

CENTRAL BROWARD EAST-WEST TRANSIT STUDY

Preliminary Hazardous Materials Assessment

Technical Memorandum



July 2012



JACOBS

CENTRAL BROWARD



TRANSIT STUDY

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Appendix

Appendix A: Comprehensive Listing of Databases Searched With Full Database Names

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1.0 Preliminary Hazardous Materials Assessment

1.1 Legal and Regulatory Context

At the national level, the Environmental Protection Agency (EPA) oversees control of hazardous materials. The Department of Environmental Protection (DEP) has authority under the EPA over facilities that operate and manage various hazardous waste activities within the state of Florida. Additionally, Broward County has an Environmental Protection and Growth Management Department which provides further regulation and oversight of hazardous materials. The EPA, DEP, and Broward County all maintain databases of hazardous materials and activities to aid in identification, classification, prioritization, cleanup of contaminated facilities, and standard regulation of hazardous waste and petroleum facilities.

1.2 Methodology

Environmental Data Resources (EDR) prepared *Environmental Atlas*, a corridor study report of regulated/hazardous activities, materials, sites, and facilities in the vicinity of the Central Broward Transit Study corridor. Supplemental sources such as the internet, city maps, and city directories were also used to identify hazardous/regulated activities, materials, sites, and facilities located within quarter-mile of the proposed alternatives. Solid waste facilities and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites were identified within one mile of the proposed alternatives. Using the same data, sites within 250 feet on either side of the proposed alternatives which are potentially at “high-risk” of environmental contamination by hazardous substances were also identified. Identification of potentially “high-risk” sites was based on the database type (i.e. documented contamination and/or spills) and did not include a detailed review of individual records to assess current contamination condition.

As the Study alignment has evolved and been modified, this report has been updated and revised to reflect existing conditions. It should be noted that this database search is considered an initial screening assessment to indicate areas of potential concern for further study or precautionary actions, and not a final evaluation of risk. A comprehensive list of databases searched with complete database names is included as Appendix A of this memorandum. Several of the federal, state, and county databases listed in the EDR corridor study report have multiple data records for a single location; this can be due to multiple potential hazardous/regulated activities, materials, or incidents at the same location or due to an overlap in the regulatory criteria and/or agency databases. These limitations should be recognized when consideration is given to various alternatives for future actions.

1.3 Western Segment Preliminary Hazardous Materials Assessment

The database search identified a total of 373 regulated/hazardous activities, materials, sites, and facilities records within quarter-mile of the Western Segment and two solid waste facilities database records within one mile of the segment. Additionally, 126 potentially high-risk sites and reported activity records were further identified within 250 feet of the segment and represent a subset of the total records for the segment. Exhibits 1 through 3 summarize the regulated/hazardous activities, materials sites, and facilities by database and graphically present their spatial locations.

Exhibit 1: Western Segment Regulated/Hazardous Materials and Activities Database

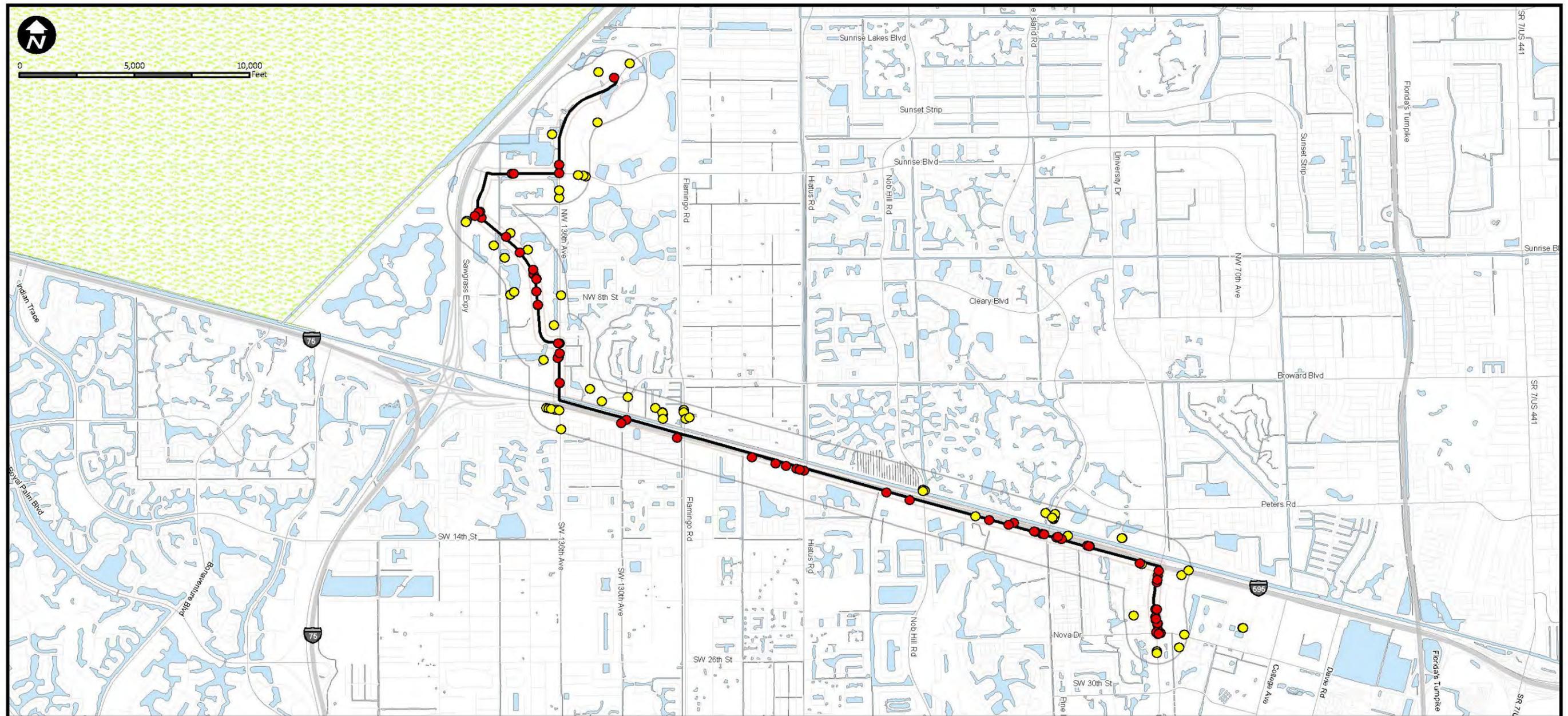
Database	Search Distance	Total Number of Sites and/or Activities
AIRS	Quarter-mile	6
AST	Quarter-mile	27
DRYCLEANERS	Quarter-mile	7
EDIEAR BROWARD	Quarter-mile	12
ENF	Quarter-mile	2
ERNS	Quarter-mile	4
FINANCIAL ASSURANCE 1	Quarter-mile	34
FINDS	Quarter-mile	49
HAZMAT BROWARD	Quarter-mile	105
ICIS	Quarter-mile	2
LAST	Quarter-mile	2
LF	Quarter-mile	2
LUST	Quarter-mile	15
NOV BROWARD	Quarter-mile	2
PRIORITY CLEANERS	Quarter-mile	8
RCRA-CESQG	Quarter-mile	10
RCRA-NLR	Quarter-mile	23
RCRA-SQG	Quarter-mile	11
SPILLS	Quarter-mile	3
SSTS	Quarter-mile	3
TIER 2	Quarter-mile	9
UST	Quarter-mile	32
WW	Quarter-mile	7
	Total	375

Exhibit 2: Western Segment Potentially High-Risk Sites and Reported Activities

Database	Search Distance	Total Number of Sites and/or Activities
DRYCLEANERS	250 Feet	3
EDIEAR BROWARD	250 Feet	10
ENF	250 Feet	1
ERNS	250 Feet	4
FINDS	250 Feet	35
HAZMAT BROWARD	250 Feet	52
LAST	250 Feet	1
LUST	250 Feet	12
NOV BROWARD	250 Feet	2
PRIORITY CLEANERS	250 Feet	5
SPILLS	250 Feet	1
Total		126

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Exhibit 3: Western Segment Regulated/Hazardous Materials and Activities Location Map



Legend

Alignment	Water	Potential Contamination Risk Location	Potential High Contamination Risk Location
Broward County Major Roads	Everglades		
Interstate/Toll Road			
250 Foot Buffer			
Quarter-Mile Buffer			

* Data taken from Environmental Data Resources (EDR), the Florida Geographic Data Library (FGDL), and Quest Ecology.

1.4 Central Griffin Road Segment Preliminary Hazardous Materials Assessment

A total of 622 regulated/hazardous activities, materials, sites, and facilities database records were identified within quarter-mile of the Central Griffin Road Segment. Seven CERCLA and eight solid waste facilities database records were identified within one mile of the segment. Of that total, 184 potentially high-risk sites and reported activities records were identified within 250 feet of the segment. Exhibits 4 through 6 summarize the regulated/hazardous activities, materials sites, and facilities by database and graphically present their spatial locations.

Exhibit 4: Central Griffin Road Segment Regulated/Hazardous Materials and Activities Database

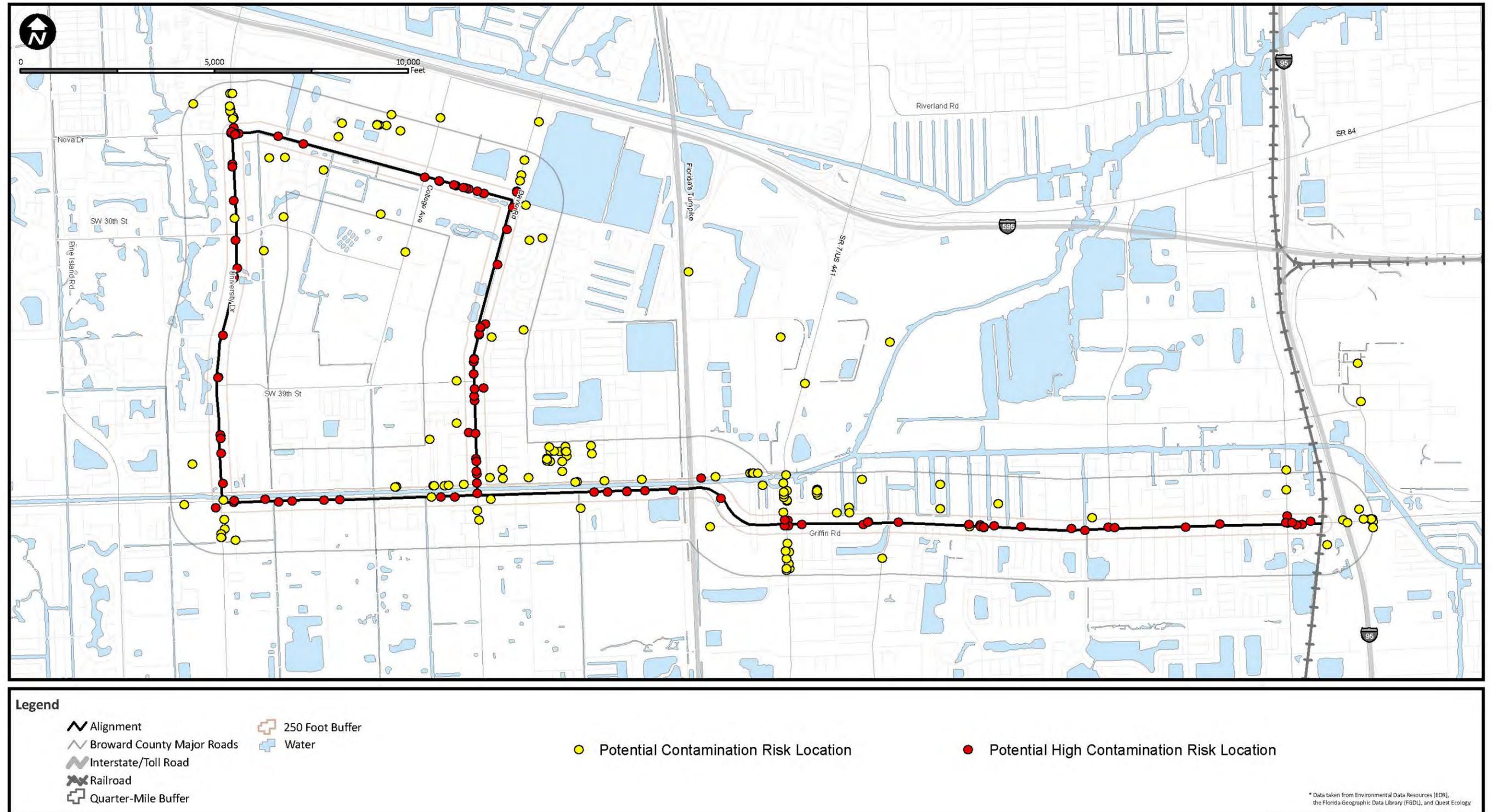
Database	Search Distance	Total Number of Sites and/or Activities
AIRS	Quarter-mile	5
AST	Quarter-mile	22
CERCLIS	Quarter-mile	6
CERCLIS-NFRAP	Quarter-mile	1
DEDB	Quarter-mile	1
DRYCLEANERS	Quarter-mile	4
EDIEAR BROWARD	Quarter-mile	19
ENF	Quarter-mile	1
ERNS	Quarter-mile	28
FINANCIAL ASSURANCE 1	Quarter-mile	45
FINDS	Quarter-mile	103
HAZMAT BROWARD	Quarter-mile	145
HMIRS	Quarter-mile	1
ICIS	Quarter-mile	4
LAST	Quarter-mile	3
LF	Quarter-mile	8
LUST	Quarter-mile	40
NOV BROWARD	Quarter-mile	9
PRIORITY CLEANERS	Quarter-mile	4
PRP	Quarter-mile	1
RCRA-CESQG	Quarter-mile	30
RCRA-LQG	Quarter-mile	1
RCRA-NLR	Quarter-mile	35
RCRA-SQG	Quarter-mile	12

Database	Search Distance	Total Number of Sites and/or Activities
SPILLS	Quarter-mile	12
SSTS	Quarter-mile	1
SWRCY	Quarter-mile	1
TIER 2	Quarter-mile	12
UST	Quarter-mile	70
WW	Quarter-mile	13
Total		637

Exhibit 5: Central Griffin Road Segment Potentially High-Risk Sites and Reported Activities

Database	Search Distance	Total Number of Sites and/or Activities
CERCLIS	250 Feet	1
DEDB	250 Feet	1
DRYCLEANERS	250 Feet	1
EDIEAR BROWARD	250 Feet	13
ERNS	250 Feet	12
FINDS	250 Feet	49
HAZMAT BROWARD	250 Feet	58
LAST	250 Feet	2
LUST	250 Feet	33
NOV BROWARD	250 Feet	7
PRIORITY CLEANERS	250 Feet	1
SPILLS	250 Feet	6
Total		184

Exhibit 6: Central Griffin Road Segment Regulated/Hazardous Materials and Activities Location Map



1.5 Central SR 7/Broward Boulevard Segment Preliminary Hazardous Materials Assessment

A total of 638 regulated/hazardous activities, materials, sites and facilities database records were identified within quarter-mile of the Central SR 7/Broward Boulevard Segment. Eight CERCLA and 16 solid waste facilities database records were identified within one mile of the segment. Of this total, 232 potentially high-risk sites and reported activity records were identified within 250 feet of the segment. Exhibits 7 through 9 summarize the regulated/hazardous activities, materials sites, and facilities by database and graphically present their spatial locations.

Exhibit 7: Central SR 7/Broward Boulevard Segment Regulated/Hazardous Materials and Activities Database

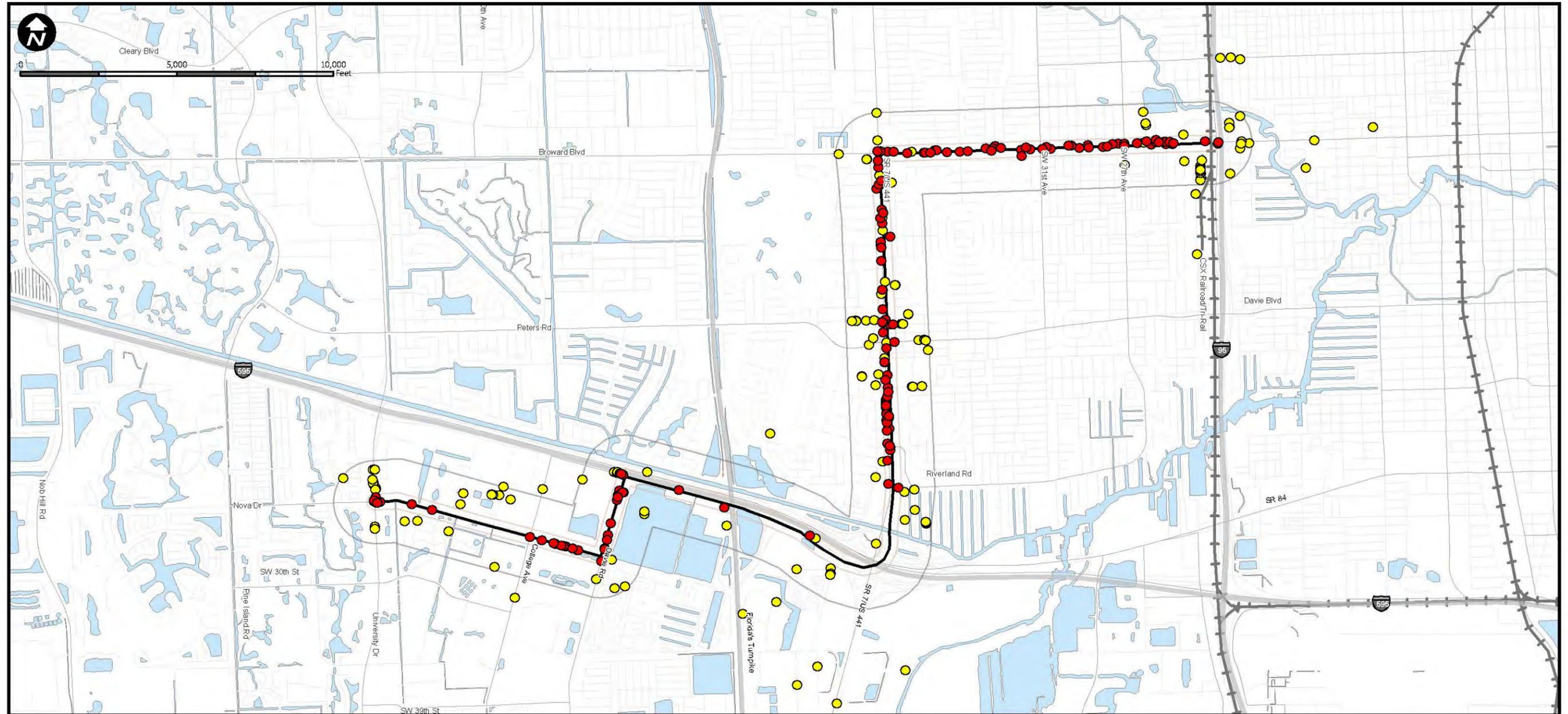
Database	Search Distance	Total Number of Sites and/or Activities
AIRS	Quarter-mile	7
AST	Quarter-mile	23
CERCLIS	Quarter-mile	8
DRYCLEANERS	Quarter-mile	8
EDIEAR BROWARD	Quarter-mile	19
ERNS	Quarter-mile	21
FINANCIAL ASSURANCE 1	Quarter-mile	39
FINDS	Quarter-mile	93
HAZMAT BROWARD	Quarter-mile	173
HMIRS	Quarter-mile	2
ICIS	Quarter-mile	2
LAST	Quarter-mile	2
LF	Quarter-mile	16
LUST	Quarter-mile	42
INES	Quarter-mile	3
NOV BROWARD	Quarter-mile	11
PRIORITY CLEANERS	Quarter-mile	6
PRP	Quarter-mile	1
RCRA-CESQG	Quarter-mile	20
RCRA-NLR	Quarter-mile	33
RCRA-SQG	Quarter-mile	26
SPILLS	Quarter-mile	8
SSTS	Quarter-mile	1

Database	Search Distance	Total Number of Sites and/or Activities
SWRCY	Quarter-mile	1
TIER 2	Quarter-mile	12
UST	Quarter-mile	76
WW	Quarter-mile	9
Total		662

Exhibit 8: Central SR 7/Broward Boulevard Segment Potentially High-Risk Sites and Reported Activities

Database	Search Distance	Total Number of Sites and/or Activities
CERCLIS	250 Feet	2
DRYCLEANERS	250 Feet	3
EDIAR BROWARD	250 Feet	17
ERNS	250 Feet	9
FINDS	250 Feet	49
HAZMAT BROWARD	250 Feet	106
HMIRS	250 Feet	1
LAST	250 Feet	1
LUST	250 Feet	31
NOV BROWARD	250 Feet	5
PRIORITY CLEANERS	250 Feet	3
SPIILLS	250 Feet	5
Total		232

Exhibit 9: Central SR 7/Broward Boulevard Segment Regulated/Hazardous Materials Assessment Map



Legend

Alignment	250 Foot Buffer	Potential Contamination Risk Location	Potential High Contamination Risk Location
Broward County Major Roads	Water		
Interstate/Toll Road			
Railroad			
Quarter-Mile Buffer			

* Data taken from Environmental Data Resources (EDR), the Florida Geographic Data Library (FGDL), and Quest Ecology.

1.6 Eastern Segment Preliminary Hazardous Materials Assessment

A total of 1,473 regulated/hazardous activities, materials, sites, and facilities database records were identified within quarter-mile of the Eastern Segment. Fourteen CERCLA and 13 solid waste facilities database records were identified within one mile of the segment. Of that total, 298 potentially high-risk sites and reported activities records were identified within 250 feet of the segment. Exhibits 10 through 12 summarize the regulated/hazardous activities, materials sites, and facilities by database and graphically present their spatial locations.

Exhibit 10: Eastern Segment Regulated/Hazardous Materials and Activities Database

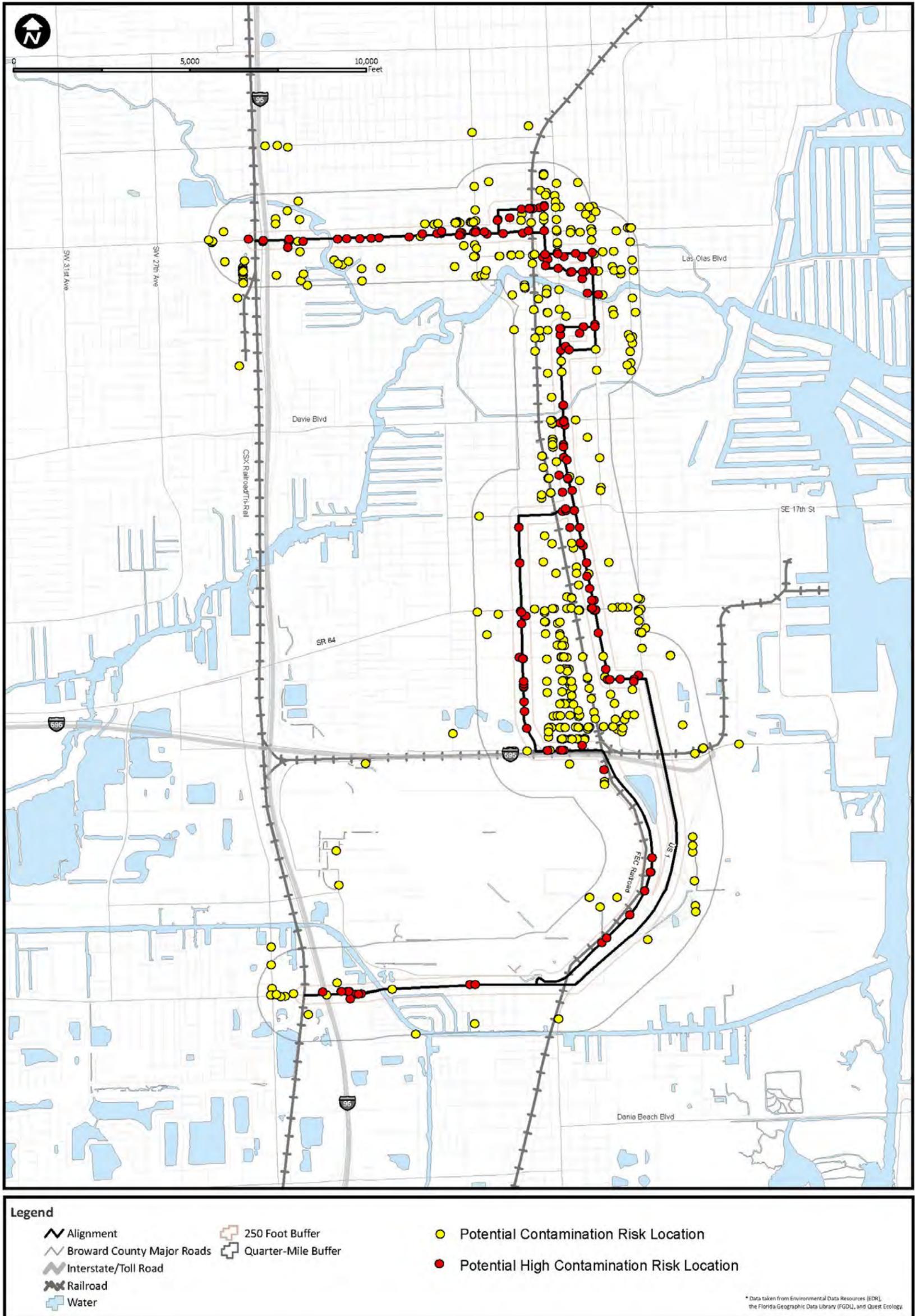
Database	Search Distance	Total Number of Sites and/or Activities
AIRS	Quarter-mile	8
AST	Quarter-mile	80
CERCLIS	Quarter-mile	9
CERCLIS-NFRAP	Quarter-mile	5
DRYCLEANERS	Quarter-mile	1
EDIEAR BROWARD	Quarter-mile	41
EDR MGP	Quarter-mile	1
ENF	Quarter-mile	1
ENG CONTROLS	Quarter-mile	1
ERNS	Quarter-mile	31
FF TANKS	Quarter-mile	3
FINANCIAL ASSURANCE 1	Quarter-mile	100
FINDS	Quarter-mile	234
FTTS	Quarter-mile	4
HAZMAT BROWARD	Quarter-mile	369
HIST FTTS	Quarter-mile	5
HMIRS	Quarter-mile	4
ICIS	Quarter-mile	6
INST CONTROL	Quarter-mile	2
LAST	Quarter-mile	8
LF	Quarter-mile	13
LUST	Quarter-mile	89
NOV BROWARD	Quarter-mile	11
PRP	Quarter-mile	1
RCRA-CESQG	Quarter-mile	75

Database	Search Distance	Total Number of Sites and/or Activities
RCRA-LQG	Quarter-mile	1
RCRA-NLR	Quarter-mile	57
RCRA-SQG	Quarter-mile	44
SITES LIST	Quarter-mile	1
SPILLS	Quarter-mile	16
SSTS	Quarter-mile	2
TIER 2	Quarter-mile	47
TRIS	Quarter-mile	1
UIC	Quarter-mile	3
UST	Quarter-mile	195
WW	Quarter-mile	31
Total		1500

Exhibit 11: Eastern Segment Potentially High-Risk Sites and Reported Activities

Database	Search Distance	Total Number of Sites and/or Activities
CERCLIS	250 Feet	3
EDIAR BROWARD	250 Feet	20
ERNS	250 Feet	10
FINDS	250 Feet	92
FTTS	250 Feet	4
HAZMAT BROWARD	250 Feet	111
HIST FTTS	250 Feet	5
HMIRS	250 Feet	3
LAST	250 Feet	4
LUST	250 Feet	38
NOV BROWARD	250 Feet	1
SPILLS	250 Feet	4
Total		298

Exhibit 12: Eastern Segment Regulated/Hazardous Materials and Activities Location Map



2.0 Next Steps

As previously stated, this technical memorandum and database search should be considered an initial screening assessment to indicate areas of potential concern for further study or precautionary actions, and is not a final evaluation of risk. After the selection of a Locally Preferred Alternative (LPA), an assessment of several factors (such as mode of transportation in specific areas and more in-depth existing conditions) will be required in order to determine the proper method of screening for potentially hazardous sites and activities that need to be taken into consideration. These database search results do not necessarily reflect the amount of or specific sites of concern that would be examined for further environmental impacts in the future pending an LPA selection. A more detailed study of a selected alternative for impacts or precautionary actions may reveal only some of these potential high-risk sites, or possibly sites and activities that are not listed in this report.