Regulations (CFR), Part 261] and petroleum handling facilities. More generally, it was an effort to identify Recognized Environmental Conditions (REC) in connection with the subject properties. A REC is identified by the American Society of Testing and Materials (ASTM) Standard Practice Designation: E 1527-05, as follows:

*The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be de minimis are not recognized environmental conditions.*

The scope of work for this limited Phase I ESA for the proposed D-O LRT Project included the following:

- Identifying the presence of any known hazardous waste or contamination within areas to be affected by potential construction using primarily the Environmental Data Resources Inc. (EDR) report
- Assessing properties to be acquired for the presence of environmental concerns or contamination due to past or current practices or land use
- Listing activities of other industries/commercial areas in the immediate area(s)
- Conducting searches of known contaminated sites adjacent to or on route of the proposed D-O LRT Project
- Identifying sites requiring further analysis

Properties along and adjacent to the proposed D-O LRT Project where contamination may have been caused by past management, use, storage, or disposal of hazardous materials were identified. An identification of sites that may have hazardous soils was completed using available records, documents, maps, aerial photographs, and/or historical records. Federal, state, and local records were reviewed, evaluated, and compiled in a records search report documenting the environmental database search.



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In addition, the properties that would be directly affected by construction or portions of properties that may need to be acquired were also identified. Properties identified in this limited Phase I ESA were evaluated for risk potential and were summarized by risk categories of high, medium, and low. Area maps indicating the beginning and ending limits of the study, with parcels of concern noted, were also included in this report.

A total of 102 geotechnical borings were completed from April to October 2014 along the entire length of the proposed D-O LRT Project at approximately every 200 to 500 feet to depths ranging from approximately 1 to 76 feet below existing grades. These geotechnical borings were from the subsurface investigation that is part of the early design work for the proposed D-O LRT Project. No contaminated soil was observed in any of the soil boring results, as documented in the D-O LRT Project's *Subsurface Investigation Report, December 2014*.

### 1.2 Assumptions and Limitations

This report and the associated work have been provided in accordance with the principles and practices generally employed by the local environmental consulting profession. This is in lieu of all warranties, expressed or implied.

This ESA is not a regulatory compliance audit or an evaluation of the efficiency or use of any hazardous materials at any of the parcels or researched sites.

Unless otherwise specified, the tasks included no collection and analysis of samples. Findings and opinions were based on information available from public sources on specific dates. This information is changing continually and is frequently incomplete. AECOM does not assume any liability for information that has been misrepresented to us or for items not visible, accessible, or present on any parcels or the subject properties during the time of the site reconnaissance.

AECOM cannot warrant or guarantee that not finding indicators of hazardous materials means that hazardous materials do not exist on the subject properties or researched parcels. There is no investigation thorough enough to preclude the presence of materials on the researched sites, which presently, or in the future, may be considered hazardous. Because regulatory evaluation criteria change, concentrations of contaminants present and considered to be acceptable may, in the future, become subject to different regulatory standards and require remediation.

Where records indicate that prior remedial work or tank removals have occurred, there is the possibility that the work may not have been performed correctly or completely. Opinions and judgments expressed herein are based on AECOM's understanding and interpretation of current regulatory standards, and should not be construed as legal opinions.

The report has been prepared utilizing generally accepted environmental methodologies referred to in the ASTM Standard E 1527-05, *Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process*, and contains limitations inherent in these methodologies. However, this limited Phase I ESA does not meet all of the requirements of ASTM Standard E 1527-05, such as, but not limited to, interviews with owners, operators, and/or occupants; and collection of detailed information on hazardous substance uses, waste management and disposal activities, and corrective actions and response activities. Therefore, this limited Phase I ESA does not satisfy the requirements of all appropriate inquiry (AAI). No other warranties, expressed or implied, are made as to the professional services provided under the terms of the agreed upon scope of work are included in this report.



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The conclusions of this report were based, in part, on the information provided by others. The possibility remains that unexpected environmental conditions may be encountered at sites in locations not specifically investigated. The services performed and outlined in this report were based, in part, upon visual observations of the project study area. AECOM's opinion cannot be extended to portions of the project study area that were unavailable for direct observation, reasonably beyond the control of AECOM.

### 1.3 User Reliance

This ESA report has been prepared for exclusive use by Triangle Transit. Other third parties that may rely upon this report are subject to the limitations and conditions as set forth by Triangle Transit and AECOM.

### 1.4 Legal and Regulatory Context

Numerous laws and regulations govern the handling of hazardous and contaminated materials, including, but not limited to:

- The Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. § 9601 *et seq.*) – provides a federal “superfund” to clean up uncontrolled, inactive, or abandoned hazardous waste sites, as well as accidents, spills, and emergency releases of pollutants and contaminants into the environment.
- Superfund Amendments and Reauthorization Act (SARA) (P.L. 99-499) – amended CERCLA in 1986 to provide a program to address abandoned hazardous waste sites.
- Resource Conservation and Recovery Act of 1976 (RCRA) (42 U.S.C. § 6901 *et seq.*) – regulates the safe generation, treatment, storage, transportation, and disposal of solid hazardous wastes from “cradle-to-grave.” Subtitle I of RCRA establishes a regulatory program that prevents, detects, and cleans up releases from underground storage tank (UST) systems containing petroleum or hazardous substances.
- Federal Occupational Safety and Health Act (OSHA) (29 U.S.C. § 651 *et seq.*) – provides workers with a place of employment free from recognized hazards to safety and health.
- Toxic Substances Control Act (TSCA) (15 U.S.C. § 2601 *et seq.*) – includes restrictions relating to chemical substances and mixtures, as well as requirements for reporting, record keeping, and testing.
- North Carolina Solid Waste Management Act (N.C.G.S. §§ 130A-290 – 310.80) – provides North Carolina's hazardous waste and solid waste management programs and contain requirements for inactive hazardous substance or waste disposal sites.
- North Carolina Oil Pollution and Hazardous Substances Control (N.C.G.S. §§ 143-215.94 – 215.94ZZ) – establishes the state underground storage tank regulations, training of underground storage tank operators, along with the cleanup program for leaking petroleum underground storage tanks, including the funding and liability.
- North Carolina Dry-Cleaning Solvent Cleanup Act of 1997 (N.C.G.S. §§ 143-215.104A – 215.104U) – establishes the cleanup program for dry-cleaning facilities or operations, including funding, liability, assessments, and remediation.



### 2. D-O LRT Project Description

This section describes the location and physical settings of the D-O LRT Project.

#### 2.1 Description of the Study Corridor

The D-O Corridor is located within the Triangle region. It extends roughly 17 miles from southwest Chapel Hill to east Durham, and includes several educational, medical, and other key activity centers which generate a large number of trips each day. The land uses in the D-O Corridor are supported by a network of major highways including NC 54, I-40, US 15-501, Erwin Road, and NC 147. Additional detail regarding the study corridor will be included in the proposed D-O LRT Project DEIS, chapters 1 and 2.

#### 2.2 Alternatives Considered

- No-Build Alternative
- Light Rail Alternatives

In addition to the Light Rail Alternatives, the DEIS considers a No-Build Alternative comprised of the existing and programmed transportation network improvements without the planned rail improvements and associated bus network modifications. Additional detail regarding the alternatives considered will be included in the *Durham-Orange Light Rail Transit Project DEIS, chapter 2*.

##### 2.2.1 No-Build Alternative

The No-Build Alternative includes the existing and planned transportation programs and projects scheduled to be built and implemented before forecast year 2040 and contained in the 2040 MTP, excluding only the proposed Light Rail Alternatives, rail transit improvements, and related bus transit modifications that would be associated with the proposed D-O LRT Project.

##### 2.2.2 Light Rail Alternatives

Through the Alternatives Analysis and Scoping process, a majority of the proposed D-O LRT Project alignment was identified. However, there are a few areas where different alternatives were retained for further evaluation. As a result, multiple alignments crossing Little Creek and New Hope Creek (NHC) are evaluated in the DEIS.

- Four potential crossings of Little Creek between Hamilton Road and the proposed Leigh Village Station (Alternatives C1, C1A, C2, and C2A)
- Three potential crossings of New Hope Creek and Sandy Creek between Patterson Place and South Square (Alternatives NHC LPA, NHC 1, and NHC 2)
- Station alternatives at Duke/VA Medical Centers (Duke Eye Center and Trent/Flowers Drive)
- Five proposed locations for the ROMF (Leigh Village, Farrington Road, Patterson Place, Cornwallis Road, and Alston Avenue)

The Light Rail Alternatives would generally follow NC 54, I-40, US 15-501, and the North Carolina Railroad (NCR) Corridor in downtown Durham and east Durham. The alignment would begin in Chapel Hill at UNC Hospitals, parallel Fordham Boulevard, proceed eastward adjacent to NC 54, travel north along I-40, parallel US 15-501 before it would turn east toward Duke University and run within Erwin Road, and then follow the NCR Corridor that parallels NC 147 through downtown Durham, before reaching its eastern terminus in Durham near Alston Avenue. The alignment would consist of at-grade



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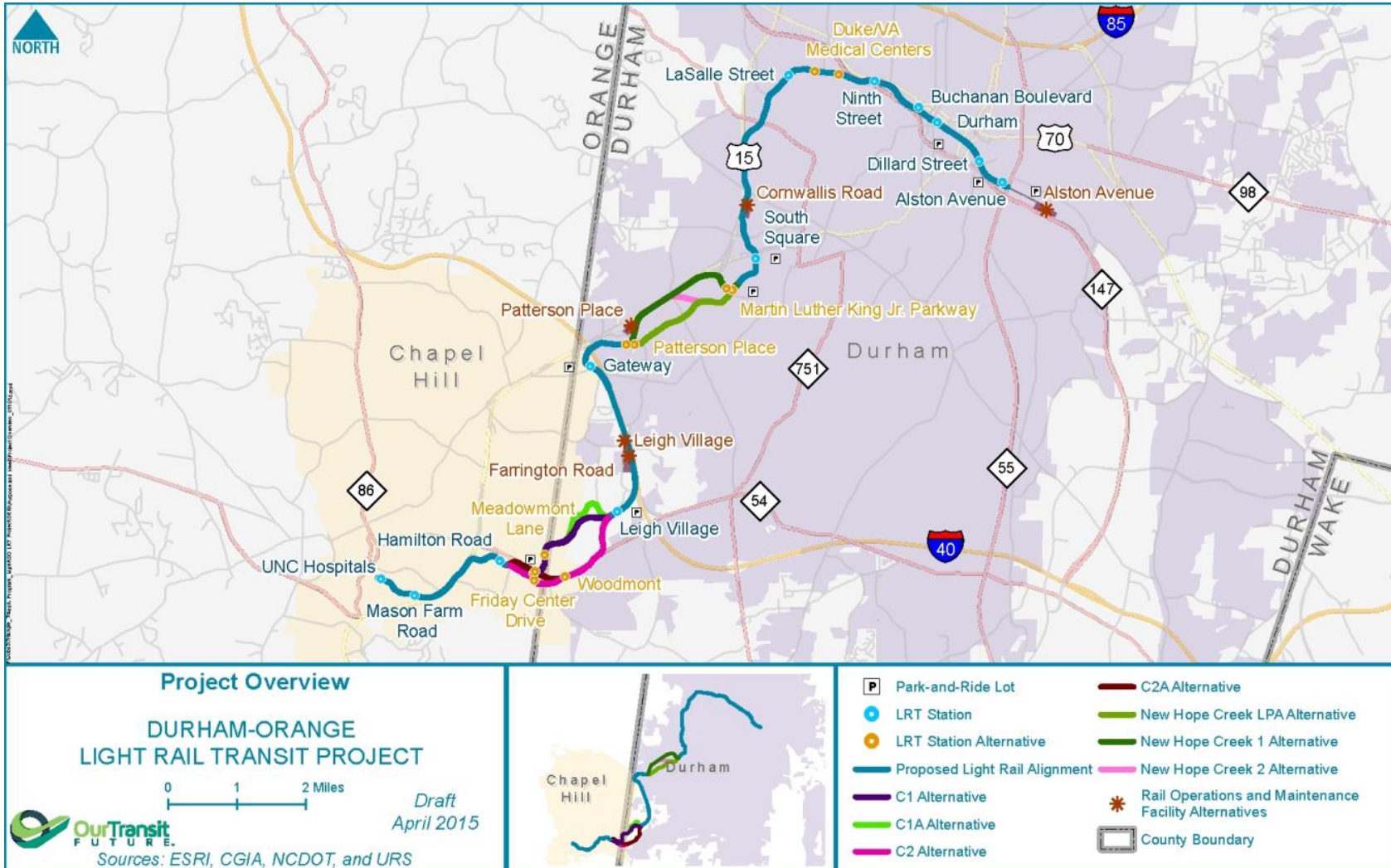
alignment, fill and cut sections, and elevated structures. A total of 17 stations are planned, and up to 5,100 parking spaces would be provided along the Light Rail Alternatives. In addition, a ROMF would be constructed to accommodate the D-O LRT fleet (initially 17 vehicles, with the ability to accommodate up to 26 vehicles without needing expansion).

Bus routes would be modified to feed into the D-O LRT stations, and headways would be adjusted to provide more frequent bus service and minimize transfer waiting times. These services would also connect light rail passengers with other area transportation hubs, including park-and-ride lots and transfer centers.

### 2.3 Physical Setting

According to the U.S. Department of Agriculture, Natural Resources Conservation Services (NRCS), the Soil Survey Geographic Database indicates that the majority of the proposed D-O LRT Project is within the Durham Triassic Basin geologic unit, which is characterized by clay soils atop weathered rock. Groundwater often extends above the parent rock into these low permeability soils. As permeability of the soils to groundwater movement can be quite low, determination of localized groundwater flow direction in these soils can be difficult. Within the region, unconsolidated materials atop the bedrock have been penetrated during later geological periods by diabase intrusion (“diabase dikes”), which present different permeabilities to groundwater migration. This is especially true in the zones adjacent to the dikes where the older Triassic materials were impacted by heat from the diabase intrusions such that they can be more permeable to groundwater migration than unaffected Triassic material.

Figure 1: Durham-Orange Light Rail Transit Project





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### 3. User-Provided Information

A current listing of hazardous waste generators, sites containing hazardous materials, and other potential environmental contamination sites was obtained from the EDR report. These included federal, state, local, tribal, and proprietary records. This EDR report was reviewed to identify areas connected with the project study area that have a high risk potential for impacts from hazardous materials. A copy of the EDR report is listed as appendix A.





### 4. Records Review

A review of the regulatory information gathered from the database search provided by the EDR DataMap Environmental Atlas report dated May 13, 2013 (appendix A) for possible RECs is provided in the following subsections<sup>2</sup>. Records reviewed as part of the EDR report pertain to properties having the potential to be directly impacted by construction activities associated with the proposed project, and also to properties within an additional search distance of one mile in order to assess the likelihood of encountering contaminated materials from migrating hazardous substances or petroleum products. This distance was determined appropriate considering the urban nature of the project study area and the location of the proposed D-O LRT Project to an already developed corridor in both Orange and Durham counties.

It should be noted that regulatory listings and regulatory agency files are often limited. They only include sites that agencies are aware of at the time of publication or those sites known to be contaminated or possessing a potential for contamination as a result of the presence of hazardous materials and/or petroleum products. In addition, there is a potential for possible RECs to be identified during site field reviews. RECs identified in the field review prior to the project's Record of Decision (ROD) will be noted in the project's National Environmental Policy Act (NEPA) document.

#### 4.1 Federal Records

Federal databases searched and provided by the EDR report included the following:

**Brownfields:** The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties and reports information back to EPA, as well as areas served by Brownfields grant programs.

**CERC-NFRAP:** No Further Remedial Action Planned (NFRAP) sites are sites that have been removed and archived from the inventory of the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

**CERCLIS:** The Comprehensive Environmental Response, Compensation, and Liability Information System contains data on potentially hazardous waste sites that have been reported to the EPA by states, municipalities, private companies, and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed for or on the NPL and sites which are in the screening and assessment phase for possible inclusion on the NPL.

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<sup>2</sup> Despite refinements to the proposed D-O LRT Project, the project has not changed substantially enough since May 13, 2013 to require a new EDR report; however, this information should be updated during the engineering phase of the proposed D-O LRT Project.



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**ERNS:** The Emergency Response Notification System (ERNS) records and stores information on reported releases of oil and hazardous substances. NOTE: This database is now called the Spills and Accident database.

**FINDS:** The Facility Index System (FINDS) contains both facility information and "pointers" to other sources of information that contain more detail. These include: Resource Conservation and Recovery Information System (RCRIS); Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and Toxic Substances Control Act [TSCA] Enforcement System); CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control Reporting System (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); Polychlorinated Biphenyl (PCB) Activity Database System (PADS); Resource Conservation and Recovery Act (RCRA)-Subtitle J (medical waste transporters/disposers); Toxic Releases Inventory System (TRIS); and the TSCA.

**RCRAInfo:** RCRAInfo is the EPA's comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. Treatment, storage, and disposal facilities (TSDF) treat, store, or dispose of the waste.

**RCRA-CESQG:** Conditionally exempt small quantity generators (CESQG) generate less than 100 kilograms (kg) of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

**RCRA-LQG:** Large quantity generators (LQG) generate over 1,000 kg of hazardous waste, or over 1 kg of acutely hazardous waste per month.

**RCRA-SQG:** Small-quantity generators (SQG) generate between 100 kg and 1,000 kg of hazardous waste per month.

**RCRA-NonGen/No longer regulated (NLR):** Non-generators (NonGen) do not presently generate hazardous waste.

### 4.2 State/EDR Records

State and local databases along with EDR proprietary records searched and provided by the EDR report included the following:

**AST:** The Aboveground Storage Tank (AST) database contains registered ASTs. The data comes from the North Carolina Department of Environment and Natural Resources' (NCDENR) petroleum aboveground storage tank database.

**Dry Cleaners:** Potential and known dry cleaning sites, active and abandoned, that the Dry-cleaning Solvent Cleanup Act Program has knowledge of and entered into this database.

**Historic Auto Stations:** EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High



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Risk Historical Records" (HRHR). EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

**Historic Dry Cleaners:** EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry-cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash and dry etc. This database falls within a category of information EDR classifies as HRHRs. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

**HSDS:** The Hazardous Substance Disposal Sites (HSDS) list contains locations of uncontrolled and unregulated hazardous waste sites. The file contains sites on the national priority list as well as the state priority list. The data source is the North Carolina Center for Geographic Information and Analysis.

**IMD:** Incident Management Database (IMD).

**LAST:** A listing of leaking aboveground storage tank (LAST) site locations.

**LUST:** The Leaking Underground Storage Tank (LUST) Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the NCDENR's incident reporting database - Incidents by address.

**LUST TRUST:** This database contains information about claims against the state trust funds for reimbursements for expenses incurred while remediating LUSTs.

**NPDES:** This database lists permitted wastewater facilities and general information regarding the National Pollutant Discharge Elimination System (NPDES) permits.

**SHWS:** The State Hazardous Waste Sites (SHWS) records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data comes from the NCDENR's Inactive Hazardous Sites Program.

**UIC:** A listing of underground injection wells/controls (UIC) locations.

**UST:** The underground storage tank (UST) database contains registered USTs. USTs are regulated under Subtitle I of RCRA. The data comes from the NCDENR's Petroleum UST database.

### 4.3 Environmental Database Summary

The ASTM databases were searched and the numbers of sites identified are summarized below in Table 1. Additional supplemental databases searched are summarized in the EDR report.



## Limited Phase I Environmental Site Assessment

**Table 1: Summary of Environmental Databases**

Database	Number of Sites
CERCLIS	2
CERCLIS-NFRAP	11
CORRACTS	1
RCRA-TSDF	1
RCRA-LQG	5
RCRA-SQG	12
RCRA-CESQG	18
RCRA NonGen / NLR	50
ERNS	1
US BROWNFIELDS	46
DOD	1
SSTS	1
FINDS	73
RAATS	2
2020 COR ACTION	1
US AIRS	3
NC SHWS	30
NC IMD	249
NC HSDS	13
NC UIC	2
NC SWRCY	5
NC LUST	276
NC LUST TRUST	118
NC UST	116
NC LAST	40
NC AST	3
PA MANIFEST	1
NY MANIFEST	2
NC VCP	3
NC DRYCLEANERS	5
NC BROWNFIELDS	3
NC NPDES	2
EDR MGP	1
EDR US Hist Auto Stat	73
EDR US Hist Cleaners	34

#### 4.4 Previous Investigations and Documents

Other than the EDR report, previous investigations that were available for review included the following:

- *Limited Phase II Environmental Site Assessment Conducted on Bob's Service Garage* by Environmental Investigations, Inc. dated May 4, 2004



## Limited Phase I Environmental Site Assessment

- *Phase I-II Soil Assessment Conducted on Former Graybar Building Site and Former Flintom Services Site* by Environmental Investigations, Inc. dated May 28, 2010

From these available reports, three properties located within the screening distance of the proposed D-O LRT Project have findings from their respective investigations and are presented in Table 2. In addition, from the Final Environmental Impact Statement and Section 4(f) Evaluation of the previous proposed Regional Rail System project, Durham and Wake Counties, North Carolina (November 2002), 13 sites located within the screening distance of the proposed D-O LRT Project were identified with known or potential environmental contamination.

- HM1: Duke Medical Center
- HM2: Railroad corridor – West Main BP
- HM3: Railroad corridor – Lloyds 66
- HM4: Railroad corridor – Liggett Group
- HM5: Railroad corridor – Claude May Property
- HM6: Downtown Durham – Flintom Services, Inc.
- HM7: Railroad corridor – Durham County Emergency Detention Facility
- HM8: Railroad corridor – Budd Piper Roofing
- HM9: Alston Avenue/NCCU – Bob’s BP Station
- HM10: Railroad corridor – Benchmark Materials
- HM11: Railroad corridor – Southchem Inc. (later Brenntag Southeast Inc.)
- HM12: Railroad corridor – Pifer Industries, Inc.
- HM13: Railroad corridor – WorthChem (later Brenntag Southeast Inc.)

All 13 sites were also identified in this Limited Phase I ESA with either a medium or high risk as documented under section 6, with the exception of Worth Chemical, which is located greater than 500 feet from the proposed D-O LRT Project.



## Limited Phase I Environmental Site Assessment

**Table 2: Summary of Previous Investigation Findings**

Site Name	Address	Corresponding EDR ID	Previous Investigation Findings
Flintom Services Inc. (former)	404 West Chapel Hill Street, Durham	6-99	The subject property's on-site soil quality contains regulated compounds and metals above the current regulatory standards. The Phase II soil assessment has delineated metal impacts in that the source of impact is visible in the subsurface. Recommend corrective action such as removal of the impacted soils for disposal as a non-hazardous waste.
Bob's Service Garage	309 South Alston Avenue, Durham	11-180	The subject property has been impacted by a release from surface discharge of materials consistent with those used at the subject property. Gasoline range organics (GRO), diesel range organics (DRO), and oil and grease compounds were detected above their respective "action limits." Two semi-volatile organic compounds (benzo(a)anthracene and benzo(a)pyrene) were detected above their respective "soil-to-groundwater MSCC standards." Extent of impacted soils is estimated to span an area of 75 feet x 12 feet, and an estimated depth of 5 feet below ground surface.
Graybar Building Site (former)	303 South Duke Street, Durham	N/A *	The subject property's on-site soil quality contains residual levels of regulated compounds and metals that are within acceptable limits such that future use of onsite soils would not be subject to restriction, except for the presence of arsenic at one location that is at levels slightly above the current regulatory standards. Recommend corrective action such as removal of the impacted soils for disposal as a non-hazardous waste.

\* This subject property is not listed in the databases search as presented in the EDR report for this limited Phase I ESA.



## Limited Phase I Environmental Site Assessment

### 5. Site Reconnaissance

Field visits of the proposed D-O LRT Project were conducted over the course of several weeks between July and October of 2013. A two-person team method was followed for the site reconnaissance.

#### 5.1 Methodology and Limiting Conditions

The field reconnaissance team conducted site reconnaissance by visually observing and walking along the subject properties. To sweep the project area, the two-person team walked in parallel, with some distance between them, such that the team members could maintain visual contact and achieve a wide visual range on the width of the project area. Areas covered included urban areas and wooded areas; where accessible, some of the urban areas were traversed by car. Weather conditions during all site reconnaissance were sunny and hot. Site visits were not conducted on rainy days.

During the site walks, assessments were made of any signs of release or other mishandling of stored or used hazardous materials, as well as evidence of past releases of hazardous materials such as soil stains or impacted vegetation. These observations were used to supplement information available from government records of past release of hazardous materials. In addition, these observations were used to identify any previously unrecorded releases not evident in existing records.

Limitations encountered during the site reconnaissance may have included fences, "DO NOT ENTER" or similar signage, security, and other natural land barriers. The site walks were conducted according to the log presented in Table 3.



## Limited Phase I Environmental Site Assessment

**Table 3: Site Reconnaissance Log**

Week of	Direction of Travel	Project Area Segment Reconnoitered
7/26/2013	UNC Hospitals Station to Alston Avenue Station	Chapel Hill "upper" (Hospital/Dean Dome Areas of UNC) and also areas down the hill to the NC 54 bypass
8/2/2013	UNC Hospitals Station to Alston Avenue Station	NC 54 bypass and Finley Golf Course (to Durham-Chapel Hill Road, which is also NC 54)
8/9/2013	UNC Hospitals Station to Alston Avenue Station	Meadowmont areas (two optional routes)
8/16/2013	UNC Hospitals Station to Alston Avenue Station	Leigh Village Station to Gateway Station (along Farrington Road and I-40)
8/23/2013	UNC Hospitals Station to Alston Avenue Station	Garrett Road to Martin Luther King Jr. Parkway
8/30/2013	UNC Hospitals Station to Alston Avenue Station	I-40 / Farrington Road Segment
9/13/2013	Due to creek, walked in for half of this segment from Garrett Road	Patterson Place to Garrett Road
9/20/2013	UNC Hospitals Station to Alston Avenue Station	Garrett Road to US 15-501 Business
9/27/2013	UNC Hospitals Station to Alston Avenue Station	US 15-501 Business to Cameron Blvd (between US 15-501 Bypass and Duke University Golf Club)
10/4/2013	UNC Hospitals Station to Alston Avenue Station	LaSalle St Station to end including the Alston Avenue ROMF alternative location <sup>3</sup> . (Note: this was all visible from public roads by car. Stepped out on foot as needed.)
10/11/2013	UNC Hospitals Station to Alston Avenue Station	Returned to Dillard St Station to Alston Ave Station for walkaround near two industrial sites. Also returned to a new billboard on US 15-501 and verified that the six 55-gallon drums noted earlier had been removed and that there were no stains on the ground or stressed vegetation.

### 5.2 Observations

During the site reconnaissance, the team made the following specific observations for these properties, as documented in Table 4.

<sup>3</sup> The area between LaSalle St Station and the Alston Avenue ROMF alternative location was not revisited after the refinement in design because the alignment generally shifted less than 50 feet and the public roads in the vicinity remained the same.



**Table 4: Site Reconnaissance Observations**

EDR Focus Map	EDR Map ID	Site Name	Address	Field Comment
5	2	Couch Oil Car Shop #5	2908 Hillsborough Road, Durham	The small building now on-site appears to be used as a restaurant. No evidence of former gasoline dispensers.
6	72	Eakes Cleaners	827 West Morgan Street, Durham	This is near the rail siding between downtown and a historic industrial district.
6	72	Historic Auto Station (two historic names)	820 West Morgan Street, Durham	
6	72	Main Street Garage	906 West Main Street, Durham	
6	74	DCM & City of Durham	103 & 109 Broadway Street, Durham	Undeveloped lot (mowed grass and several mature trees).
7	122	Model Laundry	1001 Holloway Street, Durham	There is a small block building at 1005 Holloway with bars on the windows and doors. Appeared inactive. This may have been the former dry cleaners, but the address is not 1001 Holloway Street.
11	160	Schwartz and Sons Inc.	217 South Holman Street, Durham	Noted lots of metal scrap and trucks on-site.
11	179	Don C. Christian Co. Inc.	South Goley & Cross Street, Durham	This location is near two large recycling operations with large amounts of material stored in the paved yard and on the adjoining unpaved soil. Items stored include several 280-gallon totes, scrap metal, and ten large bulk tanks, some vertical and some horizontal.
18	NA	I-40	N/A	The entire I-40 route along the western shoulder was walked and no RECs were identified along this route.
20	267	UNC Morehead Chemistry Lab	115 South Street, Chapel Hill	No activity visible at this small superfund site. It is a normal part of the central campus area with grass, trees, and buildings.
20	278	Beryl Slome Property	223 Vance Street, Chapel Hill	
20	267	University of North Carolina	No address listed	No activity visible at this small superfund site. The site is a fraction of an acre and is part of the landscaped central campus.



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EDR Focus Map	EDR Map ID	Site Name	Address	Field Comment
20	294	UNC Grounds Maintenance	Daniels Road, Chapel Hill (precise location not known per database, AECOM used 105 Daniels Road for geolocation)	Overall, this entire area appeared free of RECs. The maintenance compound was neat and orderly: no stains observed, equipment was either stored indoors or was free of oil and other contamination if stored outside. All chemicals were stored inside or within containment boxes. No signs of vehicle repair observed outside. Drainage swales showed no evidence of past releases. Hazardous chemical containers were protected in indoor locations of or in "drum containment" devices.
20	292 to 298	UNC from Genetic Medicine Building to Parcel 9788524027	N/A	
NA	NA	Ticon Properties	East of US 15-501 & west of Western Bypass Road, 1500 feet north of Pickett Road, Durham	Six 55-gallon drums, some partially full, were left on the ground near a billboard. Also minor amount of construction debris and trash. It would appear that the contractor who erected the sign may have left these drums. Upon return visit, verified that the six 55-gallon drums had been removed and that there were no stains on the ground or stressed vegetation.

## 6. Findings, Opinions, and Conclusions

This section includes the findings, opinions, and conclusions made on properties with suspected environmental impacts. All properties of concern identified in this limited Phase I ESA were categorized into three significance levels: low, medium, and high. Rankings for all properties can be found in Appendix B. The methodology used to provide guidance on determining the level of environmental impact or risk was based on the ranking protocols adopted by the Minnesota Department of Transportation Office of Environmental Stewardship for limited Phase I ESAs of roadway corridors. The significance is as indicated below:

**Low** – Based on the geological information available for the area, the properties that are greater than 500 feet away from the alignment have the least risks of environmental impacts. This is due to the fact that groundwater and subsurface contamination is significantly minimized at such a distance. In addition, waste generators or listing records (e.g., no recorded incident, FINDS database record, etc.) are classified as low risk.

**Medium** – Properties that are within 500 feet of the alignment and are closed LUST sites, AST/UST sites, vehicle repair sites, junk yards, or have closed spill incidents.

**High** – Properties that are within 500 feet of the alignment and are closed LUST sites that had no documented cleanup, are historical dry cleaners, historical auto stations (i.e., gas stations), active LUST sites, or have open spill incidents.

### 6.1 Findings

Sites identified as having high- and medium-risk conditions, with the potential for contamination from hazardous material use and/or activities, are noted in Table 5 and 6, respectively. See Figure 2 for an overview map of all high-risk properties and see Appendix C for maps of all identified sites and their significance level. In addition, orphan sites (parcels identified in the EDR report that could not be geo-located by EDR) were reviewed. Three orphan sites were located within the study area of the proposed D-O LRT Project and were evaluated along with all of the other properties.

Table 5: Summary of High Risk Sites

Figure 2 ID	EDR Focus Map	EDR Map ID	Site Name	Address	Database
1	5	24	Durham Dry Cleaning	2526 Erwin Road, Durham	RCRA Generator
2	5	24	Kelsie Compton Metro Express	2501 Erwin Road, Durham	LUST
3	5	26	Exxon 4-4015	2437 Erwin Road, Durham	Historic Auto Station, LUST
4	5	31	Erwin Road 66 Service Station	2710 Erwin Road, Durham	Historic Auto Station
5	5	43	Clean Flo Laundromat	633 Broad Street, Durham	Historic Dry Cleaners
6	5	43	Lloyds 66	1802 West Main Street, Durham	LUST

Figure 2 ID	EDR Focus Map	EDR Map ID	Site Name	Address	Database
7	5	43	NCDSCA (White Star Laundry)	637 Broad Street, Durham	Dry Cleaner, RCRA Generator
8	5	45	West Durham BP 450 (prior owner is MM Power, Inc.)	1922 West Main Street, Durham	LUST
9	5	47	1601 03 Esso Mart	1601 Erwin Road, Durham	Historic Auto Station
10	5	47	Erwin Road Amoco	1615 Erwin Road, Durham	Historic Auto Station
11	5	52	ALS Auto Repair	607 Broad Street, Durham	Historic Auto Station
12	6	69	Claude May	1101 West Main Street, Durham	LUST
13	6	72	MCE Co, Inc. & Durham Dry Cleaners and Laundry	113 South Gregson Street, Durham	Historic Dry Cleaners, RCRA Generator
14	6	80	Brightleaf Square	800 West Main Street, Durham	SHWS
15	6	82	Transportation Services, Duke University Transit (later Duke University "surplus bldg.")	712 Wilkerson Avenue, Durham	IMD, UIC
16	6	83	Arthur West Lemons	611 Wilkerson Avenue, Durham	Historic Auto Station
17	6	99	Flintom Services Inc. (current owner listed as TTA)	404 West Chapel Hill Street, Durham	LUST
18	6	114	Mechanics and Farmers Bank	116 West Parrish Street, Durham	LUST
19	6	114	Webster's Cleaners	112 West Parrish Street, Durham	Historic Dry Cleaners
20	6	116	Durham Transportation Center	500 Willard Avenue, Durham	LUST
21	6	120	American Tobacco	Blackwell & Pettigrew Street, Durham	LAST
22	9	213	Precision Tune Durham	3910 Chapel Hill Blvd, Durham	Historic Auto Station, LUST
23	9	214	RPM Nissan (also Michael Jordan Nissan)	3930 Chapel Hill Blvd, Durham	LUST, RCRA Generator
24	9	221	Regency Plaza Cleaners	3912 University Drive, Durham	RCRA Generator
25	9	223	H & S Cleaners	4015-H University Drive, Durham	Historic Auto Station, Historic Dry Cleaners, RCRA Generator
26	11	124	Former Durham Area Transit Authority	111 Vivian Street, Durham	IMD, LAST, LUST TRUST, RCRA Generator

Figure 2 ID	EDR Focus Map	EDR Map ID	Site Name	Address	Database
27	11	124	Transportation Center – Durham	111 Vivian Street, Durham	LUST
28	11	139	Durham Housing Authority	337 East Peabody Street, Durham	LUST
29	11	144	601 Ramsuer Street	601 Ramsuer Street, Durham	Historic Auto Station
30	11	158	Quality Janitor Service & Seaboard Coastline RR	815 & 816 Ramsuer Street, Durham	Historic Dry Cleaners, Historic Locomotive Facility
31	11	160	Schwartz and Sons Inc.	217 South Holman Street, Durham	FINDS, LUST, NPDES
32	11	179	Don C. Christian Co. Inc.	South Goley & Cross Street, Durham	UST
33	11	180	Bob's Service Garage	309 South Alston Avenue, Durham	LAST
34	11	180	Freeway BP, Bob's Service Garage	308 & 309 South Alston Avenue, Durham	LUST
35	11	181	Hudson Automotive	1003 Gillette Avenue, Durham	Historic Auto Station
36	12	186	Benchmark Materials	311 South Plum Street, Durham	LAST, LUST
37	12	199	Brenntag Southeast Inc.	2000 East Pettigrew Street, Durham	LAST, LUST, RCRA Generator
38	14	224	Garrett Road BP (also known as Starvin Marvin)	4525 Chapel Hill Blvd, Durham	Historic Auto Station, LUST
39	14	229	Classic Toyota, Inc.	4513 Chapel Hill Blvd, Durham	Historic Auto Station, LUST
40	14	234	Circle K (former)	4212 Garrett Road, Durham	UST
41	21	283	Historic Cleaner (Cleaner World, Carolina Cleaners)	1210 Raleigh Road, Chapel Hill	Historic Dry Cleaners
42	N/A	N/A	Graybar Building Site (former)	303 South Duke Street, Durham	(from previous investigation)

Figure 2: Overview Map of High Risk Properties

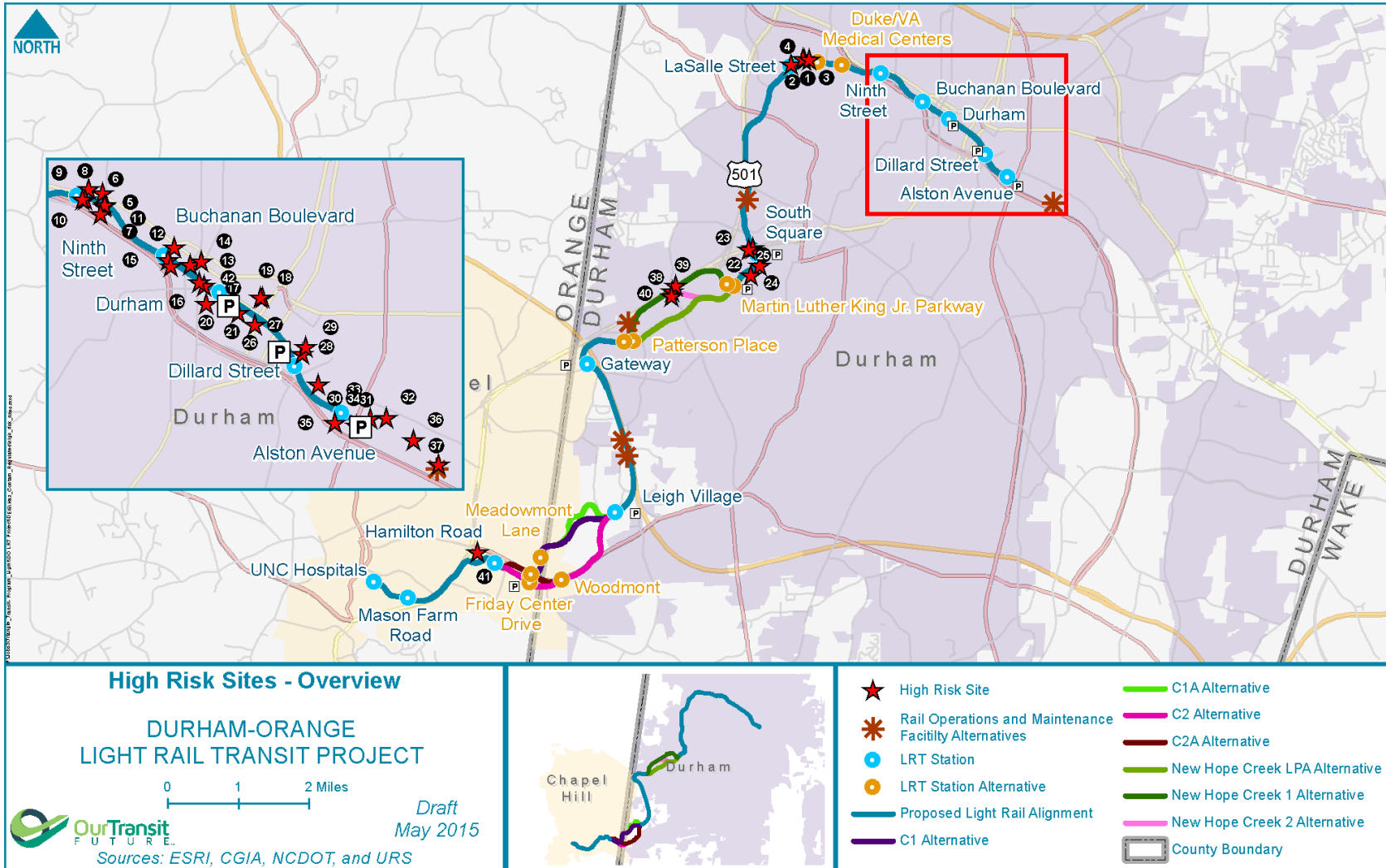


Figure 3: Hazardous Materials Sites: High Risk

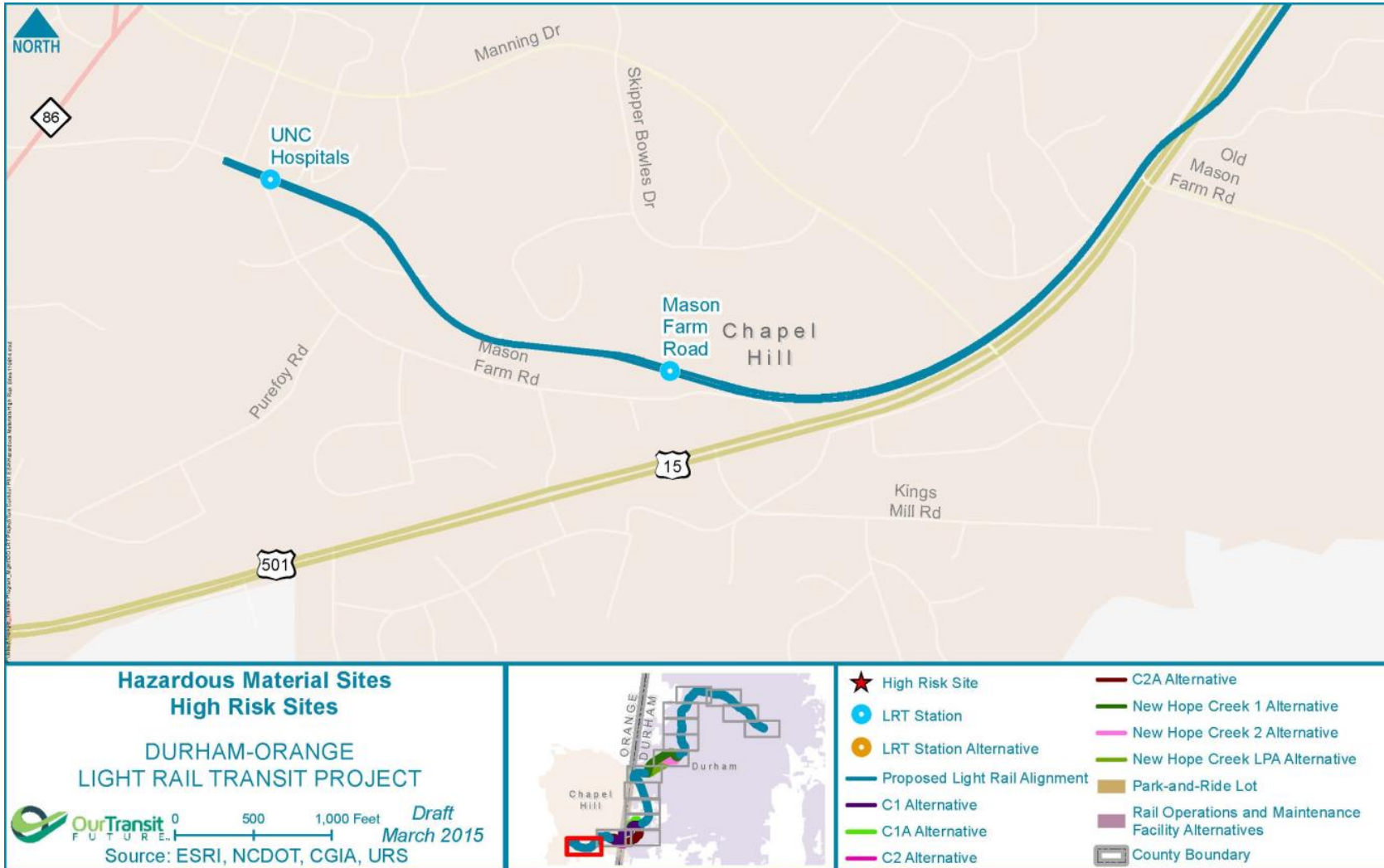


Figure 4: Hazardous Materials Sites: High Risk

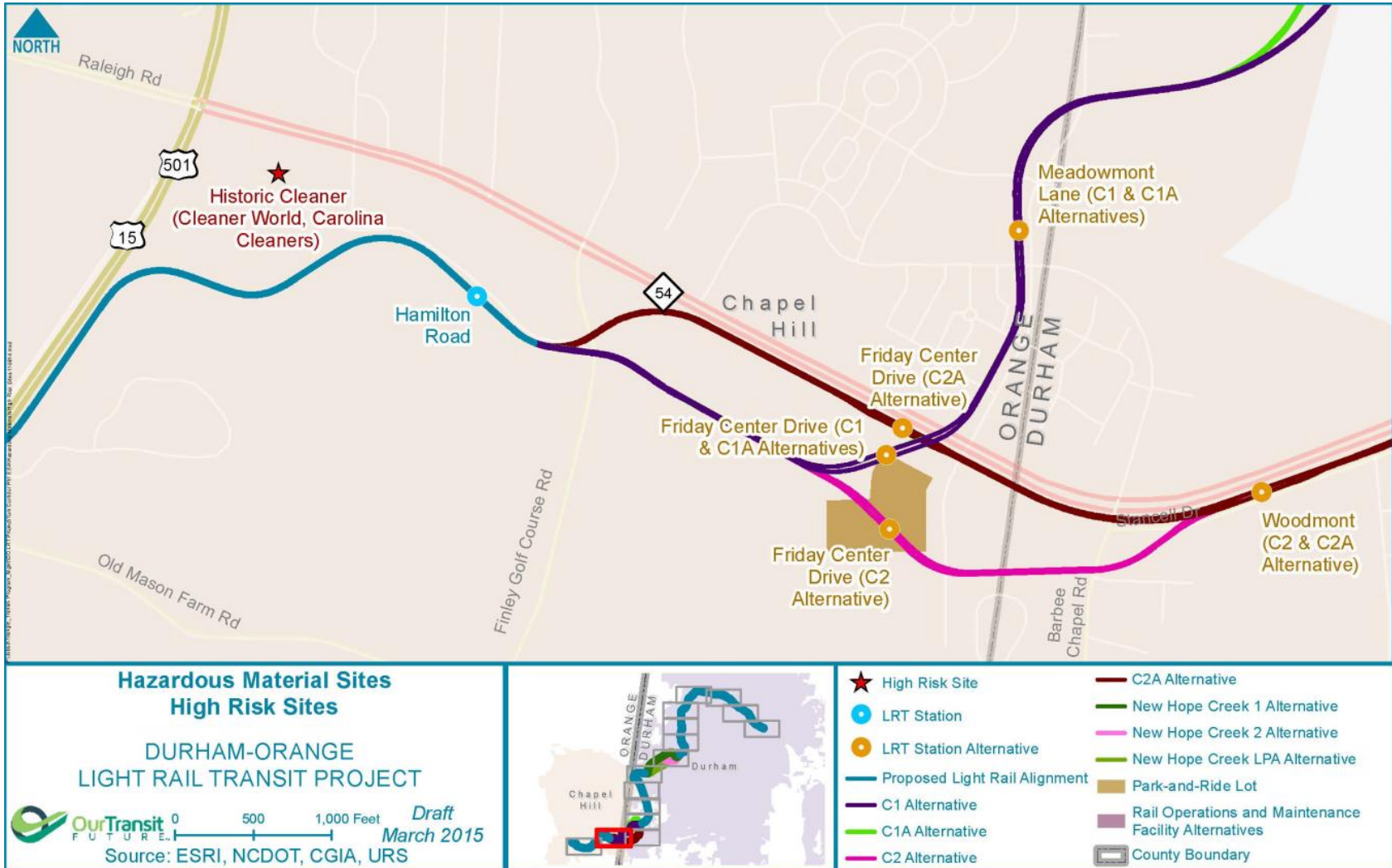




Figure 5: Hazardous Materials Sites: High Risk

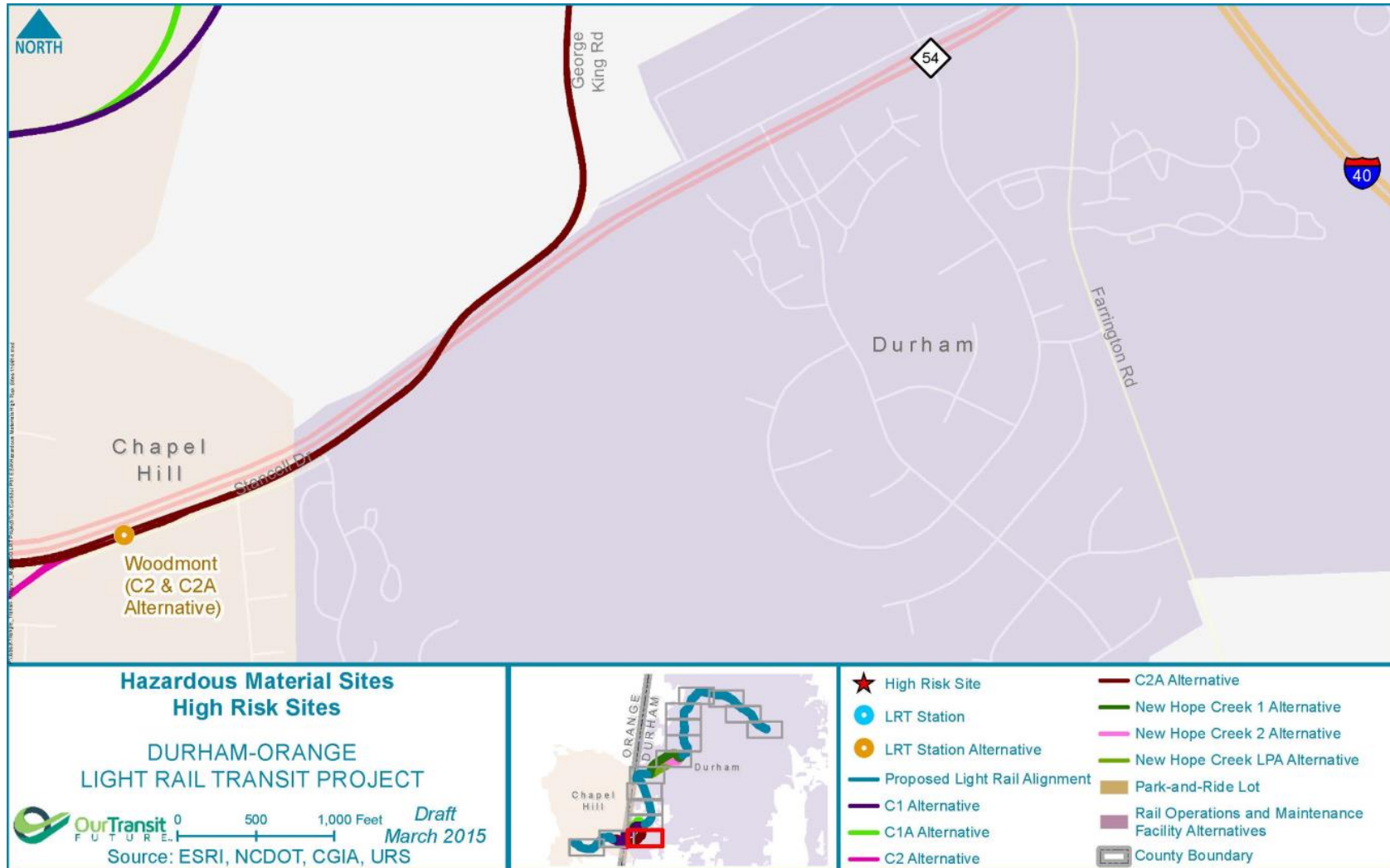


Figure 6: Hazardous Materials Sites: High Risk

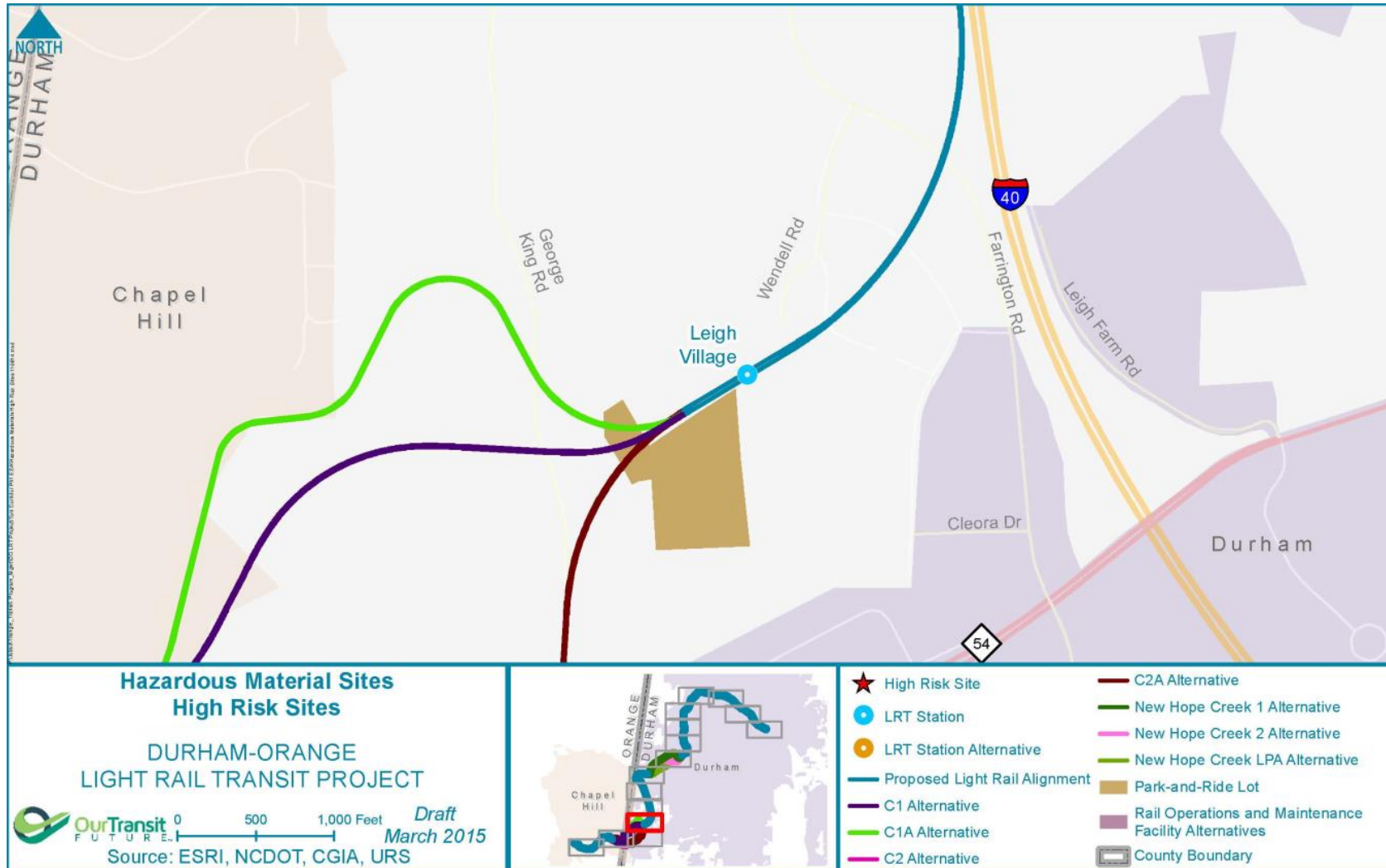


Figure 7: Hazardous Materials Sites: High Risk

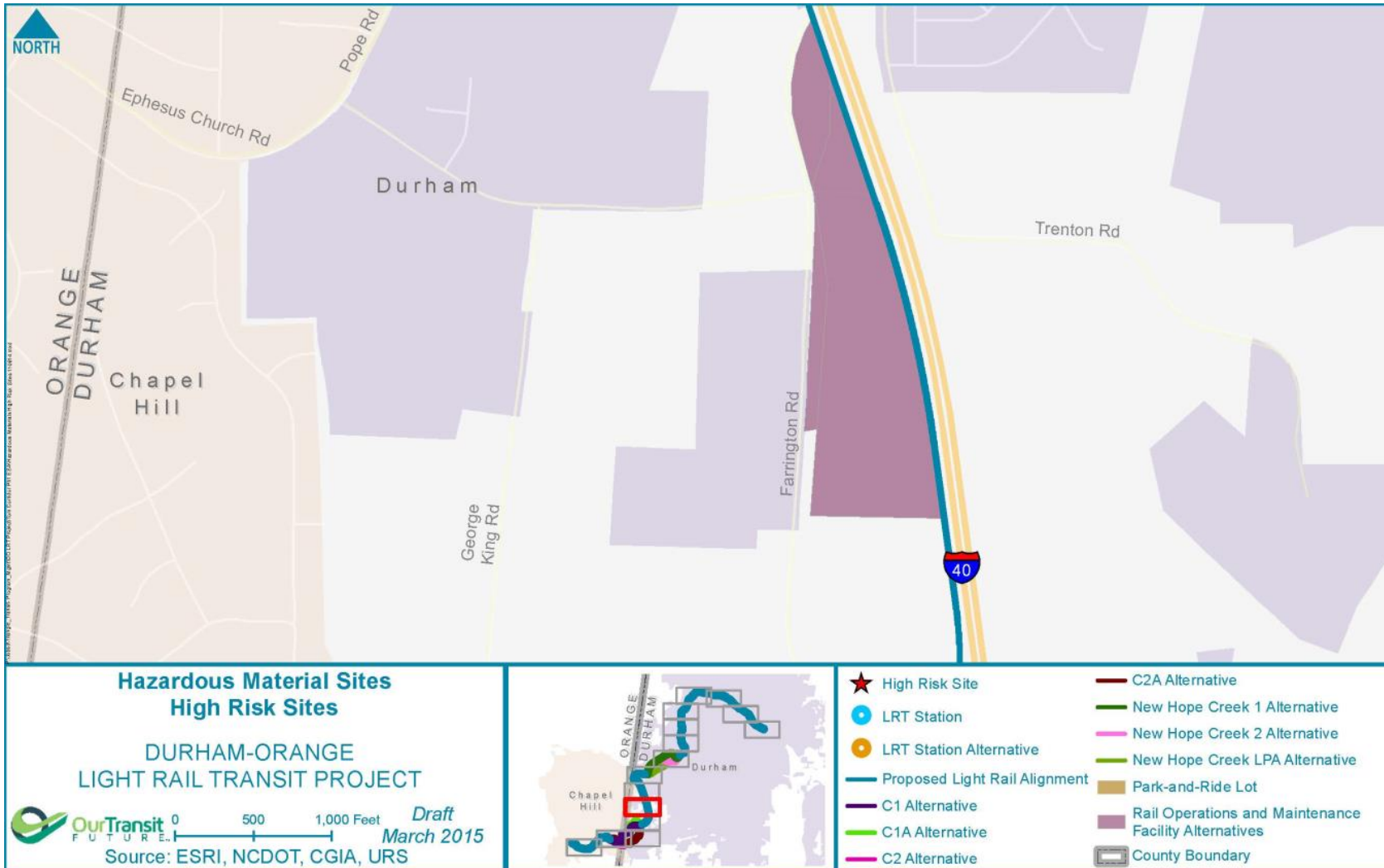


Figure 8: Hazardous Materials Sites: High Risk

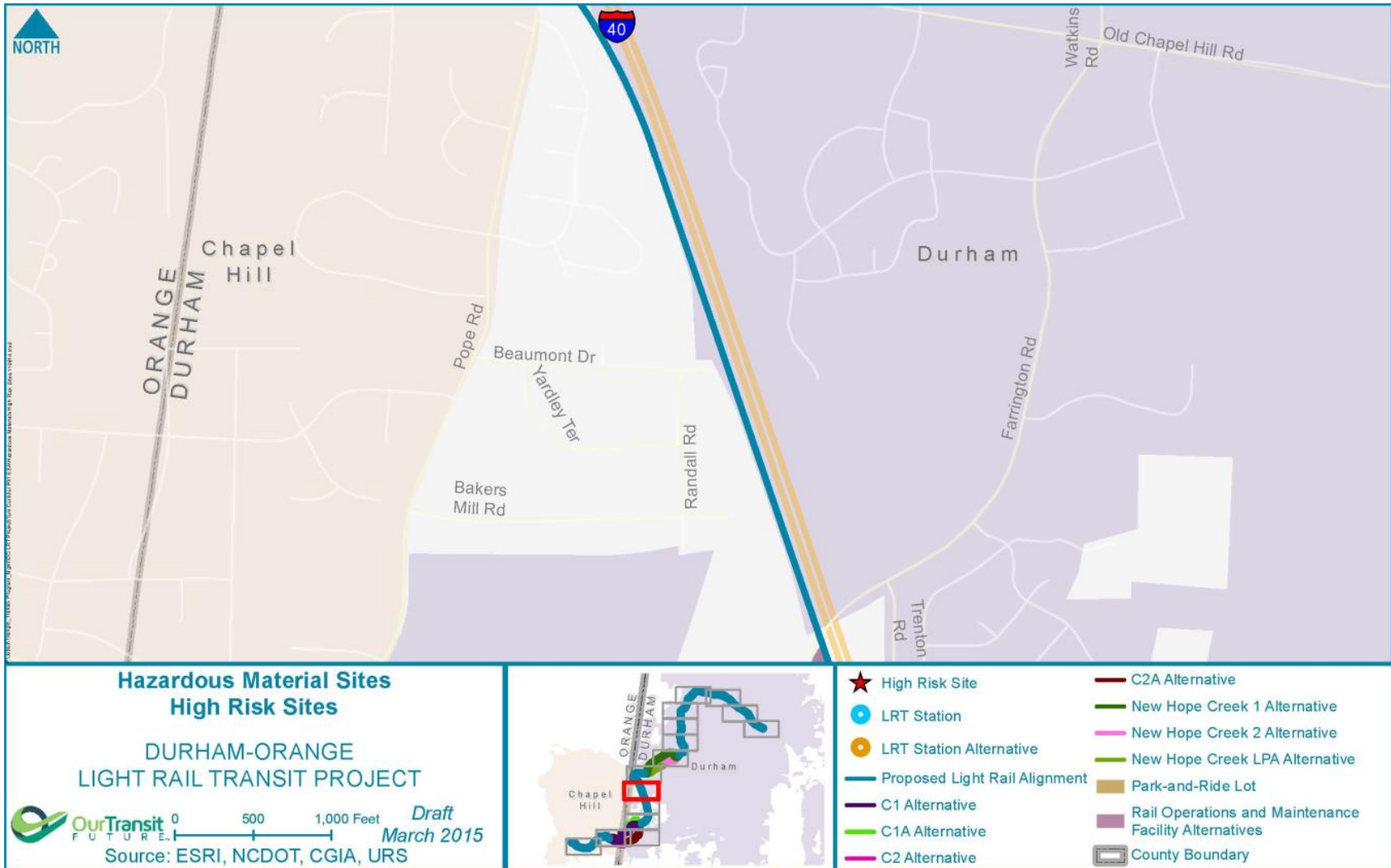


Figure 9: Hazardous Materials Sites: High Risk

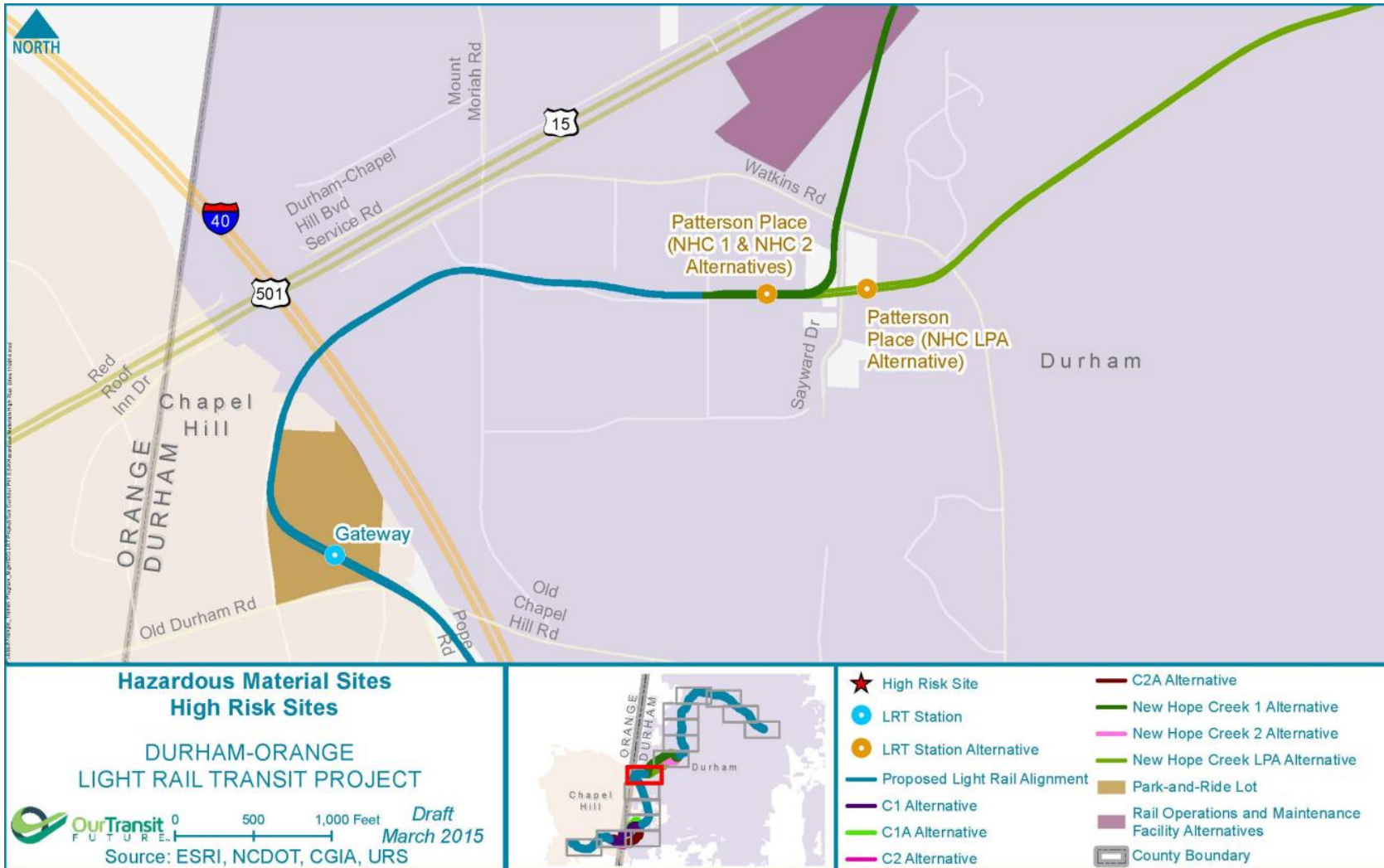


Figure 10: Hazardous Materials Sites: High Risk

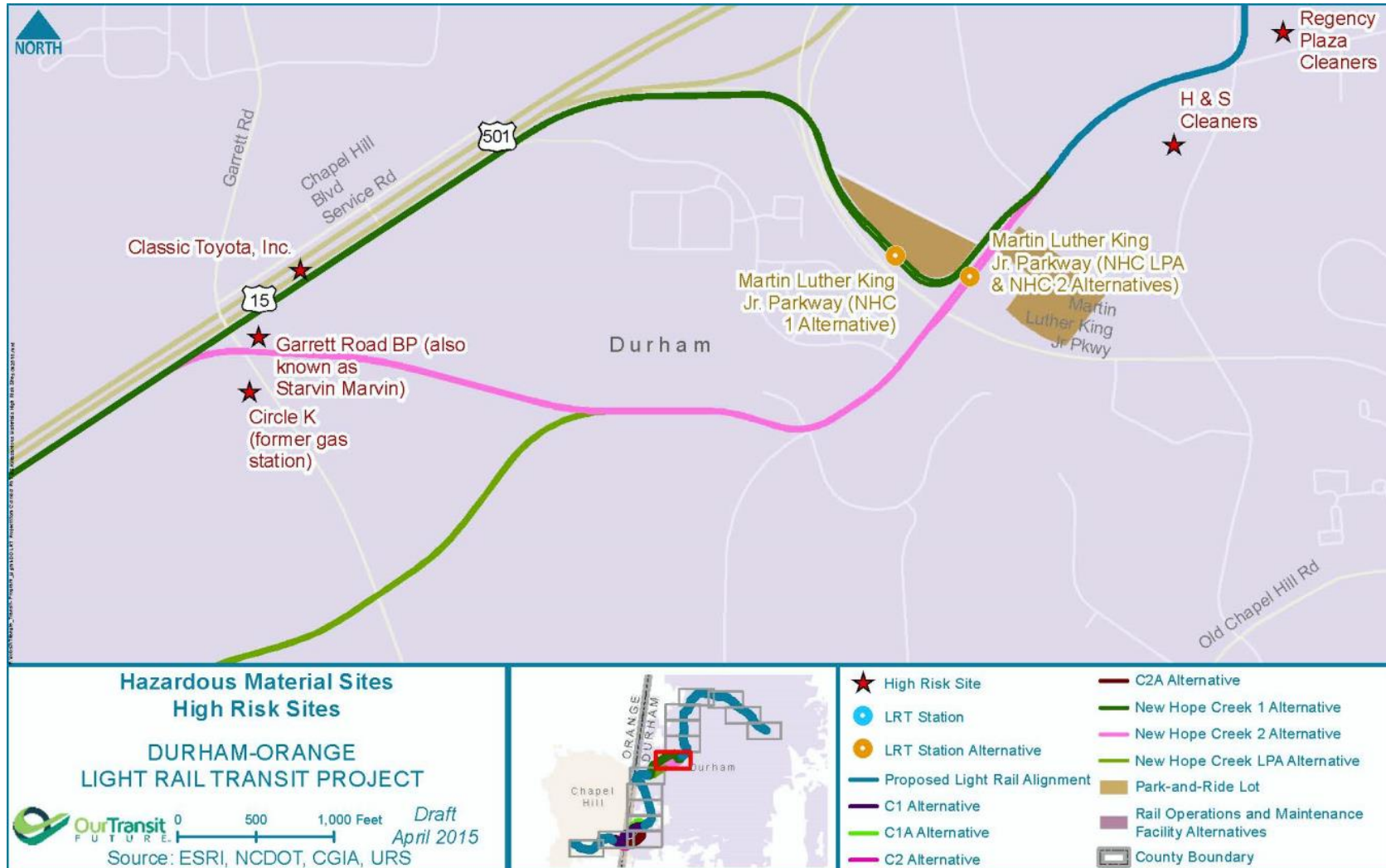


Figure 11: Hazardous Materials Sites: High Risk



Figure 12: Hazardous Materials Sites: High Risk

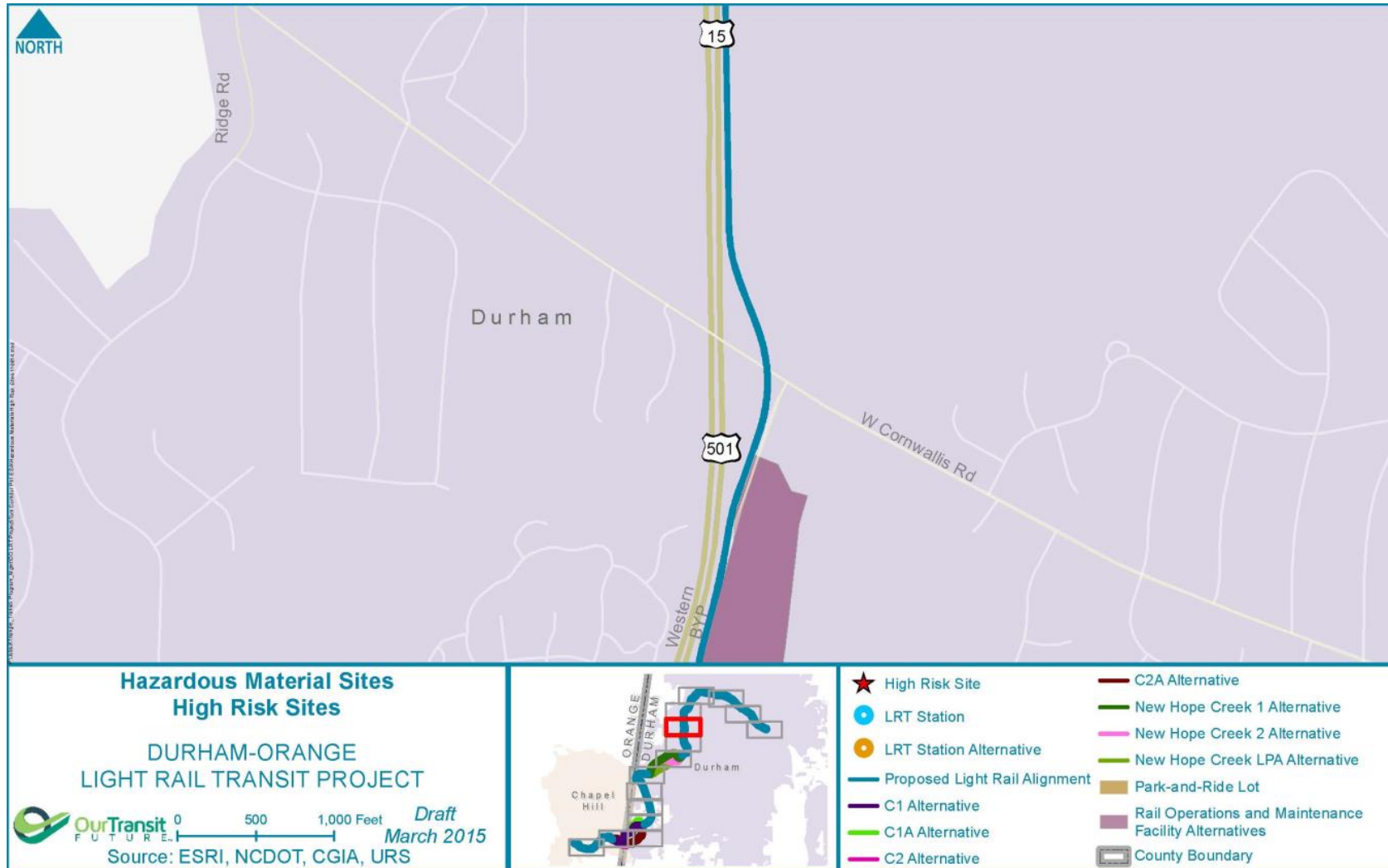




Figure 13: Hazardous Materials Sites: High Risk

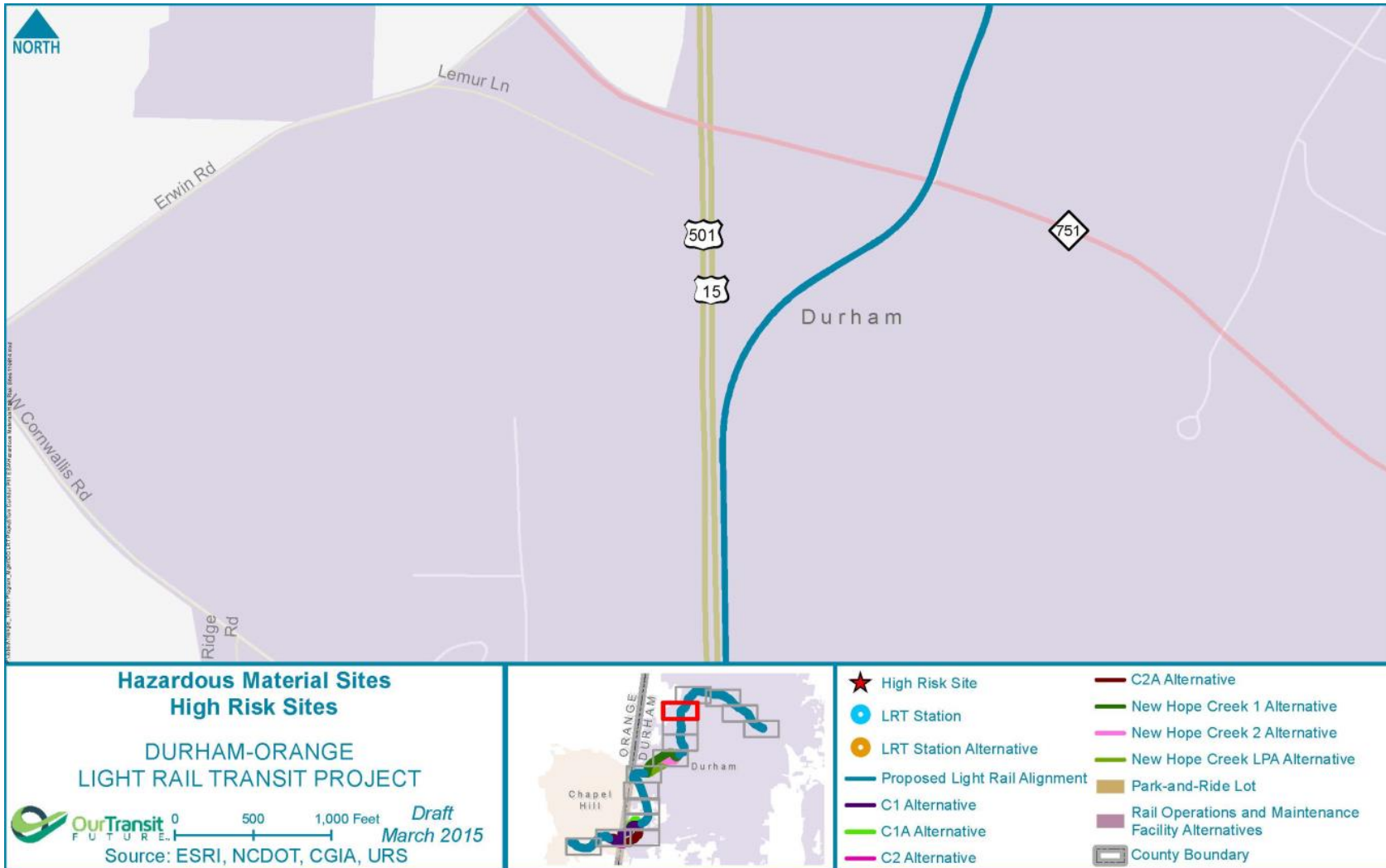


Figure 14: Hazardous Materials Sites: High Risk

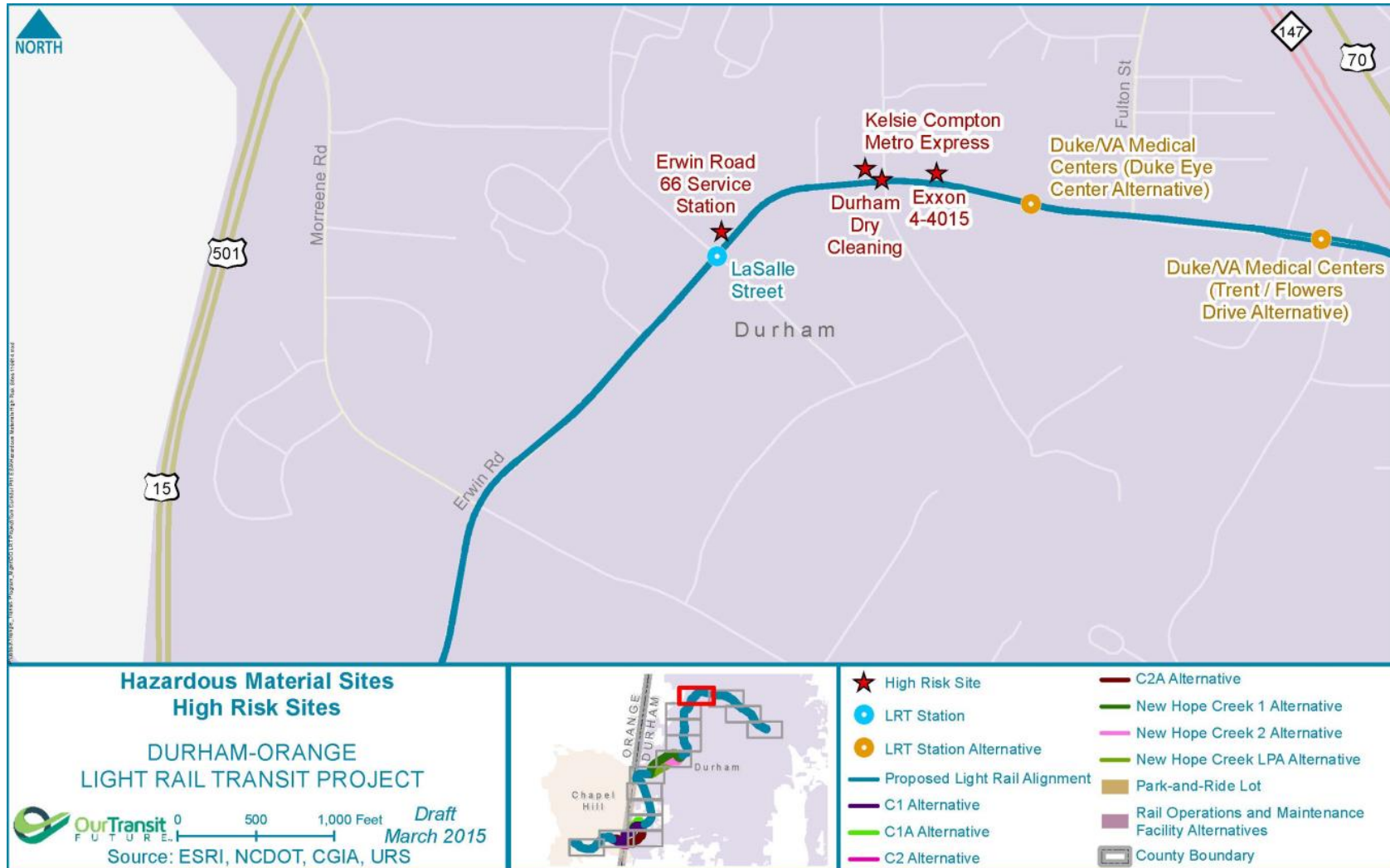


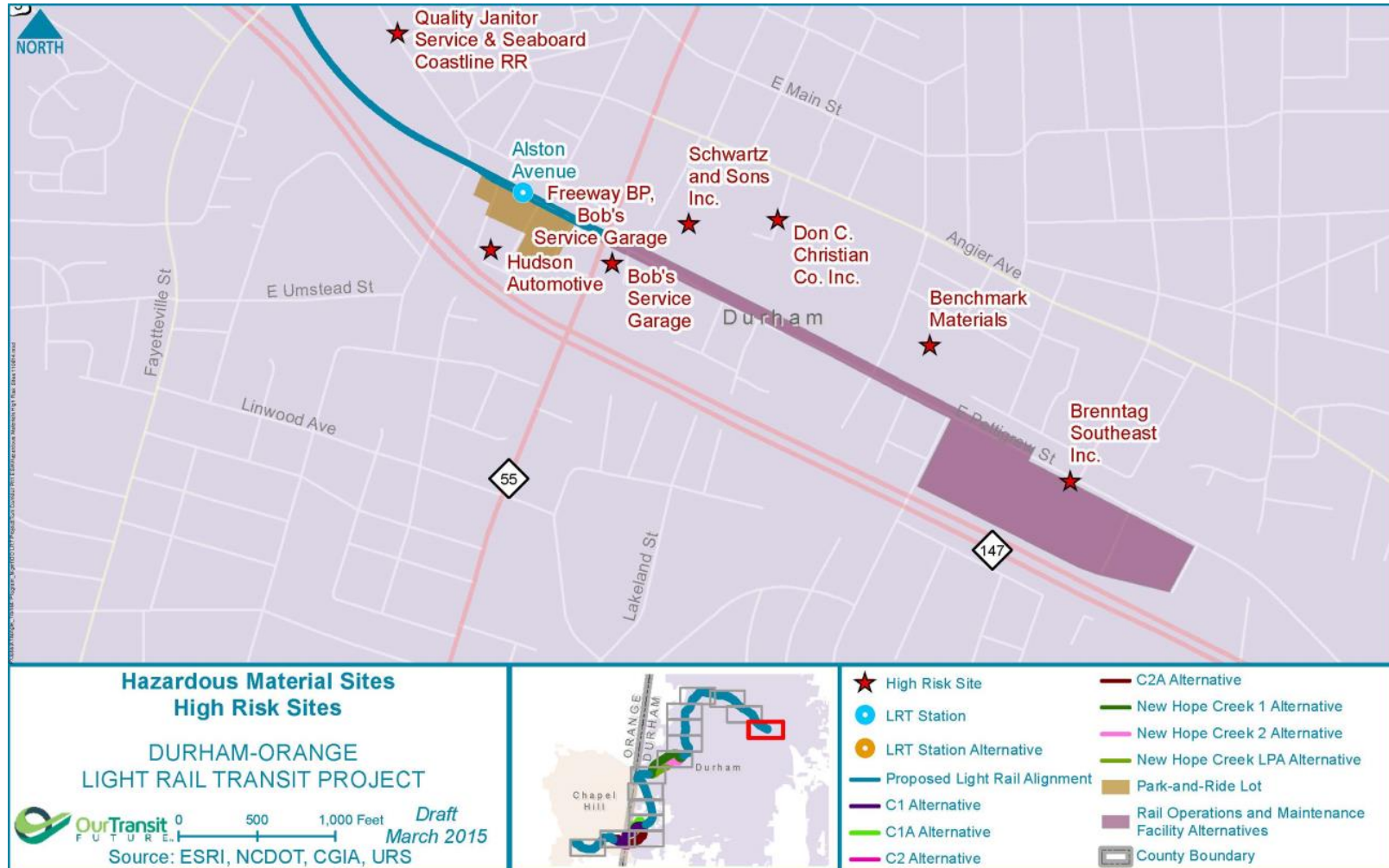
Figure 15: Hazardous Materials Sites: High Risk



Figure 16: Hazardous Materials Sites: High Risk



Figure 17: Hazardous Materials Sites: High Risk



## Limited Phase I Environmental Site Assessment

**Table 6: Summary of Medium Risk Sites**

EDR Focus Map	EDR Map ID	Site Name	Address	Database
4	130	Duke University Golf Club	Off Highway 751, Durham	UST
5	19	Durham VA Hospital	508 Fulton Street, Durham	LUST, RCRA Generator
5	22	Duke University Telecom Building	2210 Elba Street, Durham	LUST
5	24	Erwin Road Pure Oil, Couch Oil, Williams Unocal	2500 Erwin Road, Durham	Historic Auto Station, LUST
5	26	Brownstone Hotel (former)	2424 Erwin Road, Durham	LUST
5	27	Coble Chapel/Methodist Retire	2616 Erwin Road, Durham	LUST
5	27	Phillips 66	2810 Erwin Road, Durham	UST
5	28	Burlington Industries (former)	West Main Street, Durham (precision location not known per database, AECOM used 735 West Main Street for geolocation)	LUST, SHWS
5	30	Erwin Terrace	931 Lambeth Circle, Durham	LUST
5	36	Duke University and Medical Center	No single address (a large campus) (AECOM used 2301 Erwin Road, Durham for geolocation)	UST
5	44	Burlington Industries Durham Plant	Corner of Ninth & West Street, Durham (AECOM used 703 Ninth Street for geolocation)	UST
5	47	Sam's Quik Shop (currently branded as Exxon)	1605 Erwin Road, Durham	UST
5	53	Lennox Baker Hospital	3000 Erwin Road, Durham	LUST
5	Orphan	Sam's Club #4831	4005 Durham-Chapel Hill Blvd, Durham	RCRA Generator, PA MANIFEST, UST
5	Orphan	Services Complex - Surface Parking	500 East Main Street, Durham	LUST
6	68	Duke University	117 South Buchanan Blvd, Durham	LUST



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EDR Focus Map	EDR Map ID	Site Name	Address	Database
6	68	Durham City Main (formerly Durham Schools Maintenance)	923 Maxwell Avenue, Durham	LUST
6	68	Liggett GRP (Smith Storage)	114 South Buchanan Blvd, Durham	LAST
6	71	John Williams Investment Co.	213 Broad Street, Durham	LUST
6	72	Main Street Garage	906 West Main Street, Durham	Historic Auto Station
6	73	Top's Texaco, Trinity Park Family Fare, Brame Specialty	1016 West Main Street, Durham	LUST
6	75	Southern Repair Service Property	913 Rome Avenue, Durham	LAST
6	84	Durham Laundry	Gregson & Peabody, Durham (AECOM used 113 South Gregson Street for geolocation)	LUST
6	85	Liggett Group Inc. New Cigarette Factory	700 West Main, Durham	RCRA Generator, SHWS, UST
6	87	Liggett Group Inc. Cobb Building	710 West Main, Durham	RCRA Generator, SHWS, UST
6	89	Elkins Chrysler-Plymouth	125 East-West Expressway, Durham	RCRA Generator, UST
6	89	Hall Wynne Funeral Home	1113 West Main Street, Durham	LUST
6	89	Liggett Meyers	Fernway & Morgan Street, Durham (precise location not known per database, AECOM used 710 West Main Street for geolocation)	LUST
6	94	City of Durham	102 Morris Street, Durham	Brownfields
6	97	WDNC Transmitter Site	138 West Chapel Hill Street, Durham	LUST
6	109	NC Mutual Life Insurance Company	411 West Chapel Hill Street, Durham	LUST
6	112	Merchants Tire and Auto	317 Pettigrew Street, Durham	LUST, RCRA Generator
6	119	Almega Property Management	102 East Main Street, Durham	LUST
6	120	Concoran Parking Garage	212 Corcoran Street, Durham	LUST
6	120	Former Durham Public Service Co.	309 Blackwell Street, Durham	SHWS



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EDR Focus Map	EDR Map ID	Site Name	Address	Database
6	120	SIPCO, Inc. (or known as Mapelli Brothers)	205 Blackwell Street, Durham	UST
6	123	Judicial Building	201 East Main Street, Durham	LUST
6	124	N. Ramseur and South Mangum	North Ramseur & South Mangum Street, Durham (precise location not known per database, AECOM used 162 Ramseur Street for geolocation)	ERNS
9	200	Pepsi Cola Facility	2717 Western Bypass, Durham	LUST
9	208	University Tower	3100 Tower Blvd, Durham	LAST
9	215	Durham Auto Park	3823 Chapel Hill Blvd, Durham	LUST
9	215	Northern Telecom Gateway Facility	4001 NC Hwy 54, Durham	LAST
9	219	Snow White Cleaners Dry Cleaning Plant	3117 Shannon Road, Durham	Historic Dry Cleaners
9	NA	Firestone Tire and Service Center	NE corner of University Drive & Westgate Drive, Durham (URS used 4126 University Drive for geolocation)	NA
11	120	American Tobacco - Nowell	312 Blackwell Street, Durham (also includes listing for Pettigrew & Blackwell)	RCRA NonGen/NLR, UST
11	120	Durham Public Service Co. Property	309 Blackwell Street, Durham	SHWS
11	120	Power House	320 Blackwell Street, Durham	LUST, PIRF
11	124	Durham County Detention Facility	219 South Mangum Street, Durham	UST
11	124	U-Haul 782-57	247 South Mangum Street, Durham	IMD
11	128	Durham County Detention Center & Durham Engineering	326 East Main Street, Durham	LUST TRUST, RCRA Generator
11	128	Durham Housing Authority	330 East Main Street, Durham	FINDS, LUST TRUST
11	131	Chandler Concrete Company, Inc.	200 East Pettigrew Street, Durham	UST
11	134	Durham County Human Services Complex	414 East Main Street, Durham	LUST





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EDR Focus Map	EDR Map ID	Site Name	Address	Database
11	134	St. Philips Episcopal Church	403 East Main Street, Durham	IMD, LUST, LUST TRUST
11	141	Parking Lot	464 East Pettigrew Street, Durham	LAST, LUST
11	144	Budd Piper Roofing	506 Ramseur Street, Durham	LUST
11	145	Rick Hendrick Collision Center	409 South Roxboro Street, Durham	RCRA Generator
11	151	Boyce Building Supply & Excel Auto Repair	704 & 706 Ramseur Street, Durham	Historic Auto Station, UST
11	151	REA Express (also Amoco Oil)	Ramseur & Hood Street, Durham (precision location not known per database, URS used 704 Ramseur Street for geolocation)	UST
11	154	Elkins Chrysler-Plymouth	125 East-West Expressway, Durham	LUST
11	164	CSX Railroad Depot	902 Ramseur Street, Durham	LUST
11	168	M&F Bank Building (former)	615 Old Fayetteville Street, Durham	LUST
11	177	Orange Recycling (formerly Hecks Auto Care)	1010 East Pettigrew Street, Durham	Historic Auto Station, RCRA Generator
11	180	Southern Coach Company	1300 East Pettigrew Street, Durham	UST
11	189	Sullivan Street Site	1606 Sullivan Street, Durham	Brownfields
11	124 & 188	Tucker Properties	1802, 1804 & 1806 East Pettigrew Street, Durham	Brownfields
12	185	Grady L Hux and Sons Contractor	Physical site address not listed (address of owner is out of state)	LUST
12	187	Tuscarora Plastics Inc.	1602 East Pettigrew Street, Durham	LUST
12	190	Tucker Properties	405 & 409 Bernice Street, Durham	Brownfields
12	192	Environmental Recycling	1901 Peabody Street, Durham	CERC-NFRAP, RCRA Generator
12	196	Tucker Properties	1703 & 1705 Joplin Street, Durham	Brownfields
12	201	Pifer Industries	2210 East Pettigrew Street, Durham	SHWS



## Limited Phase I Environmental Site Assessment

EDR Focus Map	EDR Map ID	Site Name	Address	Database
13	236	Swedish Import Maintenance	5404 Chapel Hill Blvd, Durham	UST
13	241	Erwin Amoco (former)	I-40 & US 15-501, Durham	LUST
14	227	Dowdy Estate	3424 Lyckan Parkway, Durham	LUST
14	228	Morgan Bunky Property	4421 Chapel Hill Blvd, Durham	LUST
14	228	Triangle Cycles	4503 Chapel Hill Blvd, Durham	LUST
14	230	The Cleaners, K-Mart	4215 University Drive, Durham	RCRA Generator, UST
14	231	Millennium Automotive Group	4511 Durham-Chapel Hill Blvd, Durham	Historic Auto Station, LUST, RCRA SQG
20	294	UNC Grounds Maintenance	Daniels Road, Chapel Hill (precise location not known per database, AECOM used 105 Daniels Road for geolocation)	LUST
20	292 to 298	UNC from Genetic Medicine Building to Parcel 9788524027	NA	IMD, LUST, LUST TRUST
21	271	Meredith Estate	2 Oakwood Drive, Chapel Hill	LUST
21	272	Glenwood 66	1010 Raleigh Road, Chapel Hill	LUST
21	274	Fire Station #2	1003 South Hamilton Road, Chapel Hill	LUST
21	285	St. Thomas More Catholic Church	940 Carmichael Street, Chapel Hill	LUST
21	299	Mary Ellen Jones Building	98 Manning Drive, Chapel Hill	UST
21	304	UNC Baity Housing	1503 Mason Farm Road, Chapel Hill	LAST, LUST
22	291	East 54 Development	1310 Raleigh Road, Chapel Hill	LUST
22	295	Brinson Property	6 Friar Lane, Chapel Hill	LUST

### 6.2 Opinions

The following opinions correspond to the findings listed in the previous section:

- High risk properties should undergo a full Phase I or Phase II ESA following ASTM standards after a Record of Decision (ROD) is issued and prior to acquisition. This will ensure that any RECs are accurately identified for properties that would potentially result in a significant concern or would be directly impacted by the Light Rail Alternatives prior to acquisition.



## Limited Phase I Environmental Site Assessment

- Medium risk properties should have their closure status or current site status reviewed with NCDENR a few months prior to any construction activities. This will ensure that no new activities have occurred, which may elevate the risk level and that the current activities are still indicative of minimal potential for contamination from hazardous material use and/or activities.
- For the three high risk properties where previous investigations exist (i.e., Flintom Services Inc. [former], Bob's Service Garage, and Graybar Building Site [former]), the recommendation is to review their current status with NCDENR after a ROD is issued and well in advance of any construction activities to determine if any cleanup activities have occurred. If cleanup has occurred, then Phase II sampling should be conducted immediately to determine if remediation of the site has been performed to acceptable standards since the previous investigations were published. If cleanup has not occurred, then mitigation activities are recommended.
- Engineering and construction crews are recommended to be alert for signs of apparent contamination during excavations or pre-construction borings, even if the Phase I assessment indicates low probability of contamination at a given location.
- Engineering and construction crews are recommended to immediately report apparent contamination to their supervisor. Upon discovery of contamination, supervisors should be aware of who to call at Triangle Transit, the managing contractor's office, NCDENR, and EPA, if necessary.

### 6.3 Conclusions

This limited Phase I Environmental Site Assessment was performed in accordance with the scope and limitations of ASTM Standard E 1527-05 of the proposed D-O LRT Project located in Durham and Orange counties, North Carolina. Any exceptions to, or deletions, or limitations from this practice were stated in the applicable sections of this report. The limited Phase I site contamination screening had identified properties with a high risk of potential hazardous material impacts as documented in the previous sections.



## Limited Phase I Environmental Site Assessment

### 7. Additional Services

As indicated by the scope of work, it is anticipated that several properties along the Light Rail Alternative alignments may require an initial full Phase I assessment following ASTM standards. Several properties could potentially be acquired after the ROD is issued and prior to construction of the proposed D-O LRT Project. Prior to the acquisition, a full Phase I or Phase II assessment following ASTM standards will be required. The additional analysis will include title searches, site reconnaissance, and interviews with persons knowledgeable of the property in question, its history, and possible environmental contamination. The number of properties requiring individual Phase I assessments will be determined based on results from this initial limited Phase I ESA and the determination of the final route alignment.

For properties requiring a full Phase I assessment, site reconnaissance visits and interviews will be conducted to validate information obtained through record searches. The site reconnaissance will involve a visual and physical observation of the exterior of the property and the interior of structures on the property. Persons determined to have knowledge of the area will be interviewed (e.g., fire chief, local property owner or operator, long-time resident, zoning official). If deemed appropriate, owners or users of adjacent facilities will also be interviewed for the same purpose. In addition, a 50-year chain of title search will be conducted for an additional fee to help determine possible past uses of the property. The search will include information regarding liens, easements, or special deeds and will focus on parcel ownership.

As noted in section 1.1, geotechnical borings were conducted between April and October 2014 along the entire length of the proposed D-O LRT Project and no contaminated soil was observed in any of the soil boring results, as documented in the proposed D-O LRT Project's *Subsurface Investigation Report, December 2014*.



## Limited Phase I Environmental Site Assessment

### References

- ASTM International. *Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process*, Designation: E 1527-05. November 2005.
- Environmental Data Resources, Inc. *EDR DataMap™ Environmental Atlas™*, Durham-Chapel Hill Corridor, Durham, NC. Inquiry Number: 3589508.1s, May 06, 2013.
- Environmental Investigations, Inc. *Limited Phase II Environmental Site Assessment Conducted on Bob's Service Garage*, Durham, NC. EI Project No. 15-401-010, May 4, 2004.
- Environmental Investigations, Inc. *Phase I-II Soil Assessment Conducted on Former Graybar Building Site and Former Flintom Services Site*, Durham, NC. EI Project No. ENMO101840.01, May 28, 2010.
- Esri, *DigitalGlobe, GeoEye, i-cubed*, USDA.
- Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. *Web Soil Survey*. Available online at <http://websoilsurvey.nrcs.usda.gov/>. Accessed 2013.
- U.S. Department of Transportation Federal Transit Administration and Triangle Transit Authority. *Phase I Regional Rail System Durham and Wake Counties, North Carolina Final Environmental Impact Statement and Section 4(F) Evaluation*. November 2002.



## Limited Phase I Environmental Site Assessment

### Qualifications of Environmental Professionals

This section includes qualification statements of the environmental professional responsible for conducting the ESA and preparing this report.

The site reconnaissance and file reviews were performed and supervised by Tom Mappes, PE and the report writing was completed by Daphne Wang, PE of AECOM (formerly URS Corporation) in Morrisville, North Carolina. Mr. Mappes has more than 20 years of experience conducting Phase I ESAs and Ms. Wang has more than 8 years of experience conducting Phase I ESAs and regulatory compliance audits.

The aforementioned AECOM personnel declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 40 C.F.R. § 312.10.

We have the specific qualifications based on education, training, and experience to assess properties of the nature, history, and setting of the proposed D-O LRT Project. We have developed and performed this limited Phase I ESA in accordance with standard practices as indicated by ASTM Standard E 1527-05.



## Limited Phase I Environmental Site Assessment

# Appendices



## Limited Phase I Environmental Site Assessment

### Appendix A: Durham-Chapel Hill Corridor EDR DataMap™ Environmental Atlas™ Report

Appendix A is available at Triangle Transit office, 4600 Emperor Blvd. Durham, NC 27703, upon request.





## Limited Phase I Environmental Site Assessment

### Appendix B: ASTM 1527 Corridor Search Summary

**Triangle Transit - Durham-Orange Light Rail Project**  
**ASTM 1527 Corridor Search Summary (Data Purchased from EDR, Inc.)**

EDR Focus Map	EDR Map ID	Site Name per EDR Listing (site names created by URS where not listed by EDR)	Address	Data Base	Incident Date (Month/Year)	Incident Closure Date (Month/Year)	Distance	Comment 1	Comment 2	Field Comment	Estimated Risk	Recommendation
1	NA	No Phase I listings. Only a small edge of the corridor search distance extends into this map, and this land is undeveloped.										
2	NA	No Phase I listings. Only a small edge of the corridor search distance extends into this map, and this land is undeveloped wetlands or single-family residential.										
3	NA	No Phase I listings. Only a small edge of the corridor search distance extends into this map, and this land is single-family residential.										
4	121	MCNC	3021 Cornwallis Road, Durham	SHWS	Aug-06	NA	>4000 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
4	130	Duke Golf Course	Off Highway 751, Durham	UST	Dec-90	Not reported	>500 ft. from alignment (based on closest point of large parcel)	Permanent closure and removal.	None	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
5	1	Joseph Wand Property	2501 Englewood Drive, Durham	LUST	May-06	Not reported	>2500 ft. from alignment	Gasoline/diesel. Soil removed. No GW contamination detected after removals.	No site closure recorded.	No issues noted during field walk.	Low	No further actions.
5	2	Couch Oil Car Shop #5	2908 Hillsborough Road, Durham	AST, LUST	1989 thru 1996, & 1997	Jul-05	>2500 ft. from alignment	Multiple petroleum releases were apparently addressed and closed out. Subsequent 1997 incident is not identified as "closed," but there are no entries in searched databases since 2001.	None	The small building now on-site appears to be used as a restaurant. No evidence of former gasoline dispensers.	Low	No further actions.
5	2	Wilco #2 Durham (or known as Hussco #1)	2905 Hillsborough Road, Durham	LUST, PIRF	Apr-89 thru Nov-09	Not reported	>2500 ft. from alignment	Data suggests that there were multiple LUST incidents over the years (gasoline).	No site closure recorded for latter incident.	No issues noted during field walk.	Low	No further actions.
5	3	Greene Property	1007 Hale Street, Durham	IMD, PIRF	Dec-96	Dec-96	>2500 ft. from alignment	Home UST.	None	No issues noted during field walk.	Low	No further actions.
5	4	Durham Fire Station 2	1001 Ninth Street, Durham	LUST	Aug-93	Sep-94	>2500 ft. from alignment	Diesel release. Soils remediated, no GW contamination.	None	No issues noted during field walk.	Low	No further actions.
5	5	Dennis Equipment company	2833 Hillsborough Road, Durham	IMD, LUST, LUST TRUST	Apr-89 & Jan-90	Jun-96	>2000 ft. from alignment	Two separate incidents listed, "gasoline" and "petroleum".	None	No issues noted during field walk.	Low	No further actions.
5	5	Wallace Auto Electric Garage	2820 Hillsborough Road, Durham	IMD, LUST, PIRF	1998 (multiple dates)	Not reported	>2000 ft. from alignment	Last record was Aug 2002. Closure of this incident is incomplete in the electronic record.	None	No issues noted during field walk.	Low	No further actions.
5	6	Pantry #171 and Town & Country	412 LaSalle Street, Durham	IMD, LUST	Nov-95	Incident listed as closed, but no closure date	1000 ft. from alignment	UST gasoline and diesel releases.	Same address listed separately under two owners. Records under the second listing list the site as "closed out."	No issues noted during field walk.	Low	No further actions.
5	7	Merchant's Auto and Tire	2720 Hillsborough Road, Durham	IMD, LUST, RCRA SQG	Jan-92	Jun-92	1800 ft. from alignment	UST petroleum release.	Incident closed.	No issues noted during field walk.	Low	No further actions.
5	8	Johnson Property	909 Virgie Street, Durham	LAST	Sep-08	Oct-08	>2000 ft. from alignment	Diesel AST release, soil was removed.	None	No issues noted during field walk.	Low	No further actions.
5	9	High Tech Fabrication	2710 Edmund Street, Durham	RCRA Generator	None	None	1400 ft. from alignment	Listed as a user of chlorinated solvents in 1996. No releases or violations noted.	None	No issues noted during field walk.	Low	No further actions.

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5	10	Georgia Street GTE	Georgia Street, Durham	IMD, LUST	Apr-89	May-01	>4500 ft. from alignment (precise location not known per database, URS used 2565 Hillsborough Road for geolocation)	This listing could not be precisely located. There is a Georgia Ave., but no Georgia Street.	GTE discovered gasoline contamination in a storm sewer line.	No issues noted during field walk.	Low	No further actions.
5	11	Seven Eleven Store 1054	609 Trent Street, Durham	LUST, PIRF	Jun-06	Sep-08	1200 ft. from alignment	Cleanup to alternate standards accepted.	None	No issues noted during field walk.	Low	No further actions.
5	12	Exxon Durham	2508 Hillsborough Road, Durham	IMD	Apr-99	Sep-99	1400 ft. from alignment	Seven USTs removed. Contamination observed in pit.	Closure details for this incident is incomplete in the electronic record.	No issues noted during field walk.	Low	No further actions.
5	13	Bernard's Formal Wear	743 Ninth Street, Durham	RCRA SQG	None	None	1000 ft. from alignment	SQG with no record of release or violation.	None	No issues noted during field walk.	Low	No further actions.
5	13	Ninth Street Amoco	770 Ninth Street, Durham	LUST	Dec-93	Sep-94	1400 ft. from alignment	A more recent NOV was listed (2002).	There was no clear information that the 2002 NOV was for a new release, or for a non-release compliance condition.	No issues noted during field walk.	Low	No further actions.
5	13	Ninth Street Associates & Regulator Book Shop	720 Ninth Street, Durham	LUST, PIRF	Jul-95	Apr-98	850 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
5	13	Ninth Street Bakery	776 Ninth Street, Durham	IMD, LUST	Feb-97		1500 ft. from alignment	5000 and 900 gallon USTs removed.	Closure details for this incident is incomplete in the electronic record.	No issues noted during field walk.	Low	No further actions.
5	13	Three Historic Dry Cleaners	754, 756, 744 Ninth Street, Durham	Historic Dry Cleaners	None	None	1500 ft. from alignment	No information other than NC has flagged these addresses as the site of an historic dry cleaner.	None	No issues noted during field walk.	Low	No further actions.
5	13	Vin Rouge	2010 Hillsborough Road, Durham	LUST	Oct-12	Jan-13	1400 ft. from alignment	Minimal information in electronic record.	None	No issues noted during field walk.	Low	No further actions.
5	14	Erwin Square	2211 Hillsborough Road, Durham	Brownfields	Not reported	Not reported	1400 ft. from alignment	Appears to have been approved for re-development into high-density residential, with concurrence from Water Quality Division.	None	No issues noted during field walk.	Low	No further actions.
5	15	East Campus BP	801 Broad Street, Durham	LUST	Jul-00	Dec-00 & Apr-03	1700 ft. from alignment	Lengthy record involving many years. UST removals appeared to have occurred during more than one year.	None	No issues noted during field walk.	Low	No further actions.
5	15	Wheless Property	811 Broad Street, Durham	LUST	Nov-00	None	1800 ft. from alignment	Soil and GW contamination discovered during UST closure. No documentation in electronic record that closure levels were achieved.	The last note in the electronic record is May 2001.	No issues noted during field walk.	Low	No further actions.
5	16	Pattishall's Garage	1900 West Markham Avenue, Durham	LUST	Jan-96	None	1400 ft. from alignment	No closure date listed, but listed a Risk Category of "L" in April 1998. Contamination is <1000 ppm.	No additions to electronic record after 1998.	No issues noted during field walk.	Low	No further actions.

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5	17	Duke Medical Center Tank 6	2216 Elba Street, Durham	LUST	Jun-93	Jul-93	700 ft. from alignment	Soil levels below action limits.	None	No issues noted during field walk.	Low	No further actions.
5	18	Duke University Department of Psychiatry	2218 Elba Street, Durham	RCRA generator	Jun-99	NA	700 ft. from alignment	No issues noted in electronic record.	None	No issues noted during field walk.	Low	No further actions.
5	19	VA Hospital	508 Fulton Street, Durham	LUST, RCRA Generator	Oct-98	Multiple dates	500 ft. from alignment	Multiple USTs of various sizes removed, at least one "closure in place," and several thousand tons of soil removed. Also had a hydraulic leak in elevator.	None	No issues noted during field walk.	Med	No further actions.
5	21	Poplar Apartments	2723 Campus Walk Avenue, Durham	LUST	Jul-93	Feb-03	1600 ft. from alignment	Soil and GW contamination discovered during UST closure. Closed out after remediation.	None	No issues noted during field walk.	Low	No further actions.
5	22	Duke University Telecom Building	2210 Elba Street, Durham	LUST	Aug-99	Aug-99	450 ft. from alignment	Closed out incident the same month of discovery.	None	No issues noted during field walk.	Med	No further actions.
5	23	Broad Street Amoco Station	731 & 735 Broad Street, Durham	Historic Auto Station, LUST (recent)	May-09	Jul-09	1300 ft. from alignment	Closed out shortly after discovery.	None	No issues noted during field walk.	Low	No further actions.
5	23	Duke University Dance Festival	715 Broad Street, Durham	LUST	May-08	Feb-11	1000 ft. from alignment	1127 gallon UST removed.	Met "soil to groundwater" standards.	No issues noted during field walk.	Low	No further actions.
5	24	Durham Dry Cleaning	2526 Erwin Road, Durham	RCRA Generator	NA	NA	<200 ft. from alignment	The NC Dry Cleaning Solvent Cleanup Program indicates this site was in assessment as of Aug 2013.	No operational (RCRA) violations. Business start date of 2008. No indication if there was a prior dry cleaner or other business at this address in years past.	No issues noted during field walk.	High	Recommend full Phase I ESA.
5	24	Erwin Road Pure Oil, Couch Oil, Williams Unocal	2500 Erwin Road, Durham	Historic Auto Station, LUST	Oct-91 & May-98	Aug-13	<200 ft. from alignment	Very recent closeout date suggests DENR required the responsible party to continue remediation for more than 20 years.	None	No issues noted during field walk.	Med	No further actions.
5	24	Kelsie Compton Metro Express	2501 Erwin Road, Durham	LUST	Oct-91	Not reported	<200 ft. from alignment	The electronic file ends in 1991. The closure status is not included.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
5	25	Durham Auto Body (Durham Auto Service)	722 Iredell Street, Durham	RCRA Generator	Dec-88	Not reported	1200 ft. from alignment	5 tanks removed in 1988. Records appeared to indicate lacquer thinner. Unclear if AST or UST.	None	No issues noted during field walk.	Low	No further actions.
5	25	Melton's Service Center	719 Iredell Street, Durham	Historic Auto Station	NA	NA	1100 ft. from alignment	No incident reported.	None	No issues noted during field walk.	Low	No further actions.
5	26	Brownstone Hotel (former)	2424 Erwin Road, Durham	LUST	Jun-02	Sep-05	<200 ft. from alignment	One 2000 gallon heating oil tank was removed along with 76 tons of contaminated soil.	None	No issues noted during field walk.	Med	No further actions.

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5	26	Exxon 4-4015	2437 Erwin Road, Durham	Historic Auto Station, LUST	Apr-90	Owner requested low priority Feb-13, decision pending	<200 ft. from alignment	Groundwater contamination reported. No closure date. Incomplete information subsequent to initial database entries.	Six USTs closed in 1986, new tanks listed as installed by 1993.	No issues noted during field walk.	High	Recommend full Phase I ESA.
5	27	Coble Chapel/Methodist Retire	2616 Erwin Road, Durham	LUST	Nov-98	Feb-02	<200 ft. from alignment	USTs removed, contaminated soil removed.	This site does not match what is at this address. A large-scale medical center is currently at this location. A search did not find evidence that this operation re-located to anywhere else in the metro area, using the same name(s).	No issues noted during field walk.	Med	No further actions.
5	27	Phillips 66	2810 Erwin Road, Durham	UST	Dec-88	Dec-88	<200 ft. from alignment	4 USTs removed.	These UST removals were prior to implementation of the UST regulations. Consequently, there is minimal documentation of soil removal or residual contamination.	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
5	28	Burlington Industries (former)	West Main Street, Durham	LUST, SHWS	Aug-88, Jan-99, & 2000	Apr-99	350 ft. from alignment (precision location not known per database, URS used 735 West Main Street for geolocation)	A UST incident with soil contamination was closed out. A second incident of solvent discovery from historic operations is documented through the approval of a CAP in 2000. Details subsequent to that were not found.	None	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
5	30	Erwin Terrace	931 Lambeth Circle, Durham	LUST	Jan-03	2003	250 ft. from alignment	Discovery of historic USTs during construction. Listed in two separate incidents.	Soil remediation performed during construction.	No issues noted during field walk.	Med	No further actions.
5	31	Erwin Road 66 Service Station	2710 Erwin Road, Durham	Historic Auto Station	NA	NA	<200 ft. from alignment	This site ceased operations prior to the UST regulations. Consequently, there is minimal documentation of soil removal or residual contamination.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
5	36	Duke University and Medical Center	No single address (a large campus)	UST	Multiple dates	Multiple dates	Abuts alignment (some developed areas of campus such as hospital/medical center) (URS used 2301 Erwin Road, Durham for geolocation)	22 USTs have been removed and 13 remain in service at various locations around campus and the medical center.	Any contaminated soils were removed with the tanks removed. No indication in the record of continuing groundwater impacts.	No issues noted during field walk.	Med	No further actions.

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5	39	Adams Products	106 North LaSalle Street, Durham	UST	Dec-88	Dec-88	>3000 ft. from alignment	1 UST removed.	This UST removal was prior to implementation of the UST regulations. Consequently, there is minimal documentation of soil removal or residual contamination.	No issues noted during field walk.	Low	Verify closure or site status from NCDENR.
5	40	Burlington Industries (former)	2100 West Main Street, Durham	RCRA Generator	NA	NA	<200 ft. from alignment	No incident reported.	Site was redeveloped many years ago.	No issues noted during field walk.	Low	No further actions.
5	41	Duke Eye Center	2216-D Elder Street, Durham (also listed as Erwin Road & Duke Medical Circle)	UST	Sep-92	Jul-03	700 ft. from alignment	Tank removed with no indication of contamination.	None	No issues noted during field walk.	Low	No further actions.
5	43	Clean Flo Laundromat	633 Broad Street, Durham	Historic Dry Cleaners	None	None	300 ft. from alignment	No information other than NC has flagged this address as the site of an historic dry cleaner.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
5	43	Lloyds 66	1802 West Main Street, Durham	LUST	Nov-90	None	250 ft. from alignment	640 gallon gasoline/diesel recovered.	Assigned low priority by DENR, but still in final stages of remediation.	No issues noted during field walk.	High	Recommend full Phase I ESA.
5	43	NCDSCA (White Star Laundry)	637 Broad Street, Durham	Dry Cleaner, RCRA Generator	NA	NA	300 ft. from alignment	NC Dry-Cleaning Solvent Clean-Up Program lists this site as still in assessment as of Aug 2013.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
5	44	Burlington Industries Durham Plant	Corner of Ninth & West Street, Durham	UST	Dec-98	Dec-98	>500 ft. from alignment (URS used 703 Ninth Street for geolocation)	Oil tank removed. It is possible that West Street was destroyed during re-development just west of 9th street in recent times.	Minimal information about contamination. This was a single oil tank (no gasoline indicated).	No issues noted during field walk.	Med	No further actions.
5	45	West Durham BP 450 (prior owner is MM Power, Inc.)	1922 West Main Street, Durham	LUST	1993 & 2003	Not reported	200 ft. from alignment	5 USTs removed in 1993 and 2003. Newer tanks still in service.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
5	46	Cancer Center	2216 Elder Street, Durham	UST	NA	NA	700 ft. from alignment	Tank still in service.	None	No issues noted during field walk.	Low	No further actions.
5	47	1601 03 Esso Mart	1601 Erwin Road, Durham	Historic Auto Station	NA	NA	200 ft. from alignment	This site ceased operations prior to the UST regulations.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
5	47	Erwin Road Amoco	1615 Erwin Road, Durham	Historic Auto Station	NA	NA	<200 ft. from alignment	This site ceased operations prior to the UST regulations.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
5	47	Sam's Quik Shop (currently branded as Exxon)	1605 Erwin Road, Durham	UST	May-94	Aug-94	<200 ft. from alignment	4 USTs were removed, soil and GW contaminated. Incident closed 5 months later indicative of satisfactory remediation.	None	No issues noted during field walk.	Med	No further actions.
5	52	ALS Auto Repair	607 Broad Street, Durham	Historic Auto Station	NA	NA	200 ft. from alignment	This site ceased operations prior to the UST regulations.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
5	53	Lennox Baker Hospital	3000 Erwin Road, Durham	LUST	Nov-89	Mar-99	<200 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.

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5	58	Duke Bryan Center	Science Drive, Duke University, Durham	LUST	NA	NA	>2000 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
5	Orphan	Sam's Club #4831	4005 Durham-Chapel Hill Blvd, Durham	RCRA Generator, PA MANIFEST, UST	NA	NA	450 ft. from alignment	Facility classified as SQG. No violations or incidents reported.	None	No issues noted during field walk.	Med	No further actions.
5	Orphan	Services Complex - Surface Parking	500 East Main Street, Durham	LUST	Multiple dates	Mar-13	500 ft. from alignment	Contamination discovered during construction; soil removed.	None	No issues noted during field walk.	Med	No further actions.
6	20	Hannelore Rogers Property	1022 & 1024 West Trinity Avenue, Durham	LUST	Aug-10	Dec-10	1600 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	20	Mary Phillips Property	804 Onslow Street, Durham	LUST	May-09	May-08	>2000 ft. from alignment	71 tons of diesel-impacted soil removed.	None	No issues noted during field walk.	Low	No further actions.
6	29	Robbins Residence	711 Watts Street, Durham	LAST	Jan-11	Jan-13	>2000 ft. from alignment	2 ASTs removed.	None	No issues noted during field walk.	Low	No further actions.
6	38	Dorton Residence	512 North Buchanan Street, Durham	LUST	May-94	May-96	1700 ft. from alignment	Tank and soil removed.	None	No issues noted during field walk.	Low	No further actions.
6	42	Bondy Property	1003 Monmouth Avenue, Durham	LAST	May-09	Sep-09	>2000 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	42	Bromberg-Seltzer	1006 Monmouth Avenue, Durham	LUST	Jun-02	Jul-03	>2000 ft. from alignment	Priority listed by Agency as low.	None	No issues noted during field walk.	Low	No further actions.
6	42	Quinn Residence	1004 Monmouth Avenue, Durham	LUST	Jul-09	Incident listed as closed, but no closure date	>2000 ft. from alignment	Closure date not recorded, but priority listed as low.	None	No issues noted during field walk.	Low	No further actions.
6	42	Umstead Residence	1020 Monmouth Avenue, Durham	LUST	Mar-98	Mar-98	1900 ft. from alignment	Priority listed by Agency as low.	None	No issues noted during field walk.	Low	No further actions.
6	50	Whitefield Property	1010 Trinity Avenue, Durham	LUST	May-03	Jan-04	1800 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	51	Rhine Research Center	402 North Buchanan Street, Durham	LUST	Sep-02	NA	1200 ft. from alignment	Could not locate Rhine Research Center at address listed. Listed address appears to be a single family house. Current location of Rhine Research Center is >1000 ft. NW of the alignment.	Database record lists this site as low risk.	No issues noted during field walk.	Low	No further actions.
6	55	Minerva Condos	1021 Minerva Avenue, Durham	LUST	Dec-05	Aug-06	1200 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	55	Patricia Silver Estate	1014 Minerva Avenue, Durham	LUST	Feb-13	Mar-13	1500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	59	Erwin Oil Bulk Plant	701 Washington Street, Durham	LAST, LUST	Nov-98 & Aug-10	Not reported	>2500 ft. from alignment	Several incidents over multiple years since 1998.	No record of closure. Listed as low priority in 1998.	No issues noted during field walk.	Low	No further actions.
6	59	Harris Oil	703 Washington Street, Durham	LUST	Jul-93	Dec-94	>2500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	60	Hall Property	303 Watts Street, Durham	LUST	Oct-07	Sep-08	950 ft. from alignment	83 tons of contaminated soils removed.	None	No issues noted during field walk.	Low	No further actions.
6	61	Ann Richards Property	1012 Gloria Avenue, Durham	LUST	Jan-10	May-10	1300 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	61	Davis Property	1011 Gloria Avenue, Durham	LUST	Apr-11	May-11	1300 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	61	Peter Principe Property	1001 Gloria Avenue, Durham	LUST	Feb-05	Jul-06	1500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.

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6	61	Winner & Postema Property	1005 Gloria Avenue, Durham	LUST	Jan-12	Apr-12	1400 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	62	Parks and Recreation (also Maintenance)	501 Washington Street, Durham	LUST	Jul-98	Feb-02	>2000 ft. from alignment	64 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
6	63	Brame Office Products	619 Foster Street, Durham	LUST	Mar-92	Apr-13	>2500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	63	Fletchers Gulf	624 Foster Street, Durham	LUST	Nov-09 & Feb-10	Mar-10	>2500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	63	Nu-Tread Tire company	601-605 Foster Street, Durham	LUST	Oct-89 & Sep-05	Feb-05	>2000 ft. from alignment	Two incidents in different years. The second incident is not closed out.	None	No issues noted during field walk.	Low	No further actions.
6	66	USPS Rigsby	715 Rigsby Street, Durham	LUST	May-92 & May-01	May-01	>2500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	68	Duke University	117 South Buchanan Blvd, Durham	LUST	Installed 1983	Apr-91	200 ft. from alignment	This is remote from the main campus (described in separate entry).	None	No issues noted during field walk.	Med	No further actions.
6	68	Durham City Main (formerly Durham Schools Maintenance)	923 Maxwell Avenue, Durham	LUST	Apr-91	Jul-06	300 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
6	68	Liggett GRP (Smith Storage)	114 South Buchanan Blvd, Durham	LAST	1990 & 1994	Dec-98	200 ft. from alignment	Two incidents in different years. Both closed out. Also land disposal restriction (LDR) violations in the 90's. This is for wastes manifested for off-site disposal; however, there is no indication that this is relevant to any 114 South Buchanan land contamination.	None	No issues noted during field walk.	Med	No further actions.
6	69	Brame Specialty Co. - Main Street	1110 West Main Street, Durham	LUST	Jan-91	May-98 & June-06	600 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	69	Claude May	1101 West Main Street, Durham	LUST	Jul-95	Apr-98, assigned "Low" status, but not listed as closed	300 ft. from alignment	Lack of more recent information suggests this incident may be closed.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
6	70	Nu-Tread Tire Company	545 Foster Street, Durham	Brownfields, LUST	May-06	Feb-07	>2000 ft. from alignment	An earlier incident in the '90s was apparently re-visited. The site has recently been assigned "incident closed" status.	This is near the rail siding between downtown and a historic industrial district.	No issues noted during field walk.	Low	No further actions.
6	71	John Williams Investment Co.	213 Broad Street, Durham	LUST	Oct-93	Oct-00	450 ft. from alignment	Listed as closed.	This is near the rail siding between downtown and a historic industrial district.	No issues noted during field walk.	Med	No further actions.
6	71	Plumbing Supply Warehouse (former)	213 Broad Street, Durham	UST	Oct-93	Jul-96	550 ft. from alignment	Minor soil contamination addressed during UST removal.	This is near the rail siding between downtown and a historic industrial district.	No issues noted during field walk.	Low	No further actions.
6	72	Clear-Vue Glass / Jazabelle's	815-822 Morgan Street & 121 Gregson Street, Durham	LUST	Feb-98 & Jan-90	Mar-99	800 ft. from alignment	Listed as closed.	This is near the rail siding between downtown and a historic industrial district.	No issues noted during field walk.	Low	No further actions.



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6	72	Eakes Cleaners	827 West Morgan Street, Durham	Historic Dry Cleaners	Aug-10	Not reported	800 ft. from alignment	Listed as having a release of chlorinated solvents.	No closure date. Incomplete information subsequent to initial database entries.	This is near the rail siding between downtown and a historic industrial district.	Low	No further actions.
6	72	Historic Auto Station (two historic names)	820 West Morgan Street, Durham	Historic Auto Station	None	None	850 ft. from alignment	None	None	This is near the rail siding between downtown and a historic industrial district.	Low	No further actions.
6	72	Main Street Garage	906 West Main Street, Durham	Historic Auto Station	None	None	500 ft. from alignment	None	None	This is near the rail siding between downtown and a historic industrial district.	Med	No further actions.
6	72	MCE Co, Inc. & Durham Dry Cleaners and Laundry	113 South Gregson Street, Durham	Historic Dry Cleaners, RCRA Generator	Jan-97	Feb-97	200 ft. from alignment	This is near the rail siding between downtown and a historic industrial district. Hazardous materials were possibly loaded/unladed for many decades at this siding. However, closure was assigned by DENR based on the more recent investigations.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
6	73	Top's Texaco, Trinity Park Family Fare, Brame Specialty	1016 West Main Street, Durham	LUST	Multiple dates	Aug-98 & Oct-09	>500 ft. from alignment	Multiple listings, but final closeout is dated Oct 09. Earlier LUST incident received NFA status in Aug 98.	This is near the rail siding between downtown and a historic industrial district. Hazardous materials were possibly loaded/unladed for many decades at this siding. However, closure was assigned by DENR based on the more recent investigations.	No issues noted during field walk.	Med	No further actions.
6	74	City of Durham	727 North Mangum Street, Durham	Brownfields	None	None	>3000 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
6	74	DCM & City of Durham	103 & 109 Broadway Street, Durham	Brownfields	Not reported	Not reported	>2500 ft. from alignment	Minimal information in electronic record. Geo-location per Google Maps is well to the north of the alignment.	None	Undeveloped lot (mowed grass and several mature trees).	Low	No further actions.
6	74	Equipment Maintenance, Inc.	120 Broadway Street, Durham	LUST	May-96	Oct-00	>2500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	74	Kelly's Detail Shop	701 Mangum Street, Durham	LUST	Mar-95	Sep-04	>2500 ft. from alignment	Multiple listings, final close-out was September 2004.	None	No issues noted during field walk.	Low	No further actions.
6	75	Southern Repair Service Property	913 Rome Avenue, Durham	LAST	May-12	Aug-12	500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
6	76	Former Tire King	500 & 502 Rigsbee Avenue, Durham	LAST, LUST	Jan-11	Feb-11	2000 ft. from alignment	LUST risk classified as "low" as of Nov 2010.	No risk or closure data noted for the LAST incident.	No issues noted during field walk.	Low	No further actions.
6	77	Former Tire King	421 Foster Street, Durham	LUST	Jul-98	Dec-98	1500 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
6	79	DCM	106 Hunt Street, Durham	Brownfields	Not reported	Not reported	>2000 ft. from alignment	Nearly half a mile north of the alignment. Topography slopes away from the alignment.	None	No issues noted during field walk.	Low	No further actions.

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6	79	DCM	601 North Mangum Street, Durham	Brownfields	Not reported	Not reported	>2000 ft. from alignment	Nearly half a mile north of the alignment. Topography slopes away from the alignment.	None	No issues noted during field walk.	Low	No further actions.
6	79	DCM	605 North Mangum Street, Durham	Brownfields	Not reported	Not reported	>2000 ft. from alignment	Nearly half a mile north of the alignment. Topography slopes away from the alignment.	None	No issues noted during field walk.	Low	No further actions.
6	79	DCM	607 North Mangum Street, Durham	Brownfields	Not reported	Not reported	>2000 ft. from alignment	Low risk based on topography and/or distance.	None	No issues noted during field walk.	Low	No further actions.
6	79	DCM	603 North Mangum Street, Durham	Brownfields	Not reported	Not reported	>2000 ft. from alignment	Low risk based on topography and/or distance.	None	No issues noted during field walk.	Low	No further actions.
6	79	Martin Property	600 North Mangum Street, Durham	LUST	Oct-88	Mar-99	>2000 ft. from alignment	Low risk based on topography and/or distance.	None	No issues noted during field walk.	Low	No further actions.
6	80	Brightleaf Square	800 West Main Street, Durham	SHWS	Jul-95	Not reported	300 ft. from alignment	GW contamination noted in record, but no closure date.	Based on the most recent entry, no further activity documented since 2000.	No issues noted during field walk.	High	Recommend full Phase I ESA.
6	80	Foreign Accents	111 North Duke Street, Durham	RCRA Generator	Nov-93	NA	500 ft. from alignment	No other records since notification as RCRA generator.	No releases or violations noted.	No issues noted during field walk.	Low	No further actions.
6	82	Transportation Services, Duke University Transit (later Duke University "surplus bldg.")	712 Wilkerson Avenue, Durham	IMD, UIC	Jan-94	Not reported	<200 ft. from alignment	UST releases and removal/closure of several USTs. Priority changed to low in 1998. However, no closure of the incident recorded.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
6	83	Arthur West Lemons	611 Wilkerson Avenue, Durham	Historic Auto Station	NA	NA	200 ft. from alignment	No investigation listed for this property (not required at the time the auto repair activities ceased operation).	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
6	84	Durham Laundry	Gregson & Peabody Street, Durham	LUST	Jan-90	Mar-99	200 ft. from alignment (URS used 113 South Gregson Street for geolocation)	GW contamination listed as reaching bedrock.	Listed as closed.	No issues noted during field walk.	Med	No further actions.
6	85	Boron Biological, Inspire Pharmaceuticals, Carolina Ecotox. Vector Tobacco Research, Sarco, Inc., Universal Organics, Molecular Technologies Management Assoc., and Enzyme Technology Research GRP	710 West Main Street, Durham	RCRA Generator	None	None	400 ft. from alignment	RCRA HW generators with no record of releases.	Last entry in the record was 1998.	No issues noted during field walk.	Low	No further actions.
6	85	Liggett Group Inc. New Cigarette Factory	700 West Main Street, Durham	RCRA Generator, SHWS, UST	None	None	450 ft. from alignment	Removed 10 USTs from 1981 to 1998.	RCRA generator from 1995 to 2003. No releases or violations noted.	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
6	86	Imperial Investment Company	215 Morris Street, Durham	LUST	Aug-04	Nov-00	1100 ft. from alignment	Removed 4 USTs.	None	No issues noted during field walk.	Low	No further actions.

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6	87	Liggett Group Inc. Cobb Building	710 West Main Street, Durham	RCRA Generator, SHWS, UST	None	None	400 ft. from alignment	RCRA HW generators with no record of releases.	RCRA Generator 1995 to 2003. Use of PERC noted in record.	No issues noted during field walk.	Med	No further actions.
6	87	West Village, Blue Devil Ventures	600 West Morgan Street, Durham	LUST	May-00	Jun-00	750 ft. from alignment	Soil contamination at low levels (<50 ppm).	None	No issues noted during field walk.	Low	No further actions.
6	88	Durham Centre	300 West Morgan Street, Durham	UST	Installed 1988	Not reported	1000 ft. from alignment	Low risk based on topography and/or distance.	None	No issues noted during field walk.	Low	No further actions.
6	88	Durham Civic Center	319 West Morgan Street, Durham	LUST	Dec-87	Not reported	1000 ft. from alignment	Removed contaminated soils prior to construction of new Civic Center.	None	No issues noted during field walk.	Low	No further actions.
6	88	Firestone (former)	Morgan & Foster Street, Durham	UST	Installed 1971	Not reported	1000 ft. from alignment	Low risk based on topography and/or distance.	None	No issues noted during field walk.	Low	No further actions.
6	88	Peoples Security (former site of a Firestone Tire/Auto Repair)	300 West Morgan Street, Durham	LUST	Jul-90	Apr-91	1000 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	89	Elkins Chrysler-Plymouth	125 East-West Expressway, Durham	RCRA Generator, UST	Tanks closed in 1989 & 2002	Jul-02	250 ft. from alignment	No record in database of any releases. Tanks may have been closed as a risk management strategy.	None	No issues noted during field walk.	Med	No further actions.
6	89	Hall Wynne Funeral Home	1113 West Main Street, Durham	LUST	Jun-09	Jul-09	350 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
6	89	Liggett Meyers	Ferway & Morgan Street, Durham	LUST	Jun-92	Aug-98 & Oct-06	450 ft. from alignment (precise location not known per database, URS used 710 West Main Street for geolocation)	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
6	89	Wall Property (historical gas station)	506 North Mangum Street, Durham	LUST	Jan-06	Nov-08	1900 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	90	Just Tires, Goodyear Morgan Street, Goodyear, ASC	204 West Morgan Street, Durham	LUST, RCRA Generator	Aug-93 & Oct-93	Dec-94	1400 ft. from alignment	Gasoline, diesel, and used oil releases addressed before closeout.	None	No issues noted during field walk.	Low	No further actions.
6	90	Obriant and Matthews, Farrow, and McGill Auto Repairs	312, 315 & 317 Rigsby Avenue, Durham	Historic Auto Repair	NA	NA	1800 ft. from alignment	Low risk based on topography and/or distance.	None	No issues noted during field walk.	Low	No further actions.
6	91	Liggett Group	601 West Main Street, Durham	RCRA Generator	NA	NA	400 ft. from alignment	Conditionally Exempt Small Quantity Generator.	None	No issues noted during field walk.	Low	No further actions.
6	93	Maura Dillon Property	604 Gattis Street, Durham	LAST	Nov-08	Dec-08	1800 ft. from alignment	Low risk based on topography and/or distance.	None	No issues noted during field walk.	Low	No further actions.
6	94	City of Durham	102 Morris Street, Durham	Brownfields	NA	NA	450 ft. from alignment	Minimal information in electronic record.	None	No issues noted during field walk.	Med	No further actions.
6	94	Clark & Sorrell	323 Foster Street, Durham	Historic Auto Repair, LUST, RCRA Generator	Multiple USTs removed Dec-88 thru Sep-98	Aug-00	1400 ft. from alignment	Low risk based on topography and/or distance.	None	No issues noted during field walk.	Low	No further actions.
6	94	Durham Arts Council	120 Morris Street, Durham	RCRA Generator	Jul-12	Not reported	650 ft. from alignment	Low risk based on no indication of an incident.	None	No issues noted during field walk.	Low	No further actions.
6	95	Model Laundry	217 Foster Street, Durham	Historic Dry Cleaners	NA	NA	800 ft. from alignment	Minimal information in electronic record.	None	No issues noted during field walk.	Low	No further actions.
6	97	WDNC Transmitter Site	138 West Chapel Hill Street, Durham	LUST	Jun-93	Oct-96	300 ft. from alignment	None	None	No issues noted during field walk.	Med	No further actions.

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6	98	Durham County Emergency Management	314 North Mangum Street, Durham	IMD	NA	NA	850 ft. from alignment	No record of releases.	None	No issues noted during field walk.	Low	No further actions.
6	98	King HC Service Station (former)	101 & 103 Rigsbee Avenue, Durham	Historic Auto Station	NA	NA	1100 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
6	98	Pathfinder Pharmaceuticals	413 East Chapel Hill Street, Durham	RCRA Generator	NA	NA	1100 ft. from alignment	No violations noted.	None	No issues noted during field walk.	Low	No further actions.
6	99	Flintom Services Inc. (current owner listed as TTA)	404 West Chapel Hill Street, Durham	LUST	Mar-95	Not reported	<200 ft. from alignment	Multiple UST removals.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
6	101	Durham Police Dept. HDQRs	505 West Chapel Hill Street, Durham	IMD	Dec-05	Jan-06	400 ft. from alignment	No record of releases.	None	No issues noted during field walk.	Low	No further actions.
6	101	Oil Spill Chapel Hill Street	505 West Chapel Hill Street, Durham	PIRF	Jan-13	Jan-13	400 ft. from alignment	Oil spill in parking lot (citizen was changing oil in auto).	Adjacent to police station. This small release was noted and arrest was made.	No issues noted during field walk.	Low	No further actions.
6	102	Baileys 66 and Chapel Hill Street Imports Repair	617 West Chapel Hill Street, Durham	LUST	Feb-93	Nov-04	700 ft. from alignment	Multiple USTs removed.	None	No issues noted during field walk.	Low	No further actions.
6	102	Becks' Laundry	602 Vickers Avenue, Durham	Historic Dry Cleaners	NA	NA	>2500 ft. from alignment	Minimal information in electronic record.	None	No issues noted during field walk.	Low	No further actions.
6	102	Sunshine Market & also Spransys Amoco	601 West Chapel Hill Street, Durham	Historic Auto Station, LUST	Jul-94	Dec-01	600 ft. from alignment	Contamination found from removal of multiple USTs.	None	No issues noted during field walk.	Low	No further actions.
6	104	Church of Immaculate Conception	810 West Chapel Hill Street, Durham	LUST	Sep-94	Dec-01	1100 ft. from alignment	Listed as a Risk Category of "L" in April 1998.	None	No issues noted during field walk.	Low	No further actions.
6	104	Near Post Office (incomplete name)	323 East Chapel Hill Street, Durham	Historic Dry Cleaners	NA	NA	1000 ft. from alignment	Low risk based on topography and/or distance.	None	No issues noted during field walk.	Low	No further actions.
6	104	Pollards Exxon (former)	906 West Chapel Hill Street, Durham	IMD	Mar-90	Aug-90	1400 ft. from alignment	4 record tanks, gasoline & diesel. Not clear from electronic record whether these were removed.	A 2003 release also occurred with no GW impact. Appeared to be from replacement tank, presumably installed to 1988 standards.	No issues noted during field walk.	Low	No further actions.
6	105	Burtons Auto Clinic	1105 West Chapel Hill Street, Durham	LAST	Jul-86	Jul-86	1700 ft. from alignment	No GW contamination detected.	None	No issues noted during field walk.	Low	No further actions.
6	105	University Market	1108 West Chapel Hill Street, Durham	LUST	Jun-11	Jul-11	1600 ft. from alignment	Five old USTs replaced with 3 new ones.	None	No issues noted during field walk.	Low	No further actions.
6	105	West Chapel Hill Street BP	1118 West Chapel Hill Street, Durham	LUST	Feb-13	Not reported	1700 ft. from alignment	Several USTs removed. 8300 gallons of contaminated water removed. 296 tons of soil removed.	Closure of incident not recorded.	No issues noted during field walk.	Low	No further actions.
6	106	111 Liberty Street (no owner listed)	111 Liberty Street, Durham	LUST	Feb-02	Apr-02	>3500 ft. from alignment	550 gallon heating oil tank removed.	None	No issues noted during field walk.	Low	No further actions.
6	106	139 E. Morgan Street	139 East Morgan Street, Durham	Historic Auto Station	Feb-93	Dec-01	1300 ft. from alignment	This location is in a different watershed than the alignment.	None	No issues noted during field walk.	Low	No further actions.
6	106	400 Cleveland Street (no source identified)	400 Cleveland Street, Durham	LAST	Feb-93	Dec-01	1200 ft. from alignment	10 ppb TCE detected in groundwater.	This location is in a different watershed than the alignment.	No issues noted during field walk.	Low	No further actions.
6	106	First Baptist Church	414 Cleveland Street, Durham	LUST	Sep-92	Dec-08	1500 ft. from alignment	This location is in a different watershed than the alignment.	None	No issues noted during field walk.	Low	No further actions.

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6	106	Nellow Teer Corp	211 West Parrish Street, Durham	RCRA Generator	NA	NA	550 ft. from alignment	No violations and no indications of releases. Listed for flammable solvent use, but no chlorinated solvent use indicated.	Last listing was for 1987.	No issues noted during field walk.	Low	No further actions.
6	106	New Method Dry Cleaners	207 Holloway Street, Durham	Historic Dry Cleaners	Feb-93	Dec-01	1200 ft. from alignment	This location is in a different watershed than the alignment.	None	No issues noted during field walk.	Low	No further actions.
6	108	Durham Morning Herald Newspaper (former location)	115 Market Street, Durham	RCRA Generator	NA	NA	550 ft. from alignment	No violations and no indications of releases. Listed for flammable solvent use, but no chlorinated solvent use indicated. Operation moved more than 10 years ago.	None	No issues noted during field walk.	Low	No further actions.
6	109	NC Mutual Life Insurance Company	411 West Chapel Hill Street, Durham	LUST	Jan-07	Feb-07	300 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
6	111	Durham City Hall	104 City Plaza, Durham	LUST	Mar-91	Sep-91	1100 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
6	112	Merchants Tire and Auto	317 Pettigrew Street, Durham	LUST, RCRA Generator	Jan-02	Jun-03	<200 ft. from alignment	Second of two LUST incidents occurred in 2002.	No RCRA violations listed. Listed in 1996 as having used chlorinated and non-chlorinated solvents.	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
6	113	Historic Durham Coal Gas Plant	708 Gilbert Street, Durham	Coal Gas Plant	Feb-93	Dec-01	>2500 ft. from alignment	This location is in a different watershed than the alignment. In 1992, a preliminary assessment classified this as low priority.	None	No issues noted during field walk.	Low	No further actions.
6	114	Mechanics and Farmers Bank	116 West Parrish Street, Durham	LUST	Jul-10	Not closed	>500 ft. from alignment	None	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
6	114	Webster's Cleaners	112 West Parrish Street, Durham	Historic Dry Cleaners	NA	NA	>500 ft. from alignment	None	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
6	115	Obriant's Sinclair	300 Holloway Street, Durham	Historic Auto Station	NA	NA	1200 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
6	116	Durham Transportation Center	500 Willard Street, Durham	LUST	Feb-05	Not closed	250 ft. from alignment	None	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
6	119	Almega Property Management	102 East Main Street, Durham	LUST	Feb-90	Not reported	350 ft. from alignment	Petroleum release to sewer.	Cleanup noted within 3 days. Listed as no GW impact. Priority noted as "low".	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
6	119	NC Dept. of Corrections	112 West Main Street, Durham	RCRA Generator	NA	NA	350 ft. from alignment	No record of releases.	None	No issues noted during field walk.	Low	No further actions.
6	120	American Tobacco	Blackwell & Pettigrew Street, Durham	LAST	Jul-05	Not reported	250 ft. from alignment	Groundwater contamination reported.	No closure date recorded.	No issues noted during field walk.	High	Recommend full Phase I ESA.
6	120	American Tobacco - Old Bull	300 Blackwell Street, Durham	RCRA Generator	Apr-08	Jul-05	250 ft. from alignment	RCRA Generator. Waste codes not known. No compliance violations in the record.	None	No issues noted during field walk.	Low	No further actions.
6	120	Concoran Parking Garage	212 Corcoran Street, Durham	LUST	Dec-93	Jun-05	>500 ft. from alignment	Minor soil contamination during UST removal.	None	No issues noted during field walk.	Med	No further actions.

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6	120	Former Durham Public Service Co.	309 Blackwell Street, Durham	SHWS	NA	NA	300 ft. from alignment	Minimal information in electronic record.	None	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
6	120	SIPCO, Inc. (or known as Mapelli Brothers)	205 Blackwell Street, Durham	UST	Oct-91	Jun-02	<200 ft. from alignment	Upon UST removal, gasoline contamination encountered. Impact to GW.	Listed as closed.	No issues noted during field walk.	Med	No further actions.
6	123	Judicial Building	201 East Main Street, Durham	LUST	Aug-05	Dec-06	400 ft. from alignment	Removal of a 2000 gallon heating oil UST. Previously removed a 10000 gallon UST at the old Courthouse across the street in 1989 (200 East Main).	None	No issues noted during field walk.	Med	No further actions.
6	124	N. Ramseur and South Mangum	North Ramseur & South Mangum Street, Durham	ERNS	Jun-04	Jun-04	<200 ft. from alignment (precise location not known per database, URS used 162 Ramseur Street for geolocation)	Vandals trespassing on Norfolk-Southern property released 15 gallons of kerosene. Fire Department cleaned it up same day.	None	No issues noted during field walk.	Med	No further actions.
6	81 & 87	Liggett GRP Inc. Garage, later Blue Devil Ventures	604 & 605 Morgan Street, Durham	LUST, RCRA Generator	Not reported	Nov-00	800 ft. from alignment	No releases or violations noted relative to the RCRA listing of 2003.	None	No issues noted during field walk.	Low	No further actions.
6	92 & 100	Proposed Elliot Square Apartments	304, 305, 307 Elliot Street; 310 Mallard Avenue; & 601, 603 North Queen Street, Durham	Brownfields	NA	NA	2000 ft. from alignment	Non-specific note in the database indicate "clean-up required".	None	No issues noted during field walk.	Low	No further actions.
6	Orphan	West Village	604 Morgan Street, Durham	LUST	Oct-99	Nov-00	800 ft. from alignment	940 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
7	118	Honeywell, Inc.	921 Holloway Street, Durham	LAST, SHWS	Aug-97	Not reported	>3500 ft. from alignment	There were two plumes reported on-site, a "northern plume" and a "southern plume".	This address does not geolocate near the alignment. Risk is further minimized, based on topography.	No issues noted during field walk.	Low	No further actions.
7	122	Model Laundry	1001 Holloway Street, Durham	Historic Dry Cleaners, LAST	Apr-99	Not reported	>4000 ft. from alignment	This address does not geolocate near the alignment.	None	There is a small block building at 1005 Holloway with bars on the windows and doors. Appeared inactive. This may have been the former dry cleaners, but the address is not 1001 Holloway Street.	Low	No further actions.
8	NA	All entries "Orphans". Ruled out that any are near the study area.	NA	NA	NA	NA	NA	NA	NA	NA	NA	No further actions.
9	150	John Clayton Property	2708 Evans Street, Durham	LUST	Dec-12	Not reported	1200 ft. from alignment, west of 15-501	550 gallon heating oil tank removed.	Evidence of release detected.	No issues noted during field walk.	Low	No further actions.
9	152	Edmond Kanoy Property	1315 Welcome Circle, Durham	LUST	Apr-06	Aug-06	1700 ft. from alignment, west of 15-501	550 gallon heating oil tank removed.	294 tons of soil removed.	No issues noted during field walk.	Low	No further actions.
9	152	Randy Bock Residence	1334 Welcome Circle, Durham	LUST	Jan-07	Not reported	1800 ft. from alignment, west of 15-501	Residential UST leak.	None	No issues noted during field walk.	Low	No further actions.
9	159	Richard Igou Property	1334 Welcome Circle, Durham	LUST	Dec-11	Jan-12	1800 ft. from alignment, west of 15-501	Residential UST leak.	None	No issues noted during field walk.	Low	No further actions.

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9	166	Mary Marcum Property	3504 Eastis Drive, Durham	LUST	Sep-06	Sep-06	1300 ft. from alignment, west of 15-501	Residential UST leak.	None	No issues noted during field walk.	Low	No further actions.
9	200	Pepsi Cola Facility	2717 Western Bypass, Durham	LUST	May-90	Jul-92	<200 ft. from alignment	UST removals and also a dispenser leak was remediated.	None	No issues noted during field walk.	Med	No further actions.
9	205	Durham Herald Sun Newspaper	2828 Pickett Road, Durham	RCRA Generator	Jan-07	Jan-07	750 ft. from alignment	Small quantity generator of hazardous waste.	No records of violations.	No issues noted during field walk.	Low	No further actions.
9	208	University Tower	3100 Tower Boulevard, Durham	LAST	Mar-04	Sep-05	250 ft. from alignment	Heating oil AST release.	Soil was removed.	No issues noted during field walk.	Med	No further actions.
9	211	Uzzle Cadillac Oldsmobile	3737 Chapel Hill Boulevard, Durham	Historic Auto Station, LAST, LUST	Nov-98	Nov-98	750 ft. from New Hope Creek - Option 1	RCRA HW generator with no listing of any HW release. Did have a RCRA generator violation in 2001.	Several USTs removed. Remedial activity noted, but no closeout listing.	No issues noted during field walk.	Low	No further actions.
9	213	Precision Tune Durham	3910 Chapel Hill Boulevard, Durham	Historic Auto Station, LUST	Aug-94	May-01	<200 ft. from New Hope Creek - Option 2	There was another historic auto station very near to this address (3900 vs. 3910) prior to currently active business.	Site has continued similar operations in the past 12 years since the 2001 closeout of incident.	No issues noted during field walk.	High	Recommend full Phase I ESA.
9	214	RPM Nissan (also Michael Jordan Nissan)	3930 Chapel Hill Boulevard, Durham	LUST, RCRA Generator	Jan-07	1997 & 2009	200 ft. from alignment	Two closeout dates suggest more than one release incident.	Multiple RCRA violations recorded. Achieved compliance after each (per electronic data) over several years.	No issues noted during field walk.	High	Recommend full Phase I ESA.
9	215	Belk-Leggett Company	4001 Chapel Hill Boulevard, Durham	LUST	Aug-98	Mar-01	850 ft. from New Hope Creek - Option 1	Two USTs in record. One was removed, but unclear status regarding the second UST.	None	No issues noted during field walk.	Low	No further actions.
9	215	Bridgestone-Firestone Tires	4001 Chapel Hill Boulevard, Durham	IMD	Aug-98	Mar-01	700 ft. from New Hope Creek - Option 2	Used oil release.	No GW impact in record.	No issues noted during field walk.	Low	No further actions.
9	215	Durham Auto Park	3823 Chapel Hill Boulevard, Durham	LUST	Jul-08	Oct-10	250 ft. from New Hope Creek - Option 1	4 USTs removed. A sixth UST listed in the record, but was not confirmed in the record that it was also removed.	Three of the USTs installed in the 60's and three more USTs in the late 70's.	No issues noted during field walk.	Med	No further actions.
9	215	Northern Telecom Gateway Facility	4001 NC Highway 54, Durham	LAST	Jun-98	Dec-11	250 ft. from New Hope Creek - Option 2 (Street name - East Chapel Hill Blvd is incorrect in EDR, correct street is NC Hwy 54)	Petroleum-impacted soils beneath 250,000 gallon fire water AST. No GW impact in record.	None	No issues noted during field walk.	Med	No further actions.
9	218	Target Store #T1872	4037 Durham-Chapel Hill Boulevard, Durham	RCRA Generator	Jan-07	Jan-07	450 ft. from alignment	Large Quantity Generator (ignitable and corrosive, but no chlorinated solvents).	No record of releases or non-compliance issues.	No issues noted during field walk.	Low	No further actions.

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9	219	Snow White Cleaners Dry Cleaning Plant	3117 Shannon Road, Durham	Historic Dry Cleaners	None	None	<200 ft. from New Hope Creek - Option 1	This occupancy pre-dates a total demolition/re-construction of the mall after 2002. This business could have been active for up to 27 years, in which chlorinated dry-cleaning solvents could have been used.	The old mall, including the dry cleaner space, was demolished and fresh earthwork preceded construction of the present mall. Current mall covers similar foot-print as the old mall building, such that there would be minimal transport of residual contaminants (if any remain). The former dry cleaner was within the mall (not on an outparcel).	No issues noted during field walk.	Med	No further actions.
9	220	RBC Century Bank	3412 Westgate Drive, Durham	LAST	Apr-05	Not reported	700 ft. from alignment	110 gallon leak of hydraulic oil.	Record indicates site is closed, but no closure date is provided.	No issues noted during field walk.	Low	Verify closure or site status from NCDENR.
9	221	Regency Plaza Cleaners	3912 University Drive, Durham	RCRA Generator	NA	NA	200 ft. from alignment	Record indicates past use of PERC, but no releases or violations listed. Remains in operation, presumably using non-chlorinated solvents.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
9	222	Esposito Property	113 Landsbury Drive, Durham	LUST	Aug-02	Aug-03	850 ft. from New Hope Creek - Option 1	Releases discovered during removal of 280 gallon tank.	None	No issues noted during field walk.	Low	No further actions.
9	223	H & S Cleaners	4015-H University Drive, Durham	Historic Auto Station, Historic Dry Cleaners, RCRA Generator	NA	NA	Abuts New Hope Creek - Option 2	Chlorinated dry cleaning solvents listed as used at this location during prior years.	The post-97 cleaner activities (the RCRA generator listings) were apparently under at least two different operators.	No issues noted during field walk.	High	Recommend full Phase I ESA.
9	NA	Firestone Tire and Service Center	NE corner of University Drive & Westgate Drive, Durham	NA	NA	NA	Abuts New Hope Creek - Option 1 (URS used 4126 University Drive for geolocation)	EDR database records do not indicate a past release, but based on the type and age of this business, subsurface contamination may be present.	None	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
10	204	Forest at Duke	2701 Pickett Road, Durham	LAST	Jan-00	Dec-10	>2000 ft. from alignment	Release of up to 1100 gallons of heating oil. 750 gallons recovered.	Impacted soil removed, two GW monitoring wells sampled for 8260 and 8270 were BQL.	No issues noted during field walk.	Low	No further actions.
10	206	Auto Body America	3410 Durham-Chapel Hill Blvd, Durham	Historic Auto Station	NA	NA	>2000 ft. from New Hope Creek - Option 1	None	None	No issues noted during field walk.	Low	No further actions.
10	207	Midas Muffler	3606 Durham-Chapel Hill Blvd, Durham	Historic Auto Station	NA	NA	2000 ft. from New Hope Creek - Option 1	Low risk based on topography and/or distance.	None	No issues noted during field walk.	Low	No further actions.
10	209	John's Service Station	3004 Academy Road, Durham	LUST	Jul-10	Not closed	>3000 ft. from New Hope Creek - Option 1	Recent discovery (3 years). Closure not achieved yet.	At this time, there is a lack of information about the magnitude and/or severity of the release.	No issues noted during field walk.	Low	No further actions.



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10	210	South Square Lincoln Mercury (also Durham LM & Michael Jordan RPM LM)	3621 Chapel Hill Boulevard, Durham	LUST	Feb-96	May-11	1600 ft. from New Hope Creek - Option 1	Tank removals in 1996.	None	No issues noted during field walk.	Low	No further actions.
11	120	American Tobacco - Nowell	312 Blackwell Street, Durham (also includes listing for Pettigrew & Blackwell)	RCRA NonGen/NLR, UST	Jan-08	Oct-10	400 ft. from alignment	USTs removed.	Also formerly a Large Quantity Generator, but no violations recorded.	No issues noted during field walk.	Med	No further actions.
11	120	Durham Public Service Co. Property	309 Blackwell Street, Durham	SHWS	Not reported	Not reported	300 ft. from alignment	No record of releases.	Site has been re-developed.	No issues noted during field walk.	Med	No further actions.
11	120	Lucky Strike, LLC	310 Blackwell Street, Durham	RCRA SQG	NA	NA	450 ft. from alignment	Small quantity generator of hazardous waste. Also LQG during different year.	No violations found.	No issues noted during field walk.	Low	No further actions.
11	120	Power House	320 Blackwell Street, Durham	LUST, PIRF	Jun-11	Oct-11	350 ft. from alignment	Soil Contamination detected.	None	No issues noted during field walk.	Med	No further actions.
11	120	SBER Lucky Strike, LLC	310 Blackwell Street, Durham	RCRA SQG	NA	NA	400 ft. from alignment	Lead wastes generated.	Has been re-developed.	No issues noted during field walk.	Low	No further actions.
11	123	Laidlaw Transit	123 Vivian Street, Durham	FINDS, RCRA NonGen/NLR	NA	NA	250 ft. from alignment	Form received by agency in Mar-01; no violations found.	Conditionally exempt small quantity generator.	No issues noted during field walk.	Low	No further actions.
11	124	Durham County Detention Facility	219 South Mangum Street, Durham	UST	NA	NA	400 ft. from alignment	Installed Mar-95.	Tank status shows current.	No issues noted during field walk.	Med	No further actions.
11	124	Former Durham Area Transit Authority	111 Vivian Street, Durham	IMD, LAST, LUST TRUST, RCRA Generator	Oct-03	Intermediate risk as of July-12	250 ft. from alignment	Multiple listings in database. A crack was reported in a fiberglass line. Later, a total of 8 USTs removed. Also leak at hydraulic lifts. Oil and grease in TPH detected in soil at 25000 ppm. 91 tons of soil initially removed. Additional 1044 tons of soil removed following building demolition.	It is not clear if the site has achieved closure. No record of close out.	No issues noted during field walk.	High	Recommend full Phase I ESA.
11	124	Transportation Center - Durham	111 Vivian Street, Durham	LUST	Oct-03	Not reported	250 ft. from alignment	One 15000 gallon gasoline UST and one 10000 gallon diesel UST removed. Soil contamination detected.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
11	124	U-Haul 782-57	247 South Mangum Street, Durham	IMD	Jan-98	Jul-08	350 ft. from alignment	Orphan tanks identified by consultant. Soil and GW contamination detected.	None	No issues noted during field walk.	Med	No further actions.
11	126	WTVD Studio	411 Liberty Street, Durham	IMD, LUST	Feb-98	Dec-00	1100 ft. from alignment	Petroleum leak underground. Soil and GW contamination detected.	None	No issues noted during field walk.	Low	No further actions.
11	127	Deason Residence	813 Vickers Avenue, Durham	IMD, LUST, LUST TRUST	Jun-03	Aug-04	2000 ft. from alignment	Soil contamination discovered upon the removal of 550 gallon heating oil UST.	None	No issues noted during field walk.	Low	No further actions.

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11	127	Pou Residence	811 Vickers Avenue, Durham	IMD, LUST, LUST TRUST	Jun-03	Nov-03	1900 ft. from alignment	Soil contamination discovered upon the removal of 550 gallon heating oil UST.	None	No issues noted during field walk.	Low	No further actions.
11	127	Slaughter Property	810 Vickers Avenue, Durham	LUST	Jul-07	Oct-07	2000 ft. from alignment	Petroleum leak underground. Soil contamination detected.	None	No issues noted during field walk.	Low	No further actions.
11	127	Slaughter Property (Linda #2)	814 Vickers Avenue, Durham	LUST, LUST TRUST	Jul-07	Not reported	2000 ft. from alignment	Petroleum leak underground. Contamination not reported.	None	No issues noted during field walk.	Low	No further actions.
11	128	Durham County Detention Center & Durham Engineering	326 East Main Street, Durham	LUST TRUST, RCRA Generator	Apr-90	May-11	500 ft. from alignment	Free product was found floating on water table during construction of elevator shaft.	None	No issues noted during field walk.	Med	No further actions.
11	128	Durham Housing Authority	330 East Main Street, Durham	FINDS, LUST TRUST	NA	NA	500 ft. from alignment	No tanks on site now.	No incidents reported.	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
11	129	University Ford	600 Julian Carr Street, Durham	IMD, LUST	Jul-03	Jun-05	1000 ft. from alignment	Petroleum contamination found along utility lines running from street to University Ford.	Former USTs are also listed in separate listing.	No issues noted during field walk.	Low	No further actions.
11	129	University Ford Isuzu Peugeot	East-West Expressway, Durham	UST	NA	NA	1000 ft. from alignment	Multiple tanks installed and removed historically. No current tanks on-site.	None	No issues noted during field walk.	Low	No further actions.
11	131	Chandler Concrete Company, Inc.	200 East Pettigrew Street, Durham	UST	NA	NA	<200 ft. from alignment	Tank installed in 1983, removed and permanently closed in Jun-91.	No incidents reported.	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
11	132	Durham Lot Norfolk Southern RC	Liberty & Railroad Street, Durham	IMD, LUST	Apr-04	Nov-05	>2000 ft. from alignment	One 550 gallon gasoline UST. Soil and GW contamination detected.	None	No issues noted during field walk.	Low	No further actions.
11	133	Ball Residence	901 Vickers Avenue, Durham	IMD, LUST, LUST TRUST, UIC	Oct-03	Apr-05	>2000 ft. from alignment	Petroleum leak underground. Soil and GW contamination detected.	None	No issues noted during field walk.	Low	No further actions.
11	133	Edwards Residence	914 Vickers Avenue, Durham	LUST	Apr-98	Dec-98	>2000 ft. from alignment	Petroleum leak underground. Soil contamination detected.	None	No issues noted during field walk.	Low	No further actions.
11	133	Nicholson, W.H. Property	909 Vickers Avenue, Durham	IMD, LUST	May-96	Not reported	>2000 ft. from alignment	Fuel oil tank removed and release detected.	"Cleanup" reported. No closeout recorded. Incident phase still marked as "in response".	No issues noted during field walk.	Low	No further actions.
11	134	Durham County Human Services Complex	414 East Main Street, Durham	LUST	Jan-07	Feb-09	>500 ft. from alignment	Record indicates site has been cleaned up to 2L.0202 standards.	None	No issues noted during field walk.	Med	No further actions.
11	134	St. Philips Episcopal Church	403 East Main Street, Durham	IMD, LUST, LUST TRUST	Oct-99	Aug-00	>500 ft. from alignment	One 1000 gallon fuel oil UST was removed in Oct-99. Soil contamination detected due to major leak.	None	No issues noted during field walk.	Med	No further actions.
11	136	Charter Food Store	528 East Main Street, Durham	LUST	Jul-06	Mar-09	950 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
11	136	Oldham Towers	519 East Main Street, Durham	UST	Not reported	Feb-99	1000 ft. from alignment	500 gallon tank removed.	None	No issues noted during field walk.	Low	No further actions.

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11	138	Blue Cross/Blue Shield	1007 Vickers Street, Durham	LUST	Apr-93	Mar-99	>2500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
11	139	Durham General Services	310 Dillard Street, Durham	RCRA SQG	NA	NA	250 ft. from alignment	RCRA information indicates Waste Generator.	No record of release.	No issues noted during field walk.	Low	No further actions.
11	139	Durham Housing Authority	337 East Peabody Street, Durham	LUST	Jun-90	Not reported	500 ft. from alignment	Record ends in the "follow-up" stage.	Classified as "intermediate" risk in Sep 2011.	No issues noted during field walk.	High	Recommend full Phase I ESA.
11	140	Carpenter Chevrolet, then Rick Hendrick Chevrolet	600 East Main Street, Durham	RCRA Generator, UST	Dec-88	May-03	1000 ft. from alignment	7 USTs removed in 1988.	None	No issues noted during field walk.	Low	No further actions.
11	140	Durham Housing Authority	600 East Main Street, Durham	LUST	Dec-88	May-03	1000 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
11	141	Parking Lot	464 East Pettigrew Street, Durham	LAST, LUST	Jan-93 & Jan-08	Mar-09	<200 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
11	142	Continental Forest Industries	No address listed	HSDS	NA	NA	2000 ft. from alignment (precise location not known per database, URS used 923 Franklin Street for geolocation)	No indication of a release.	None	No issues noted during field walk.	Low	Verify closure or site status from NCDENR.
11	143	113 South Elizabeth Street	113 South Elizabeth Street, Durham	Historic Auto Station	NA	NA	650 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
11	144	601 Ramsuer Street	601 Ramsuer Street, Durham	Historic Auto Station	NA	NA	450 ft. from alignment	None	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
11	144	Budd Piper Roofing	506 Ramseur Street, Durham	LUST	Dec-93	Mar-99	350 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
11	145	Rick Hendrick Collision Center	409 South Roxboro Street, Durham	RCRA Generator	NA	NA	900 ft. from alignment	Past generator violations. Achieved compliance after NOVs. No record of releases.	None	No issues noted during field walk.	Med	No further actions.
11	146	Hendrick Chevrolet	Hood & Walker Street, Durham	LUST	Mar-88	Feb-06	1200 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
11	147	International Paper	923 Franklin Street, Durham	IMD, LAST, LUST, RCRA Generator	1984 & 1987	Oct-99	>2000 ft. from alignment	RCRA violations closed out. No releases indicated relative to RCRA.	None	No issues noted during field walk.	Low	No further actions.
11	148	218 Hood Street	218 Hood Street, Durham	Historic Auto Station	NA	NA	850 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
11	149	Golden Belt Manufacturing	807 East Main Street, Durham	LUST	Apr-91	Sep-91	1500 ft. from alignment	10,000 gallon UST removed.	None	No issues noted during field walk.	Low	No further actions.
11	151	Boyce Building Supply & Excel Auto Repair	704 & 706 Ramseur Street, Durham	Historic Auto Station, UST	Dec 91	Dec-91	350 ft. from alignment	Listed as permanently closed.	None	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
11	151	REA Express (also Amoco Oil)	Ramseur & Hood Street, Durham	UST	Oct-89	Oct-89	350 ft. from alignment (precision location not known per database, URS used 704 Ramseur Street for geolocation)	Listed as permanently closed.	None	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
11	153	Daughtery Chemical Company	307 Walker Street, Durham	CERCLIS, RCRA Generator	Multiple dates, last entry Jul-89	None	1000 ft. from alignment	Assigned NFRAP status indicating low priority.	None	No issues noted during field walk.	Low	No further actions.
11	154	Elkins Chrysler-Plymouth	125 East-West Expressway, Durham	LUST	Jun-02	Nov-02	200 ft. from alignment	5 USTs removed	None	No issues noted during field walk.	Med	No further actions.
11	155	Goodwill Industries Store	930 East Main Street, Durham	LUST	Jul-03	Oct-03	1400 ft. from alignment	1 UST removed.	None	No issues noted during field walk.	Low	No further actions.

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11	156	Few Property	203 North Alston Avenue, Durham	LUST	Apr-91	Jan-95	1700 ft. from alignment	Upslope from the alignment.	None	No issues noted during field walk.	Low	No further actions.
11	156	Starling Enterprises	Alston Ave & Worth Street, Durham	LUST	Sep-90	Oct-90	1800 ft. from alignment	Soil had 17 ppb xylenes.	None	No issues noted during field walk.	Low	No further actions.
11	157	Durham Housing Authority	1103 Morning Glory Avenue, Durham	LAST	Apr-03	None	1700 ft. from alignment	Upslope from the alignment.	None	No issues noted during field walk.	Low	No further actions.
11	158	Quality Janitor Service & Seaboard Coastline RR	815 & 816 Ramseur Street, Durham	Historic Dry Cleaners, Historic Locomotive Facility	NA	NA	500 ft. from alignment	None	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
11	160	Schwartz and Sons Inc.	217 South Holman Street, Durham	FINDS, LUST, NPDES	1998	No closure noted, GW monitoring continued at least through 2002	250 ft. from alignment	Site has a long history as a scrap processor. UST leak recorded in 1998.	The 1998 UST leak resulted in free product reaching a neighboring property.	Noted lots of metal scrap and trucks on-site.	High	Recommend full Phase I ESA.
11	161	Automotive Waste Recycle	304 South Elm Street, Durham	RCRA Generator	NA	NA	650 ft. from alignment	Former RCRA Waste Generator.	No violations or releases recorded.	No issues noted during field walk.	Low	No further actions.
11	162	Army Reserve XVIII Airborne Corps	1228 Carroll Street, Durham	RCRA Generator	NA	NA	>4500 ft. from alignment	No violations or releases recorded. Last update was 2005.	None	No issues noted during field walk.	Low	No further actions.
11	163	The Little Laundry, Shaw Abe, Lesnic Auto Repair	905 & 915 Angier Avenue, Durham	Historic Auto Repair, Historic Dry Cleaners	NA	NA	900 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
11	164	CSX Railroad Depot	902 Ramseur Street, Durham	LUST	Jul-92	Dec-04	350 ft. from alignment	Diesel release. Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
11	165	Bus Lot	Corner of Main & Alston, Durham	UST	Not reported	Dec-09	1200 ft. from alignment	UST removed, but no release indicated.	None	No issues noted during field walk.	Low	No further actions.
11	165	Exxon - Collins	100 South Alston Avenue, Durham	LUST	Jan-99	Dec-09	1200 ft. from alignment	Seven USTs removed in 1999.	None	No issues noted during field walk.	Low	No further actions.
11	165	V&S Auto Repair Service	1200 East Main Street, Durham	Historic Auto Station	NA	NA	1200 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
11	167	Heritage Square	401 East Lakeside Avenue, Durham	Historic Auto Station, Historic Dry Cleaners, LAST	Aug-07	Oct-07	1000 ft. from alignment	Also listed as a Brownfield site.	None	No issues noted during field walk.	Low	No further actions.
11	168	M&F Bank Building (former)	615 Old Fayetteville Street, Durham	LUST	May-02	Jul-02	500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
11	169	Daughtery Chemical Company	No address listed	HSDS	NA	NA	1000 ft. from alignment (precise location not known per database, URS used 307 Walker Street for geolocation)	No information provided in the electronic record.	None	No issues noted during field walk.	Low	Verify closure or site status from NCDENR.
11	170	Bull City Service Station (former)	701 Fayetteville Street, Durham	Historic Auto Station	NA	NA	900 ft. from alignment	No information provided in the electronic record.	None	No issues noted during field walk.	Low	No further actions.
11	170	Scott & Roberts Inc. CLO CLNS	712 Fayetteville Street, Durham	Historic Dry Cleaners	NA	NA	950 ft. from alignment	No information provided in the electronic record.	None	No issues noted during field walk.	Low	No further actions.
11	171	Plummer Properties	204 South Blacknall Street, Durham	Brownfields	Not reported	Not reported	2000 ft. from alignment	No information provided in the electronic record.	None	No issues noted during field walk.	Low	No further actions.

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11	172	Rite Way Laundry, then NC News Company (adjacent to PDA Central Pump and Motor & Plummer Properties)	1212, 1309, 1302 Angier Avenue; 1303, 1304 1305, 1306, 1308, 1309, 1310, 1311, 1314, 1315 Morven Place, Durham	Brownfields, Historic Auto Station, Historic Dry Cleaners, UST	1979	Jun-03	800 ft. from alignment	Multiple small parcels under a single Brownfields designation. Several USTs removed, plus contaminated soil.	Record indicated no GW contamination.	No issues noted during field walk.	Low	No further actions.
11	173	St. Joseph Historic Site	804 Old Fayetteville Street, Durham	LUST	Apr-90	Apr-90	750 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
11	174	Dawson Gulf Service	815 Fayetteville Road, Durham	Historic Auto Station	NA	NA	1100 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
11	176	Former Green Oil, Long Oil, and Harris Oil Site (Unity Oil listed as current owner)	1402 & 1404 Angier Street, Durham	Brownfields, Historic Auto Station, Historic RCRA Generator	NA	NA	800 ft. from alignment	A Brownfield site and former auto station.	None	No issues noted during field walk.	Low	No further actions.
11	177	Orange Recycling (formerly Hecks Auto Care)	1010 East Pettigrew Street, Durham	Historic Auto Station, RCRA Generator	NA	NA	<200 ft. from alignment	No record of releases or violations.	None	No issues noted during field walk.	Med	No further actions.
11	179	Don C. Christian Co. Inc.	South Goley & Cross Street, Durham	UST	Not reported	Jul-81	>500 ft. from alignment	UST removed prior to UST regulations.	None	This location is near two large recycling operations with large amounts of material stored in the paved yard and on the adjoining unpaved soil. Items stored include several 280-gallon totes, scrap metal, and ten large bulk tanks, some vertical and some horizontal.	High	Recommend full Phase I ESA.
11	180	Bob's Service Garage	309 South Alston Avenue, Durham	LAST	May-05	Not closed	250 ft. from alignment	EDR records indicate that TTA is property owner.	Listed as still in assessment.	No issues noted during field walk.	High	Recommend full Phase I ESA.
11	180	Freeway BP, Bob's Service Garage	308 & 309 South Alston Avenue, Durham	LUST	Oct-00	Feb-01 & Apr-03	250 ft. from alignment	Several USTs removed. Incident closed. Newer tanks in operation.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
11	180	Southern Coach Company	1300 East Pettigrew Street, Durham	UST	Mar-88	NA	<200 ft. from alignment	Two USTs installed.	No record of releases.	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
11	181	Hudson Automotive	1003 Gillette Avenue, Durham	Historic Auto Station	NA	NA	450 ft. from alignment	None	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
11	183	Warren Liberty Site	1201 Fayetteville Street, Durham	LUST	Jan-04	Jan-05	1900 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
11	184	Whitted School	400 East Umstead Street, Durham	LUST	Aug-93	Nov-96	1900 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
11	189	Sullivan Street Site	1606 Sullivan Street, Durham	Brownfields	None	None	300 ft. from the Alston Ave. ROMF Alternative	Minimal information about contamination.	None	No issues noted during field walk.	Med	No further actions.
11	189	T. A. Grady Community Center	Lakeland Street, Durham	LUST	Jan-91	Mar-99	>4500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
11	191	Lincoln Community Center (now Duke Health)	1301 Fayetteville Street, Durham	LUST	May-95	Jan-97	>2000 ft. from alignment	270 gallon fuel tank removed.	None	No issues noted during field walk.	Low	No further actions.
11	193	Exxon-45383 Ruffins	602 South Alston Avenue, Durham	Historic Dry Cleaners, LUST	Jul-96	Aug-96	1200 ft. from alignment	Minor soil contamination during UST removals.	None	No issues noted during field walk.	Low	No further actions.
11	194	Gladys Clarke Residence	708 Linwood Avenue, Durham	LAST	Dec-07	NA	2000 ft. from alignment	Home heating oil tank.	None	No issues noted during field walk.	Low	No further actions.
11	195	Parkview Convenience	701 South Alston Avenue, Durham	LUST	Jul-86	Aug-86	1500 ft. from alignment	Gasoline release from dispenser lines.	None	No issues noted during field walk.	Low	No further actions.

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11	195	Whisenton Property	510 Massey Ave, Durham	LUST	Apr-04	Jan-05	>2500 ft. from alignment	Home heating oil tank.	None	No issues noted during field walk.	Low	No further actions.
11	198	Evans M/M 2	710 South Alston Avenue, Durham	LUST	Jan-11	Aug-11	1700 ft. from alignment	Product type released not clear, but record indicates closeout.	None	No issues noted during field walk.	Low	No further actions.
11	203	832 Ridgeway Ave.	832 Ridgeway Avenue, Durham	Brownfields	None	None	>2000 ft. from alignment	Minimal information in electronic record.	None	No issues noted during field walk.	Low	No further actions.
11	124 & 188	Tucker Properties	1802, 1804 & 1806 East Pettigrew Street, Durham	Brownfields	NA	NA	<200 ft. from the Alston Ave. ROMF Alternative	Phase 1 ESA was performed. Unknown if Phase II sampling and/or remediation cleanup was subsequently performed.	Listed as a Brownfields site in a separate listing.	No issues noted during field walk.	Med	Verify closure or site status from NCDENR.
12	175	Lions Club Industries	1810 East Main Street, Durham	LUST	Jan-91	May-04	1800 ft. from alignment	Releases observed during UST removal.	None	No issues noted during field walk.	Low	No further actions.
12	182	1901 Angier Ave.	1901 Angier Avenue, Durham	LUST	Feb-11	Not reported	1700 ft. from alignment	Minimal information about contamination.	None	No issues noted during field walk.	Low	No further actions.
12	185	Grady L Hux and Sons Contractor	Physical site address not listed (address of owner is out of state)	LUST	Jul-92	Jul-92	500 ft. from the Alston Ave. ROMF Alternative	Address of owner is out of state. Physical site address is not listed.	Minimal information about contamination.	No issues noted during field walk.	Med	No further actions.
12	186	Benchmark Materials	311 South Plum Street, Durham	LAST, LUST	Jun-96	Not closed	300 ft. from the Alston Ave. ROMF Alternative	Asphalt plant.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
12	187	Tuscarora Plastics Inc.	1602 East Pettigrew Street, Durham	LUST	Oct-95	Jan-97	<200 ft. from the Alston Ave. ROMF Alternative	Two large USTs removed.	None	No issues noted during field walk.	Med	Recommend full Phase I ESA.
12	190	Tucker Properties	405 & 409 Bernice Street, Durham	Brownfields	NA	NA	<200 ft. from the Alston Ave. ROMF Alternative	Minimal information about contamination.	None	No issues noted during field walk.	Med	Recommend full Phase I ESA.
12	192	Environmental Recycling	1901 Peabody Street, Durham	CERC-NFRAP, RCRA Generator	RCRA violations in the 1980's	Not reported	<200 ft. from the Alston Ave. ROMF Alternative	Minimal information about contamination.	None	No issues noted during field walk.	Med	Recommend full Phase I ESA.
12	196	Tucker Properties	1703 & 1705 Joplin Street, Durham	Brownfields	Not reported	Not reported	200 ft. from the Alston Ave. ROMF Alternative	Minimal information about contamination.	None	No issues noted during field walk.	Med	Recommend full Phase I ESA.
12	197	Carochem	540 Gulf Street, Durham	CERCLIS, RCRA Generator	Not reported	Not reported	>3000 ft. from alignment	Minimal information about contamination.	None	No issues noted during field walk.	Low	Recommend full Phase I ESA.
12	199	Brenntag Southeast Inc.	2000 East Pettigrew Street, Durham	LAST, LUST, RCRA Generator	1987	Jan-03	<200 ft. from the Alston Ave. ROMF Alternative	GW contamination reported in 1987. Solvent and diesel releases noted.	Numerous RCRA inspections with violations, later achieved compliance. Non-NPL listing indicates "Removal Only" site (No Site Assessment Work Needed).	No issues noted during field walk.	High	Recommend full Phase I ESA.
12	201	Pifer Industries	2210 East Pettigrew Street, Durham	SHWS	NA	NA	<200 ft. from the Alston Ave. ROMF Alternative	Minimal information in electronic record.	None	No issues noted during field walk.	Med	No further actions.
12	202	Amore/Worth Chemicals	2418 East Pettigrew Street, Durham	SHWS	NA	NA	>3500 ft. from alignment	Minimal information in electronic record.	None	No issues noted during field walk.	Low	No further actions.
13	236	Swedish Import Maintenance	5404 Chapel Hill Boulevard, Durham	UST	NA	NA	>500 ft. from alignment	Two USTs removed in 1980. No record of releases.	The UST rules were promulgated 8 years after these tank removals. Soil/GW issues may not have been addressed.	No issues noted during field walk.	Med	No further actions.
13	238	Wal-Mart #2137	5450 New Hope Commons Drive, Durham	RCRA Generator	NA	NA	950 ft. from alignment, on opposite side of 15-501	No violations or releases recorded. Last update was 2012.	None	No issues noted during field walk.	Low	No further actions.
13	239	Triangle Peugeot Engine	5404 Durham-Chapel Hill Blvd, Durham	Historic Auto Station	NA	NA	600 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.

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13	240	Patterson Place	Mount Moriah Road, Durham	FINDS	NA	NA	500 ft. from alignment (precise location not known per database, URS used 3616 Witherspoon Blvd for geolocation)	None	None	No issues noted during field walk.	Low	No further actions.
13	241	Erwin Amoco (former)	I-40 & 15-501, Durham	LUST	May-94	Jan-07	400 ft. from alignment	Original incident was discovered in 1982 when a gas station was removed to make way for I-40 Construction.	None	No issues noted during field walk.	Med	No further actions.
13	242 & 243	Blue Cross Blue Shield	5901 Chapel Hill Boulevard, Chapel Hill	LUST	1982 & Mar-99	Apr-01	700 ft. from alignment	Multiple USTs removed. Diesel contamination was only 17 ppm before soil removal.	Also remediated a release of Ethylene Glycol from underground pipe.	No issues noted during field walk.	Low	No further actions.
13	244	Home Depot	3701 Mt. Moriah Road, Durham	RCRA SQG	Multiple RCRA inspections	NA	900 ft. from New Hope Creek - Option 1	No record of releases or unresolved compliance issues.	None	No issues noted during field walk.	Low	No further actions.
14	224	Garrett Road BP (also known as Starvin Marvin)	4525 Chapel Hill Boulevard, Durham	Historic Auto Station, LUST	Jan-88	Nov-06	<200 ft. from New Hope Creek - Option 2	Five USTs.	Not clear if USTs were removed, but listed as Low Risk.	No issues noted during field walk.	High	Recommend full Phase I ESA.
14	227	Dowdy Estate	3424 Lyckan Parkway, Durham	LUST	Nov-96	May-01	Abuts alignment	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
14	228	Morgan Bunky Property	4421 Chapel Hill Boulevard, Durham	LUST	Jul-92	Mar-99	200 ft. from New Hope Creek - Option 1	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
14	228	Triangle Cycles	4503 Chapel Hill Boulevard, Durham	LUST	Apr-92	Not reported	200 ft. from New Hope Creek - Option 1	Tanks closed, but incident closure not recorded.	None	No issues noted during field walk.	Med	No further actions.
14	229	Classic Toyota, Inc.	4513 Chapel Hill Boulevard, Durham	Historic Auto Station, LUST	May-92	Incident still active as of Dec-12	<200 ft. from New Hope Creek - Option 1	Three USTs removed after release.	Tanks closed, but incident closure not recorded.	No issues noted during field walk.	High	Recommend full Phase I ESA.
14	230	Bicom	3622 Lyckan Parkway, Durham	RCRA Generator	Jul-92	NA	<200 ft. from New Hope Creek - Option 1	No record of violations or releases.	None	No issues noted during field walk.	Low	No further actions.
14	230	The Cleaners, K-Mart	4215 University Drive, Durham	RCRA Generator, UST	Jan-12	NA	Abuts alignment	A RCRA inspection occurred on this date.	No violations or releases reported.	No issues noted during field walk.	Med	No further actions.
14	231	Millennium Automotive Group	4511 Durham-Chapel Hill Boulevard, Durham	Historic Auto Station, LUST, RCRA SQG	Jan-04	Jul-04	<200 ft. from New Hope Creek - Option 1	Listed as closed.	None	No issues noted during field walk.	Med	No further actions.
14	234	Circle K (former)	4212 Garrett Road, Durham	UST	Jan-90	Jan-90	<200 ft. from New Hope Creek - Option 2	UST removed, now a BP gas station with what appears to be all-new construction.	No releases reported in the record.	No issues noted during field walk.	High	Recommend full Phase I ESA.
14	235	Oak Creek	4600 Chapel Hill Boulevard, Durham	RCRA Generator	Sep-91	NA	600 ft. from New Hope Creek - Option 1	RCRA Generator using chlorinated solvents.	No releases reported.	No issues noted during field walk.	Low	No further actions.
15	225	ABI Facility	3201 Chapel Hill Road, Durham	LUST	Jul-96	Jun-11	>3500 ft. from New Hope Creek - Option 1	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
16	NA	All entries "Orphans". Ruled out that any are near the study area.	NA	NA	NA	NA	NA	NA	NA	NA	NA	No further actions.
17	247	Chapel Hill Sunoco	1744 Fordham Blvd, Chapel Hill	LUST, RCRA SQG	Apr-98	Jan-02	>4500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
17	248	Toverud Residence	810 Christopher Road, Chapel Hill	LUST	May-03	Aug-03	>2500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
17	250	Glen Lennox Shopping Center	SE corner of Highway 15/501 & Highway 54 Intersection, Chapel Hill	LUST	Nov-92	Jun-93	950 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.

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17	250	Knight Residential UST	33 Oakwood Drive, Chapel Hill	LUST	Mar-12	Jun-12	>2500 ft. from alignment	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
18	245	Montessori School	4512 Pope Road, Chapel Hill	CERCLIS	Apr-06	Apr-06	>2000 ft. from alignment	Small mercury release.	None	No issues noted during field walk.	Low	No further actions.
18	249	Chicita Culberson	5501 George King Road, Chapel Hill	LUST	Aug-05	Dec-05	850 ft. from the C1A alignment option	Listed as closed.	None	No issues noted during field walk.	Low	No further actions.
18	NA	Interstate 40 (not listed in the EDR database)	NA	NA	NA	NA	<200 ft. from alignment	The alignment route along the west shoulder of Interstate 40 had no entries in the EDR database.	None	The entire I-40 route along the western shoulder was walked and no RECs were identified along this route.	Low	No further actions.
19	248	362 Leigh Farm Road	362 Leigh Farm Road, Durham	NPDES	May-96	NA	950 ft. from alignment, on opposite side of I-40	City of Durham residential wastewater discharge.	None	No issues noted during field walk.	Low	No further actions.
20	257	UNC-Phillips Hall	120 East Cameron Avenue, Chapel Hill	LUST	Sep-94	None	>3000 ft. from alignment	19 tons of soil removed. Could not remove all impacts due to neighboring structures.	None	No issues noted during field walk.	Low	No further actions.
20	258	Chapel Hill Cleaners	422 West Franklin Street, Chapel Hill	Historic Dry Cleaners	Not reported		>4000 ft. from alignment	This historic cleaner site is nearly a mile from the alignment.	None	No issues noted during field walk.	Low	No further actions.
20	264	UNC Chapel Hill Fetzer Gym	210 South Road, Chapel Hill	LUST	May-02	None	>3000 ft. from alignment	Listed as a "low" risk category, but no documented closure.	15,000 ppm of TPH in soil. Soils removed, but no quantity listed.	No issues noted during field walk.	Low	No further actions.
20	267	UNC Morehead Chemistry Lab	115 South Street, Chapel Hill	LUST	Jun-10	None	>2500 ft. from alignment	Heating oil release.	None	No activity visible at this small Superfund site. It is a normal part of the central campus area with grass, trees, and buildings.	Low	No further actions.
20	267	University of North Carolina	No address listed	HSDS	Not reported	None	>4500 ft. from alignment (URS used 160 Ridge Trail for geolocation)	The coordinates for this 1435 sq ft. site are more than a mile away from the alignment, located in the center of campus near South Street.	Minimal information in electronic record. Superfund ID 003 203 213.	No activity visible at this small Superfund site. The site is a fraction of an acre and is part of the landscaped central campus.	Low	No further actions.
20	268	UNC Fordham Hall	100B South Road, Chapel Hill	LUST	Apr-06	Jul-06	>2000 ft. from alignment	No GW contamination detected.	None	No issues noted during field walk.	Low	No further actions.
20	277	Brinkhous-Bullitt Building	100 North Medical Drive, Chapel Hill	LUST, RCRA Generator	May-04	Feb-13	1500 ft. from alignment	3000 gallon UST and 17 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
20	278	Beryl Slome Property	223 Vance Street, Chapel Hill	LUST	Jul-98	None	1800 ft. from alignment	Soil contamination found at removal of home heating oil tank.	None	No activity visible at this small Superfund site. It is a normal part of the central campus area with grass, trees, and buildings.	Low	No further actions.
20	278	Eldridge Rosenfeld Residence	218 Vance Street, Chapel Hill	LUST	May-04	Jul-04	1800 ft. from alignment	550 gallon residential UST.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
20	278	Robert Hykes Property	408 Pittsboro Street, Chapel Hill	LUST	Jun-05	Jul-05	1600 ft. from alignment	550 gallon residential UST.	None	No issues noted during field walk.	Low	No further actions.



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20	278	UNC McGavran-Greenburg	401 Pittsboro Street, Chapel Hill	LUST	Sep-09	Feb-13	1700 ft. from alignment	Line leak from 550 gallon emergency generator tank.	None	No issues noted during field walk.	Low	No further actions.
20	284	Smither Residence	209 University Drive, Chapel Hill	LUST	Jun-97	Jul-97	1400 ft. from alignment	Soil contamination found at removal of home heating oil tank.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
20	284	UNC Chapel Hill	215 University Drive, Chapel Hill	LUST	Sep-98	Apr-99	1400 ft. from alignment	Contamination below action levels.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
20	289	Biological Science Research Center	101 Manning Drive, Chapel Hill	LUST	Aug-96	Jan-01	1300 ft. from alignment	BDL after soil removal.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
20	289	NC Memorial Hospital	101 Manning Drive, Chapel Hill	NFRAP, RCRA Generator	Sep-85	Nov-90	1400 ft. from alignment	Closed out. No record of releases.	RCRA information indicates Waste Generator.	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
20	294	UNC Grounds Maintenance	Daniels Road, Chapel Hill	LUST	Nov-98	Incident listed as closed, but no closure date	250 ft. from alignment (precise location not known per database, URS used 105 Daniels Road for geolocation)	None	None	Overall, this entire area appeared free of REC's. The maintenance compound was neat and orderly: no stains observed, equipment was either stored indoors or was free of oil and other contamination if stored outside. All chemicals were stored inside or within containment boxes. No signs of vehicle repair observed outside. Drainage swales showed no evidence of past releases. Hazardous chemical containers were protected in indoor locations of or in "drum containment" devices.	Med	No further actions.
20	300	Botanical Garden Foundation	111 Purefoy Road, Chapel Hill	IMD, LUST	Feb-97	Feb-08	750 ft. from alignment	Contamination discovered upon closure of UST.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
20	300	Radford Residence	111 Purefoy Road, Chapel Hill	LUST	Feb-97	Jan-01	750 ft. from alignment	Release discovered during removal of 550 gallon UST. Site given to NC Botanical Garden Society.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
20	301	Nicholo Sartour Property	126 Purefoy Road, Chapel Hill	LUST	Jan-07	None	1400 ft. from alignment	Release discovered as part of a Phase I property assessment.	No incident closure in record.	No visual evidence of hazardous material releases during field walk.	Low	No further actions.

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20	305	Brinkhous Residential UST	408 Whitehead Circle, Chapel Hill	LUST	May-11	May-11	750 ft. from alignment	Release discovered during removal of 550 gallon UST.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
20	305	Harris Property	420 Whitehead Circle, Chapel Hill	LUST	May-08	May-13	1200 ft. from alignment	Release discovered during removal of 550 gallon UST.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
20	292 to 298	UNC from Genetic Medicine Building to Parcel 9788524027	NA	IMD, LUST, LUST TRUST	Multiple dates	Multiple dates	350 ft. from alignment	No record of releases.	None	Overall, this entire area appeared free of REC's. The maintenance compound was neat and orderly; no stains observed, equipment was either stored indoors or was free of oil and other contamination if stored outside. All chemicals were stored inside or within containment boxes. No signs of vehicle repair observed outside. Drainage swales showed no evidence of past releases. Hazardous chemical containers were protected in indoor locations or in "drum containment" devices.	Med	No further actions.
21	251	Marilyn Regan Property	32 Oakwood Drive, Chapel Hill	LUST	Oct-96	Nov-07	>2500 ft. from alignment	Downslope from the alignment.	None	No issues noted during field walk.	Low	No further actions.
21	252	Vandermeer Property	902 Christopher Road, Chapel Hill	LUST	Sep-06	May-07	1900 ft. from alignment	Downslope from the alignment.	None	No issues noted during field walk.	Low	No further actions.
21	253	Buehler Property	817 Old Mill Road, Chapel Hill	LUST	May-99	None	2000 ft. from alignment	Downslope from the alignment.	None	No issues noted during field walk.	Low	No further actions.
21	254	Hart Residence	908 Greenwood Road, Chapel Hill	LUST	May-05	Aug-05	>2500 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
21	259	McKinney Property	9 Rogerson Drive, Chapel Hill	LUST	Apr-04	None	1600 ft. from alignment	Home heating oil tank releases. 58 tons of soil removed.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
21	260	908 Arrowhead Road Property	908 Arrowhead Road, Chapel Hill	LUST	Apr-97	Nov-07	1700 ft. from alignment	Home UST release. Soil excavated (no quantity).	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
21	260	LODA Property	905 Arrowhead Road, Chapel Hill	LUST	Dec-09	Sep-10	1800 ft. from alignment	Home UST release. Soil excavated (no quantity).	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
21	260	Scatliff Residential UST	906 Arrowhead Road, Chapel Hill	LUST	Jun-10	Nov-10	1700 ft. from alignment	Home UST release. Soil excavated (no quantity).	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.

**Triangle Transit - Durham-Orange Light Rail Project**  
**ASTM 1527 Corridor Search Summary (Data Purchased from EDR, Inc.)**

EDR Focus Map	EDR Map ID	Site Name per EDR Listing (site names created by URS where not listed by EDR)	Address	Data Base	Incident Date (Month/Year)	Incident Closure Date (Month/Year)	Distance	Comment 1	Comment 2	Field Comment	Estimated Risk	Recommendation
21	261	UNC Carmichael Auditorium	310 South Road, Chapel Hill	LUST	Sep-97	None	>3500 ft. from alignment	250 gallon UST and soil excavated (no soil quantity).	No GW contamination reported, but no closure recorded.	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
21	262	Beverly Holland Residence	13 Oakwood Drive, Chapel Hill	LUST	Jun-02	Sep-02	1300 ft. from alignment	Home UST release. Soil excavated (no quantity). No GW contamination.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
21	263	Scherer Residential UST	106 Laurel Hill Road, Chapel Hill	LUST	Nov-10	Feb-11	>3000 ft. from alignment	Home UST release. 18 tons of soil excavated. No GW contamination.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
21	264	Glen Lennox Apartments	22 Hamilton Road, Chapel Hill (plus several side streets)	LUST	Aug-93	Mar-01	950 ft. from alignment	56 small USTs were removed from this extensive and older apartment complex.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
21	269	George Watts Hill Estate (also listed as George Watts Hill Residence)	1001 Raleigh Road, Chapel Hill	LUST	Sep-93	Mar-94	1600 ft. from alignment	2000 gallon UST removed.	No GW contamination detected.	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
21	271	Meredith Estate	2 Oakwood Drive, Chapel Hill	LUST	Apr-04	Aug-04	>500 ft. from alignment	270 gallon UST removed.	42 tons of soil removed.	No visual evidence of hazardous material releases during field walk.	Med	No further actions.
21	272	Glenwood 66	1010 Raleigh Road, Chapel Hill	LUST	Dec-93	Mar-07	500 ft. from alignment	6 USTs removed.	1737 tons of soil removed.	No visual evidence of hazardous material releases during field walk.	Med	No further actions.
21	273	Cruizers #40 (formerly Glenwood 66)	1200 Raleigh Road, Chapel Hill	Historic UST, UST	Not reported	Dec-93	700 ft. from alignment	Eight 1954 vintage USTs removed. No report of tons of soil removed or GW status.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
21	274	Fire Station #2	1003 South Hamilton Road, Chapel Hill	LUST	Jun-94	Nov-94 & Mar-99	<200 ft. from alignment	Tanks and also soils removed (no quantity). The current fire station building appears to be perhaps 20 years old.	Currently an emergency generator with a belly tank of recent manufacture sits behind the fire house. There are no indications in the record of any release.	No visual evidence of hazardous material releases during field walk.	Med	No further actions.
21	275	UNC Former Kenan Fieldhouse	No address listed (formerly at east end of Kenan Stadium)	LUST	Jun-10	None	>2500 ft. from alignment (URS used 104 Stadium Drive for geolocation)	631 tons of soil removed.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
21	279	UNC Mary Ellen Jones Building	Manning Drive, Chapel Hill	RCRA Generator	None	None	650 ft. from alignment	RCRA SQG using chlorinated solvents.	No releases reported.	No issues noted during field walk.	Low	No further actions.
21	281	George D. Higgs Property	306 Laurel Hill Road, Chapel Hill	LUST	Feb-06	Jul-06	2000 ft. from alignment	Contamination discovered upon closure of UST.	None	No issues noted during field walk.	Low	No further actions.
21	281	Hock Jr. Trustee Property	303 Laurel Hill Road, Chapel Hill	LUST	Sep-10	Oct-10	2000 ft. from alignment	34 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
21	283	Glenn Lennox BP	1201 Raleigh Road, Chapel Hill	LUST	Sep-12	None	1100 ft. from alignment	7 USTs removed. Record does not report soil quantities removed.	Recent photo shows construction at the gas pumps.	No issues noted during field walk.	Low	No further actions.

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EDR Focus Map	EDR Map ID	Site Name per EDR Listing (site names created by URS where not listed by EDR)	Address	Data Base	Incident Date (Month/Year)	Incident Closure Date (Month/Year)	Distance	Comment 1	Comment 2	Field Comment	Estimated Risk	Recommendation
21	283	Historic Cleaner (Cleaner World, Carolina Cleaners)	1210 Raleigh Road, Chapel Hill	Historic Dry Cleaners	Not reported	NA	>500 ft. from alignment	This business is listed as existing from 2006 to 2012.	None	No issues noted during field walk.	High	Recommend full Phase I ESA.
21	285	St. Thomas Moor Catholic Church	940 Carmichael Street, Chapel Hill	LUST	Sep-02	Aug-03	450 ft. from alignment	One 550 gallon UST. 74 tons of soil removed.	None	No issues noted during field walk.	Med	No further actions.
21	286	Duncan Yaggy Residence	401 Laurel Hill Road, Chapel Hill	LUST	Mar-98	None	1600 ft. from alignment	550 gallon residential UST.	None	No issues noted during field walk.	Low	No further actions.
21	286	Francis Calhoun Property	104 Pine Lane, Chapel Hill	LUST	Feb-07	May-07	1800 ft. from alignment	550 gallon residential UST. 113 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
21	286	Wooten Residential UST	105 Pine Lane, Chapel Hill	LUST	Feb-10	Nov-10	1800 ft. from alignment	550 gallon residential UST. 32 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
21	287	Veneble Hall, UNC	Manning Drive & West Drive, Chapel Hill	CERCLIS, RCRA Generator	Aug-80	Oct-01, achieved low priority CERCLIS status	>2500 ft. from alignment	This is where the Chemistry Department is located. More than 60 pages of chemicals listed as present in the electronic record. Most would be in small quantities. No external bulk chemical tanks observed.	None	No issues noted during field walk.	Low	No further actions.
21	288	UNC Craig Parking Deck	260 Manning Drive, Chapel Hill	LUST	May-10	Not closed	1300 ft. from alignment	None	None	No issues noted during field walk.	Low	No further actions.
21	290	Wright Property	5 Buttons Road, Chapel Hill	LUST	Apr-09	Jun-09	1200 ft. from alignment	550 gallon heating oil tank removed.	None	No issues noted during field walk.	Low	No further actions.
21	292	UNC-CH Bennett Building	Manning & Gravely Drive, Chapel Hill	LUST	Dec-94	Mar-99	1300 ft. from alignment	Emergency generator UST punctured with backhoe.	Close-out achieved.	No issues noted during field walk.	Low	No further actions.
21	293	Dr. John I. Jones III Residence	1011 Highland Woods Road, Chapel Hill	LUST	May-96	Mar-02	850 ft. from alignment	2550 gallon USTs removed. 30 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
21	297	Mason Farm WWTP	Mason Farm Road, Chapel Hill	LUST	Jul-95	Jan-01	1000 ft. from alignment	550 gallon UST.	Minor contamination identified using hand auguring.	No issues noted during field walk.	Low	No further actions.
21	299	Mary Ellen Jones Building	98 Manning Drive, Chapel Hill	UST	Jan-78	May-06	>500 ft. from alignment	Tank was removed.	None	No issues noted during field walk.	Med	No further actions.
21	299	NC Memorial Hospital	101 Manning Drive, Chapel Hill	Historic UST, UST	Jan-64	Jul-10	1400 ft. from alignment	7 USTs installed between 1964 and 1990 and 5 removed at various times.	None	No issues noted during field walk.	Low	No further actions.
21	302	Phillip Rees Property	503 Oteys Road, Chapel Hill	LUST	Feb-99	Jul-99	600 ft. from alignment	550 gallon tank removed.	35 tons of soil removed.	No issues noted during field walk.	Low	No further actions.
21	304	UNC Baity Housing	1503 Mason Farm Road, Chapel Hill	LAST, LUST	Sep-96	Feb-04	200 ft. from alignment	10 gallon of release.	16 tons of soil removed.	No issues noted during field walk.	Med	No further actions.
21	305	Long Property (or known as Long Residence)	424 Whitehead Circle, Chapel Hill	LUST	May-02	Jun-03	1200 ft. from alignment	Releases from removal of 550 gallon UST and then a 250 gallon AST.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
21	307	Cotterill Residence	413 Gooseneck Road, Chapel Hill	UST	Jun-04	Aug-04	800 ft. from alignment	No record of releases.	None	No issues noted during field walk.	Low	No further actions.
21	309	Houston Residence	807 Kings Mill Road, Chapel Hill	UST	Dec-05	Aug-06	700 ft. from alignment	No record of releases.	None	No issues noted during field walk.	Low	No further actions.

**Triangle Transit - Durham-Orange Light Rail Project**  
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EDR Focus Map	EDR Map ID	Site Name per EDR Listing (site names created by URS where not listed by EDR)	Address	Data Base	Incident Date (Month/Year)	Incident Closure Date (Month/Year)	Distance	Comment 1	Comment 2	Field Comment	Estimated Risk	Recommendation
21	309	Harriet Crisp Property	806 Kings Mill Road, Chapel Hill	UST	Dec-05	Aug-06	750 ft. from alignment	No record of releases.	None	No issues noted during field walk.	Low	No further actions.
21	310	John Cherry Property	1004 Kings Mill Road, Chapel Hill	LUST	Feb-06	Mar-06	1500 ft. from alignment, beyond an intervening topographical divide	None	None	No issues noted during field walk.	Low	No further actions.
21	311	Glen Snyder Residence	520 Morgan Creek Road, Chapel Hill	LUST	Nov-00	NA	>3000 ft. from alignment, beyond an intervening topographical divide	Soil contamination discovered during UST removal.	None	No issues noted during field walk.	Low	No further actions.
21	313	Honigmann Residential UST	1111 Sourwood Circle, Chapel Hill	LUST	Feb-11	Jun-11	1800 ft. from alignment, beyond an intervening topographical divide	Shallow bedrock prevented removal of additional soils. Release was minor, so the site was granted "closeout" status.	None	No issues noted during field walk.	Low	No further actions.
21	313	Margaret King Residence	1110 Sourwood Circle, Chapel Hill	LUST	Sep-09	Nov-09	1800 ft. from alignment, beyond an intervening topographical divide	16 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
21	313	Schweitzer Residential UST	1124 Sourwood Circle, Chapel Hill	LUST	Mar-96	Jun-96	1500 ft. from alignment, beyond an intervening topographical divide	16 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
21	313	Sharp Residential UST	1113 Sourwood Circle, Chapel Hill	LUST	Oct-10	Dec-10	1800 ft. from alignment, beyond an intervening topographical divide	46 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
21	313	Ulin Residential UST	1114 Sourwood Circle, Chapel Hill	LUST	Feb-10	Nov-10	1800 ft. from alignment, beyond an intervening topographical divide	56 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
21	313	Wicker Residence	1115 Sourwood Circle, Chapel Hill	LUST	Jan-11	Apr-11	1500 ft. from alignment, beyond an intervening topographical divide	Soil contamination discovered during UST removal. 7 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
21	313	Zimmerman Residence	1117 Sourwood Road, Chapel Hill	LUST	May-96	NA	1400 ft. from alignment, beyond an intervening topographical divide	Soil contamination discovered during UST removal. One monitoring well installed. GW sample was BDL.	None	No issues noted during field walk.	Low	No further actions.
21	314	UNC Chapel Hill	412 Findley Road, Chapel Hill	RCRA Generator	Feb-89	May-89	>2500 ft. from alignment	RCRA information indicates Waste Generator.	No record of release.	No issues noted during field walk.	Low	No further actions.
22	255	Falconbridge Family Fare 243	6007 Farrington Road, Chapel Hill	UST	Jul-88	None	>2000 ft. from the C1A alignment option	4 USTs installed.	No record of release.	No issues noted during field walk.	Low	No further actions.
22	256	Historic Cleaner (Carolina Cleaners)	2214 Nelson Highway, Chapel Hill	Historic Dry Cleaners	None	None	1600 ft. from the C1A alignment option	No information other than NC has flagged this address as the site of an historic dry cleaner.	None	No issues noted during field walk.	Low	No further actions.
22	280	Elegance Cleaners	701 Meadowmont Village Circle, Chapel Hill	Historic Dry Cleaners	None	None	650 ft. from the C1A alignment option	DENR website lists this as NFA, but not clear what the incident details are.	None	No issues noted during field walk.	Low	No further actions.
22	283	Rite Aid #11367	1218 Raleigh Road, Chapel Hill	RCRA Generator	Jul-07	None	500 ft. from alignment	RCRA information indicates Waste Generator.	No record of release.	No issues noted during field walk.	Low	No further actions.
22	291	East 54 Development	1310 Raleigh Road, Chapel Hill	LUST	Mar-08	Apr-08	<200 ft. from alignment	2 USTs located during construction excavations.	205 tons of impacted soil removed.	No issues noted during field walk.	Med	No further actions.

**Triangle Transit - Durham-Orange Light Rail Project**  
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EDR Focus Map	EDR Map ID	Site Name per EDR Listing (site names created by URS where not listed by EDR)	Address	Data Base	Incident Date (Month/Year)	Incident Closure Date (Month/Year)	Distance	Comment 1	Comment 2	Field Comment	Estimated Risk	Recommendation
22	295	Brinson Property	6 Friar Lane, Chapel Hill	LUST	Oct-09	Nov-09	300 ft. from alignment	No record of releases. "Closure" status granted after a month of discovery.	None	No issues noted during field walk.	Med	No further actions.
22	296	BHR	Barbee Chapel Road, Chapel Hill	LAST	Apr-12	Aug-12	>4500 ft. from alignment (URS used 504 Meadowmont Village Circle for geolocation)	275 gallon AST removed.	"Closure" status granted after 4 months of discovery.	No issues noted during field walk.	Low	No further actions.
22	308	Joseph Phillips Residence	5145 & 5205 Barbee Chapel Road, Chapel Hill	LUST	Aug-05	Mar-06	>2000 ft. from the C2 alignment option	Four 750 gallon USTs removed (farm USTs). 13 tons of soil removed.	None	No issues noted during field walk.	Low	No further actions.
22	312	UNC Staff Recreation Associatoin	1 Alice Ingram Circle, Chapel Hill	LUST	Jun-03	Oct-03	>2500 ft. from the C2 alignment option	No GW contamination detected.	None	No issues noted during field walk.	Low	No further actions.
22	315	University of North Carolina	No address listed	HSDS	None	None	>2500 ft. from alignment (URS used 412 Finley Golf Course Road for geolocation)	0.3 acre of historic solid waste site.	None	No issues noted during field walk.	Low	No further actions.
23	265	Family Fare Gas Station (formerly Tops)	6007 Farrington Road, Chapel Hill	UST	None	None	>2000 ft. from the C1A alignment option	There are intervening wetlands between this location and the C1 alignment. Station was re-constructed in 1988 with 5 new tanks. No data on the number of tanks as "Tops" or if there were historic releases from Tops.	Slightly lower elevation than the nearest point on the alignment.	No issues noted during field walk.	Low	No further actions.
24	NA	All entries "Orphans". Ruled out that any are near the study area.	NA	NA	NA	NA	NA	NA	NA	NA	NA	No further actions.
NA	NA	I-40 from alignment to crossing of Farrington Road to Old Chapel Road	NA	Field observation only (not listed in any database, but site is located within focus map indicated)	None	None	250 ft. from alignment	No record of releases.	None	No visual evidence of hazardous material releases during field walk.	Low	No further actions.
NA	NA	New Method Laundry & Dry Cleaners	1201 West Chapel Hill Street, Durham	DSCA	Not reported	Not closed	>2000 ft. from alignment	This site was not identified by EDR, but is on the active assessment list of the NC Dry-Cleaning Solvent Cleanup Act.	None	No issues noted during field walk.	Low	No further actions.

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NA	NA	Ticon Properties	East of US 15/501 & west of Western Bypass Road, 1500 feet north of Pickett Road, Durham	Field observation only (not listed in any database, but site is located within focus map indicated)	Aug-13	Oct-13	<200 ft. from alignment	Unknown if there were past releases.	None	Six 55-gallon drums, some partially full, were left on the ground near a billboard. Also minor amount of construction debris and trash. It would appear that the contractor who erected the sign may have left these drums. Upon return visit, verified that the six 55-gallon drums had been removed and that there were no stains on the ground or stressed vegetation.	Low	No further actions.



## Limited Phase I Environmental Site Assessment

### Appendix C: ASTM 1527 Corridor Search Summary GIS Maps



Figure 18: Hazardous Materials Sites

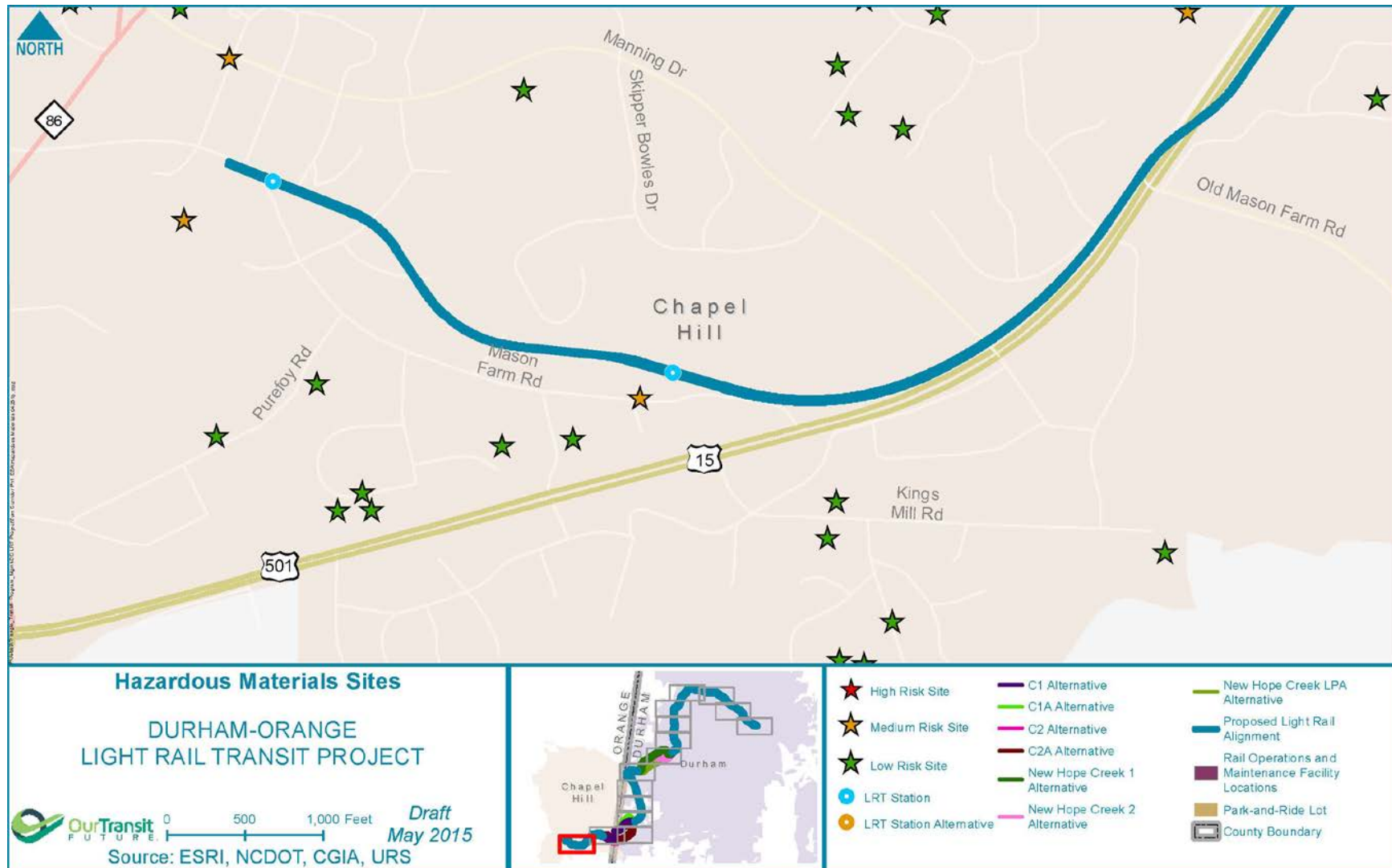


Figure 19: Hazardous Materials Sites

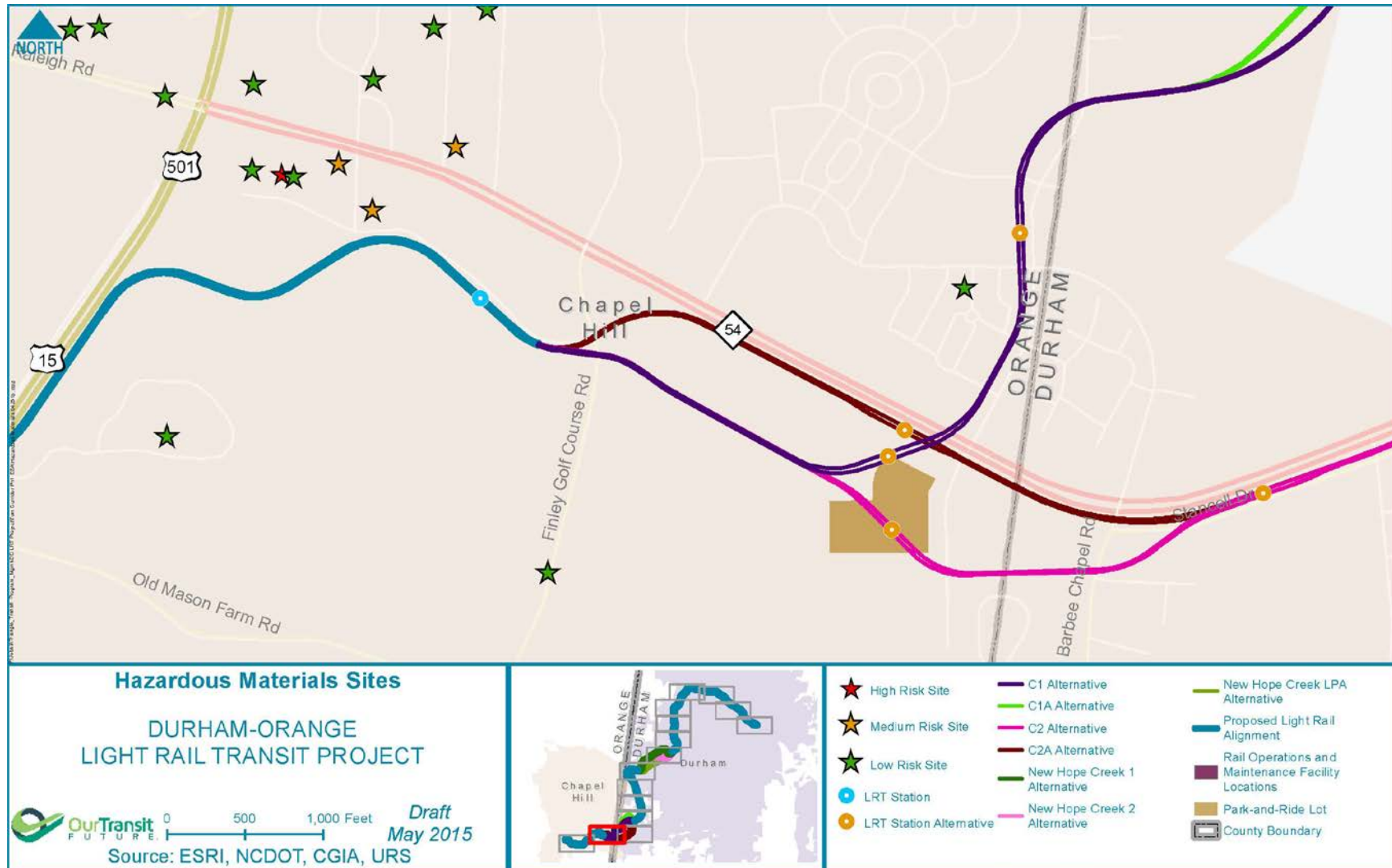


Figure 20: Hazardous Materials Sites

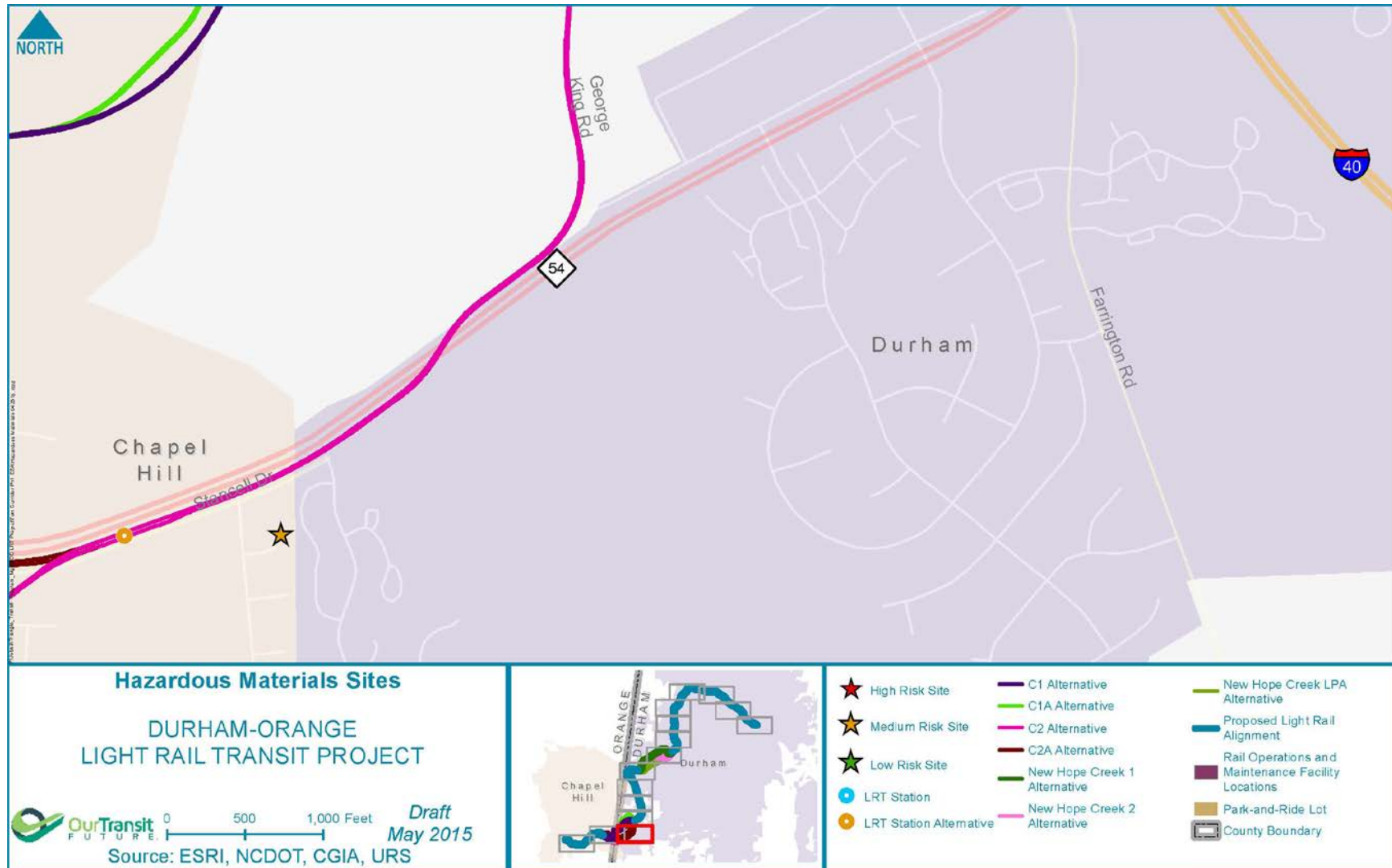


Figure 21: Hazardous Materials Sites

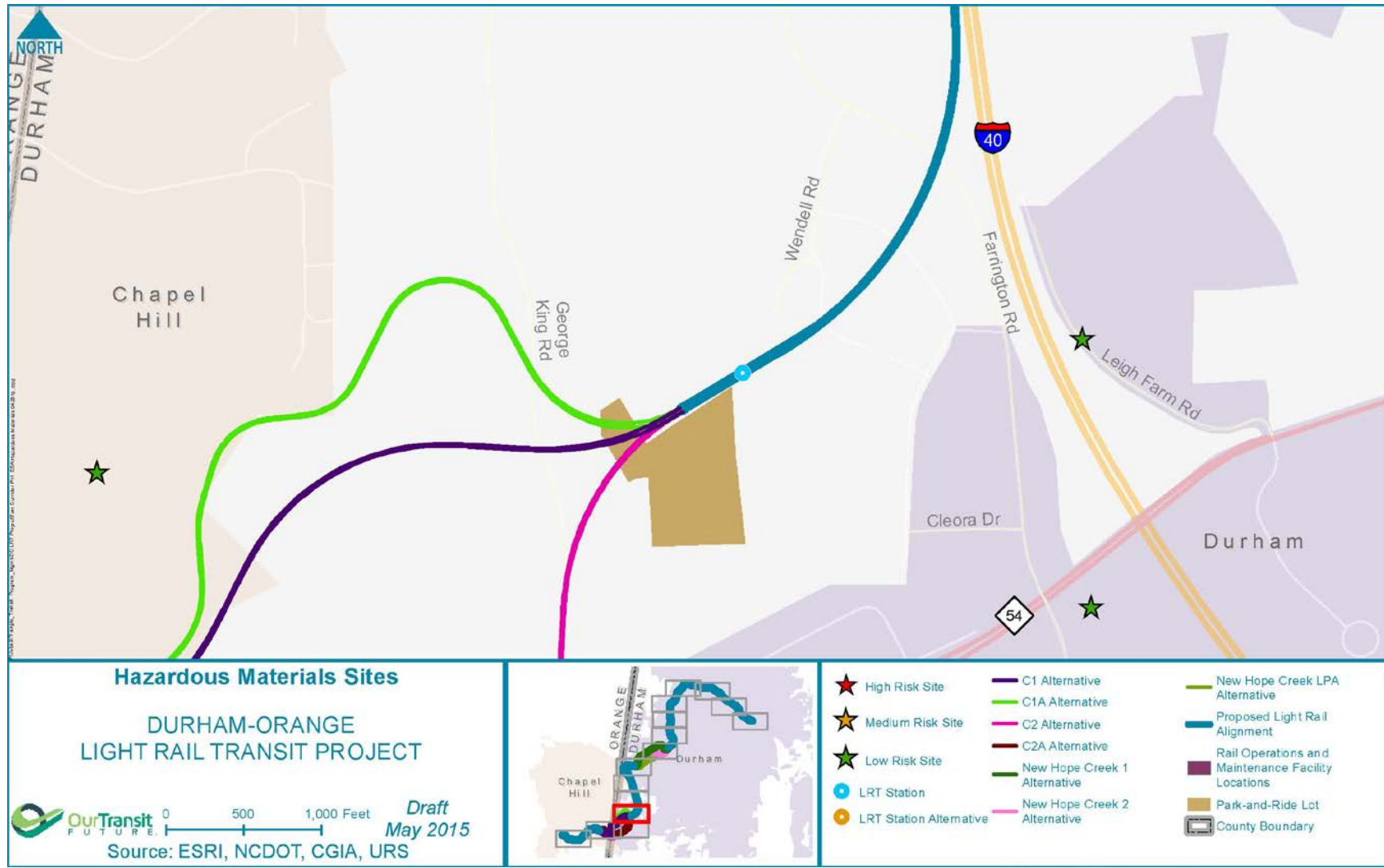


Figure 22: Hazardous Materials Sites

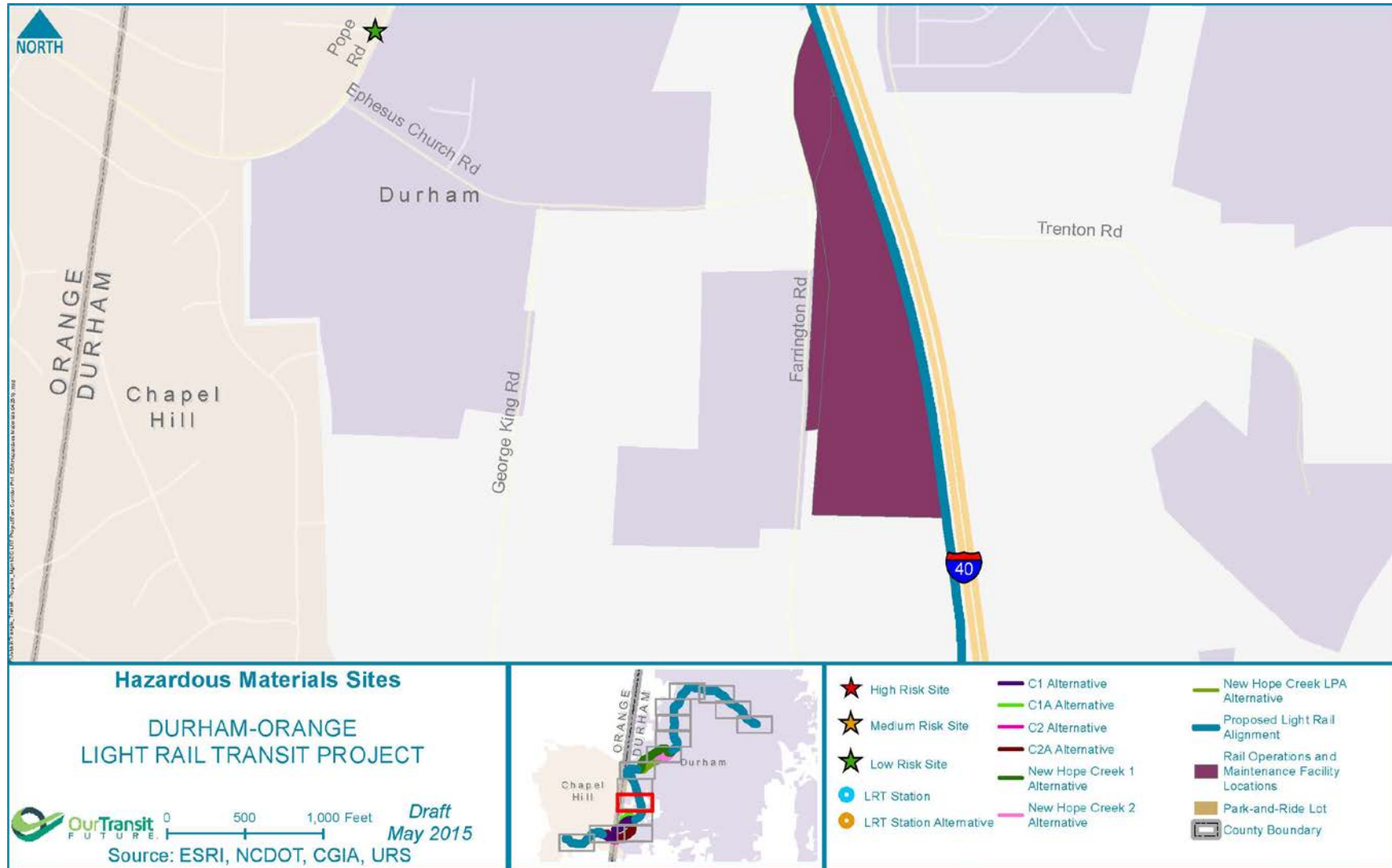


Figure 23: Hazardous Materials Sites

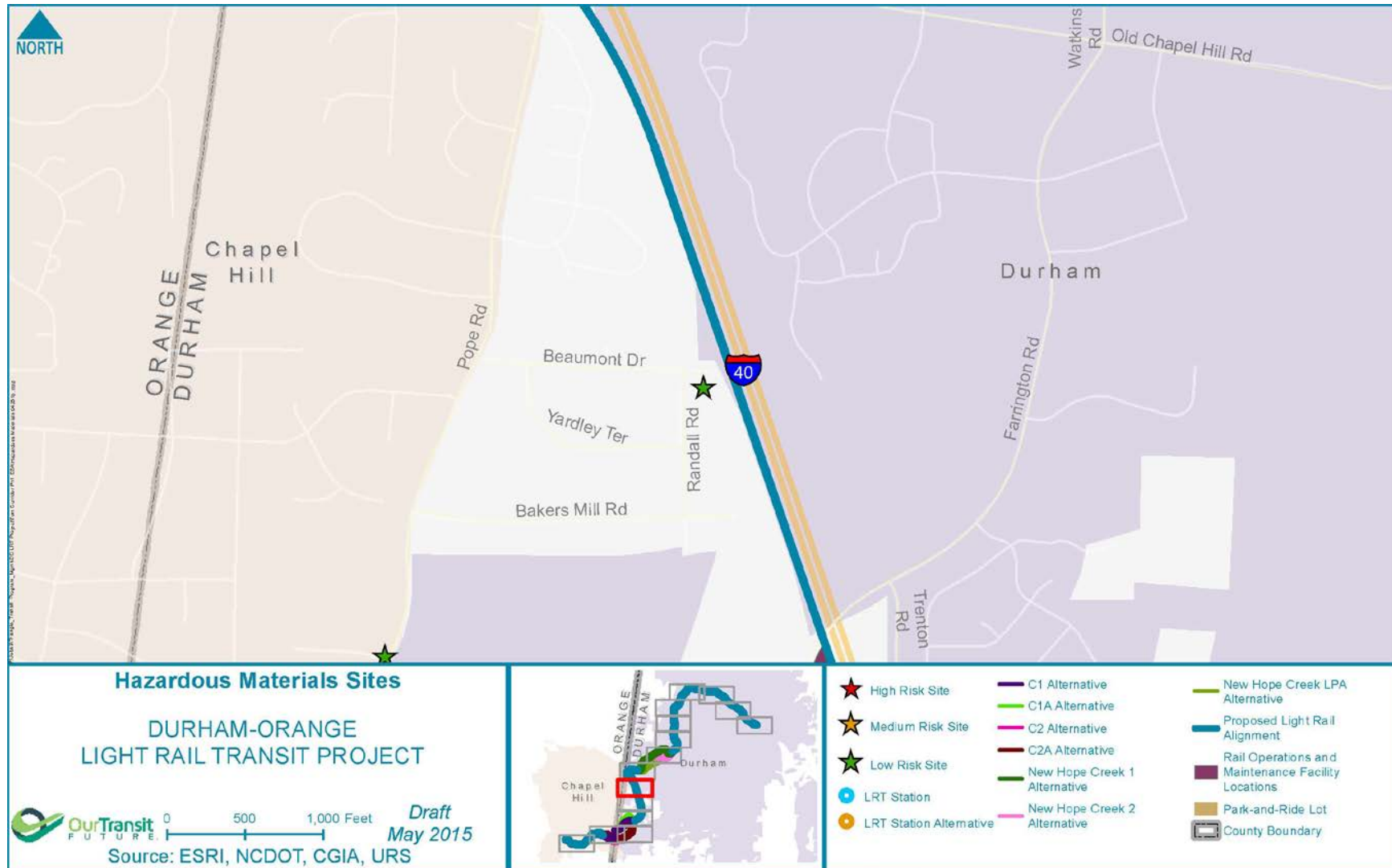


Figure 24: Hazardous Materials Sites

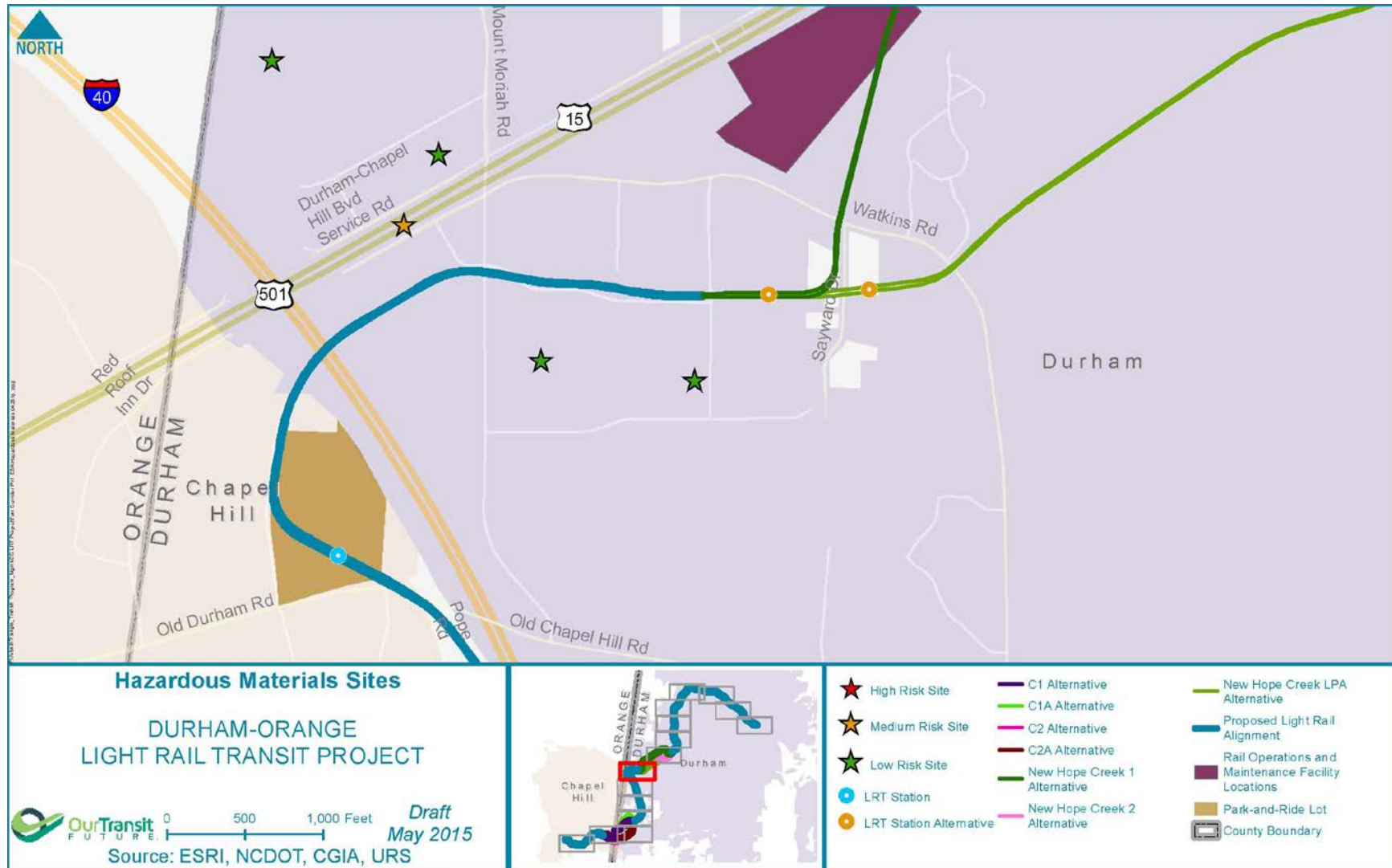


Figure 25: Hazardous Materials Sites

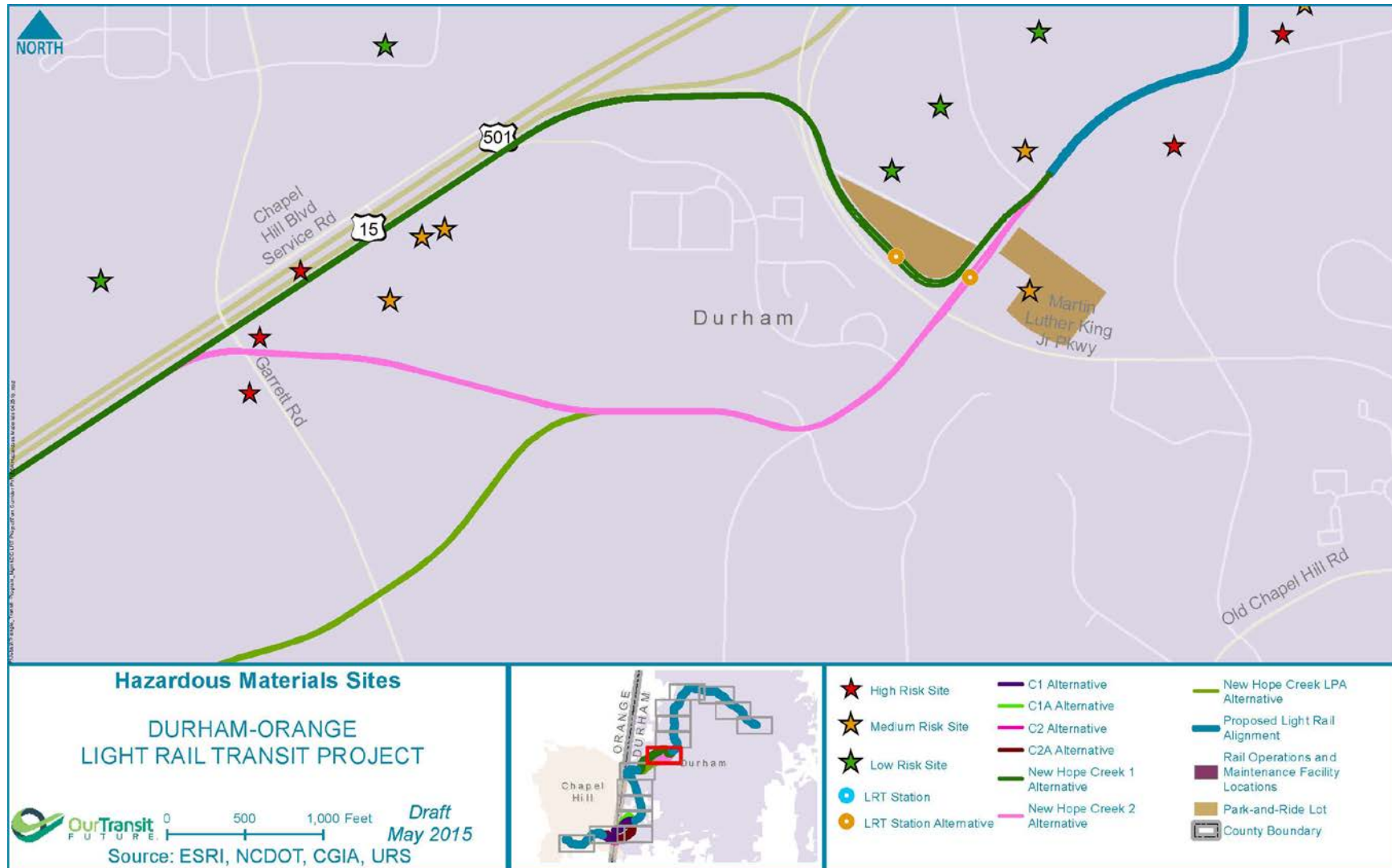




Figure 26: Hazardous Materials Sites

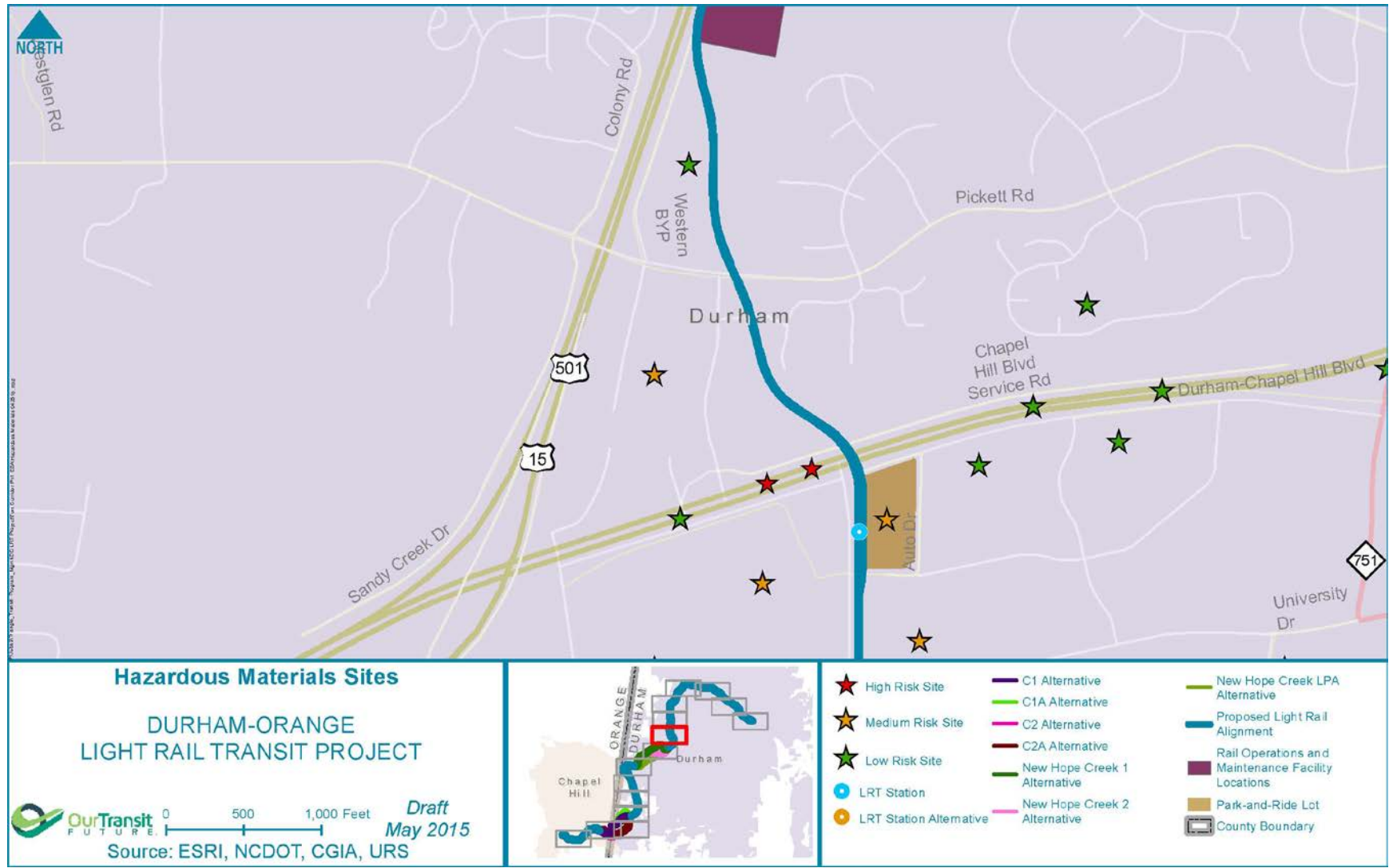


Figure 27: Hazardous Materials Sites

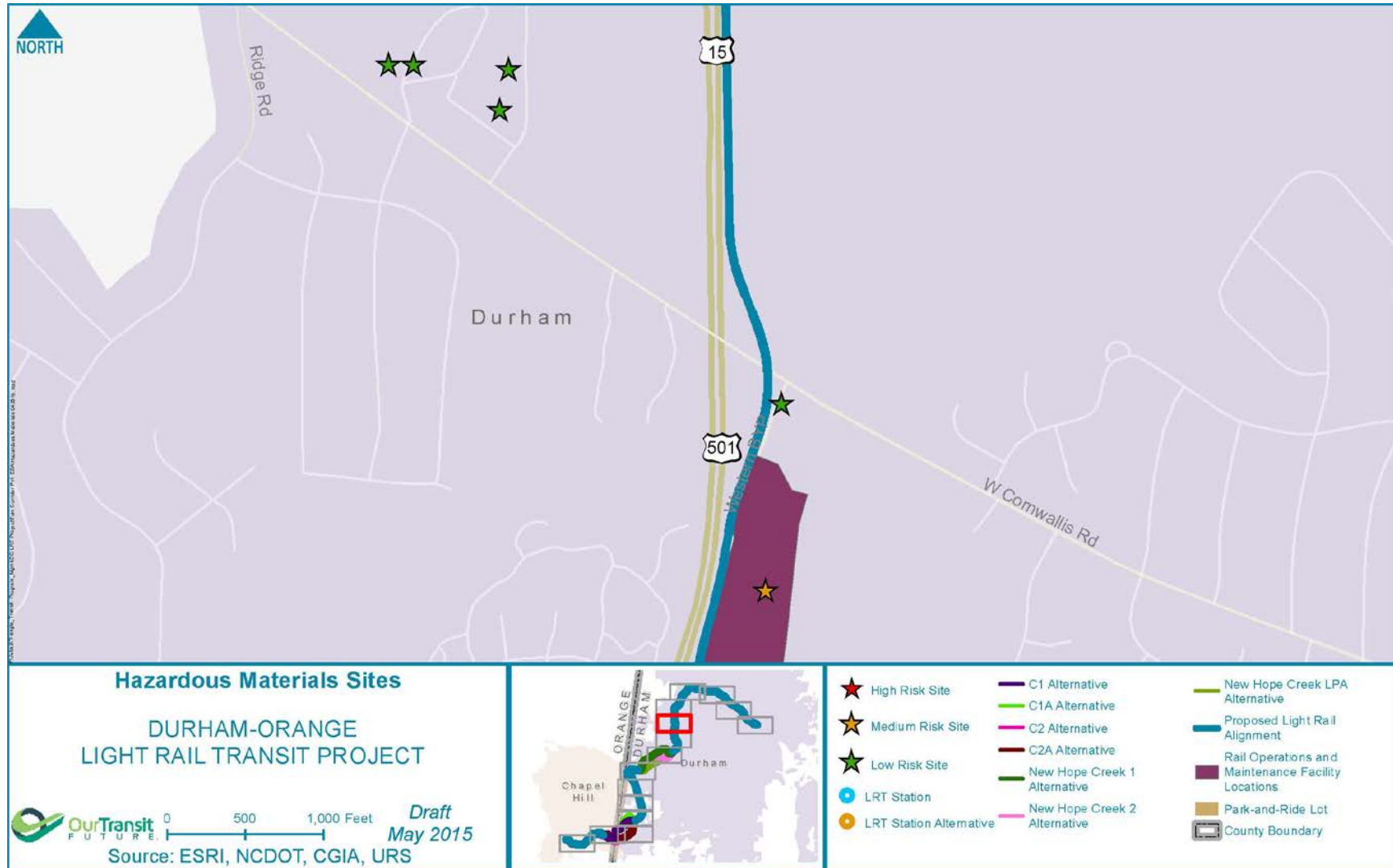


Figure 28: Hazardous Materials Sites

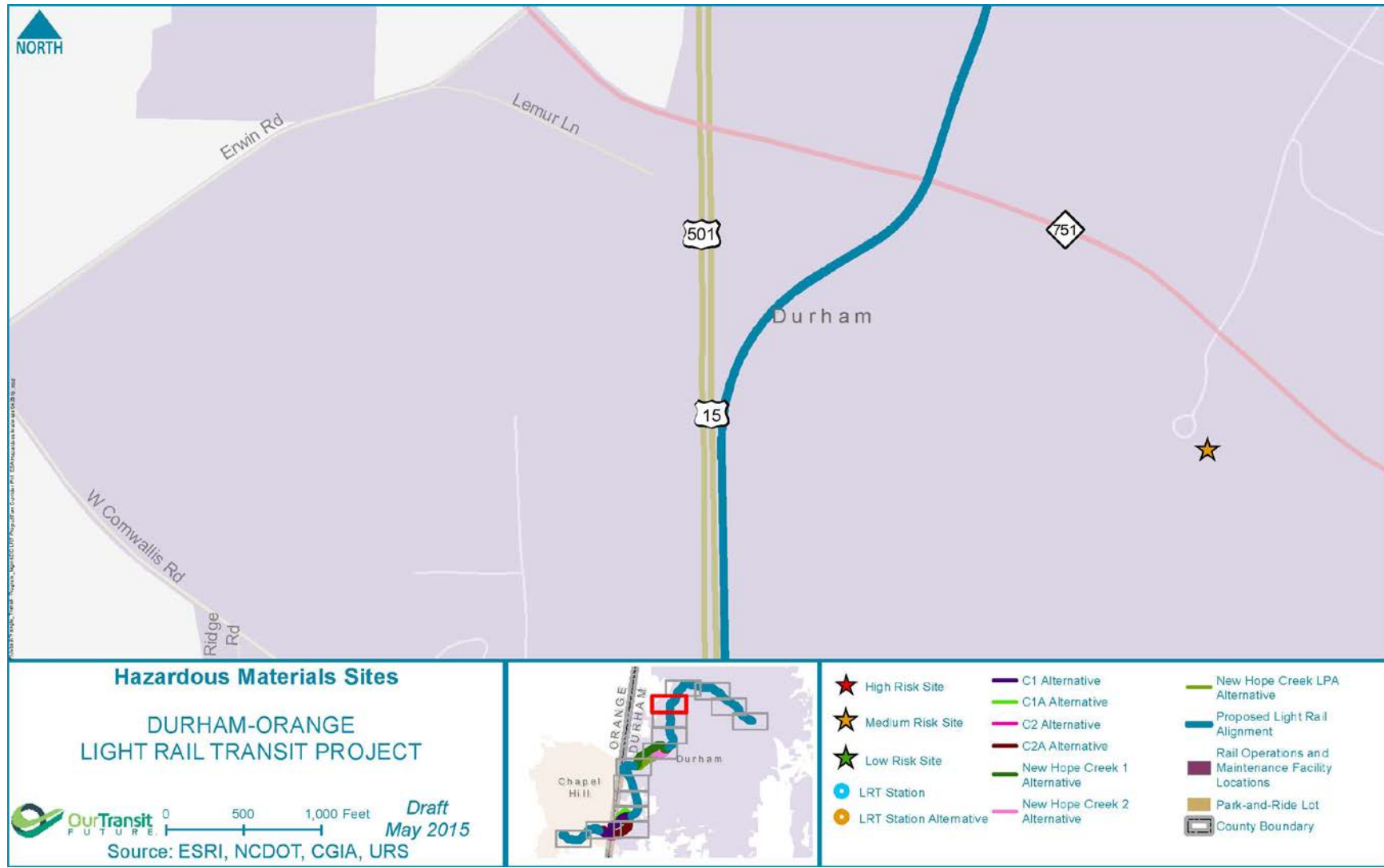


Figure 29: Hazardous Materials Sites

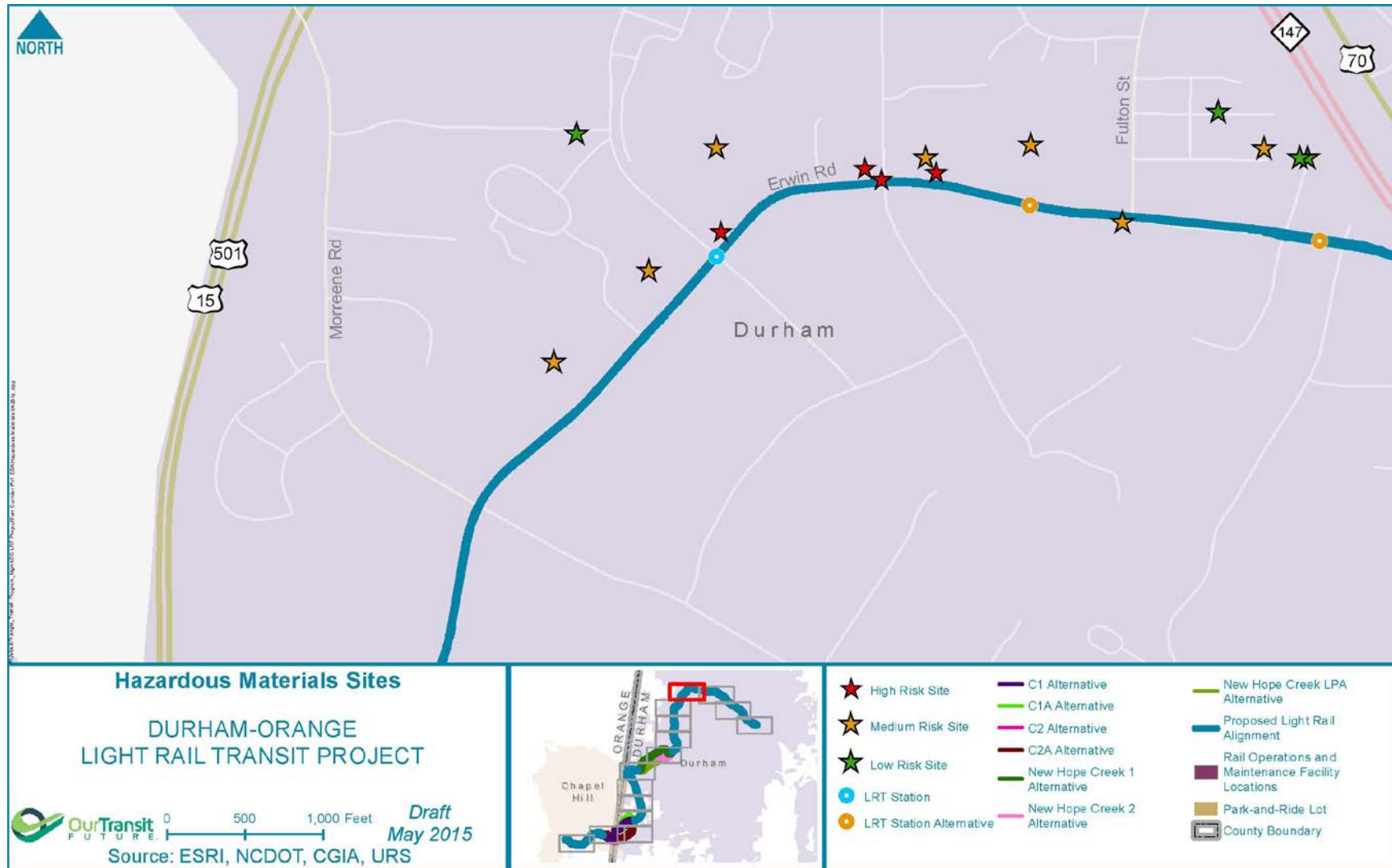


Figure 30: Hazardous Materials Sites

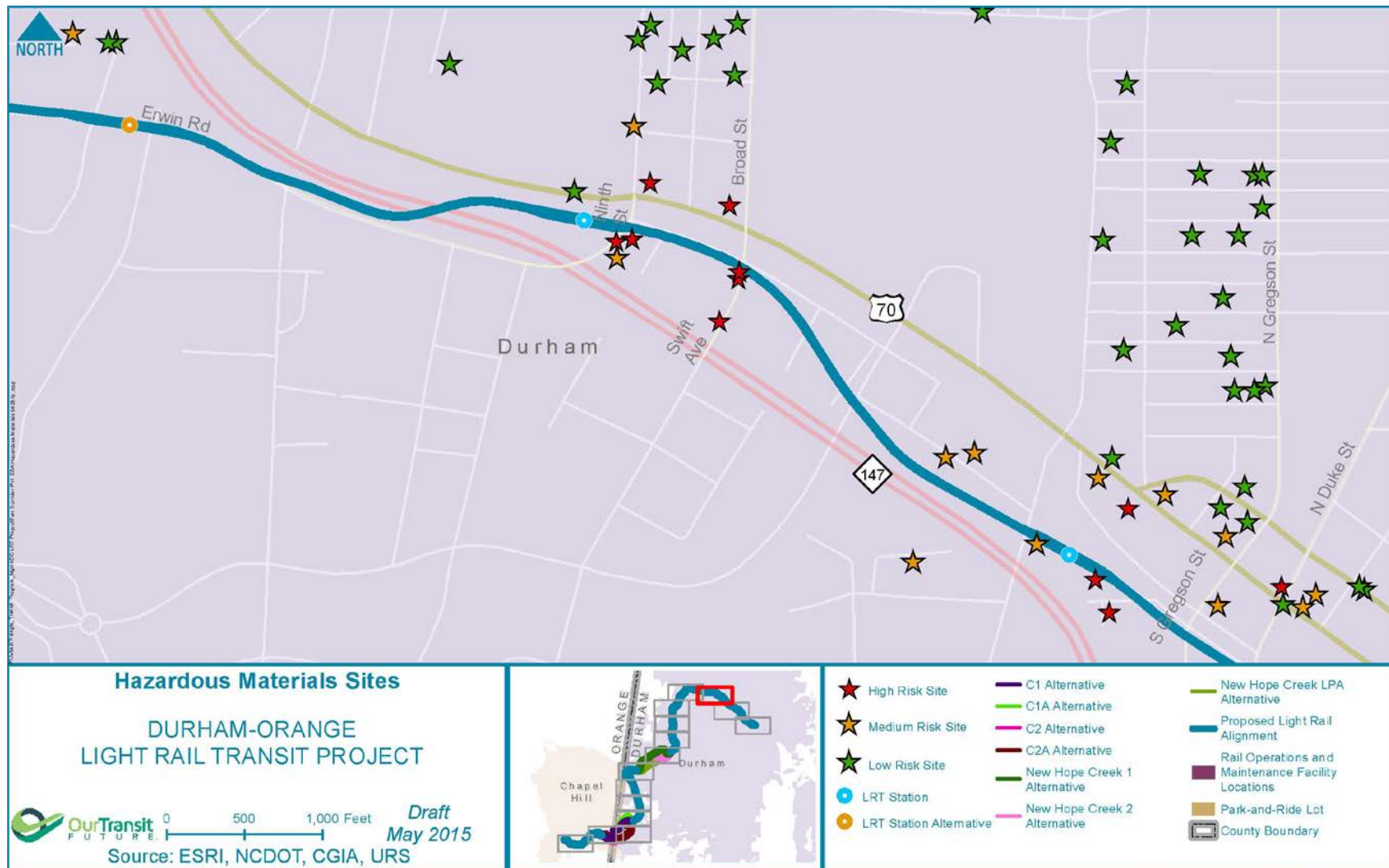


Figure 31: Hazardous Materials Sites

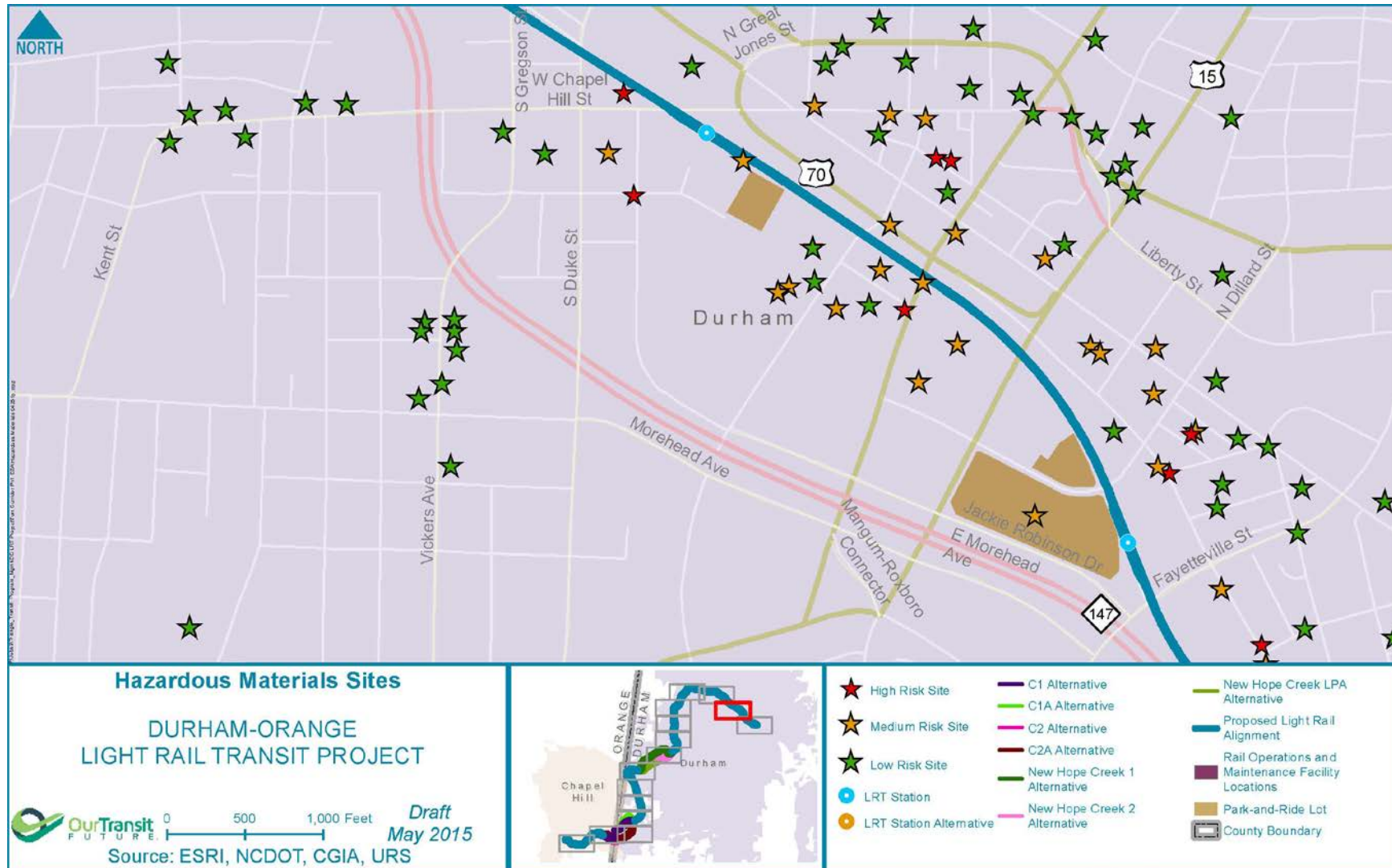


Figure 32: Hazardous Materials Sites

