



ENGINEERING ASSOCIATES, INC.

GPR Line Scan

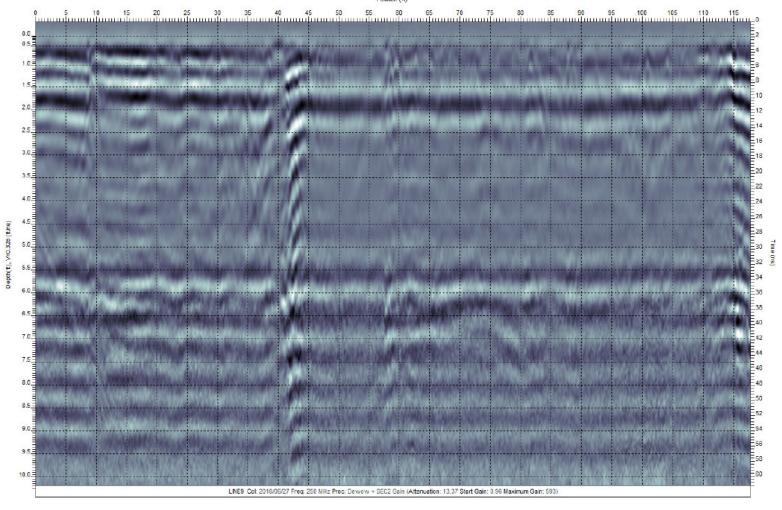
St. Elizabeth's Geophysical Testing Washington, DC.

10228 Governor Lane Boulevard

Williamsport, Maryland

Local 301-582-4662







ENGINEERING ASSOCIATES, INC.

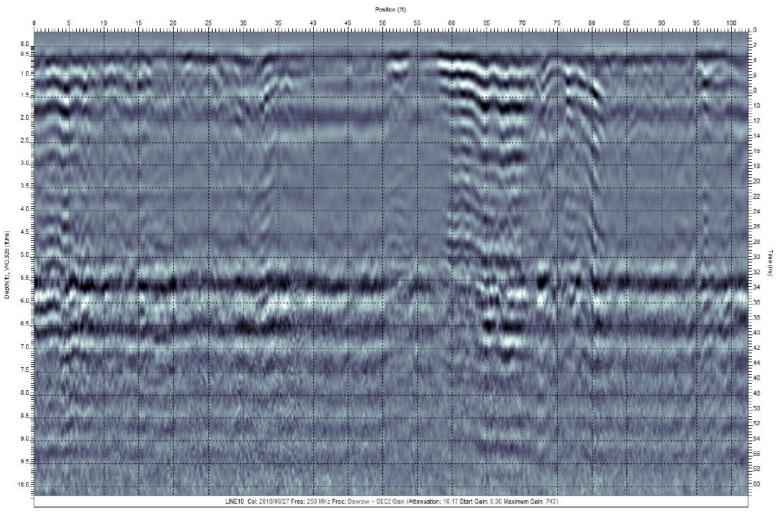
GPR Line Scan

St. Elizabeth's Geophysical Testing Washington, DC.

10228 Governor Lane Boulevard

Williamsport, Maryland

Local 301-582-4662





ENGINEERING ASSOCIATES, INC.

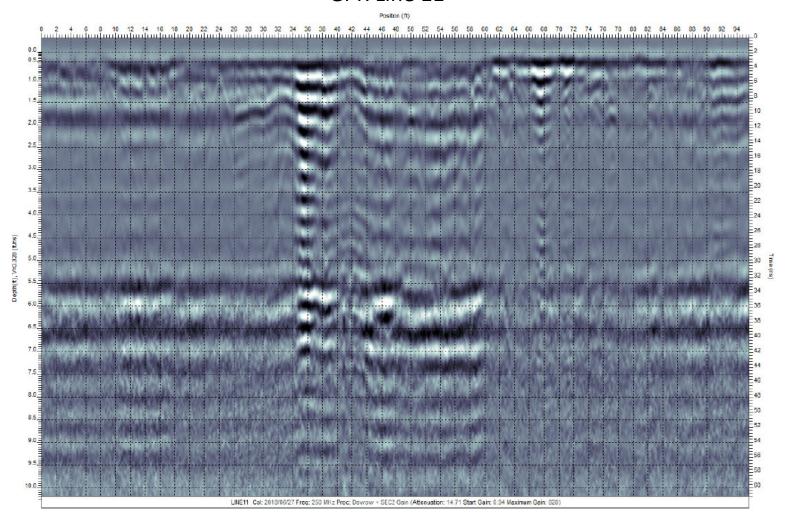
GPR Line Scan

St. Elizabeth's Geophysical Testing Washington, DC.

10228 Governor Lane Boulevard

Williamsport, Maryland

Local 301-582-4662





ENGINEERING ASSOCIATES, INC.

GPR Line Scan

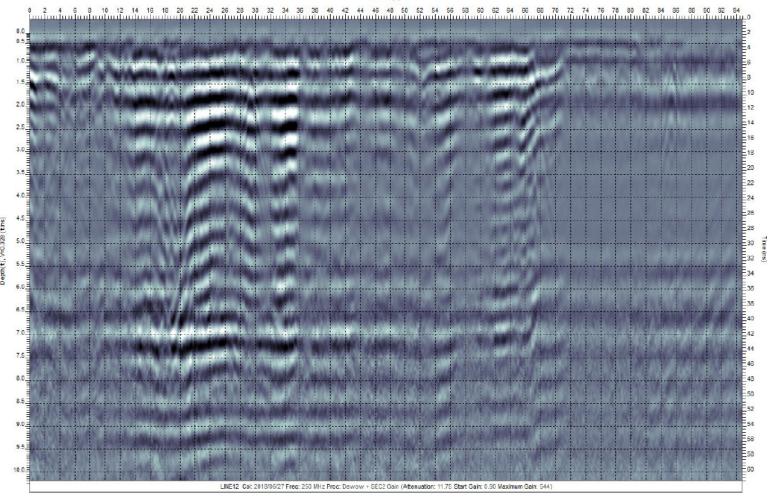
St. Elizabeth's Geophysical Testing Washington, DC.

10228 Governor Lane Boulevard

Williamsport, Maryland

Local 301-582-4662







ENGINEERING ASSOCIATES, INC.

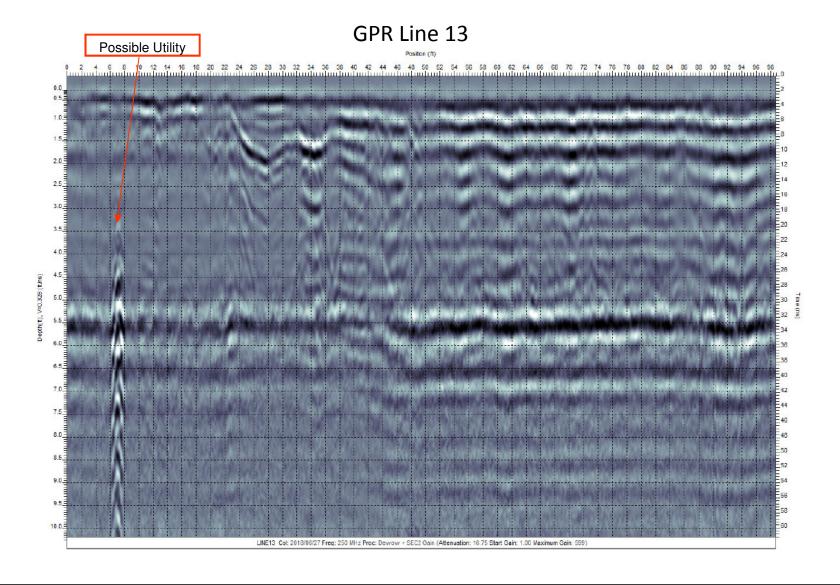
GPR Line Scan

St. Elizabeth's Geophysical Testing Washington, DC.

10228 Governor Lane Boulevard

Williamsport, Maryland

Local 301-582-4662





ENGINEERING ASSOCIATES, INC.

GPR Line Scan

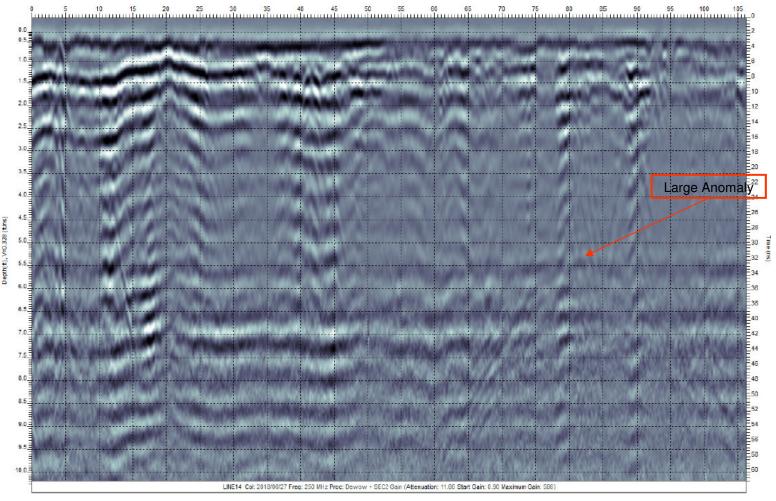
St. Elizabeth's Geophysical Testing Washington, DC.

10228 Governor Lane Boulevard

Williamsport, Maryland

Local 301-582-4662







ENGINEERING ASSOCIATES, INC.

GPR Line Scan

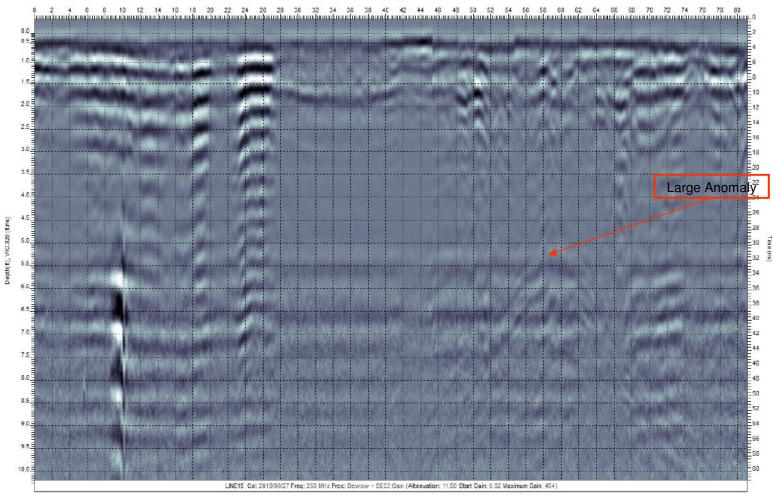
St. Elizabeth's Geophysical Testing Washington, DC.

10228 Governor Lane Boulevard

Williamsport, Maryland

Local 301-582-4662







ENGINEERING ASSOCIATES, INC.

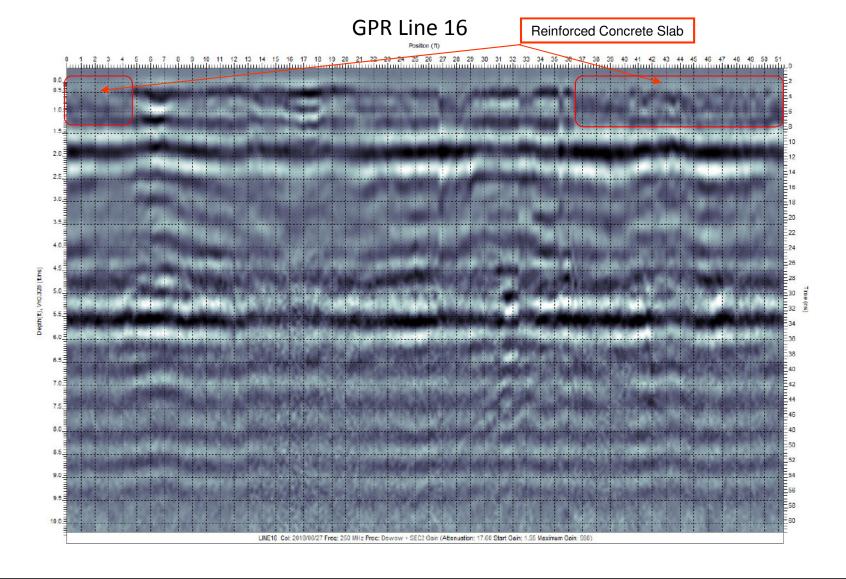
GPR Line Scan

St. Elizabeth's Geophysical Testing Washington, DC.

10228 Governor Lane Boulevard

Williamsport, Maryland

Local 301-582-4662





ENGINEERING ASSOCIATES, INC.

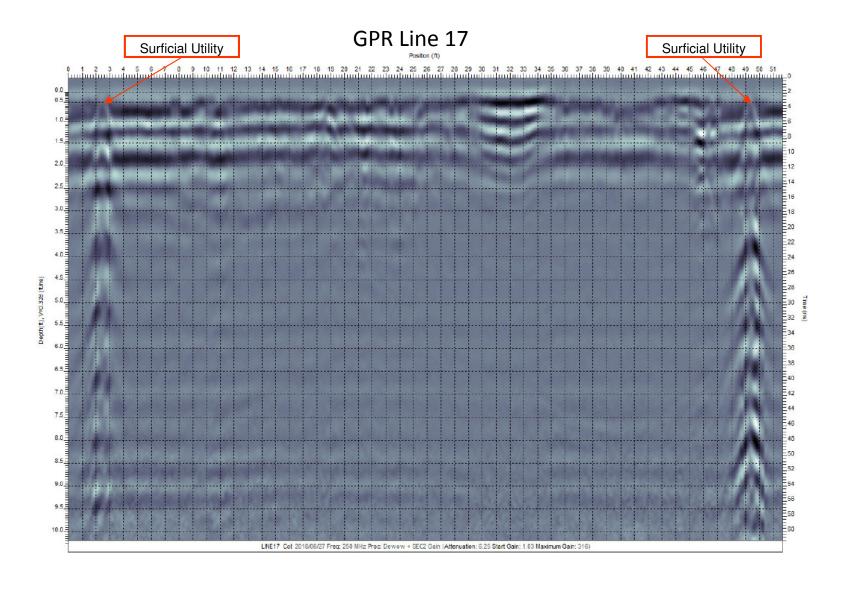
GPR Line Scan

St. Elizabeth's Geophysical Testing Washington, DC.

10228 Governor Lane Boulevard

Williamsport, Maryland

Local 301-582-4662





ENGINEERING ASSOCIATES, INC.

GPR Line Scan

St. Elizabeth's Geophysical Testing Washington, DC.

10228 Governor Lane Boulevard

Williamsport, Maryland

Local 301-582-4662

Chemical of Concern & GroupEPA Region ResidentialTotal Priority Pollutant Metals (mg/Kg)31.00Antimony31.00Arsenic0.68Beryllium570.00Cadmium71.00Chromium0.3/120000	470.00 3.00 7,400.00 980.00 0 6.3/1800000	ND 0.42 1.05 ND	P-3 (5-10 feet bgs) 1.29 3.73 0.353	P-4 (5-20 feet bgs) 4.25 4.2	P-5 (10-15 feet bgs) ND 2.54	P-6 (15-20 feet bgs)	P-7 (5-10 feet bgs)
Total Priority Pollutant Metals (mg/Kg) Antimony 31.00 Arsenic 0.68 Beryllium 570.00 Cadmium 71.00	470.00 3.00 7,400.00 980.00 0 6.3/1800000	ND 0.42 1.05	1.29 3.73 0.353	(5-20 feet bgs) 4.25 4.2	(10-15 feet bgs)	(15-20 feet bgs)	(5-10 feet bgs)
(mg/Kg) Antimony 31.00 Arsenic 0.68 Beryllium 570.00 Cadmium 71.00	3.00 7,400.00 980.00 0 6.3/1800000	ND 0.42 1.05	1.29 3.73 0.353	4.25 4.2	bgs)	bgs) ND	
(mg/Kg) Antimony 31.00 Arsenic 0.68 Beryllium 570.00 Cadmium 71.00	3.00 7,400.00 980.00 0 6.3/1800000	0.42 1.05	3.73 0.353	4.2			ND
Antimony 31.00 Arsenic 0.68 Beryllium 570.00 Cadmium 71.00	3.00 7,400.00 980.00 0 6.3/1800000	0.42 1.05	3.73 0.353	4.2			ND
Arsenic 0.68 Beryllium 570.00 Cadmium 71.00	3.00 7,400.00 980.00 0 6.3/1800000	0.42 1.05	3.73 0.353	4.2			ND
Beryllium 570.00 Cadmium 71.00	7,400.00 980.00 0 6.3/1800000	1.05	0.353		2.54		
Cadmium 71.00	980.00 0 6.3/1800000					3.13	2.19
	6.3/1800000	ND		0.285	ND	ND	ND
Chromium 0.3/120000	The state of the s		3.05	5.61	ND	ND	ND
	t/Total) (hexavalent/Total)		,		, -	, .	, .
(hexavalen	., ,	4.340 /25.4	ND/171	ND/30.2	ND/16	ND/19.4	ND/14.3
Copper 3,300.00	47,000.00	19.6	183	170	5.13	8.44	3.36
Lead 400.00	800.00	8.43	103	550	5.96	3.83	5.58
Mercury 11.00	46.00	ND	0.473	0.306	ND	ND	ND
Nickel 820.00	11,000.00	5.1	401	28	2.33	5.73	1.88
Selenium 390.00	5,800.00	0.954	1.69	0.878	0.426	ND	0.505
Silver 390.00	5,800.00	ND	23.5	1.14	ND	ND	ND
Thallium 0.78	12.00	ND	ND	ND	ND	ND	ND
Zinc 23,000.00	350,000.00	8.13	439	693	15.4	16	3.88
TCLP Metals (mg/L)							
Barium 100.000	NA/NP	ND	0.731	ND	ND	ND	ND
Lead 5.000	NA/NP	ND	1.46	ND	ND	ND	ND
Petroleum Hydrocarbons							
(mg/Kg)							
TPH-GRO 100.000	NA/NP	ND	ND	ND	ND	ND	ND
THP-DRO 100.000	NA/NP	ND	101	1390	ND	ND	ND
Total Semi-Volatile Organic							
Compounds (mg/Kg)							
Bis(2-ethylhexyl) phthalate 39.000	160.000	ND	0.321	ND	ND	ND	ND
TCLP Semi-Volatile Organic							
Compounds (mg/L)							
All NA/NP	NA/NP	ND	ND	ND	ND	ND	ND
Total Cyanide (mg/Kg)							
Cyanide 23.000	150.000	ND	ND	ND	ND	0.420	ND

Soil Laboratory Results Table For St. Elizebeth 801 Shelter								
Chemical of Concern & Group	EPA Regional Screening	DC Tier 0 / EPA Regional	<u>P-2</u>	<u>P-3</u>	<u>P-4</u>	<u>P-5</u>	<u>P-6</u>	<u>P-7</u>
	<u>Residential</u>	Screening Industrial	<u>(15-20 feet</u>	<u>(5-10 feet</u>	<u>(5-20 feet</u>	(10-15 feet	(15-20 feet	(5-10 feet
			<u>bgs)</u>	<u>bgs)</u>	<u>bgs)</u>	<u>bgs)</u>	<u>bgs)</u>	<u>bgs)</u>
Total Volatile Organic								
Compounds (mg/Kg)								
All	NA/NP	NA/NP	ND	ND	ND	ND	ND	ND
TCLP Volatile Organic								
Compounds (mg/L)								
All	NA/NP	NA/NP	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls								
(mg/Kg)								
All	NA/NP	NA/NP	ND	ND	ND	ND	ND	ND
TCLP Pesticides (mg/L)								
All	NA/NP	NA/NP	ND	ND	ND	ND	ND	ND
TCLP Herbicides (mg/L)								
All	NA/NP	NA/NP	ND	ND	ND	ND	ND	ND
Dioxins (pg/g)								
123478-HxCDD	100	470	ND	27	14	ND	ND	ND
123678-HxCDD	100	470	ND	47	25	ND	ND	ND
123789-HxCDD	100	470	ND	36	21	ND	ND	ND
1234678-HpCDD	No Standard	No Standard	ND	390	230	5.6	ND	9.2
12378-PeCDD	No Standard	No Standard	ND	29	12	ND	ND	ND
2378-TCDD	4.8	22.0	ND	14	4.5	ND	ND	ND
OCDD	No Standard	No Standard	570	1,300	1,200	740	3,500	930
Total TCDD	No Standard	No Standard	ND	220	77	ND	ND	ND
Total PeCDD	No Standard	No Standard	ND	300	140	ND	ND	ND
Total HxCDD	100	470	ND	510	260	19	ND	ND
Total HpCDD	No Standard	No Standard	ND	750	420	39	30	19
Furans (pg/g)								
2378-TCDF	73,000,000	1,000,000,000	ND	15	ND	ND	ND	ND
12378-PeCDF	73,000,000	1,000,000,000	ND	21	9.7	ND	ND	ND
23478-PeCDF	73,000,000	1,000,000,000	ND	30	16	ND	ND	ND
123478-HxCDF	73,000,000	1,000,000,000	ND	20	ND	ND	ND	ND
123678-HxCDF	73,000,000	1,000,000,000	ND	32	18	ND	ND	ND

Soil Laboratory Results Table For St. Elizebeth 801 Shelter								
Chemical of Concern & Group	EPA Regional Screening	DC Tier 0 / EPA Regional	<u>P-2</u>	<u>P-3</u>	<u>P-4</u>	<u>P-5</u>	<u>P-6</u>	<u>P-7</u>
	Residential	Screening Industrial	(15-20 feet	<u>(5-10 feet</u>	(5-20 feet	(10-15 feet	(15-20 feet	(5-10 feet
			<u>bgs)</u>	<u>bgs)</u>	<u>bgs)</u>	<u>bgs)</u>	<u>bgs)</u>	<u>bgs)</u>
234678-HxCDF	73,000,000	1,000,000,000	ND	50	31	ND	ND	ND
123789-HxCDF	73,000,000	1,000,000,000	ND	19	6.4	ND	ND	ND
1234678-HpCDF	73,000,000	1,000,000,000	ND	190	93	ND	ND	ND
1234789-HpCDF	73,000,000	1,000,000,000	ND	21	12	ND	ND	ND
OCDF	73,000,000	1,000,000,000	ND	110	65	ND	ND	ND
Total TCDF	73,000,000	1,000,000,000	ND	370	120	ND	ND	ND
Total PeCDF	73,000,000	1,000,000,000	ND	360	170	ND	ND	ND
Total HxCDF	73,000,000	1,000,000,000	ND	310	160	ND	ND	ND
Total HpCDF	73,000,000	1,000,000,000	ND	260	160	ND	ND	ND

Sample results which exceeded residential standards are bolded.

Notes:

ND = Non Detect
NA/NP = Not applicable/not provided
mg/Kg = milligrams per kilogram
mg/L = milligrams per liter
pg/g - picograms per gram



Phase I Environmental Site Assessment St. Elizabeth's 801 Shelter Relocation Project Sycamore Street, SE - Washington, DC 20032 Hillis-Carnes Project No. 18344BA

Submitted To:

Mr. Richard Staudinger Jacobs 901 New York Avenue NW Washington, DC 20001

Prepared By:

Hillis-Carnes Engineering Associates, Inc. 10975 Guilford Road, Suite A Annapolis Junction, Maryland 20701

October 15, 2018

HILLIS-CARNES

CAPITOL SERVICES

October 15, 2018

RE:

Mr. Richard Staudinger Jacobs 901 New York Avenue NW Washington, DC 20001

Phase I Environmental Site Assessment

St. Elizabeth's 801 Shelter Relocation Project Sycamore Street, SE - Washington, DC 20032

Project No. 18344B

Dear Mr. Staudinger:

1414 North Capitol Street NW Washington, DC 20002 Phone (202) 791-3788 Fax (202) 379-7784 www.hilliscarnesdc.com

DC CBE #LZ59057062019

Hillis-Carnes Capitol Services, PLLC appreciates the opportunity to provide our services on this project. Attached is a report of our findings from our Phase I Environmental Site Assessment of the above-referenced property, hereafter referred to as the "Site". This Phase I ESA was conducted in general conformance with the "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", as defined by the American Society for Testing and Materials (ASTM) in ASTM Designation E1527-13.

I, Gina L. Galimberti, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the Site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Should you have any questions or concerns, please do not hesitate to call us at 410-880-4788.

Sincerely,

HILLIS-CARNES ENGINEERING ASSOCIATES, INC.

Sean Harkins

Environmental Scientist sharkins@hcea.com

Gina L. Galimberti, REM

Assistant Vice President, Environmental Services Manager

ggalimberti@hcea.com

TABLE OF CONTENTS

1.0	SUMMARY	1
2.0	INTRODUCTION	2
2.1	Purpose and Definitions	3
2.2	Detailed Scope-of-work	4
2	2.2.1 Site Reconnaissance/Site Visit	4
2	2.2.2 Area Reconnaissance	4
	2.2.3 Records Review	
2	2.2.4 Review of Historical Records and Other Site-Related Documents	5
	2.2.5 Interviews	
2	2.2.6 Evaluation and Report Preparation	5
2.3	Significant Assumptions	6
2.4	Data Gaps	6
2.5	Limitations and Exceptions	7
2.6	Special Terms and Conditions/Reliance	8
3.0	DESCRIPTION OF SITE AND VICINITY	9
3.1	Site Location and Identification	9
3.2	General Current Uses and Characteristics of Site	9
3.3	Proposed Future Use of Site	9
3.4	Current Uses of Adjoining Properties and Surrounding Properties	9
4.0	INFORMATION PROVIDED BY CLIENT/USER	. 11
4.1	Recorded Environmental Liens or Activity and Use Limitations	. 11
4.2	Additional Information Obtained from the Client/User	. 12
5.0	RECORDS REVIEW	. 13
5.1	Standard Environmental Record Sources – Regulatory Agency Databases	. 13
5.2	Standard Environmental Record Sources – Agency Inquiries	. 17
5.3	Physical Setting Sources	. 17
5.4	Historical Use Information	. 18
	i.4.1 Aerial Photographs	
5	i.4.2 Sanborn Maps	. 18
5	5.4.3 City Directories	. 19
5	i.4.4 Interviews	
5	i.4.5 Historical Topographic Maps	. 19
5	i.4.6 Historical Ownership	
5	5.4.7 Prior Environmental Reports	
	i.4.8 Other Historical Sources	
5	5.4.9 Summary of Information Obtained from Historical Sources	. 21
6.0	SITE RECONNAISSANCE/SITE VISIT	
6.1	Methodology and Limiting Conditions	. 22
6.2	()	
6.3		. 22
6.4	Additional Site Observations	
7.0	INTERVIEWS	
7.1	Interview with Client/User	_
7.2	Interview with Current Owner	
7.3	Interview with Key Site Manager	
7.4	Interviews with Occupants	. 25
7.5	Interview with Former Owner/Occupant	
7.6	Interviews with Government Officials	. 26

8.0	FINDINGS	27
9.0	CONCLUSIONS	30
10.0	REFERENCES	31
11.0	PROFESSIONAL CREDENTIALS	32

FIGURES

Figure 1	Site Vicinity Map
Figure 2	Site Layout Sketch
Figure 3	Aerial Photograph
Figure 4	Topographic Map

APPENDICES

Appendix A Appendix B Appendix C	Site Photographs Records of Communication Federal and State Environmental Database Radius Map Report
Appendix D	Aerial Photographs
Appendix E	Sanborn Map Report
Appendix F	City Directory Abstract
Appendix G	Topographic Maps
Appendix H	Site Plan
Appendix I	Prior Phase I ESA (text and Figure 2)
Appendix J	Professional Credentials

1.0 SUMMARY

Hillis-Carnes Capitol Services, PLLC (HCCS) was retained by Jacobs (Client/User) to perform a Phase I Environmental Site Assessment (ESA) of the St. Elizabeth's 801 Shelter Relocation Project located east of the intersection of Martin Luther King Jr. Ave SE and Redwood Street in Washington DC, hereafter referred to as the Site. The assessment included a site reconnaissance, an area reconnaissance, a regulatory database review, a historic record search, and interviews. This Phase I ESA was conducted in general conformance with the "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", hereafter referred to as the ASTM E1527-13 Standard Practice, as defined by the American Society for Testing and Materials (ASTM) in ASTM Designation E1527-13 (refer to Section 2.1).

The 10.23-acre Site is located east of the intersection of Martin Luther King Jr. Ave SE and Redwood Street. There are no structures currently on-site. The asphalt-paved entrance and the gravel parking lot of the northern adjoining property (2720 Martin Luther King Jr Ave SE – City Wide Call Center) is present on the northern portion of the Site. A concrete-pad was observed to the east of Building 82 and to the north of Building 83 (refer to figure 2). A stream is present on the northeastern portion of the Site and a portion of the underground DC metro system run through the eastern portion of the Site. The remaining portions of the Site is comprised of overgrown vegetation and wooded areas.

Additional information pertaining to site observations, area reconnaissance, regulatory agency records review, historical records review, interviews, etc. is included in the text of this report and is also generally summarized in Section 8.0 of this report.

This assessment has revealed no evidence of Recognized Environmental Conditions (RECs) in connection with the Site except for the following: a) previous on-site landfill area (refer to Section 5.4.9).

Based on the findings of this assessment, it is HCCS's opinion that additional environmental investigation at the Site is warranted.

The DC Department of the Environment (DDOE) was contacted in writing to determine if there are records of on-site spills, leaking underground storage tanks, reports of illegal dumping, or other environmental incidents. A copy of the information request letter is included in Appendix B. At the time of the completion of this assessment, information requested from the DDOE had not been received. Upon receipt of the response from the DDOE, HCCS will notify the Client/User via an addendum letter if information regarding the Site is available. It must be noted that HCCS's conclusions and/or opinions as presented in this report are based solely on the information obtained to date.

2.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) has published regulations (i.e., 40 CFR Part 312 – Standards and Practices for All Appropriate Inquiries, hereafter referred to as the "AAI Rule") establishing standards and practices for assessing the environmental condition of a property prior to its acquisition. This final AAI Rule was promulgated on November 1, 2005 and became effective on November 1, 2006. The EPA developed the regulations as a result of requirements in the "Brownfields Law", which was signed by President Bush on January 11, 2002.

The Brownfields Law clarifies CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act, also known as Superfund) liability provisions for certain landowners and potential property owners. More specifically, the Brownfields Law revises certain provisions of CERCLA legislation clarifying the requirements necessary for a party intending to establish the "innocent land owner defense" under CERCLA, in addition to providing Superfund liability limitations for bona fide prospective purchasers and contiguous property owners. Among the requirements added to CERCLA is the requirement that the purchaser of a property undertake "all appropriate inquiry" (AAI) into the prior ownership and use of a property at the time which a party acquires the property. The "all appropriate inquiry" standards and practices are relevant to the following.

- Bona fide prospective purchasers who buy property after January 11, 2002 must perform all
 appropriate inquiry prior to purchase and may buy property knowing, or having reason to
 know, of contamination on the property while still taking advantage of the limitation of liability
 provided by the new AAI definition.
- Contiguous property owners whose property is not the source of contamination, but is "contiguous" to a facility that is the source of contamination found on their property must perform all appropriate inquiry prior to purchase and buy without knowing, or having reason to know, of contamination on the property.
- Innocent purchasers/landowners must perform all appropriate inquiry prior to purchase of a property and must buy without knowing, or having reason to know, of contamination on the property.
- The Brownfields Law also establishes that assessments conducted by entities with the use
 of Brownfields grants awarded under CERCLA must be conducted in accordance with the all
 appropriate inquiry standards established under the law.

In response to the AAI Rule, on November 18, 2005, the American Society for Testing and Materials (ASTM) published an updated standard for conducting Phase I ESAs, revising a prior version published in 2000. The updated standard was identified as ASTM Designation E 1527-05: "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process". On November 1, 2013, ASTM published another updated standard for conducting Phase I ESAs. This standard is identified as ASTM Designation E 1527-13: "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", hereafter referred to as the ASTM E 1527-13 Standard Practice. EPA establishes that the revised ASTM E1527-13 Standard Practice is consistent with the requirements of the final rule for all appropriate inquiry and may be used to comply with the provisions of the AAI Rule.

Parties must follow the standards set forth in the ASTM E1527-13 Standard Practice to satisfy the statutory requirements for conducting all appropriate inquiries. All appropriate inquiries must be

conducted in compliance with the standard to potentially seek protection from liability under CERCLA as an innocent landowner, a contiguous property owner, or a bona fide prospective purchaser.

It should be noted that the conduct of all appropriate inquiries prior to acquiring a property is only one requirement that a party must comply with to potentially assert protection from CERCLA liability. For example, a party may not be able to claim an innocent landowner defense if a preponderance of evidence available to a prospective landowner prior to acquiring the property indicates that the defendant should have concluded that there is a likelihood of contamination at the property and/or should have conducted additional investigation to determine the presence or likely presence of contamination on the property. Further, the statute requires that persons, after acquiring a property, comply with continuing obligations to take reasonable steps to stop on-going releases at the property, prevent any threatened future releases, and prevent or limit any human environmental or natural resource exposure to any previously released hazardous substances. Additional requirements are described in the AAI Rule.

2.1 Purpose and Definitions

HCCS was retained to perform a Phase I ESA of the St. Elizabeth's 801 Shelter Relocation Project located east of the intersection of Martin Luther King Jr. Ave SE and Redwood Street in Washington DC. The work was completed in accordance with HCCS Proposal No. P180542HCI, dated July 3, 2018.

The Client/User has retained HCCS to conduct this Phase I ESA in connection with the redevelopment of the Site. Further, the Client/User has elected to retain HCCS to conduct the Phase I ESA in accordance with the ASTM E1527-13 Standard Practice in order to potentially seek protection from liability under CERCLA as an innocent landowner, a contiguous property owner, or a bona fide prospective purchaser, generally described in this section.

This Phase I ESA has been conducted in general accordance with the ASTM E1527-13 Standard Practice. The purpose of the Phase I ESA was to identify Recognized Environmental Conditions ("RECs"), Controlled Recognized Environmental Conditions (CRECs) and Historical Recognized Environmental Conditions ("HRECs") as defined in the ASTM E1527-13 Standard Practice (refer to the following paragraphs).

RECs are defined in the ASTM E1527-13 Standard Practice as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment".

CRECs are defined in the ASTM E1527-13 Standard Practice "a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory agency (for example, as evidence by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory agency), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)".

RECs and CRECs do not include "de minimis" conditions defined in the ASTM E1527-13 Standard Practice as "conditions that generally does 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 governmental agencies". Conditions determined to be de minimis conditions are not RECs or CRECs.

HRECs are defined in the ASTM E1527-13 Standard Practice as "a past release of any hazardous substance or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release an HREC, the Environmental Professional must determine whether the past release is a REC at the time the Phase I ESA is conducted (e.g., if there has been a change in the regulatory criteria)".

2.2 Detailed Scope-of-work

HCCS's Phase I ESA was conducted in general conformance with the guidelines of the ASTM E1527-13 Standard Practice. The scope-of-work for this Phase I ESA is described as follows.

2.2.1 Site Reconnaissance/Site Visit

- HCCS conducted a site reconnaissance to determine the general setting of the Site such as the
 current use of the Site, indications of past uses of the Site, topographic conditions, the presence
 of on-site structures, and the presence of on-site roads and other improvements.
- HCCS conducted a site visit to inspect for the presence or absence of the following: hazardous substances and petroleum products and/or containers; unidentified containers; evidence of underground storage tanks; aboveground storage tanks; odors; pools of liquid; potential sources of polychlorinated biphenyls; stains or corrosion on floors, walls or ceilings; floor drains; sumps; pits; ponds; lagoons; stained soil or pavement; stained or stressed vegetation; wells; waste water discharges; uncharacteristic mounds or depressions; and illegal solid waste disposal activity (i.e., "dumping").
- During the site visit, HCCS determined the method of heating and cooling the on-site structures, the potable water supply, and the methods of sewage and solid waste disposal, as applicable.

2.2.2 Area Reconnaissance

HCCS inspected the properties adjoining the Site from "curbside" or the boundaries of the Site
to determine the apparent current uses of those properties and to identify any indications of past
uses of those properties. HCCS also identified the general uses of the areas (e.g., residential,
commercial, industrial) beyond the properties adjoining the Site. The purpose of the area
reconnaissance of adjoining and surrounding properties was to identify any current or indications
of past uses of these properties that could impact environmental conditions at the Site.

2.2.3 Records Review

 To determine the proximity of the Site to known and potential contaminant sources, commercially-available environmental databases were reviewed. The databases reviewed and minimum search distances utilized for this assessment were in accordance with the ASTM E1527-13 Standard Practice.

- City, County and/or State authorities were contacted to determine if there are publicly-available records of on-site or local spills of hazardous materials, underground storage tank releases, reports of illegal dumping, or other environmental incidents which may have not been listed on the federal or state databases described previously. These city/county agencies included one or more of the following: local and/or state Environmental Department(s); local Fire Department; local Zoning/Planning Office(s); local Permitting/Use and Occupancy Office(s); and the local electric utility company.
- Published geologic, hydrogeologic, and topographic data were reviewed to determine general subsurface characteristics, estimated local/regional groundwater flow direction, and potential pathways for contaminant migration.

2.2.4 Review of Historical Records and Other Site-Related Documents

Historical records were reviewed to develop a history of the previous uses of the Site, adjoining properties, and the surrounding area in order to identify the likelihood of past uses having led to RECs in connection with the Site. The following historical records were reviewed, as available.

- Historical aerial photographs and topographic maps
- Sanborn fire insurance maps
- Historical city directories
- Chain-of-title provided by the Client/User
- Prior environmental reports provided by the Client/User
- Other Site-Related Documents provided by the Client/User

2.2.5 Interviews

HCCS conducted interviews in an attempt to obtain information regarding previous and current site uses and conditions and to obtain information indicating RECs in connection with the Site. As applicable, the following individuals were interviewed:

- Current Site Owner(s) (generally, the fee owner of record of the Site)
- Former Site Owner(s)
- Key Site Manager(s) (i.e., individual(s) with good knowledge of the uses and physical characteristics of the Site)
- Site Occupant(s), including, but not limited to, the Major Site Occupant(s) for multi-tenant Sites
- Former Site Occupant(s)
- User (the party seeking the performance of the Phase I ESA, including a potential purchaser/tenant of the Site, the owner of the Site, a lender, or a property manager/key site manager; generally, HCCS's Client for the project)

2.2.6 Evaluation and Report Preparation

This report is a compilation of data obtained during the assessment of the Site. The report was prepared in accordance with the outline recommended in the ASTM E1527-13 Standard Practice. If information requested from third parties was not available at the time of the completion of this report, it will be submitted to the Client/User as a report addendum.

2.3 Significant Assumptions

Environmental assessments are limited in the sense that conclusions and opinions are developed from personal interviews and information obtained from limited research and secondary sources. Except as identified in this report, HCCS has made no independent investigations as to the accuracy or completeness of the information derived from the secondary sources and personal interviews and has assumed that such information was accurate and complete. There is a reasonable effort made by HCCS to compensate for inaccurate information by using actual knowledge of site operations and observed conditions. No discrepancies have been recognized at this time.

2.4 Data Gaps

A data gap is defined in the ASTM E1527-13 Standard Practice as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information". The following data gaps were identified with respect to the Phase I ESA being conducted at the Site.

- According to the User Questionnaire completed by the Client/User (refer to Appendix B), the Client/User is not aware of any environmental liens or AULs associated with the Site. However, according to the User Questionnaire completed by the Client/User, the Client has indicated that they have not based this knowledge on information provided by a title company, real estate attorney or title professional. According to the Client/User, a search for environmental liens and/or AULs by a title company/professional has not been conducted for this assessment.
- Per the contract for this assessment, HCCS did not perform clearing of woods/undergrowth/vegetation considered impassable by the inspector performing the site visit. Several areas of dense vegetation were located on-site. Further, items such as stored materials, debris, tires etc. were not moved by HCCS during the site visit. These conditions prevented HCCS from directly observing conditions under the dense vegetation, stored materials, debris, tires etc. and prevented HCCS from directly inspecting the ground surface in these areas. However, based on observations that were made, evidence of solid waste disposal activity ("dumping") or other environmental concerns was not present.
- Uses of the Site back to the Site's first developed use (i.e., back to virgin land, which is
 exclusive of agricultural uses) were not determined due to data failure experienced by HCCS
 during the research and review of reasonably ascertainable historic sources (e.g., aerial
 photographs, historic topographic maps, etc.). The most historic resource that provided
 descriptive information regarding former on-site conditions was an aerial photograph dated
 1937.

Although data gaps were identified in association with the Site, based on the nature of current and historic uses of the Site, since evidence of former on-site operations involving manufacturing or industrial activities have not been identified during the course of this assessment, since the Site is not listed on any of the environmental databases reviewed for this assessment, and/or since no sources utilized for this assessment have indicated that liens and AULs are associated with the Site, the data gaps bulleted above are not considered to be significant and, although possible, it is unlikely that these data gaps have affected HCCS's ability to identify RECs associated with the Site.

2.5 Limitations and Exceptions

Professional services have been performed, findings obtained, and conclusions and opinions prepared in accordance with standard industry practices in the fields of environmental science and engineering. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated for this assessment.

No environmental site assessment can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this Phase I ESA in general accordance with the Standard Practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Site. Further, the Standard Practice recognizes reasonable limits of time and cost. Lastly, all appropriate inquiry of a property utilizing the Standard Practice is not exhaustive. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions.

This Phase I ESA is site-specific in that it relates to assessment of environmental conditions on a specific parcel of real estate. Consequently, this Phase I ESA does not address many additional issues raised in transactions such as purchases of business entities, or interests therein, or of their assets, that may involve environmental liabilities pertaining to properties owned or operated or other off-site environmental liabilities.

Conclusions and opinions regarding the potential environmental impact of off-site facilities are based on readily available information from the review of regulatory databases, distances from the Site, geologic conditions, and/or the estimated groundwater flow direction based on surficial topography. A file review of each off-site facility and a determination of actual groundwater conditions or flow direction were beyond the scope of work for this project.

Subsurface conditions could differ from the conditions implied by the surficial/visual observations, and can only be evaluated through additional means of investigation that were not authorized for this assessment. Therefore, no representations concerning groundwater or soil quality can be made, as no analysis of such samples was performed for the project.

Certain environmental conditions or issues that may be associated with a property are outside the scope of the ASTM E1527-13 Standard Practice; therefore, an evaluation of such conditions or issues is not included in HCCS's standard scope of work. These conditions or issues, defined in the ASTM E1527-13 Standard Practice as "non-scope considerations", include, but are not limited to, the following: asbestos-containing building materials; radon; lead-based paint; lead-in-drinking water; wetlands; regulatory compliance (including health and safety); endangered species; indoor air (excluding impacts to indoor air from releases of hazardous substances into the environment); mold; biological agents; cultural and historic resources; ecological resources; and industrial hygiene. In addition, although not listed specifically as "non-scope considerations" in the ASTM E1527-13 Standard Practice, the following items are outside the scope of work for this assessment: property/building condition assessment (e.g., an evaluation of mechanical, electrical, plumbing and roofing systems); hazardous building materials (e.g., PCB light ballasts, mercury vapor lamps, liquid mercury devices); radioactive materials; controlled substances; methane gas issues; high voltage power lines; geotechnical assessments; and structural assessments. It is recognized in the ASTM E1527-13 Standard Practice that an evaluation of business environmental risk associated with the Site may necessitate additional investigation beyond that conducted for the Phase I ESA. (e.g., "nonscope considerations", soil and/or groundwater sampling and analysis, indoor air quality testing to evaluate impact of releases of hazardous substances into the environment etc.).

HCCS has obtained and reviewed certain reasonably ascertainable information in conjunction with the Phase I ESA. The ASTM E1527-13 Standard Practice defines reasonably ascertainable information as that which is: a) publicly available; b) obtainable within reasonable time and cost constraints; and c) practically reviewable. Information that does not fall under this definition (e.g., information that is filed by a governmental agency in a chronological manner rather than by street address) may not have been obtained or reviewed by HCCS.

Reasonable efforts have been made to identify the presence/evidence of aboveground and underground storage tanks and associated equipment, chemical storage containers, or other items of environmental concern. "Reasonable efforts" are limited to visual observation of largely unobstructed areas, review of recorded database information held in public record, and review of available information gathered from interviews and documents as described in this report. Such methods do not preclude the actual presence of aboveground and underground storage tanks and associated equipment, chemical storage containers, or other items of environmental concern that could have been obscured from view due to asphalt or other paved areas, construction and/or other stored materials, debris piles, tarps or other covers, dumping/discarded materials, significant forest undergrowth, overgrown vegetation, leaf litter, snow cover, standing/ponded water, parked, stored, or junked automobiles, etc., or incorrect information (or lack thereof) from sources. Per the contract for this assessment, HCCS did not clear or disturb significant undergrowth, overgrown vegetation, leaf litter, asphalt or other paving, snow, etc. and did not move or disturb construction and/or other stored materials, debris piles, tarps or other covers, dumping/discarded materials, parked, stored, or junked automobiles, etc.

Per the ASTM E1527-13 Standard Practice, any deviations from the ASTM E1527-13 Standard Practice must be specified. A deviation can include an exception or addition to or a deletion from the requirements of the ASTM E1527-13 Standard Practice. For this Phase I ESA, no apparent deviations from the ASTM E1527-13 Standard Practice were made by HCCS; however, data gaps have been identified during this assessment and are discussed in Section 2.4.

2.6 Special Terms and Conditions/Reliance

This report has been prepared and is intended for the sole use of our Client/User, unless otherwise stated by HCCS. The scope of services performed in execution of this assessment is not necessarily appropriate to satisfy the needs of other users, and use of this report or the findings, opinions or conclusions contained herein is at the risk of said user.

3.0 DESCRIPTION OF SITE AND VICINITY

3.1 Site Location and Identification

The Site is located on the eastern side of Martin Luther King Jr Avenue SE, approximately 450 feet northeast of the intersection of Martin Luther King Jr Avenue SE and Elm Street in Southeast, Washington DC. A Site Location Map, Figure 1, is appended to this report.

According to information available on the internet (DC.gov), the Site is comprised of portions of four contiguous lots. The Site is located on the southern portion of Square 5868, Suffix S and Lot 1. Lot 1 has a street address of 2720 Martin Luther King Jr Avenue SE, however the structure on this property is not within the Site's border. A portion of the Site is located on the northwestern corner of Square 5868, Suffix S and Lot 0831. No street address was reported as being associated with this property. The central portion of the Site is located on the northeastern side of Square 5868, Suffix S and Lot 0830. No street address was reported as being associated with this property. The eastern portion of the Site is located on the eastern portion of Square 5868, Suffix S and Lot 0803. No street address was reported as being associated with this property.

3.2 General Current Uses and Characteristics of Site

Sean Harkins, HCCS Environmental Scientist, conducted the site visit on June 27, 2018. Site photographs are included in Appendix A. A description of the general uses and characteristics of the Site is included in this section. A more detailed description of site improvements, as applicable (e.g., structures, roads, utilities, etc.) is included in Section 6.3.

As previously reported, there are no structures currently on-site. The asphalt-paved entrance and the gravel parking lot of the northern adjoining property (2720 Martin Luther King Jr Ave SE – City Wide Call Center) is present on the northern portion of the Site. A concrete-pad was observed to the east of off-site Building 82 and to the north of off-site Building 83 (refer to figure 2). A stream is present on the northeastern portion of the Site and a portion of the underground DC metro system runs through the eastern portion of the Site. The remaining portions of the Site are comprised of overgrown vegetation and wooded areas.

3.3 Proposed Future Use of Site

According to the Client/User, future development plans for the Site include the clearing and grading of a portion of the Site and the construction of a structure to be utilized as a housing assistance center. The future structure will utilize municipal water and sanitary sewer utilities.

3.4 Current Uses of Adjoining Properties and Surrounding Properties

The Site is located in a mixed-use area of Southeast, DC. The following paragraphs describe the observations made by HCCS on the date of the site visit and area reconnaissance conducted for this Phase I ESA.

The Site is bordered to the north by 2720 Martin Luther King Jr Ave (City Wide Call Center), woods and Suitland Parkway. Further north are commercial properties and residential structures. The properties to the north are generally downgradient of the Site.

The Site is bordered to the east by woods and Suitland Parkway. Further east are woods and residential properties. The properties to the east are generally topographically upgradient of the Site.

The Site is bordered to the south by vacant structures that were associated with St. Elizabeth's Hospital East Campus (Buildings 81, 82, 83, 81A and 120). Further south is 2700 Martin Luther King Jr Avenue (Unity Health Care properties). The properties to the south are generally crossgradient of the Site.

The Site is bordered to the west by Building 82 and 81 of St. Elizabeth's Hospital East Campus. Further west is Martin Luther King Jr Avenue and then the campus of the Department of Homeland Security. The properties to the west are generally crossgradient of the Site.

HCCS's area reconnaissance did not reveal evidence of heavy manufacturing activities (e.g., processing plants, factories, operations involving waste water/process water treatment, etc.), bulk exterior chemical or petroleum storage/usage, transportation activities, dumping/landfilling activities at the properties adjacent to and/or in the immediate vicinity of the Site that would likely result in a REC to the Site. However, certain properties located in the vicinity of the Site were included on the regulatory databases reviewed for this assessment. Additional information and HCCS's conclusions regarding the off-site database listings are included in Section 5.1. In addition, information pertaining to the past uses of adjacent and surrounding properties is included in the subsections Section 5.4 and HCCS's conclusions regarding these past uses are included in Section 5.4.9.

4.0 INFORMATION PROVIDED BY CLIENT/USER

4.1 Recorded Environmental Liens or Activity and Use Limitations

Activity and Use Limitations (AULs) are defined in the Standard Practice as legal (i.e., institutional controls) or physical (i.e., engineering controls) restrictions or limitations on the use of, or access to, a site or facility to: (a) reduce or eliminate potential exposure to hazardous substance or petroleum products in the soil, soil vapor, groundwater and/or surface water on the property; or (b) prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil, soil vapor, groundwater and/or surface water on the property.

Environmental liens are defined in the Standard Practice as a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation or duty arising out of response actions, cleanup or other remediation of hazardous substances or petroleum products upon a property, including, but not limited to, liens imposed pursuant to CERCLA and similar state or local laws.

If the Client/User has actual knowledge of any environmental liens or AULs encumbering the Site, it is the Client's/User's responsibility to communicate such information to the environmental professional. The Client/User was informed of this responsibility on the "User's Responsibilities" form that was included in the contract for this Phase I ESA and was asked whether or not they are aware of any environmental liens or AULs associated with the Site via a User Questionnaire included in the contract for this Phase I ESA. Further, the Standard Practice does not impose on the environmental professional the responsibility to undertake a review of recorded land title records and judicial records for environmental liens or AULs. The Standard Practice indicates that the Client/User should either: (a) engage a title company, real estate attorney or title professional to undertake a review of reasonably ascertainable recorded land title records and lien records for environmental liens and AULs currently recorded against or relating to the Site; or (b) negotiate such an engagement of a title company, real estate attorney or title professional as an addition to the scope of work to be performed by the environmental professional. The Client/User was informed of this responsibility on the "User's Responsibilities" form that was included in the contract for this Phase I ESA.

According to the User Questionnaire completed by Mr. Richard Staudinger, a representative of the Client/User, the Client/User is not aware of any environmental liens or AULs associated with the Site. However, according to the User Questionnaire completed by the Client/User, the Client has indicated that they have not based this knowledge on information provided by a title company, real estate attorney or title professional (i.e., a search for environmental liens and/or AULs by a title company, real estate attorney or title professional has not been conducted) - refer to the User Questionnaire included in Appendix B. The apparent absence of a search for environmental liens and/or AULs by a title company, real estate attorney or title professional is considered to be a "data gap" (refer to Section 2.4).

4.2 Additional Information Obtained from the Client/User

Additional Items on User Questionnaire

If the Client/User is aware of any of the following, it is the Client's/User's responsibility to communicate this to HCCS: a) any specialized knowledge or experience that is material to RECs in connection with the Site; b) environmental issues effecting property value; c) commonly known or reasonably ascertainable information within the local community about the Site that is material to RECs in connection to the Site; and d) an obvious condition on the Site that would indicate the presence or likely presence of contamination.

The Client/User was informed of this responsibility on the "User's Responsibilities" form that was included in the contract for this Phase I ESA and was asked about these items via a User Questionnaire included in the contract for this Phase I ESA.

According to the User Questionnaire completed by the Client/User (included in Appendix B):

- a) the Client/User has not knowledge of any specialized knowledge or experience that is material to RECs in connection with the Site:
- b) the Client/User indicated that the inquiry regarding environmental issues effecting property value does not apply to the Site, presumably as there is not real estate transaction associated with the Site at this time);
- c) with the exception of knowledge of the prior use of the Site being vacant or agricultural since the early 1900s, the Client/User has no knowledge regarding commonly known or reasonably ascertainable information within the local community about the Site that is material to RECs in connection to the Site; and
- d) in response to the inquiry regarding an obvious condition on the Site that would indicate the presence or likely presence of contamination, the Client/User indicated the knowledge of the presence of fly ash at the Site.
- Legal/Governmental Proceedings Involving the Site

In accordance with the ASTM E1527-13 Standard Practice, Mr. Richard Staudinger was asked certain questions specific to legal/governmental proceedings involving the Site. Specifically, Mr. Staudinger was asked if he knows of: (1) any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Site; and (2) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. Mr. Staudinger did not have any knowledge of the types of litigation, administrative proceedings, or notices, as listed previously, in association with the Site. A Record of Communication with Mr. Staudinger is included in Appendix B.

• Environmentally-Related Documents

HCCS provided Mr. Staudinger with a copy of a Document Request Form. The form contains a listing of documents identified by the ASTM E1527-13 Standard Practice, which HCCS must request from the Client/User, the owner, and the key site manager, as applicable. The form completed by Mr. Staudinger is included in Appendix B. In response to the form, Mr. Staudinger provided HCCS with a copy of a prior environmental report (Section 5.4.7) and site plans (Appendix H).

5.0 RECORDS REVIEW

5.1 Standard Environmental Record Sources – Regulatory Agency Databases

A review of environmental databases was conducted to determine the Site's proximity to known and potential contaminant sources included on certain federal, local (i.e., state or district) and/or Indian tribal land databases. Environmental Data Resources, Inc. (EDR), a commercial database supplier, provided the environmental database report (entitled EDR Radius Map Report) to HCCS (Appendix C).

EDR's environmental database report includes the standard environmental records specified in the ASTM E1527-13 Standard Practice and also includes a number of additional environmental records (including proprietary lists maintained by EDR). The search distances (from the borders of the Site) that were utilized by EDR for the standard environmental records are compliant with or exceed the search distances specified in the ASTM E1527-13 Standard Practice. EDR also provides an Orphan Summary. This summary includes those database-listed properties that cannot be mapped within 250 feet of their true location due to incomplete or missing addresses.

HCCS reviewed the information reported for the standard environmental records as it relates to the Site and for properties located within the applicable search distances. HCCS reviewed the information reported for the additional environmental records as it relates to the Site only. HCCS reviewed the Orphan Summary for listings that, although not able to be mapped in EDR's environmental database report, appear to be associated with the Site and/or with properties within the applicable search distances for the standard environmental records. The findings from HCCS's review of EDR's environmental database report are summarized as follows.

Environmental Record	Search Distance (miles)	Target Property (TP = "Site") Listed (Yes or No)	Number of Off-Site Properties Listed			
Federal Standard Environmental Records						
National Priority List (NPL)	1.0	No	0			
Proposed NPL	1.0	No	0			
NPL Liens	TP	No	NA			
Delisted NPL	1.0	No	0			
Federal Facility (CERCLIS)	0.50	No	0			
SEMS	0.50	No	2			
SEMS – Archive (CERCLIS-NFRAP)	0.50	No	1			
CORRACTS	1.0	No	0			
RCRA-TSDF	0.50	No	0			
RCRA Generator	0.25	No	4			
LUCIS	0.50	No	0			
Engineering Controls	0.50	No	0			
Institutional Controls	0.50	No	0			
ERNS	TP	No	NA			

NA = Not Applicable: EDR searches this database for the Site only

Environmental Record	Search Distance (miles)	Target Property (TP) ("Site") Listed (Yes or No)	Number of Off-Site Properties Listed				
Local (State/District) Standard and Tribal Environmental Records							
SHWS	0.50	No	0				
SWL/LF	0.50	No	0				
Indian LUST	0.50	No	0				
DC LUST	0.50	No	13				
Historical LUST	0.50	No	0				
FEMA UST	0.25	No	0				
Registered UST DC	0.25	No	2				
Registered AST	0.25	No	0				
Indian UST	0.25	No	0				
Engineering Controls	0.50	No	0				
Institutional Controls	0.50	No	0				
Voluntary Cleanup Program	0.50	No	0				
Indian VCP	0.50	No	0				
Brownfields DC	0.50	No	5				
Other Environmental Records							
Additional Environmental Records	Varies	No	NR				
EDR's Proprietary Records	Varies	No	NR				
Orphan Summary Listings	Varies	No	0				

NR = Not Reviewed: These records were reviewed for the Site only

The following subsections provide additional information for the Site and/or off-site properties listings, as applicable.

Federal Standard Environmental Records

<u>Superfund Enterprise Management System List:</u> Superfund Enterprise Management System (SEMS) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons.

<u>Superfund Enterprise Management System – Archive List:</u> Superfund Enterprise Management System (SEMS) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons. SEMS properties designated with a "No Further Remedial Action Planned (NFRAP)" status are included on the SEMS Archive List. Archived sites may be properties where no contamination has been found, contamination was removed quickly without the property being listed on the NPL, or the contamination was not significant enough to require Federal Superfund action or NPL consideration.

Resource Conservation and Recovery Act Information System (RCRIS) – Hazardous Waste Generators List: The RCRIS list identifies large quantity, small quantity and conditionally exempt small quantity generators of hazardous waste, as defined by RCRA.

Local (State/District) Standard Environmental Records

<u>DC Leaking UST List:</u> The DCRA's Leaking UST (LUST) list is an inventory of properties with reported leaking underground storage tanks.

<u>DC Underground Storage Tank (UST) List:</u> The DC's Underground Storage Tank (UST) list includes those USTs that are currently registered with the DC.

<u>DC Brownfields List:</u> The Brownfields list is a list of brownfields properties that are located within the District of Columbia. The DC Superfund Division, which is responsible for conducting federally funded assessments of eligible brownfields properties located in DC, determines whether environmental clean-up activities are warranted at these properties.

It must be noted that EDR's report identifies 2700 Martin Luther King Jr Avenue (St. Elizabeth's Hospital) and 2701 Martin Luther King Jr Avenue (GSA-Saint Elizabeth's West Campus) as being part of the Site (target property). These two addresses are included on the FINDS database. 2700 Martin Luther King Jr Avenue is located approximately 450 feet south of the Site and 2701 Martin Luther King Jr Avenue adjoins the Site to the northwest (across from Martin Luther King Jr Avenue). Therefore, for the purposes of this report, HCCS has determined that there are no on-site listings associated with the Site. Refer to the below paragraphs for information pertaining to the off-site database listings.

Off-Site Regulatory Database Listings

Based on the street addresses/entities associated with the off-site environmental database listings. it appears that, with the exception of two addresses/entities (described later in this section), the offsite database listings are associated with properties that are (or were historically) located at least 1,100 feet from the Site. Based on a number of factors, the off-site database listings for the properties located at least 1,100 feet from the Site do not appear to represent a REC to the Site. These factors include, but are not limited to the following: a) distance and/or topography; b) the regulator's involvement with the off-site database listings; c) the apparent absence of a regulatory agency requirement to conduct on-site investigations in association with the off-site environmental database listings (to evaluate migration of contaminants from the off-site source); d) the absence of these properties from databases related to improper waste disposal, priority remediation, etc. (e.g., Federal Superfund List, State Hazardous Waste List, Voluntary Cleanup Program List, etc.), except for six properties, which are included on the SEMS or Brownfields list and are all located at least 1,100 feet from the Site; e) the absence of hazardous waste violations at the off-site hazardous waste generator; f) the "closed" status of all of the off-site DC LUST cases; and g) the use future use of municipal water at the Site, thereby reducing the exposure via ingestion to impacted groundwater, if present.

The two off-site properties located within 1,100 feet from the Site (bulleted below) are both located within 400 feet of the Site and one of the properties is adjoining the Site.

- 2701 Martin Luther King Jr Avenue; listed under the names GSA-Saint Elizabeth's West Campus and Department of Homeland Security; adjoining the Site to the northwest and located approximately 400 feet from the Site (due to the width of Martin Luther King Jr Avenue); topographically upgradient of the Site; included on the SEMS-Archive list, RCRA-CESQG list, and DC LUST list; the SEMS-Archive listing is documented as having a "No Further Remedial Action Planned" designation; there are no violations associated with the RCRA-CESQG listing; the DC LUST case is listed as a NFA (No Further Action) designation.
- 2700 Martin Luther King Jr Avenue; listed under the names St. Elizabeth's Mental Hospital, DC St. Elizabeth's Hospital BLDG #81, Youth Center Dix Building, Department of Health & Human Services, St. Elizabeth's Hospital and DC Department of Mental Health; located approximately 450 feet south from the Site and topographically upgradient of the Site; included on the RCRA NonGen/NLR list, DC RGA (Recovered Government Archive) LUST list, DC Brownfields list, DC LUST list the DC UST list; No violations are associated with the hazardous waste listings; all three LUST cases were reported as being closed and were reported as having soil contamination; the registered USTs are listed as being a 55-gallon permanently out of use unknown content tank, a 300-gallon permanently out of use waste oil tank, a 1,000-gallon permanently out of use diesel tank, a 1,000-gallon permanently out of use unknown content tank, a 3,000-gallon permanently out of use diesel tank, a 10,000-gallon permanently out of use diesel tank.

With regard to the properties bulleted above, based on the relative close proximity of these off-site properties to the Site, it is possible that impact to the Site could have occurred as a result of operations and/or reported releases/incidents, as applicable, at the off-site properties. However, based on a number of factors, these off-site database listings that are apparently associated with properties that are or were historically located within 450 feet of the Site do not appear to represent a REC to the Site. These factors include, but are not limited to, the following: a) the regulator's involvement with the off-site database listings; b) the apparent absence of a regulatory agency requirement to conduct on-site investigations in association with the off-site environmental database listings (to evaluate migration of contaminants from the off-site source); c) the absence of hazardous waste violations at all of the off-site hazardous waste generators; d) the "closed" status of all of the off-site LUST cases; e) the factor that the majority of the LUST cases appear to be associated with relatively routine tank operations (i.e., these cases do not appear to be associated with operations at heavy manufacturing facilities, factories, or processing plants, etc.); and f) the future use of municipal water at the Site, thereby reducing the exposure via ingestion to impacted groundwater, if present.

According to ASTM E1527-13, if adjoining properties (i.e., any property or properties the border of which is contiguous or partially contiguous with that of the Site, or that would be contiguous or partially contiguous with that of the Site but for a street, road, or other public thoroughfare separating them) are identified on one or more of the "standard" environmental record sources, pertinent regulatory files/records or files/records from other sources (e.g., on-site records) associated with the listing shall be reviewed, as feasible. If such a review is deemed not to be warranted, an explanation of the rationale must be presented. As indicated above, the first bulleted property is adjoining the Site and is included on at least one of the "standard" environmental records sources. Based on the factors presented in the preceding paragraph, a file review for the adjoining property does not appear warranted.

5.2 Standard Environmental Record Sources – Agency Inquiries

The DC Department of the Environment (DDOE) was contacted in writing to determine if there are records of on-site spills, leaking underground storage tanks, reports of illegal dumping, or other environmental incidents. A copy of the information request letter is included in Appendix B. At the time of the completion of this assessment, information requested from the DDOE had not been received. Upon receipt of the response from the DDOE, HCCS will notify the Client/User via an addendum letter if information regarding the Site is available. It must be noted that HCCS's conclusions and/or opinions as presented in this report are based solely on the information obtained to date.

5.3 Physical Setting Sources

> Topography

In addition to other historical topographic maps (refer to Section 5.4.5), a United States Geological Survey (USGS) 7.5 Minute Series Anacostia, Maryland Quadrangle (topographic map) dated 2014 was reviewed for this assessment. Contour intervals on the map illustrate that the elevation of the Site ranges between approximately 170 feet above mean sea level in the western portion to approximately 100 feet above mean sea level in the eastern portion. Contour intervals in the site vicinity indicate that general slope and apparent surface water drainage in the vicinity of the Site are from the west to the east. No uncharacteristic depressions or mounds were illustrated on the Site.

Geology

The Site is located in the Eastern Piedmont physiographic province, west of the fall line that separates this province from the Coastal Plain physiographic province. According to the Geologic Map of the Washington East Quadrangle District of Columbia produced by the U.S. Geological Survey (1965), the Site is underlain by Q5 from the Colluvium Sediment. Colluvium deposits are generally an unsorted mixture of pebbles in clayey-sand or sandy-clay, and are typically on slopes or on small hilltops. Q5 consists of gravel, sand, silt, and clay which are gray to gray-brown and crudely to well bedded. These sediments are found mainly beneath an irregular surface between 40 and 105 feet in elevation that extends northward from the White House for about two miles. Swamp deposits with "dead" 14C (carbon-dating) occur in this unit in Lafayette Park (Ives and others, 1967; Knox, 1969). Q5 is more deeply weathered and the weathered sediment has been stripped from the surface by natural or artificial means in many places. Therefore, there are relatively fresh minerals exposed. Unit Q5 if typically 10-20m thick and correlates with the Chicamuxen Church Formation in Charles and Saint Mary's Counties, Maryland and with Charles City and Chuckatuck Formations in Virginia.

Hydrogeology

According to the 28th International Geological Congress publication entitled Hydrogeology of the Washington, D.C. Area (1989), groundwater beneath the weathered mantle of Piedmont saprolite in Washington, D.C. occurs in openings and fractures in crystalline rocks and fractured siltstone and sandstone in the Mesozoic basin.

Mining

For Phase I ESAs conducted in Maryland, HCCS typically reviews maps that provide information related to locations of past mining/quarrying operations and identified areas of mineral resources (e.g., County Mineral Resources and Mined Land Inventory Maps and/or quadrangle maps that illustrate mineral resources/mined land). For this assessment, neither a mining map for Southeast Washington DC nor a mining map for the Anacostia quadrangle was available for review. Therefore, no mining maps for the Site and site vicinity were reviewed for this assessment. However, based on the review of aerial photographs and historic topographic maps, it does not appear that mining/quarrying activities were associated with the Site or immediate site vicinity.

5.4 Historical Use Information

Previous land uses were investigated via interviews and reviews of aerial photographs, historical city directories and historical topographic maps. In addition, a search of Sanborn fire insurance maps for the vicinity of the Site was requested from EDR. Information pertaining to previous ownership of the Site was obtained via a review of information available on the Internet.

5.4.1 Aerial Photographs

HCCS obtained an Aerial Photo Package from EDR. A copy of the Aerial Photo Package is included in Appendix D. In addition, the outline of the Site is on the aerial photograph dated 2015 and is included as Figure 3 of this report. It should be noted that due to the quality and scale of some of the aerial photographs, specific conditions are not always discernible. The following is a summary of the aerial photographs reviewed for this assessment.

On the aerial photographs dated 1937, 1949, 1952, 1957, 1960, 1963, 1970, 1972, 1988 and 1998, a paved feature appeared to be present near the western central portion of the Site (west of off-site Building 82). Due to the quality of the aerial photographs, HCCS was unable to discern the specific use of the paving. In addition, HCCS did not observe any structures on the Site. Presumably, Buildings associated with St Elizabeth's Hospital were present to the south of the Site and structures associated with the Department of Homeland Security were located to the west of the Site. Additional smaller structures, wooded areas and roads were present in the vicinity of the Site.

On the aerial photographs dated 2005, 2009, 2013 and 2017, the Site appeared to consist of current day conditions, except the northern portion of the Site appeared to be used for the storage of construction materials for during the construction of 2720 Martin Luther King Jr Avenue. The Site vicinity appeared to consist of current day conditions, except for the 2005 photograph, which included construction activity for 2720 Martin Luther King Jr Ave north of the Site.

5.4.2 Sanborn Maps

Sanborn fire insurance maps were requested from EDR for the Site and site vicinity. These maps, where available, can provide information regarding previous land uses, particularly fuel and chemical use and storage areas. A collection of these maps was searched to determine if such maps had been prepared for the site area. A copy of the Sanborn Map Report is included in Appendix E. It should be noted that due to poor print quality of certain of these maps, illustrations/text on the maps are not always discernible. In addition, abbreviations/symbols on certain of these maps are not always identified in the standard Sanborn fire insurance map legend.

On the Sanborn maps dated 1927, 1960, 1977, 1985, 1989, 1990, 1992 and 1995, two stables were illustrated on the western side of the Site, on the eastern side of off-site building 82. Several structures associated with St. Elizabeth's Eastern Campus were illustrated in the vicinity of the Site.

On the Sanborn map dated 1998, there were no structures illustrated on the Site. Several structures associated with St. Elizabeth's Eastern Campus were illustrated in the vicinity of the Site.

5.4.3 City Directories

City directories have been published for cities and towns across the United States since the 1700s. Originally a listing of residents, the city directory developed into a tool for locating businesses as well as individuals in urban or suburban areas. While city directory coverage for major cities is comprehensive, it may not include information for rural areas or smaller towns. City directories were requested from EDR for the Site and adjoining properties as part of this assessment. A copy of the City Directory Abstract is included in Appendix F. Business directories including city, cross-reference and telephone directories were reviewed, if available, at approximate five-year intervals for the years spanning 1960 through 2014 (not necessarily inclusive).

The Site does not have a street address associated with it; therefore, no information was provided in the City Directory Abstract pertaining to the Site or the site vicinity.

5.4.4 Interviews

According to Mr. Staudinger, the representative of the Client/User, the site conditions have generally been consistent with current conditions since approximately the construction of the St Elizabeth's East Campus. Mr. Staudinger had no knowledge of any prior uses or conditions.

5.4.5 Historical Topographic Maps

HCCS obtained a Historical Topographic Map Report from EDR. The report contained several 7.5-Minute Series historical topographic maps. In addition, the report contained several 15-Minute Series and 30-Minute Series historical topographic maps. Due to the poor scale of the 15-Minute Series and 30-Minute Series Maps and the small size of the Site, the conditions of the Site on these maps could not be determined. A copy of the report is included in Appendix G. In addition, the outline of the Site is on the topographic map dated 1979 and is included as Figure 4 of this report.

The Site and the site vicinity is not included on the topographic maps dated 1885, 1890, 1891, 1894, 1934, 1937, 1938, 1972, 1983 and 1994.

On the topographic maps dated 1899, 1900 and 1906, there are no structures illustrated on the Site. A stream is illustrated on the eastern portion of the Site. Roads and small structures are in the site vicinity to the north, east and west.

On the topographic maps dated 1945, 1951, 1956, 1965, 1971 and 1979 there are no structures illustrated on the Site. A road, presumably Martin Luther King Jr Avenue bordered the Site to the west and St Elizabeth's Hospital is present to the south and west of the Site. Several small structures are present to the north of the Site and Suitland Parkway was present to the east of the Site.

No structures, uncharacteristic depressions, or mounds were illustrated on the Site on the topographic maps provided in the Historical Topographic Map Report.

5.4.6 Historical Ownership

Information regarding the historical ownership of the Site was not provided to HCCS during this assessment.

5.4.7 Prior Environmental Reports

The Client provided HCCS with a Phase I ESA report prepared by Haley & Aldrich in 2012. A copy of the text of the prior Phase I ESA report is included in Appendix I. The following paragraphs summarize the main findings of the prior Phase I ESA.

According to the 2012 Phase I ESA, the property limits included the current Site limits of this 2018 Phase I ESA along with additional areas to the west and south. Specifically, the 2012 Phase I ESA defined their property limits as the "North Parcel and FEMA tracts of the St. Elizabeth's East Campus" which included eight buildings (buildings 79, 81, 81A, 82, 83, 86, 87 and 120). During the 2012 assessment, all of the buildings were vacant, except for Building 81A, which was being used as the 801 East Housing Assistance Center. The 2012 assessment identified several RECs associated with the property. The majority of the RECs were associated with features, buildings, or property conditions that were associated with buildings that are outside of the Site limits of this 2018 Phase I ESA; however, one REC was identified in the 2012 Phase I ESA as a former landfill and fly ash disposal area that is within the Site limits of this 2018 Phase I ESA.

This area that was defined as an REC is within the central and eastern portions of the Site as it is defined for this 2018 Phase I ESA, along with areas that extend off-site. A figure, which was provided with the 2012 Phase I ESA, illustrating the area of concern is included in Appendix I. Specifically, the REC was determined from information that was obtained from a 1991 field investigation report and a 2008 Geotechnical report. The following is Haley & Aldrich's summary of the information obtained from the two reports: "Fill material was composed of storm sewer cleanings, street sweepings, road construction debris, and incinerator fly ash. The landfill was comprised of four portions which were closed in 1983, 1987, 1988, and 1989. Closure consisted of a cap of 18 to 30 inches of a mixture of milled asphalt, soils, and compost from a sewage treatment plant. Sampling of fill, fill leachate and pond sediment in the area of the landfill was conducted in 1984 and 1985. Chlorinated dioxins and furans were detected in ash fill and PCB-1260 was detected in pond sediments" (the pond in not part of the Site as defined for HCCS's 2018 Phase I ESA). "This report identified ash fill. A composite sample was collected and analyzed for metals and semi-volatile organic compounds to characterize ash for disposal. Results were reportedly below RCRA limits and the ash was not considered a RCRA hazardous waste for metals or SVOCs." HCCS's conclusion regarding the REC identified in the 2012 Phase I ESA is included in Section 5.4.9 of this report.

5.4.8 Other Historical Sources

No historical sources other than those described in this report were obtained for this assessment.

5.4.9 Summary of Information Obtained from Historical Sources

> Site

Based on HCCS's review of the historical records sources described previously, a portion of the central portion of the Site appears to be paved since at least 1937. The remaining portions of the Site were mainly vegetated, with two stables being present on the Site from at least 1927 until approximately 1995. A portion of the central area of the Site was used as a landfill that reportedly consisted of storm sewer cleanings, street sweepings, road construction debris, and incinerator fly ash. According to the prior Phase I ESA (refer to Section 5.4.7) portions of the landfill area were closed in 1983, 1987, 1988 and the remaining area closed in 1989. In addition, the 2012 assessment reported that the closure consisted of an 18 to 30 inch cap. Further, sampling in the vicinity of the fill area was conducted in 1984 and 1985, which resulted in the detection of Chlorinated dioxins and furans in the ash fill and PCB-1260 in the pond sediments (the pond in not part of the Site as defined for HCCS's 2018 Phase I ESA). Lastly, according to the 2012 assessment, additional sampling was conducted in 2008 in a form of a composite sample that was collected from the fill ash. The results from this sampling were reportedly below the RCRA hazardous waste limits for metals and semi-volatile organic compounds that were analyzed.

In conclusion, the future on-site building is proposed to be constructed within the area of the previous landfill. Due to the reported contamination from the 1984 and 1985 sampling and the limited sampling from the 2008 activities (one composite sample), HCCS considers the landfill area to represent an REC to the Site. It must be noted that the Client/User has requested a Phase II ESA in conjunction with this Phase I ESA; however, the Phase II ESA on-site activities will not be completed prior to the issuance of this Phase I ESA report. The Phase II ESA will be presented to the Client/User in a separate assessment.

The review of previously referenced historical sources did not reveal evidence of industrial or manufacturing activities, bulk chemical or petroleum storage/usage, or transportation activities at the Site that would likely result in a REC to the Site.

Site Vicinity

Based on the review of the historical sources described previously, the site vicinity was dominated by structures associated with the Department of Homeland Security, St. Elizabeth's Hospital, commercial type properties and residential type properties. In the 1950s and through the 2000s, structures, primarily commercial and residential were constructed in the vicinity of the Site.

The review of previously referenced historical sources did not reveal evidence of industrial or manufacturing activities, bulk chemical or petroleum storage/usage, transportation activities, large-scale solid waste disposal activities (i.e., dumping/landfilling), or other environmental concerns at the properties in the vicinity of the Site that would likely result in a REC to the Site. However, certain properties historically located in the vicinity of the Site were included on the regulatory databases reviewed for this assessment. Additional information and HCCS's conclusions regarding the off-site database listings are included in Section 5.1.

6.0 SITE RECONNAISSANCE/SITE VISIT

6.1 Methodology and Limiting Conditions

Sean Harkins, HCCS's Environmental Scientist, conducted the site visit on June 27, 2018. HCCS was unescorted during the site visit.

The site visit included the following: a) inspection of the perimeter of the Site; and b) inspection of the remaining portions of the Site by walking transects through the woods, grass-covered areas, and overgrown brush-covered areas. Limiting conditions, if applicable to the site visit, are presented in Section 2.4. Site photographs are included in Appendix A.

A Site Layout Sketch (Figure 2) is appended to this report. The Site Layout Sketch is not to scale and serves only as a reference for the major features of the Site. In addition, a site map was provided by the Client/User and is included in Appendix H of this report.

A cursory evaluation of surrounding property uses was performed from the Site's boundaries or public access ways (refer to Section 3.4).

Limiting conditions and other qualifications pertinent to this Phase I ESA are presented in Sections 2.3, 2.4, 2.5 and 2.6 of this report.

6.2 General Site Use(s) and Setting

As previously reported, there are no structures present on the Site and the Site does not appear to have any current uses. The asphalt-paved entrance and the gravel parking lot of the northern adjoining property (2720 Martin Luther King Jr Ave SE — City Wide Call Center) is present on the northern portion of the Site. A stream is present on the northeastern portion of the Site and a portion of the underground DC metro system runs through the eastern portion of the Site. The remaining portions of the Site are comprised of overgrown vegetation and wooded areas.

The northern and western portions of the Site are slightly topographically upgradient of the eastern and southern portions of the Site. The areas surrounding the Site to the north and west are generally topographically crossgradient of the Site. The areas surrounding the Site to the east are generally topographically downgradient of the Site and the areas surrounding the Site to the south are generally crossgradient of the Site.

Precipitation falling on the Site would: a) percolate into on-site soils; b) flow into the stream located near the Site's eastern border; and c) flow across the concrete paved areas onto vegetated areas.

6.3 Site Improvements

Access to the Site is via a gravel road extending from Elm Street. The Site does not include improvements such as structures, paved roads, or utilities, except for a concrete pad. The concrete pad was overgrown with vegetation: indicating it had not been used for a period of time. In addition, on the western portion of the pad, several cement block walls were constructed perpendicular to the western wall, creating several separate storage areas (possibly for landscaping or maintenance type materials such as mulch, gravel or salt). HCCS observed a gravel stockpile and construction—type materials (steel pipes, cement blocks and cement utility features) in the area of the concrete pad. HCCS did not observe any staining, pooled liquid, or odors on the concrete pad.

6.4 Additional Site Observations

During the site visit, HCCS did not observe surficial evidence of the following:

- the storage or use of hazardous substances (exclusive of janitorial/cleaning supplies and/or building maintenance supplies such as paint and joint compound, and exclusive of containers with a capacity of less than 5 gallons);
- the storage or use of petroleum products (exclusive of containers with a capacity of less than 5 gallons);
- the generation, treatment, or disposal of hazardous substances or petroleum products;
- open or damaged containers containing unidentified substances suspected of being hazardous substances or petroleum products;
- the generation, treatment, storage or disposal of hazardous wastes in connection with the use of the Site:
- drums (i.e., containers with a capacity of 55 gallons);
- current or former underground storage tanks (USTs) (e.g., vent pipes, fill caps, fuel pumps, or concrete islands);
- current aboveground storage tanks (ASTs);
- features that may be associated with former ASTs (e.g., vent pipes, fill caps, concrete foundations, containment walls, pedestals, or steel support structures);
- electrical equipment known to contain PCBs or likely to contain PCBs (excluding fluorescent light ballasts);
- hydraulic equipment known to contain PCBs or likely to contain PCBs;
- odors (i.e., strong, pungent or noxious odors indicative of hazardous substances or petroleum products);
- pools or sumps containing liquids likely to be hazardous substances or petroleum products;
- pits, ponds, or lagoons used in connection with waste disposal or waste treatment;
- stained soil (from something other than water);
- stained pavement (with the exception of staining typically observed in areas of parked vehicles);
- stressed vegetation (from something other than insufficient water);
- even though HCCS was provided information pertaining to a prior on-site landfill, HCCS was not able to discern any areas that are apparently filled or graded by non-natural causes (excluding areas that have been filled or graded in association with an engineered site development project) without the prior knowledge;
- wastewater discharges (excluding stormwater; refer to Section 6.2 and municipal wastewater; refer to Section 6.3, as applicable) into a ditch, drain, underground injection system, or stream on or adjacent to the Site;
- wells (including dry wells, irrigation wells, injection wells, abandoned wells, or other wells);
 and
- septic systems.

During the site visit, HCCS observed mounds or depressions suggesting solid waste disposal. Specifically, mounds of discarded items were observed on the Site. The items were observed in the vicinity of the off-site building identified as Building 82 and near the central portions of the Site. The materials that were observed was municipal-type trash, tires, and metal items that were not discernable.

No evidence of staining, stressed vegetation, odors, or other evidence of releases was observed in the vicinity of the items and materials described in this section. Based on observed conditions, HCCS does not consider the items and materials observed in the two areas and scattered throughout the Site to be a REC to the Site. It is HCCS's opinion that the discarded items present on the Site should be removed and properly disposed. If evidence of environmental impact is observed during these activities (e.g., staining, pooled liquids, odors, stressed vegetation, etc.) such conditions should be addressed appropriately.

7.0 INTERVIEWS

7.1 Interview with Client/User

Information obtained from Mr. Richard Staudinger, the representative for the Client/User, has been previously presented in the appropriate sections of this report. A Record of Communication with Mr. Staudinger is included in Appendix B.

7.2 Interview with Current Owner

Information obtained from Mr. Ed Fisher, the representative for the current owner of the Site, has been previously presented in the appropriate sections of this report. A Record of Communication with Mr. Fisher is included in Appendix B.

In accordance with the ASTM E1527-13 Standard Practice, Mr. Fisher was asked certain questions specific to legal/governmental proceedings involving the Site. Specifically, Mr. Fisher was asked if he knows of: (1) any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Site; and (2) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products. Mr. Fisher did not have any knowledge of the types of litigation, administrative proceedings, or notices, as listed previously, in association with the Site.

At the time of the site visit, HCCS provided Mr. Fisher, a representative of the current owner of the Site, with a copy of a Document Request Form. The form contains a listing of documents identified by the ASTM E1527-13 Standard Practice, which HCCS must request from the Client/User, the owner, and the key site manager, as applicable. A representative of the current owner did not complete the Document Request Form; however, HCCS already had been provided with a previous Phase I ESA report.

7.3 Interview with Key Site Manager

The ASTM E1527-13 Standard Practice defines the Key Site Manager as a person who has good knowledge of the uses and physical characteristics of the Site. The representative of the current owner of the Site (refer to Section 7.2) is considered to be the Key Site Manager for this assessment.

7.4 Interviews with Occupants

The Site does not currently include any occupants; therefore, no occupants were reviewed during this assessment.

7.5 Interview with Former Owner/Occupant

Due to the current and historic nature of the Site, as described in this report, interviews with past owners and occupants of the Site were not conducted for this assessment for the following reasons: a) it is Hillis-Canes' professional opinion that it is not likely that former owners/occupants would have material information regarding the potential for contamination at the Site; and b) it is HCCS's professional opinion that information obtained from interviews with former

owners/occupants (e.g., information related to former on-site conditions/operations) would likely be duplicative of information already obtained from other historical sources.

7.6 Interviews with Government Officials

As previously reported in Section 5.2, local agencies in the location of the Site require that requests for information be made in writing; therefore, interviews with representatives of these offices were not conducted and written requests for information were submitted.

8.0 FINDINGS

In accordance with the ASTM E1527-13 Standard Practice, known or suspect environmental conditions identified during the Phase I ESA, including RECs, CRECs, HRECs and de minimis conditions, as defined previously in this report, are to be summarized in this section. In addition, this section includes HCCS's opinions of the potential for impact to the Site as a result of the presence of these known or suspect environmental conditions.

- ➤ The 10.23-acre Site is located east of the intersection of Martin Luther King Jr. Ave SE and Redwood Street. There are no structures currently on-site. The asphalt-paved entrance and the gravel parking lot of the northern adjoining property (2720 Martin Luther King Jr Ave SE City Wide Call Center) is present on the northern portion of the Site. A concrete-pad was observed to the east of Building 82 and to the north of Building 83 (refer to figure 2). A stream is present on the northeastern portion of the Site and a portion of the underground DC metro system run through the eastern portion of the Site. The remaining portions of the Site is comprised of overgrown vegetation and wooded areas.
- During the site visit, HCCS did not observe surficial evidence of the following:
- the storage or use of hazardous substances (exclusive of janitorial/cleaning supplies and/or building maintenance supplies such as paint and joint compound, and exclusive of containers with a capacity of less than 5 gallons);
- the storage or use of petroleum products (exclusive of containers with a capacity of less than 5 gallons);
- the generation, treatment, or disposal of hazardous substances or petroleum products:
- open or damaged containers containing unidentified substances suspected of being hazardous substances or petroleum products;
- the generation, treatment, storage or disposal of hazardous wastes in connection with the use of the Site;
- drums (i.e., containers with a capacity of 55 gallons);
- current or former underground storage tanks (USTs) (e.g., vent pipes, fill caps, fuel pumps, or concrete islands);
- current aboveground storage tanks (ASTs);
- features that may be associated with former ASTs (e.g., vent pipes, fill caps, concrete foundations, containment walls, pedestals, or steel support structures);
- electrical equipment known to contain PCBs or likely to contain PCBs (excluding fluorescent light ballasts);
- hydraulic equipment known to contain PCBs or likely to contain PCBs;
- odors (i.e., strong, pungent or noxious odors indicative of hazardous substances or petroleum products);
- pools or sumps containing liquids likely to be hazardous substances or petroleum products;
- pits, ponds, or lagoons used in connection with waste disposal or waste treatment;
- stained soil (from something other than water);
- stained pavement (with the exception of staining typically observed in areas of parked vehicles);
- stressed vegetation (from something other than insufficient water);
- even though HCCS was provided information pertaining to a prior on-site landfill, HCCS was not able to discern any areas that are apparently filled or graded by non-natural causes

- (excluding areas that have been filled or graded in association with an engineered site development project) without the prior knowledge;
- wastewater discharges (excluding stormwater; refer to Section 6.2 and municipal wastewater; refer to Section 6.3, as applicable) into a ditch, drain, underground injection system, or stream on or adjacent to the Site;
- wells (including dry wells, irrigation wells, injection wells, abandoned wells, or other wells);
 and
- septic systems.
- During the site visit, HCCS observed the following:
- mounds or depressions suggesting solid waste disposal

Based on factors described in Section 6.4, it is HCCS's opinion that these conditions are not considered to be a REC to the Site.

- ➤ It must be noted that EDR's report identifies 2700 Martin Luther King Jr Avenue (St. Elizabeth's Hospital) and 2701 Martin Luther King Jr Avenue (GSA-Saint Elizabeth's West Campus) as being part of the Site (target property). These two addresses are included on the FINDS database. 2700 Martin Luther King Jr Avenue is located approximately 450 feet south of the Site and 2701 Martin Luther King Jr Avenue adjoins the Site to the northwest (across from Martin Luther King Jr Avenue). Therefore, for the purposes of this report, HCCS has determined that there are no on-site listings associated with the Site. Refer to the below paragraphs for information pertaining to the off-site database listings.
- > Based on HCCS's review of the historical records sources described previously, a portion of the central portion of the Site appears to be paved since at least 1937. The remaining portions of the Site were mainly vegetated, with two stables being present on the Site from at least 1927 until approximately 1995. A portion of the central area of the Site was used as a landfill that reportedly consisted of storm sewer cleanings, street sweepings, road construction debris, and incinerator fly ash. According to the prior Phase I ESA (refer to Section 5.4.7) portions of the landfill area were closed in 1983, 1987, 1988 and the remaining area closed in 1989. In addition, the 2012 assessment reported that the closure consisted of an 18 to 30 inch cap. Further, sampling in the vicinity of the fill area was conducted in 1984 and 1985, which resulted in the detection of Chlorinated dioxins and furans in the ash fill and PCB-1260 in the pond sediments (the pond in not part of the Site as defined for HCCS's 2018 Phase I ESA). Lastly, according to the 2012 assessment. additional sampling was conducted in 2008 in a form of a composite sample that was collected from the fill ash. The results from this sampling were reportedly below the RCRA hazardous waste limits for metals and semi-volatile organic compounds that were analyzed.

In conclusion, the future on-site building is proposed to be constructed within the area of the previous landfill. Due to the reported contamination from the 1984 and 1985 sampling and the limited sampling from the 2008 activities (one composite sample), HCCS considers the landfill area to represent an REC to the Site. It must be noted that the Client/User has requested a Phase II ESA in conjunction with this Phase I ESA; however, the Phase II ESA on-site activities will not be completed prior to the issuance of this Phase I ESA report. The Phase II ESA will be presented to the Client/User in a separate assessment.

- Based on the review of the historical sources described previously, the site vicinity was dominated by structures associated with the Department of Homeland Security, St. Elizabeth's Hospital, commercial type properties and residential type properties. In the 1950s and through the 2000s, structures, primarily commercial and residential were constructed in the vicinity of the Site.
- HCCS's area reconnaissance did not reveal evidence of heavy manufacturing activities (e.g., processing plants, factories, operations involving waste water/process water treatment, etc.), bulk exterior chemical or petroleum storage/usage, transportation activities, dumping/landfilling activities at the properties adjacent to and/or in the immediate vicinity of the Site that would likely result in a REC to the Site.
- Two off-site properties located within 450 feet from the Site were identified on specific state and federal databases. Based on the relatively close proximity of these properties to the Site, it is possible that impact to the Site could occur as a result of operations and/or reported releases/incidents at these properties. However, for specific reasons described in the text of this report (refer to Section 5.1) it is HCCS's opinion that these properties and any associated releases/incidents are not considered to be a REC to the Site.
- ➤ In addition to the previously referenced off-site properties, certain properties located in the vicinity of the Site were identified within the specified search distances on the regulatory databases reviewed for this assessment (refer to Section 5.1). Based on factors described in the text of this report, it is HCCS's opinion that these properties are not considered to be RECs to the Site.

9.0 CONCLUSIONS

Hillis-Carnes Engineering Associates, Inc. has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E1527-13 Standard Practice of the St. Elizabeth's 801 Shelter Relocation Project located east of the intersection of Martin Luther King Jr. Ave SE and Redwood Street in Washington DC ("Site"). Any exceptions to, or deletions from, this practice are described in Sections 2.4 and 2.5 of this report.

This assessment has revealed no evidence of Recognized Environmental Conditions (RECs) in connection with the Site except for the following: a) previous on-site landfill area (refer to Section 5.4.9). Based on the findings of this assessment, it is HCCS's opinion that additional environmental investigation at the Site is warranted.

The DC Department of the Environment (DDOE) was contacted in writing to determine if there are records of on-site spills, leaking underground storage tanks, reports of illegal dumping, or other environmental incidents. A copy of the information request letter is included in Appendix B. At the time of the completion of this assessment, information requested from the DDOE had not been received. Upon receipt of the response from the DDOE, HCCS will notify the Client/User via an addendum letter if information regarding the Site is available. It must be noted that HCCS's conclusions and/or opinions as presented in this report are based solely on the information obtained to date.

10.0 REFERENCES

Environmental Data Resources, Inc. (6 Armstrong Road, 4th Floor, Shelton, Connecticut 06484), Aerial Photo Decade Package No. 5344997.8, June 26, 2018.

Environmental Data Resources, Inc. City Directory Abstract No. 5344997.5, June 26, 2018.

Environmental Data Resources, Inc., Historical Topographic Map Report No. 5344997.4, June 26, 2018.

Environmental Data Resources, Inc., Radius Map Report No. 5344997.2s, June 26, 2018.

Environmental Data Resources, Inc., Sanborn Map Report No. 5344997.3, June 27, 2018.

Environmental Data Resources, Inc., Street Map Image Provided by ESRI.

GoogleEarth, August 1, 2018 http://www.google.com/earth.

Haley & Aldrich (7926 Jones Branch Drive, Suite 870), Phase I Environmental Site Assessment, St. Elizabeth's East Campus – North Parcel and FEMA Tracts, Martin Luther King Jr. Avenue SE, Washington DC, October 10, 2012.

Maryland Department of Assessments and Taxation, August 1, 2018 http://sdatcert3.

Maryland Department of Natural Resources, August 1, 2018 < www.md.merlin.net>.

11.0 PROFESSIONAL CREDENTIALS

Resumes for Ms. Gina L. Galimberti, HCCS Environmental Services Manager, and Mr. Sean Harkins, HCCS Environmental Scientist, are included in Appendix J.

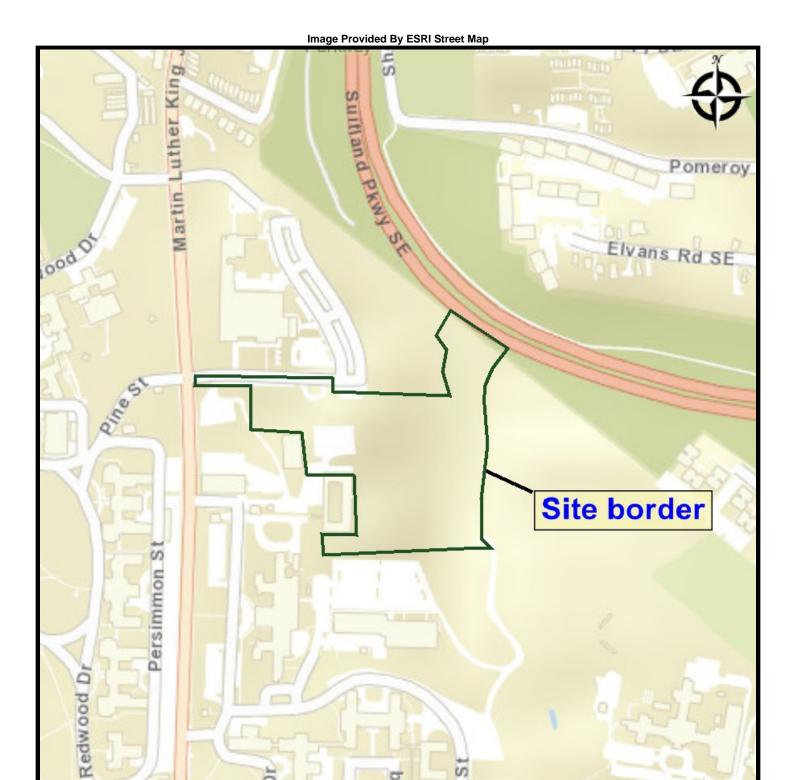




FIGURE 1 - SITE VICINITY MAP
ST. ELIZABETH'S 801 SHELTER_PH 1
Martin Luther King Jr. Avenue SE
Washington, District of Columbia 20032

PREPARED FOR: Jacobs

Boundaries are approximate

PROJ. MGR: Sean Harkins

DATE: 8/29/2018

DRAWN BY: Sean Harkins

PROJ. #: 18344B

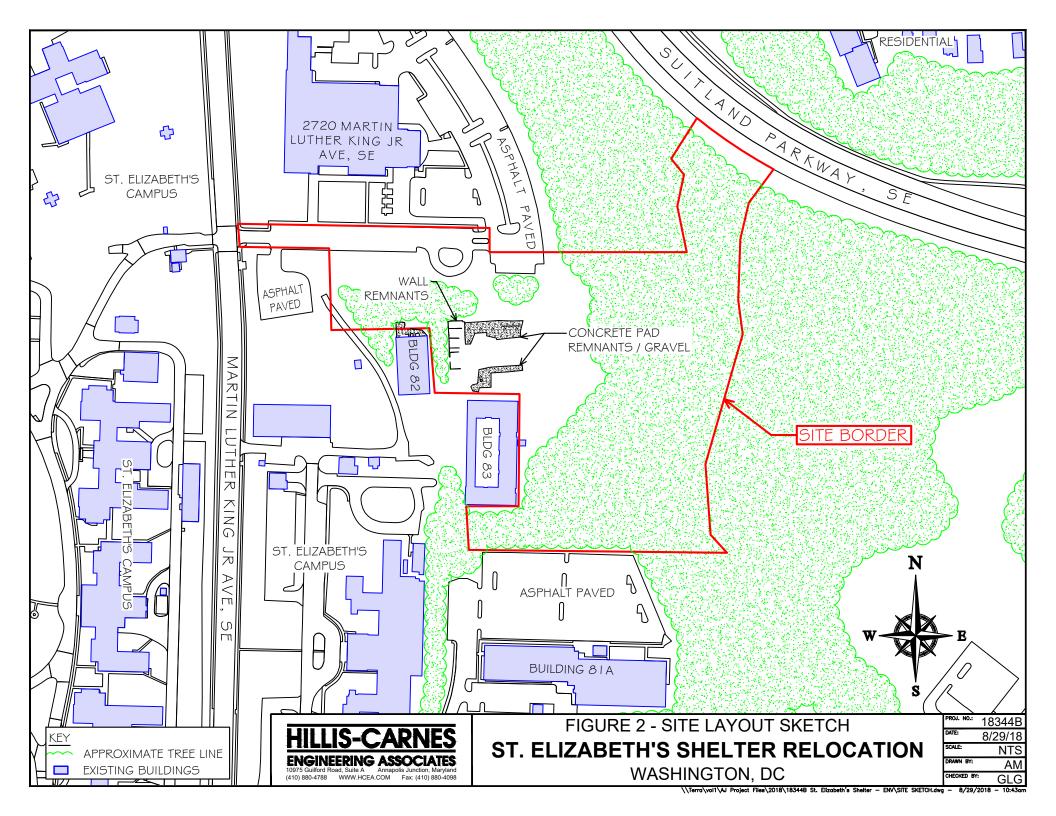


Image Provided By EDR Aerials

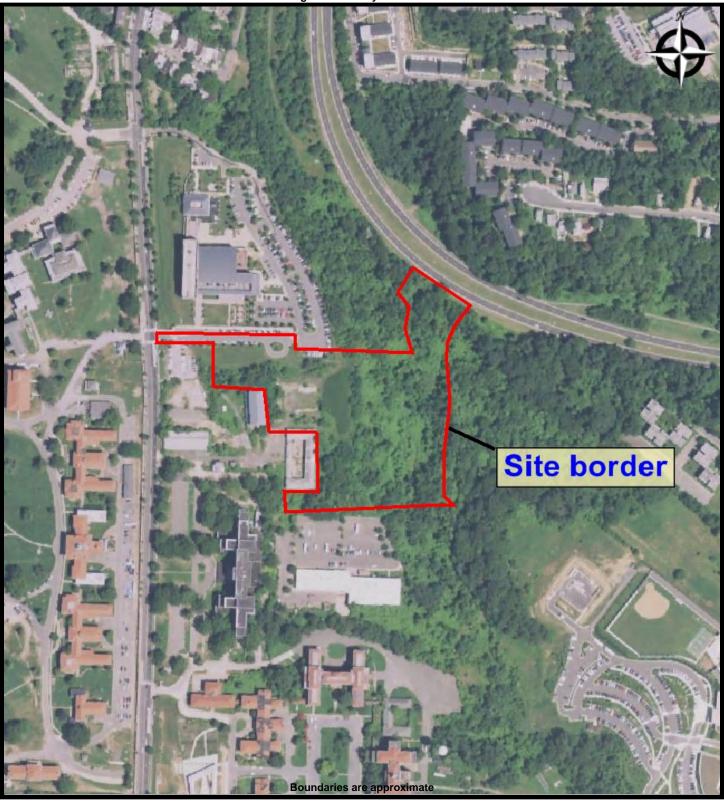




FIGURE 3 - AERIAL 2015
ST. ELIZABETH'S 801 SHELTER_PH 1
Martin Luther King Jr. Avenue SE
Washington, District of Columbia 20032

PREPARED FOR: Jacobs

PROJ. MGR: Sean Harkins

DATE: 8/29/2018

DRAWN BY: Sean Harkins

PROJ. #: 18344B

Image Provided By EDR USGS Topographic Maps

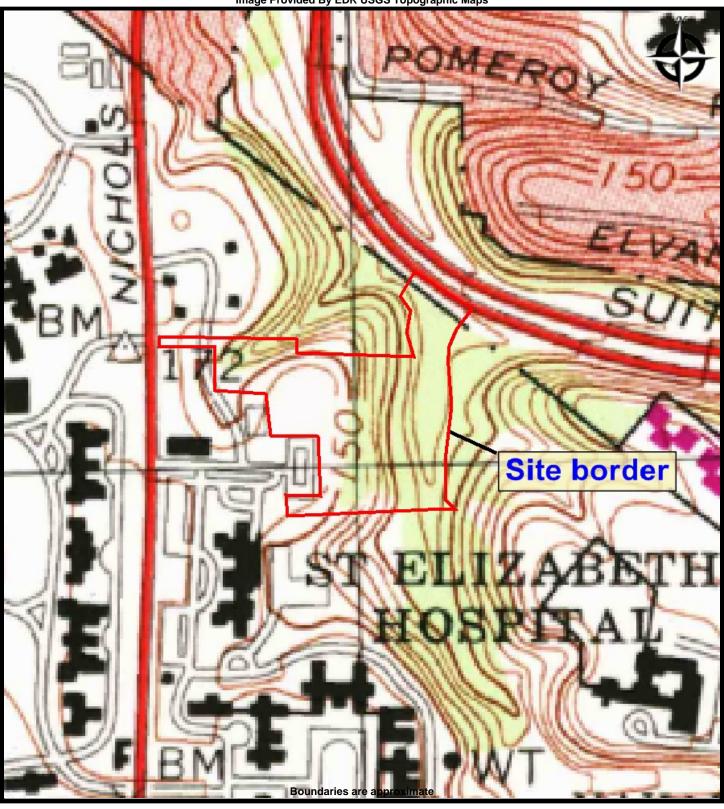




FIGURE 4 - TOPO MAP 1979
ST. ELIZABETH'S 801 SHELTER_PH 1
Martin Luther King Jr. Avenue SE
Washington, District of Columbia 20032

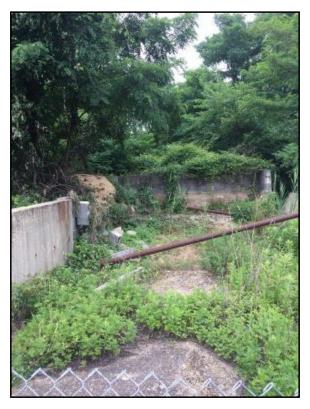
PREPARED FOR: Jacobs

PROJ. MGR: Sean Harkins

DATE: 8/29/2018

DRAWN BY: Sean Harkins

PROJ. #: 18344B



Portion of the overgrown concrete pad



Wooded area



Tires on-site



Road on the northern portion of the Site



Dense vegetation



Grass-covered and wooded area

PHASE I ENVIRONMENTAL SITE ASSESSMENT DOCUMENT REQUEST FORM

Site Name: St. Elizabeth's 801 Men's Shelter Project

The following is a list of documents that could be useful to Hillis-Carnes in conducting the Phase I Environmental Site Assessment (ESA) at the above-referenced Site. Check the appropriate boxes below, sign, and return this form along with copies of any reasonably available documents. This form and pertinent documents will be attached to and made part of the completed Phase I ESA report.

Yes	No	
K.		Environmental site assessment reports - Previously Su PRIED
	紅	Environmental compliance audit reports - Not Aware of Any
	W	Environmental permits (e.g., solid waste disposal permits, hazardous waste
		disposal permits, wastewater discharge permits, NPDES permits, etc.)
		Documents for underground storage tanks (e.g., registration forms, tightness testing
		results, specifications for upgrades, removal documents, closure letter from the
		state/district)
	Q Y	Documents for aboveground storage tanks (e.g., registration forms,
		construction specifications for secondary containment, etc.)
	(Z	Documents for underground injection systems (e.g., registration forms, permits)
	15	Material safety data sheets
	⊠	Community right-to-know plan
g	Ø	Safety plans (e.g., preparedness and prevention plans; spill prevention,
#*·a	_	countermeasure, and control plans; facility response plans, etc.)
	<u> </u>	Reports regarding hydrogeologic conditions on the Site or surrounding area - OOEE IS
	<u>08</u>	Hazardous waste generation documents (e.g., manifests, notices, reports, etc.) Geotechnical studies — UNDERCON NOW
(`)	1 33	Geotechnical studies — UNDERCOMY NOW
	<u> </u>	Risk Assessments
	M	Notices or other correspondence from any government agency relating to past
(**)		or existing violations of environmental laws with respect to the Site
0	X	Notices or other correspondence from any government agency relating to past
m	F	or existing environmental liens encumbering the Site
0	X	Recorded Activity and Use Limitations (AULs) - 201116-0FPICE OF PLANNING
	8	Current and former tenant lists - pmpeo car supper
EL		Site plans, layout drawings or sketches showing current conditions — ALREADY SUPPLED
u O)X-	Building plans (e.g., utility, structural, architectural, etc.) NA - CLEARED SITE
	<u>ur</u> -	Disclosure of sumps, pits, drainage systems – existence and location
LJ m	×	Current and historical photographs of the Site - None Knapn
0 0 0	X X	Title report/chain of title - ER FISHER - OMPEO BEST CONTACT
1.2		Documents related to any of the items on the <u>User Questionnaire</u> (to be completed
	by the	user) that were answered in the affirmative N_{A}

I have reviewed the above list and have provided copies of documents that exist that could be obtained within reasonable time and cost constraints.

_ W RICHAM	20 STAUDINGE	R
Printed Name	COBS	
Compony Name	71-21871184	
Phone Number	and Andrew	9/24/2018
Signature	7,7	Date

PHASE I ENVIRONMENTAL SITE ASSESSMENT **USER QUESTIONNAIRE**

Site Name: St. Elizabeth's 801 Men's Shelte	r Project
following inquiries. The user should provide	er Liability Protections (LLPs) offered by the Small Busines: Act of 2002 (the "Brownfields Act"), the user must conduct the e the following information to the environmental professional result in a determination that "all appropriate inquiries" is
either. (1) engage a title company, real estate atton ascertainable records for environmental liens and Al negotiate such an engagement of a title company, rescope of work to be performed by the environmental pra) Did a search of recorded land title record environmental liens or activity and use limitat restrictions, or institutional controls filed or record	Limitations (AULs) that are filed or recorded against the Site (40 s of the ASTM E 1527-13 Standard Practice, the user should ney, or title professional to undertake a review of reasonable ULs currently recorded against or relating to the Site, or (2 eal estate attorney, or title professional as an addition to the rofessional. Is (or judicial records, where appropriate) identify any ions (AULs - such as engineering controls, land user ded against the Site under federal, tribal, state/district, or fives, please provide details:
b) Is the answer in item 1 a) based on information professional? Yes or No	n provided by a title company, real estate attorney, or title
 Specialized knowledge or experience of the person polynomial polynomial. Specialized knowledge or experience or experience or you in the same line of business as the current or you would have specialized knowledge of the chemical yes or you lifyes, please provided. 	in seeking to qualify for the LLP (40 CFR 312.28): ince related to the Site or nearby properties? For example, former occupants of the Site or an adjoining property so that is and processes used by this type of business?
 Relationship of the purchase price to the fair mark Does the purchase price being paid for this Site rea Yes or No or Not Applicable i.e., a purchase 	et value of the Site, (40 CFR 312.29): sonably reflect the fair market value of the Site? chase price does not apply to this transaction)
If the above answer is "No", have you considered when which will be present at the Site?	nether the lower purchase price is because contamination is
For example:	ascertainable information about the Site that would help is indicative of releases or threatened releases?
a) Do you know the past uses of the Site?	ANT OR AGRICULTURAL YES OF NO
b) Do you know of specific chemicals that are present o c) Do you know of spills or other chemical releases that	the state of the s
d) Do you know of any environmental cleanups that have	re taken place at the Site? Yes or No
If the answer is "Yes" to any of the above, please provid	
- 40 to the containination by appropriate investigation (4	to the Site, are there any obvious indicators that naint to
14/ 7 . 4-8	
Printed Name Horang Strucker Company	
Signature	

Date

Signature

Sean Harkins

From: Staudinger, Richard/DCA <Richard.Staudinger@jacobs.com>

Sent: Monday, July 16, 2018 2:50 PM

To: Sean Harkins

Cc: Tom.Ryburn@jacobs.com

Subject: RE: St. Elizabeth's 801 Men's Shelter Project_Ph. I Questions

Will get you the attachments this week. See responses below in RED

W. Richard Staudinger, PE Senior Technologist D 1 571 218 1184 M 1 561 310 5510

CH2M is now Jacobs.

www.jacobs.com

From: Sean Harkins [mailto:sharkins@hcea.com]
Sent: Wednesday, July 11, 2018 10:32 AM
To: Richard.Staudinger@jacobs.com

Cc: Tom.Ryburn@jacobs.com

Subject: [EXTERNAL] St. Elizabeth's 801 Men's Shelter Project Ph. I Questions

Mr. Staudinger,

As part of our Phase I ESA of the St. Elizabeth's property, HCEA is required to ask you certain questions pertaining to the Site, as well as attempting to have you complete and return two documents. At your earliest convenience, please answer the below questions (the same questions will be asked of the owner) and complete and return the two attached documents.

- A) Do you have any knowledge of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substance or petroleum products in, on, or from the property? No pending litigation or administrative procedures to my knowledge anywhere on East Campus. Hazardous materials and petroleum product residue have been encountered on East Campus and properly disposed of in coordination with DOEE.
- b) B) Do you have any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relative to hazardous substances or petroleum products? No notices from any governmental entities of this nature have been received for East Campus.
 - C) Are you aware of any known environmental problems/liens/concerns at the property? Not aware of any liens or "problems", but area has high natural arsenic, fly ash disposal areas along the north portion of the site, and some residual petroleum contaminants and heavy metal contaminants have been discovered in utility trench excavation work underway on the south portion of the site.

Thank you for your time, Sean

Sean Harkins | Environmental Scientist HILLIS-CARNES ENGINEERING ASSOCIATES

Corporate Headquarters 10975 Guilford Road, Suite A Annapolis Junction, MD 20701 Cell (443) 960-6610 Phone +1 (410) 880-4788 X1147 Fax +1 (410) 880-4098 Email sharkins@hcea.com Website www.hcea.com



LinkedIn in

MD * DC * DE * PA * VA * Caribbean

2018 ENR Top 500 Design Firm #335



This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or reproduction of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone or email. Thank you.

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

Sean Harkins

From: Fisher, Ed (EOM) < Ed.Fisher2@dc.gov>
Sent: Thursday, July 12, 2018 3:28 PM

To: Sean Harkins

Cc: Parks, James (EOM); Simmons, Vanassa (DGS)

Subject: FW: St. Elizabeth's 801 Men's Shelter Project_Ph. I Questions

Attachments: DRF_St. Elizabeth's 801 Men's Shelter Project.pdf; AMT Survey - St Elizabeth Mens

Shelter 05-21-18drs.pdf

Hi Sean,

I answered your questions below in **bold** type. I have cc'd James Parks, Project Manager, who can assist with any requested documents.

-Ed

From: Sean Harkins [mailto:sharkins@hcea.com]
Sent: Wednesday, July 11, 2018 10:42 AM
To: Fisher, Ed (EOM) < Ed.Fisher2@dc.gov>

Subject: St. Elizabeth's 801 Men's Shelter Project_Ph. I Questions

Mr. Fisher,

My name is Sean Harkins and I am conducting a Phase I ESA at the St. Elizabeth's 801 Men's Shelter property for Jacobs. Mr. Richard Staudinger, with Jacobs, provided me with your contact information as the representative of the current owner. As part of our Phase I ESA of the St. Elizabeth's property, HCEA is required to ask the owner or representative of the owner certain questions pertaining to the Site, as well as attempting to have them complete and return a document request form. At your earliest convenience, please answer the below questions and complete and return the attached document. I have attached an image depicting the site border for your convenience.

-) A) Do you have any knowledge of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substance or petroleum products in, on, or from the property? **No.**
- B) B) Do you have any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relative to hazardous substances or petroleum products? **No.**
 - C) Are you aware of any known environmental problems/liens/concerns at the property? **There may be fly ash on portions of the site.**
 - D) Do you have any knowledge of any current/former buildings on the Site? If yes, please provide the current/former uses/operations of said buildings. I have no knowledge that there are or were any buildings on the site.
 - E) Do you have any knowledge of any current/former underground storage tanks on the Site? No.
 - F) Do you have any knowledge of any current/former aboveground storage tanks on the Site? No.
 - G) Is there a well or septic located on the Site? No.
 - H) Do you have any knowledge of any hazardous substances currently/formerly being used/stored on the Site? No.

I) Do you have any knowledge of past uses/operations of the Site. No.

Feel free to reach out to me if you have any questions or conerns.

Thank you for your time, Sean

Sean Harkins | Environmental Scientist HILLIS-CARNES ENGINEERING ASSOCIATES

Corporate Headquarters 10975 Guilford Road, Suite A Annapolis Junction, MD 20701 Cell (443) 960-6610 Phone +1 (410) 880-4788 X1147 Fax +1 (410) 880-4098 Email sharkins@hcea.com Website www.hcea.com





MD * DC * DE * PA * VA * Caribbean

2018 ENR Top 500 Design Firm #335



This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or reproduction of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone or email. Thank you.

St. Elizabeths 801 Shelter

Martin Luther King Jr. Avenue SE Washington, DC 20032

Inquiry Number: 5344997.2s

June 26, 2018

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map.	2
Detail Map	 3
Map Findings Summary.	4
Map Findings.	7
Orphan Summary.	
Government Records Searched/Data Currency Tracking	GR-1
GEOCHECK ADDENDUM	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-6
Physical Setting Source Map Findings.	A-7
Physical Setting Source Records Searched.	PSGR-1

Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

MARTIN LUTHER KING JR. AVENUE SE WASHINGTON, DC 20032

COORDINATES

Latitude (North): 38.8523750 - 38° 51' 8.55" Longitude (West): 76.9931670 - 76° 59' 35.40"

Universal Tranverse Mercator: Zone 18 UTM X (Meters): 327038.2 UTM Y (Meters): 4302074.5

Elevation: 108 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 6051364 ANACOSTIA, DC

Version Date: 2014

Southwest Map: 5950781 ALEXANDRIA, VA

Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150722 Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
MARTIN LUTHER KING JR. AVENUE SE
WASHINGTON, DC 20032

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1		2700 MARTIN LUTHER K	ERNS		TP
A2		2700 MARTIN LUTHER K	ERNS		TP
A3	ST ELIZABETHS MENTAL	2700 MARTIN LUTHER K	RCRA NonGen / NLR		TP
A4	DC ST. ELIZABETHS HO	2700 M.L. KING JR. A	DC RGA LUST		TP
A5		2700 MARTIN LUTHER K	ERNS		TP
A6	YOUTH CENTER DIX BUI	2700 MARTIN LUTHER K	ICIS, FINDS, ECHO		TP
A7	HEALTH & HUMAN SERVI	2700 MARTIN LUTHER K	MLTS		TP
A8	ST ELIZABETH HOSPITA	2700 MARTIN L KING B	PA MANIFEST		TP
A9	ST ELIZABETH'S MENTA	2700 MARTIN LUTHER K	PA MANIFEST		TP
A10	GSA ST ELIZABETHS WE	2700 MARTIN LUTHER K	PA MANIFEST		TP
A11		2700 M.L. KING JR.AV	DC RGA LUST		TP
A12	SAINT ELIZABETHS HOS	2700 MARTIN LUTHER K	NY MANIFEST		TP
A13	SAINT ELIZABETH HOSP	2700 MARTIN LUTHER K	PA MANIFEST		TP
A14	SAINT ELIZABETH HOSP	2700 M.L. KING JR. A	DC RGA LUST		TP
A15	DC DEPARTMENT OF MEN	2700 M L KING JR AV	DC LUST, DC BROWNFIELDS		TP
A16		ST. ELIZABETH HOSPIT	ERNS		TP
A17		2700 MARTIN LUTHER K	ERNS		TP
A18		2700 MARTIN LUTHER K	ERNS		TP
A19		2700 MARTIN LUTHER K	ERNS		TP
A20		MARTIN LUTHER KING,	FINDS		TP
A21	ST ELIZABETHS HOSPIT	2700 M L KING JR AV	DC LUST, DC UST		TP
A22	DC DEPARTMENT OF MEN	2700 M L KING JR AV	DC LUST		TP
A23	GSA-SAINT ELIZABETH'	2701 MARTIN LURTHER	SEMS-ARCHIVE, RCRA-CESQG, NY MANIFEST		TP
Reg	BOLLING AIR FORCE BA		DOD	Same	3750, 0.710, WSW
Reg	NAVAL STATION ANACOS		DOD	Same	2815, 0.533, WNW
24		2695 MLK JR AV SE	DC BROWNFIELDS	Higher	586, 0.111, NW
B25	DEPARTMENT OF HOMELA	2701 MARTIN LUTHER K	RCRA-CESQG	Higher	594, 0.112, SW
B26	UNKNOWN	2701 MARTIN LUTHER K	DC LUST	Higher	594, 0.112, SW
27	US COAST GUARD HEADQ	2703 MARTIN LUTHER K	RCRA-CESQG	Higher	820, 0.155, SW
28	PARKWAY HOUSE	2652 M L KING JR AV	DC UST	Lower	1311, 0.248, NNW
29	OFF OF PUBLIC EDUCAT	2620 DOUGLAS RD SE	DC LUST	Higher	1546, 0.293, NE
30	ST. ELIZABETHS HOSPI	1100 ALABAMA AVE SE	SEMS	Higher	1830, 0.347, SE
C31		2458 MARTIN L. KING,	DC BROWNFIELDS	Lower	1989, 0.377, NNW
C32	UNKNOWN	2302-2312 MARTIN LUT	DC LUST	Lower	1989, 0.377, NNW
C33		2442-2452 MARTIN L.	DC BROWNFIELDS	Lower	1989, 0.377, NNW
C34	MATTHEW MEMORIAL BAP	2616 M L KING JR AV	DC LUST	Lower	1989, 0.377, NNW
C35		2500 MARTIN L. KING,	DC BROWNFIELDS	Lower	1989, 0.377, NNW
36	OXFORD MANOR APARTME	2607 BOWEN RD SE	DC LUST	Lower	2016, 0.382, North
37	LONG BROTHERS CLEANE	655 LEBAUM ST., SE	SEMS	Higher	2052, 0.389, SSW

MAPPED SITES SUMMARY

Target Property Address:
MARTIN LUTHER KING JR. AVENUE SE
WASHINGTON, DC 20032

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
38	AK JK LLC	2917 M L KING JR AV	DC LUST	Higher	2164, 0.410, SSW
39	WMATA	2501 M L KING JR AV	DC LUST	Lower	2319, 0.439, NNW
40	STAR ENTERPRISE	2502 M L KING JR AV	DC LUST	Lower	2637, 0.499, North
41	CAMP SIMMS - FED FAC	15 ST. & MLK JR. BLV	ROD	Higher	4067, 0.770, SE
D42	ANACOSTIA NS		UXO	Lower	4183, 0.792, West
D43	ANACOSTIA NS		UXO	Lower	4183, 0.792, West
44	MMRP - C03DC003602 -		UXO	Lower	4483, 0.849, SE

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
2700 MARTIN LUTHER K 2700 MARTIN LUTHER K WASHINGTON D.C., XX 20020	ERNS NRC Report #: 289146	N/A
2700 MARTIN LUTHER K 2700 MARTIN LUTHER K WASHINGTON, DC	ERNS NRC Report #: 386638	N/A
ST ELIZABETHS MENTAL 2700 MARTIN LUTHER K WASHINGTON, DC 20032	RCRA NonGen / NLR EPA ID:: DCP000003524	DCP000003524
DC ST. ELIZABETHS HO 2700 M.L. KING JR. A WASHINGTON, DC	DC RGA LUST Facility ID: 8-000662	N/A
2700 MARTIN LUTHER K 2700 MARTIN LUTHER K WASHINGTON, DC	ERNS NRC Report #: 305690	N/A
YOUTH CENTER DIX BUI 2700 MARTIN LUTHER K WASHINGTON, DC 20032	ICIS FRS ID:: 110010792749 FINDS Registry ID:: 110010792749 ECHO Registry ID: 110010792749	N/A
HEALTH & HUMAN SERVI 2700 MARTIN LUTHER K WASHINGTON, DC 20032	MLTS License Number:: 08-15484-01	N/A
ST ELIZABETH HOSPITA 2700 MARTIN L KING B WASHINGTON, DC 20032	PA MANIFEST Generator EPA ld: DC9751305997	N/A
ST ELIZABETH'S MENTA 2700 MARTIN LUTHER K WASHINGTON, DC 20032	PA MANIFEST	N/A

Generator EPA Id: DCP000003524

GSA ST ELIZABETHS WE 2700 MARTIN LUTHER K WASHINGTON, DC 20032	PA MANIFEST Generator EPA ld: DCR000501270	N/A
2700 M.L. KING JR.AV 2700 M.L. KING JR.AV WASHINGTON, DC	DC RGA LUST Facility ID: 8-000662	N/A
SAINT ELIZABETHS HOS 2700 MARTIN LUTHER K WASHINGTON, DC 20032	NY MANIFEST EPA ID: DC9751305997	N/A
SAINT ELIZABETH HOSP 2700 MARTIN LUTHER K WASHINGTON, DC 20032	PA MANIFEST Generator EPA ld: DCP000003353	N/A
SAINT ELIZABETH HOSP 2700 M.L. KING JR. A WASHINGTON, DC	DC RGA LUST Facility ID: 8-000662	N/A
DC DEPARTMENT OF MEN 2700 M L KING JR AV WASHINGTON, DC	DC LUST Lust Number: 2008009 Product: H,U Facility Status: Closed Facility Id: 8000662	N/A
	DC BROWNFIELDS PB ID: PBF2004-0063	
ST. ELIZABETH HOSPIT ST. ELIZABETH HOSPIT WASHINGTON, DC	ERNS	N/A
2700 MARTIN LUTHER K 2700 MARTIN LUTHER K WASHINGTON, DC 20032	ERNS NRC Report #: 446095	N/A
2700 MARTIN LUTHER K 2700 MARTIN LUTHER K WASHINGTON, DC 20032	ERNS NRC Report #: 446088	N/A
2700 MARTIN LUTHER K 2700 MARTIN LUTHER K WASHINGTON, DC	ERNS	N/A

NRC Report #: 326675

MARTIN LUTHER KING, FINDS N/A

MARTIN LUTHER KING, Registry ID:: 110020883294 WASHINGTON, DC

ST ELIZABETHS HOSPIT DC LUST N/A

2700 M L KING JR AV
WASHINGTON, DC 20020
Lust Number: 95068
Product: G

Facility Status: Closed

Facility Id: 8000662

DC UST

Facility Id: 8000662

Tank Status: Permanently Out of Use Tank Status: Temporarily Out of Use

DC DEPARTMENT OF MEN DC LUST N/A

2700 M L KING JR AV
WASHINGTON, DC
Lust Number: 88008
Product: G,D,W
Facility Status: Closed

Facility Id: 8000662

GSA-SAINT ELIZABETH' SEMS-ARCHIVE DCR000501270 2701 MARTIN LURTHER RCRA-CESQG

2701 MARTIN LURTHER RCRA-CESQG WASHINGTON, DC 20032 EPA ID:: DCR000501270

NY MANIFEST

EPA ID: DCR000501270

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

Proposed NPL..... Proposed National Priority List Sites

NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF...... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

Federal institutional controls / engineering controls registries

LUCIS.....Land Use Control Information System

State- and tribal - equivalent CERCLIS

DC SHWS...... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal

NPL list.

State and tribal landfill and/or solid waste disposal site lists

DC SWF/LF..... Solid Waste Facility Listing

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST...... Underground Storage Tank Listing DC AST...... List of Aboveground Storage Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

DC VCP.......Voluntary Cleanup Program Sites INDIAN VCP......Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI....... Open Dump Inventory IHS OPEN DUMPS...... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL...... Delisted National Clandestine Laboratory Register US CDL...... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

DC HIST UST..... Historical UST Listing

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR_____ Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION...... 2020 Corrective Action Program List

TSCA...... Toxic Substances Control Act

TRIS...... Toxic Chemical Release Inventory System

FTTS......FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS..... Incident and Accident Data

CONSENT...... Superfund (CERCLA) Consent Decrees

INDIAN RESERV.....Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA...... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US MINES...... Mines Master Index File
ABANDONED MINES..... Abandoned Mines

DOCKET HWC..... Hazardous Waste Compliance Docket Listing

FUELS PROGRAM..... EPA Fuels Program Registered Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

DC RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 05/18/2018 has revealed that there are 2 SEMS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ST. ELIZABETHS HOSPI	1100 ALABAMA AVE SE	SE 1/4 - 1/2 (0.347 mi.)	30	40
LONG BROTHERS CLEANE	655 LEBAUM ST., SE	SSW 1/4 - 1/2 (0.389 mi.)	37	44

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) 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 the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DEPARTMENT OF HOMELA	2701 MARTIN LUTHER K	SW 0 - 1/8 (0.112 mi.)	B25	35
US COAST GUARD HEADQ	2703 MARTIN LUTHER K	SW 1/8 - 1/4 (0.155 mi.)	27	37

State and tribal leaking storage tank lists

DC LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Consumer and Regulatory Affairs' District of Columbia LUST Cases list.

A review of the DC LUST list, as provided by EDR, and dated 10/20/2017 has revealed that there are 8 DC LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNKNOWN Lust Number: 2012016 Product: H Facility Status: NFA Facility Id: 8006007	2701 MARTIN LUTHER K	SW 0 - 1/8 (0.112 mi.)	B26	37
OFF OF PUBLIC EDUCAT Lust Number: 2002012 Product: H Facility Status: Closed Facility Id: 8001274	2620 DOUGLAS RD SE	NE 1/4 - 1/2 (0.293 mi.)	29	40
AK JK LLC Lust Number: 97043 Product: G Facility Status: Closed Facility Id: 8000029	2917 M L KING JR AV	SSW 1/4 - 1/2 (0.410 mi.)	38	45
Lower Elevation	Address	Direction / Distance	Map ID	Page
UNKNOWN Lust Number: 2007035 Product: H Facility Status: Closed Facility Id: 8006004	2302-2312 MARTIN LUT	NNW 1/4 - 1/2 (0.377 mi.)	C32	42
MATTHEW MEMORIAL BAP	2616 M L KING JR AV	NNW 1/4 - 1/2 (0.377 mi.)	C34	43

Lust Number: 98043

Product: H

Facility Status: Closed

Facility Id: 8004242				
OXFORD MANOR APARTME Lust Number: 90059 Lust Number: 92085 Lust Number: 2005024 Product: H Facility Status: Closed Facility Id: 8000005	2607 BOWEN RD SE	N 1/4 - 1/2 (0.382 mi.)	36	44
WMATA Lust Number: 92009 Product: G,D Facility Status: Closed Facility Id: 8000115	2501 M L KING JR AV	NNW 1/4 - 1/2 (0.439 mi.)	39	46
STAR ENTERPRISE Lust Number: 90052	2502 M L KING JR AV	N 1/4 - 1/2 (0.499 mi.)	40	46

Product: G

Facility Status: Closed Facility Id: 8000683

State and tribal registered storage tank lists

DC UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Consumer & Regulatory Affairs' D.C. UST Database List.

A review of the DC UST list, as provided by EDR, and dated 06/07/2017 has revealed that there is 1 DC UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PARKWAY HOUSE Facility Id: 8004243	2652 M L KING JR AV	NNW 1/8 - 1/4 (0.248 mi.)	28	40
Tank Status: Permanently Out of Use				

State and tribal Brownfields sites

DC BROWNFIELDS: A listing of potential brownfields site locations.

A review of the DC BROWNFIELDS list, as provided by EDR, and dated 08/17/2017 has revealed that there are 4 DC BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported PB ID: PBF2004-0208	2695 MLK JR AV SE	NW 0 - 1/8 (0.111 mi.)	24	35
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2458 MARTIN L. KING,	NNW 1/4 - 1/2 (0.377 mi.)	C31	42

PB ID: PBF2004-0203
PB ID: PBF2004-0202

Not reported 2442-2452 MARTIN L. NNW 1/4 - 1/2 (0.377 mi.) C33 43
PB ID: PBF2004-0201

Not reported 2500 MARTIN L. KING, NNW 1/4 - 1/2 (0.377 mi.) C35 43
PB ID: PBF2004-0204

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there are 2 DOD sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOLLING AIR FORCE BA		WSW 1/2 - 1 (0.710 mi.)	0	34
NAVAL STATION ANACOS		WNW 1/2 - 1 (0.533 mi.)	0	35

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 01/09/2018 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CAMP SIMMS - FED FAC	15 ST. & MLK JR. BLV	SE 1/2 - 1 (0.770 mi.)	41	47

UXO: A listing of unexploded ordnance site locations

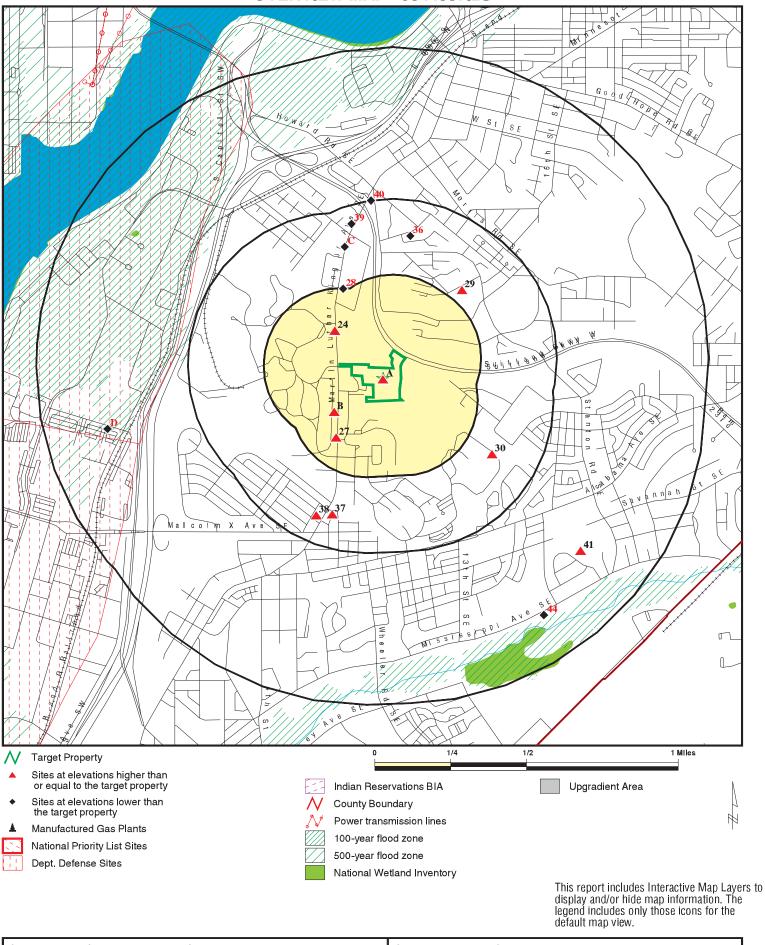
A review of the UXO list, as provided by EDR, and dated 09/30/2016 has revealed that there are 3 UXO sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ANACOSTIA NS		W 1/2 - 1 (0.792 mi.)	D42	47
ANACOSTIA NS		W 1/2 - 1 (0.792 mi.)	D43	47
MMRP - C03DC003602 -		SE 1/2 - 1 (0.849 mi.)	44	47

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

Site Name	Database(s)			
ANACOSTIA DRUM SITE	SEMS-ARCHIVE			
UNKNOWN	DC LUST			
MERCHANDISE MART PROPERTIES INC	DC LUST			
GENERAL SERVICES ADMINISTRATION	DC LUST			
UNKNOWN	DC LUST			
OFF OF PUBLIC EDUCATION FACILITIES	DC LUST			

OVERVIEW MAP - 5344997.2S



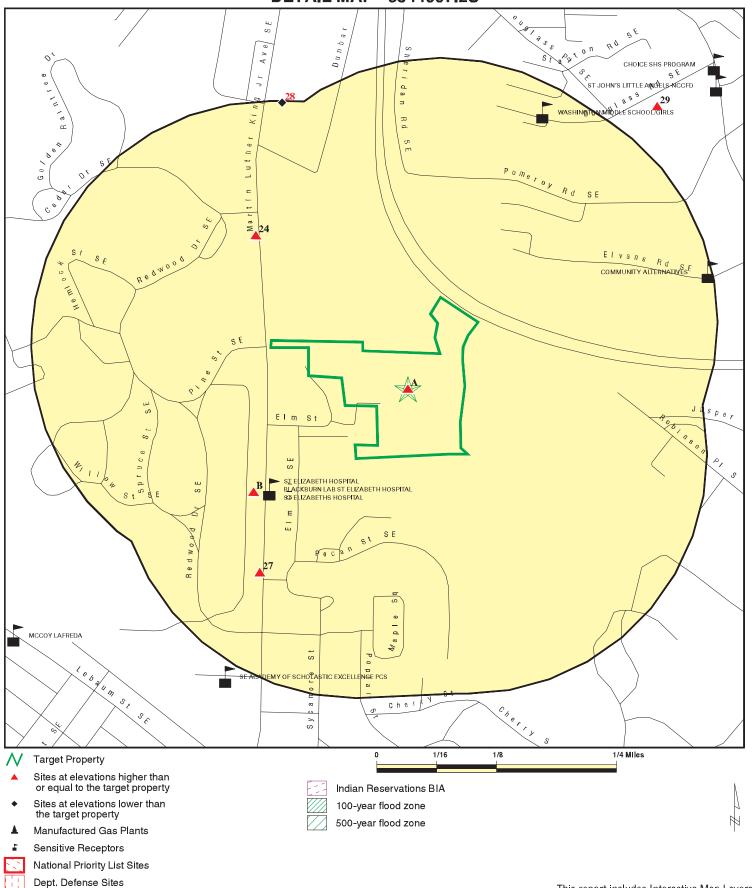
SITE NAME: St. Elizabeths 801 Shelter

ADDRESS: Martin Luther King Jr. Avenue SE

CLIENT: Hillis-Carnes Eng. Assoc. CONTACT: Sean Harkins

Washington DC 20032 LAT/LONG: 38.852375 / 76.993167 INQUIRY #: 5344997.2s DATE: June 26, 2018 3:59 pm

DETAIL MAP - 5344997.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: St. Elizabeths 801 Shelter

ADDRESS: Martin Luther King Jr. Avenue SE

Washington DC 20032 LAT/LONG: 38.852375 / 76.993167 CLIENT: Hillis-Carnes Eng. Assoc. CONTACT: Sean Harkins

INQUIRY #: 5344997.2s

DATE: June 26, 2018 3:59 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
STANDARD ENVIRONMENT	AL RECORDS								
Federal NPL site list									
NPL Proposed NPL NPL LIENS	1.000 1.000 0.001		0 0 0	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0	
Federal Delisted NPL site	e list								
Delisted NPL	1.000		0	0	0	0	NR	0	
Federal CERCLIS list									
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 2	NR NR	NR NR	0 2	
Federal CERCLIS NFRAP site list									
SEMS-ARCHIVE	0.500	1	0	0	0	NR	NR	1	
Federal RCRA CORRACTS facilities list									
CORRACTS	1.000		0	0	0	0	NR	0	
Federal RCRA non-COR	RACTS TSD f	acilities list							
RCRA-TSDF	0.500		0	0	0	NR	NR	0	
Federal RCRA generator	s list								
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250	1	0 0 1	0 0 1	NR NR NR	NR NR NR	NR NR NR	0 0 3	
Federal institutional controls / engineering controls registries									
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0	
Federal ERNS list									
ERNS	0.001	7	0	NR	NR	NR	NR	7	
State- and tribal - equivalent CERCLIS									
DC SHWS	1.000		0	0	0	0	NR	0	
State and tribal landfill and/or solid waste disposal site lists									
DC SWF/LF	0.500		0	0	0	NR	NR	0	
State and tribal leaking storage tank lists									
DC LUST INDIAN LUST	0.500 0.500	3	1 0	0 0	7 0	NR NR	NR NR	11 0	
State and tribal registered storage tank lists									
FEMA UST	0.250		0	0	NR	NR	NR	0	

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DC UST DC AST INDIAN UST	0.250 0.250 0.250	1	0 0 0	1 0 0	NR NR NR	NR NR NR	NR NR NR	2 0 0
State and tribal voluntary	cleanup site	es						
DC VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	lds sites							
DC BROWNFIELDS	0.500	1	1	0	3	NR	NR	5
ADDITIONAL ENVIRONMEN	TAL RECORDS	<u>3</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	olid							
INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL US CDL	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
Local Lists of Registered	Storage Tan	ıks						
DC HIST UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST 2020 COR ACTION TSCA TRIS SSTS ROD RMP	0.250 1.000 1.000 0.500 0.001 0.001 0.250 0.001 0.001 1.000 0.001	1	0 0 0 0 0 0 0 0 0	0 0 0 NR NR 0 NR NR NR NR	NR 0 0 NR NR NR NR NR NR NR	NR 0 2 NR NR NR NR NR NR NR NR	NR NR NR NR NR NR NR NR NR NR NR	1 0 2 0 0 0 0 0 0 0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001	1	0	NR	NR	NR	NR	1
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001	1	0	NR	NR	NR	NR	1
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001	•	0	NR	NR	NR	NR	0
FINDS	0.001	2	0	NR	NR	NR	NR	2
ECHO	0.001	1	0	NR	NR	NR	NR	1
UXO	1.000		0	0	0	3	NR	3
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250 0.250	2	0 0	0 0	NR NR	NR NR	NR NR	0
NY MANIFEST PA MANIFEST	0.250	2 4	0	0	NR NR	NR NR	NR NR	2 4
PA MANIFEST	0.250	4	U	U	INK	INK	INK	4
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
DC RGA LF	0.001		0	NR	NR	NR	NR	0
DC RGA LUST	0.001	3	Ō	NR	NR	NR	NR	3
- Totals		29	3	2	12	6	0	52
		-	-			-	-	-

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

Α1 **ERNS** 95289146 N/A

2700 MARTIN LUTHER KING A **Target** WASHINGTON D.C., XX 20020 **Property**

Site 1 of 23 in cluster A

Actual: 108 ft.

Click this hyperlink while viewing on your computer to access

additional ERNS detail in the EDR Site Report.

A2 ERNS 97386638 N/A

2700 MARTIN LUTHER KING **Target**

Property WASHINGTON, DC

Site 2 of 23 in cluster A

Actual: Click this hyperlink while viewing on your computer to access 108 ft.

additional ERNS detail in the EDR Site Report.

А3 ST ELIZABETHS MENTAL HOSPITAL RCRA NonGen / NLR 1014388367 2700 MARTIN LUTHER KING AVENUE SE DCP000003524 **Target**

WASHINGTON, DC 20032 **Property**

Site 3 of 23 in cluster A

Actual: RCRA NonGen / NLR:

108 ft. Date form received by agency: 03/21/2011

> Facility name: ST ELIZABETHS MENTAL HOSPITAL Facility address: 2700 MARTIN LUTHER KING AVENUE SE

> > WASHINGTON, DC 20032

EPA ID: DCP000003524

NEW YORK AVENUE NW Mailing address:

4TH FLOOR

WASHINGTON, DC 20002

Contact: ASHA GOEL Contact address: DIX STREET NE

WASHINGTON, DC 20019

Contact country: US

Contact telephone: 202-457-0111 Contact email: ASHA@8A.COM

EPA Region: 03

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: DISTRICT OF COLUMBIA - DMH MARTIN LUTHER KING SE Owner/operator address:

WASHINGTON, DC 20032

Owner/operator country: US

Owner/operator telephone: Not reported Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: State

Owner/Operator Type: Operator Owner/Op start date: 01/01/1990 Owner/Op end date: Not reported

DISTRICT OF COLUMBIA - DMH Owner/operator name: Owner/operator address: MARTIN LUTHER KING HIGHWAY SE

Direction Distance Elevation

Site Database(s) **EPA ID Number**

ST ELIZABETHS MENTAL HOSPITAL (Continued)

1014388367

EDR ID Number

WASHINGTON, DC 20032

Owner/operator country: US

Owner/operator telephone: Not reported Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: State Owner/Operator Type: Operator Owner/Op start date: 01/01/1990 Owner/Op end date: Not reported

DISTRICT OF COLUMBIA - DMH Owner/operator name: MARTIN LUTHER KING SE Owner/operator address:

WASHINGTON, DC 20032

Owner/operator country: US

Owner/operator telephone: Not reported Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: State Owner/Operator Type: Owner Owner/Op start date: 01/01/1990 Owner/Op end date:

DISTRICT OF COLUMBIA - DMH Owner/operator name: Owner/operator address: MARTIN LUTHER KING HIGHWAY SE

Not reported

WASHINGTON, DC 20032

Owner/operator country: US

Owner/operator telephone: Not reported Owner/operator email: Not reported Not reported Owner/operator fax: Owner/operator extension: Not reported Legal status: State Owner/Operator Type: Owner 01/01/1990 Owner/Op start date: Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Historical Generators:

Date form received by agency: 09/22/2010

Direction Distance

EDR ID Number Elevation **EPA ID Number** Site Database(s)

ST ELIZABETHS MENTAL HOSPITAL (Continued)

1014388367

S116377940

N/A

Site name: ST ELIZABETH'S MENTAL HOSPITAL Classification: Conditionally Exempt Small Quantity Generator

Waste code:

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

> LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D039

Waste name: **TETRACHLOROETHYLENE**

Waste code: F002

THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE. Waste name:

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Violation Status: No violations found

DC ST. ELIZABETHS HOSPITAL, BLDG #81 DC RGA LUST Α4 Target 2700 M.L. KING JR. AVE SE

Property WASHINGTON, DC

Site 4 of 23 in cluster A

Actual: RGA LUST:

108 ft. 2012 DC ST. ELIZABETHS HOSPITAL, BLDG #81 2700 M.L. KING JR.

AVE SE

2011 DC ST. ELIZABETHS HOSPITAL, BLDG #81 2700 M.L. KING JR.

AVE SE

2010 DC ST. ELIZABETHS HOSPITAL, BLDG #81 2700 M.L. KING JR.

AVE SE

DC ST. ELIZABETHS HOSPITAL, BLDG #81 2700 M.L. KING JR. 2009

AVE SE

2008 DC ST. ELIZABETHS HOSPITAL, BLDG #81 2700 M.L. KING JR.

AVE SE

ERNS 95305690 Α5 2700 MARTIN LUTHER KING N/A

Target Property WASHINGTON, DC

Site 5 of 23 in cluster A

Actual: Click this hyperlink while viewing on your computer to access 108 ft.

additional ERNS detail in the EDR Site Report.

Direction Distance

Elevation Site Database(s) EPA ID Number

A6 YOUTH CENTER DIX BUILDING ICIS 1004456364
Target 2700 MARTIN LUTHER KING JR AVE FINDS N/A

Property WASHINGTON, DC 20032

Site 6 of 23 in cluster A

Actual: 108 ft.

ICIS:

Enforcement Action ID: 03-1989-0587 FRS ID: 03-1989-0587

Action Name: YOUTH CENTER - DIX BUILDING
Facility Name: YOUTH CENTER DIX BUILDING
Facility Address: 2700 MARTIN LUTHER KING JR AVE

WASHINGTON, DC 20032

Enforcement Action Type: TSCA Notice Of Non Compliance Facility County: DISTRICT OF COLUMBIA

Program System Acronym: ICIS

Enforcement Action Forum Desc: Administrative - Formal

EA Type Code: **TSCANON** Facility SIC Code: Not reported Federal Facility ID: Not reported Latitude in Decimal Degrees: 38.84936 -76.995978 Longitude in Decimal Degrees: Permit Type Desc: Not reported Program System Acronym: 14323 Facility NAICS Code: Not reported Tribal Land Code: Not reported

Facility Name: YOUTH CENTER DIX BUILDING
Address: 2700 MARTIN LUTHER KING JR AVE

Tribal Indicator: N

Fed Facility: Not reported NAIC Code: Not reported SIC Code: Not reported

Facility Name: YOUTH CENTER DIX BUILDING
Address: 2700 MARTIN LUTHER KING JR AVE

Tribal Indicator: N

Fed Facility: Not reported NAIC Code: Not reported SIC Code: Not reported

FINDS:

Registry ID: 110010792749

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all

EDR ID Number

ECHO

Direction Distance

Elevation Site Database(s) **EPA ID Number**

YOUTH CENTER DIX BUILDING (Continued)

1004456364

MLTS

PA MANIFEST

1006335195

N/A

EDR ID Number

Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004456364 Registry ID: 110010792749

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110010792749

Α7 **HEALTH & HUMAN SERVICES, DEPT. OF** 2700 MARTIN LUTHER KING JR.AVE **Target Property**

WASHINGTON, DC 20032

Site 7 of 23 in cluster A

Actual: MLTS:

108 ft. License Number: 08-15484-01 First License Date: 11/07/90 License Date: 09/28/98 11/30/00 Lic. Expiration Date: Contact Name: JULIA GOREY

Contact Phone: 202-373-6200 Institution Code: 15484

NIMH NEUROSCIENCE CENTER AT::ST. ELIZABETHS Department/Bldg:

States Allowing Use: Not reported

Store Material Use: No Redistribution Use: No Incinerate Use: No **Burial Use:** No Last Inspection Date: 12/01/96 Next Inspection Date: 12/01/01 Licensee Contact: **RSO**

Inspector Name: JULIA GOREY(301-435-6364)

A8 ST ELIZABETH HOSPITAL **Target** 2700 MARTIN L KING BLVD SE WASHINGTON, DC 20032 **Property**

Site 8 of 23 in cluster A

Actual: Manifest Details: 108 ft.

2012 Year:

Manifest Number: 009238304JJK Manifest Type: TSD Copy DC9751305997 Generator EPA Id: Generator Date: 05/09/2012 Mailing Address: Not reported

TC5344997.2s Page 11

S109247525

N/A

Direction Distance Elevation

tion Site Database(s) EPA ID Number

ST ELIZABETH HOSPITAL (Continued)

S109247525

EDR ID Number

Mailing City, St, Zip: Not reported Not reported Contact Name: Contact Phone: 443-829-7897 TSD EPA Id: Not reported TSD Date: Not reported CYCLE CHEM INC TSD Facility Name: TSD Facility Address: 550 INDUSTRIAL DR TSD Facility City: **LEWISBERRY**

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D008
Container Number: 1

Container Type: Metal drums, barrels, kegs

Waste Quantity: 95
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD067098822
Date TSP Sig: Not reported

Year: 2011

Manifest Number: 007662798JJK Manifest Type: TSD Copy Generator EPA Id: DC9751305997 Generator Date: 09/08/2011 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported 443-829-7897 Contact Phone: TSD EPA Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D008
Container Number: 6

Container Type: Metal drums, barrels, kegs

Waste Quantity: 1200
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011

Manifest Number: 001052136GBF TSD Copy Manifest Type: DC9751305997 Generator EPA Id: 10/26/2011 Generator Date: Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 443-829-7897

Direction
Distance

Elevation Site Database(s) EPA ID Number

ST ELIZABETH HOSPITAL (Continued)

S109247525

EDR ID Number

TSD EPA Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

 Page Number:
 1

 Line Number:
 1

 Waste Number:
 D005

 Container Number:
 16

Container Type: Metal drums, barrels, kegs

Waste Quantity: 8000
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2009

004728384JJK Manifest Number: TSD Copy Manifest Type: DC9751305997 Generator EPA Id: Generator Date: 11/06/2009 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 443-829-7897 TSD EPA Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: U002
Container Number: 1

Container Type: Metal drums, barrels, kegs

Waste Quantity: 75
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2009

Manifest Number: 004728384JJK Manifest Type: TSD Copy DC9751305997 Generator EPA Id: Generator Date: 11/06/2009 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 443-829-7897 TSD EPA Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC

Direction Distance

Elevation Site Database(s) EPA ID Number

ST ELIZABETH HOSPITAL (Continued)

S109247525

EDR ID Number

TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 1

Container Type: Fiberboard or plastic drums, barrels, kegs

Waste Quantity: 5

Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2009

Manifest Number: 004728384JJK Manifest Type: TSD Copy DC9751305997 Generator EPA Id: 11/06/2009 Generator Date: Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 443-829-7897 TSD EPA Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 3
Waste Number: NONE
Container Number: 23

Container Type: Metal drums, barrels, kegs

Waste Quantity: 13800
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2009

004728384JJK Manifest Number: Manifest Type: TSD Copy Generator EPA Id: DC9751305997 Generator Date: 11/06/2009 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 443-829-7897 TSD EPA Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Direction Distance Elevation

tion Site Database(s) EPA ID Number

ST ELIZABETH HOSPITAL (Continued)

S109247525

EDR ID Number

Facility Telephone: Not reported

Page Number: 1
Line Number: 4
Waste Number: NONE
Container Number: 2

Container Type: Metal drums, barrels, kegs

Waste Quantity: 300
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2009

Manifest Number: 004728298JJK Manifest Type: TSD Copy DC9751305997 Generator EPA Id: Generator Date: 10/02/2009 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 443-829-7897 TSD EPA Id: PAD067098822 TSD Date: Not reported CYCLE CHEM INC TSD Facility Name: TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1

Container Type: Metal drums, barrels, kegs

Waste Quantity: 150
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2009

Manifest Number: 004728384JJK Manifest Type: TSD Copy DC9751305997 Generator EPA Id: 11/06/2009 Generator Date: Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 443-829-7897 TSD EPA Id: PAD067098822 TSD Date: Not reported CYCLE CHEM INC TSD Facility Name: TSD Facility Address: 550 INDUSTRIAL DRIVE TSD Facility City: **LEWISBERRY**

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ST ELIZABETH HOSPITAL (Continued)

S109247525

Waste Number: D001 Container Number:

Container Type: Metal drums, barrels, kegs

Waste Quantity: 75 Unit: Pounds Not reported Handling Code: TSP EPA Id: Not reported Date TSP Sig: Not reported

Year: 2007

000252991FLE Manifest Number: Manifest Type: Not reported DC9751305997 Generator EPA Id: Generator Date: 06/15/2007 Mailing Address: Not reported Mailing City, St, Zip: Not reported JOSE CRUZ Contact Name: 443-829-7897 Contact Phone: TSD EPA Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: **LEWISBERRY**

TSD Facility State: PΑ

Facility Telephone: Not reported

Page Number: Line Number: Waste Number: D002 Container Number: 2

Fiberboard or plastic drums, barrels, kegs Container Type:

Waste Quantity: 500 Unit: Pounds Handling Code: Not reported TSP EPA Id: Not reported Date TSP Sig: Not reported

> Click this hyperlink while viewing on your computer to access additional PA_MANIFEST: detail in the EDR Site Report.

ST ELIZABETH'S MENTAL HOSPITAL Α9 **Target** 2700 MARTIN LUTHER KING AVE WASHINGTON, DC 20032 Property

PA MANIFEST S118891564 N/A

Site 9 of 23 in cluster A

Actual: Manifest Details: 108 ft.

2015 Year:

Manifest Number: 008059468FLE TSD Copy Manifest Type: Generator EPA Id: DCP000003524 Generator Date: 03/04/2015 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 202-457-0111 TSD EPA Id: Not reported TSD Date: Not reported TSD Facility Name: Cycle Chem Inc

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ST ELIZABETH'S MENTAL HOSPITAL (Continued)

S118891564

TSD Facility Address: 550 Industrial Rd TSD Facility City: Lewisberry TSD Facility State: PΑ Facility Telephone: Not reported

Page Number:

Line Number: Waste Number: D001 Container Number:

Container Type: Fiberboard or plastic drums, barrels, kegs

Waste Quantity: Unit: Pounds Handling Code: Not reported TSP EPA Id: PAD067098822 Date TSP Sig: Not reported

A10 **GSA ST ELIZABETHS WEST CAMPUS Target** 2700 MARTIN LUTHER KING JR AVE WASHINGTON, DC 20032 **Property**

PA MANIFEST S111770376 N/A

Site 10 of 23 in cluster A

Actual: 108 ft.

Manifest Details:

2015 Year:

014669359JJK Manifest Number: TSD Copy Manifest Type: Generator EPA Id: DCR000501270 Generator Date: 12/01/2015 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD EPA Id: Not reported TSD Date: Not reported TSD Facility Name: Cycle Chem Inc 550 Industrial Rd TSD Facility Address: Lewisberry TSD Facility City: TSD Facility State: PA Facility Telephone: Not reported

Page Number: 1 Line Number: 1 Waste Number: F005 Container Number:

Container Type: Fiberboard or plastic drums, barrels, kegs

Waste Quantity: 75 Unit: Pounds Handling Code: Not reported PAD067098822 TSP EPA Id: Date TSP Sig: Not reported

Year: 2015

Manifest Number: 014669359JJK Manifest Type: **TSD Copy** Generator EPA Id: DCR000501270 Generator Date: 12/01/2015 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

GSA ST ELIZABETHS WEST CAMPUS (Continued)

S111770376

EDR ID Number

TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Cycle Chem Inc
TSD Facility Address: 550 Industrial Rd
TSD Facility City: Lewisberry

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1

Container Type: Fiberboard or plastic drums, barrels, kegs

Waste Quantity: 75
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD067098822
Date TSP Sig: Not reported

Year: 2015

Manifest Number: 015277245JJK TSD Copy Manifest Type: DCR000501270 Generator EPA Id: Generator Date: 12/04/2015 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD EPA Id: Not reported Not reported TSD Date: Cycle Chem Inc TSD Facility Name: TSD Facility Address: 550 Industrial Rd TSD Facility City: Lewisberry

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 2
Waste Number: D008
Container Number: 2

Container Type: Fiber or plastic boxes, cartons, cases

Waste Quantity: 1200
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD067098822
Date TSP Sig: Not reported

Year: 2015

Manifest Number: 015277245JJK Manifest Type: TSD Copy Generator EPA Id: DCR000501270 Generator Date: 12/04/2015 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD EPA Id: Not reported Not reported TSD Date: TSD Facility Name: Cycle Chem Inc

Direction Distance Elevation

vation Site Database(s) EPA ID Number

GSA ST ELIZABETHS WEST CAMPUS (Continued)

S111770376

EDR ID Number

TSD Facility Address: 550 Industrial Rd
TSD Facility City: Lewisberry
TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D008
Container Number: 10

Container Type: Metal drums, barrels, kegs

Waste Quantity: 200
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD067098822
Date TSP Sig: Not reported

Year: 2015

014669359JJK Manifest Number: Manifest Type: TSD Copy DCR000501270 Generator EPA Id: Generator Date: 12/01/2015 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported Not reported TSD EPA Id: TSD Date: Not reported Cycle Chem Inc TSD Facility Name: TSD Facility Address: 550 Industrial Rd TSD Facility City: Lewisberry

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: F003
Container Number: 1

Container Type: Fiberboard or plastic drums, barrels, kegs

Waste Quantity: 75
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD067098822
Date TSP Sig: Not reported

Year: 2015

014669359JJK Manifest Number: Manifest Type: TSD Copy Generator EPA Id: DCR000501270 Generator Date: 12/01/2015 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD EPA Id: Not reported Not reported TSD Date: TSD Facility Name: Cycle Chem Inc TSD Facility Address: 550 Industrial Rd

TSD Facility City: Lewisberry

TSD Facility State: PA

Direction Distance Elevation

Site Database(s) **EPA ID Number**

GSA ST ELIZABETHS WEST CAMPUS (Continued)

EDR ID Number

S111770376

Facility Telephone: Not reported Page Number: 1 Line Number: 1

Waste Number: D035 Container Number:

Fiberboard or plastic drums, barrels, kegs Container Type:

Waste Quantity: 75 Unit: Pounds Handling Code: Not reported TSP EPA Id: PAD067098822 Date TSP Sig: Not reported

Year: 2014

Manifest Number: 012246124JJK Manifest Type: TSD Copy DCR000501270 Generator EPA Id: Generator Date: 06/06/2014 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD EPA Id: Not reported TSD Date: Not reported TSD Facility Name: Cycle Chem Inc 550 Industrial Rd TSD Facility Address:

TSD Facility City: Lewisberry

TSD Facility State: PΑ

Facility Telephone: Not reported

Page Number: Line Number: D006 Waste Number: Container Number: 12

Container Type: Metal drums, barrels, kegs

Waste Quantity: 2800 Pounds Unit: Handling Code: Not reported TSP EPA Id: PAD067098822 Date TSP Sig: Not reported

2014 Year:

Manifest Number: 012246124JJK Manifest Type: TSD Copy DCR000501270 Generator EPA Id: Generator Date: 06/06/2014 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD EPA Id: Not reported TSD Date: Not reported Cycle Chem Inc TSD Facility Name: TSD Facility Address: 550 Industrial Rd

TSD Facility City: Lewisberry TSD Facility State:

Facility Telephone: Not reported

Page Number: Line Number: 2

Direction Distance

Elevation Site Database(s) EPA ID Number

GSA ST ELIZABETHS WEST CAMPUS (Continued)

S111770376

EDR ID Number

Waste Number: D004 Container Number: 13

Container Type: Metal drums, barrels, kegs

Waste Quantity: 7700
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD067098822
Date TSP Sig: Not reported

Year: 2014

Manifest Number: 012246124JJK Manifest Type: TSD Copy DCR000501270 Generator EPA Id: Generator Date: 06/06/2014 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD EPA Id: Not reported Not reported TSD Date: TSD Facility Name: Cycle Chem Inc TSD Facility Address: 550 Industrial Rd TSD Facility City: Lewisberry TSD Facility State: PΑ Facility Telephone: Not reported

Page Number: 1

Line Number: 2
Waste Number: D010
Container Number: 13

Container Type: Metal drums, barrels, kegs

Waste Quantity: 7700
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD067098822
Date TSP Sig: Not reported

Year: 2014

Manifest Number: 012246124JJK Manifest Type: TSD Copy Generator EPA Id: DCR000501270 Generator Date: 06/06/2014 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD EPA Id: Not reported TSD Date: Not reported TSD Facility Name: Cycle Chem Inc TSD Facility Address: 550 Industrial Rd TSD Facility City: Lewisberry TSD Facility State: PA Facility Telephone: Not reported

Page Number: 1
Line Number: 2
Waste Number: D008
Container Number: 13

Container Type: Metal drums, barrels, kegs

Direction Distance

Elevation Site Database(s) **EPA ID Number**

GSA ST ELIZABETHS WEST CAMPUS (Continued)

S111770376

EDR ID Number

7700 Waste Quantity: Unit: Pounds Handling Code: Not reported TSP EPA Id: PAD067098822 Date TSP Sig: Not reported

> Click this hyperlink while viewing on your computer to access 562 additional PA_MANIFEST: record(s) in the EDR Site Report.

A11 DC RGA LUST S116375553

N/A

Target 2700 M.L. KING JR.AVE, SE **Property** WASHINGTON, DC

Site 11 of 23 in cluster A

Actual: RGA LUST:

108 ft. 2011 2700 M.L. KING JR.AVE, SE

NY MANIFEST \$119069264 SAINT ELIZABETHS HOSPITAL A12 2700 MARTIN LUTHER KING AVENUE **Target** N/A

WASHINGTON, DC 20032 **Property**

Site 12 of 23 in cluster A

NY MANIFEST: Actual: 108 ft.

Country: USA

EPA ID: DC9751305997 Facility Status: Not reported

2700 MARTIN LUTHER KING AVENUE Location Address 1:

Code:

Location Address 2: Not reported Total Tanks: Not reported WASHINGTON Location City:

Location State: DC Location Zip: 20032 Location Zip 4: Not reported

NY MANIFEST:

EPAID: DC9751305997

Mailing Name: SAINT ELIZABETHS HOSPITAL

Mailing Contact: LYNN SCHWARTZ

Mailing Address 1: 2700 MARTIN LUTHER KING AVENUE

Mailing Address 2: Not reported Mailing City: WASHINGTON

Mailing State: DC Mailing Zip: 20032 Mailing Zip 4: Not reported Mailing Country: USA Mailing Phone: 8005833974

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PA MANIFEST

S110048505

N/A

A13 SAINT ELIZABETH HOSPITAL WEST CAMPUS **Target**

2700 MARTIN LUTHER KING HWY SE

WASHINGTON, DC 20032 **Property**

Site 13 of 23 in cluster A

Actual: 108 ft.

Manifest Details:

2009 Year:

006215738JJK Manifest Number: Manifest Type: TSD Copy Generator EPA Id: DCP000003353 Generator Date: 06/25/2009 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 202-369-2759 PAD067098822 TSD EPA Id: TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC 550 INDUSTRIAL DRIVE TSD Facility Address:

TSD Facility City: **LEWISBERRY**

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: Line Number: 2 Waste Number: D001 Container Number:

Container Type: Fiberboard or plastic drums, barrels, kegs

Waste Quantity: 30

Unit: Gallons (liquids only) Handling Code: Not reported TSP EPA Id: Not reported Date TSP Sig: Not reported

2009 Year:

Manifest Number: 006215738JJK Manifest Type: TSD Copy Generator EPA Id: DCP000003353 Generator Date: 06/25/2009 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 202-369-2759 TSD EPA Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: **LEWISBERRY**

TSD Facility State: PΑ

Facility Telephone: Not reported

Page Number: 1 Line Number: 1 Waste Number: D001 Container Number:

Fiberboard or plastic drums, barrels, kegs Container Type:

Waste Quantity:

Unit: Gallons (liquids only) Handling Code: Not reported TSP EPA Id: Not reported

Direction Distance Elevation

ance EDR ID Number vation Site Database(s) EPA ID Number

SAINT ELIZABETH HOSPITAL WEST CAMPUS (Continued)

S110048505

Date TSP Sig: Not reported

Year: 2008

Manifest Number: 000193327JJK Manifest Type: TSD Copy Generator EPA Id: DCP000003353 Generator Date: 03/25/2008 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported 202-369-2759 Contact Phone: TSD EPA Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1

Container Type: Metal drums, barrels, kegs

Waste Quantity: 200
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008

Manifest Number: 000193327JJK Manifest Type: TSD Copy Generator EPA Id: DCP000003353 Generator Date: 03/25/2008 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 202-369-2759 TSD EPA Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 1

Container Type: Wooden drums, barrels, kegs

Waste Quantity: 200
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SAINT ELIZABETH HOSPITAL WEST CAMPUS (Continued)

S110048505

Manifest Number: 000848185JJK Manifest Type: TSD Copy Generator EPA Id: DCP000003353 Generator Date: 03/25/2008 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: 202-369-2759 TSD EPA Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: **LEWISBERRY**

TSD Facility State: PΑ

Facility Telephone: Not reported

Page Number: Line Number: 1 Waste Number: D001 Container Number:

Cargo tanks (tank trucks) Container Type:

Waste Quantity: 2005

Unit: Gallons (liquids only)

Handling Code: Not reported TSP EPA Id: Not reported Date TSP Sig: Not reported

SAINT ELIZABETH HOSPITAL A14 **Target**

2700 M.L. KING JR. AVE, SE

WASHINGTON, DC **Property**

DC RGA LUST S116380052

DC BROWNFIELDS

N/A

N/A

Site 14 of 23 in cluster A

Actual:

RGA LUST:

108 ft. 2012 SAINT ELIZABETH HOSPITAL 2700 M.L. KING JR. AVE, SE

2700 M.L. KING JR. AVE, SE 2010 SAINT ELIZABETH HOSPITAL SAINT ELIZABETH HOSPITAL 2009 2700 M.L. KING JR. AVE, SE 2008 SAINT ELIZABETH HOSPITAL 2700 M.L. KING JR. AVE, SE

A15 DC DEPARTMENT OF MENTAL HEALTH

Target 2700 M L KING JR AV SE

DC LUST S108931609

Property WASHINGTON, DC

Site 15 of 23 in cluster A

Actual: LUST:

108 ft. Facility ID: 8000662

Facility Type: Hospital Facility Status: Closed Product: H,U

Heating Oil, Used Product Decode: 2007-09-20 00:00:00 Notification Date: Entry Date: 2008-05-21 00:00:00

Quadrant: SE Ward: Ward 8 Media Of Contamination: Soil Lust Number: 2008009

Direction Distance

Elevation Site Database(s) EPA ID Number

DC DEPARTMENT OF MENTAL HEALTH (Continued)

S108931609

N/A

N/A

EDR ID Number

BROWNFIELD:

PB ID: PBF2004-0063

 Ownership:
 NCRC

 Size (sf):
 513974

 Phase I:
 unknown

 Phase II:
 unknown

 Lot:
 0001

 Square:
 5868-5

Latitude/Longitude: 38.92558818 / -76.9924312

Notes: WS: Other

A16 ERNS 8866369

Target ST. ELIZABETH HOSPITAL 2700 MARTIN LUTHER KING AVE, SE

Property WASHINGTON, DC

Site 16 of 23 in cluster A

Actual:
108 ft. Click this hyperlink while viewing on your computer to access

additional ERNS detail in the EDR Site Report.

A17 ERNS 98446095

Target 2700 MARTIN LUTHER KING

Property WASHINGTON, DC 20032

Site 17 of 23 in cluster A

Actual:

108 ft. Click this hyperlink while viewing on your computer to access

additional ERNS detail in the EDR Site Report.

A18 ERNS 98446088
Target 2700 MARTIN LUTHER KING N/A

Target 2700 MARTIN LUTHER KING Property WASHINGTON, DC 20032

Site 18 of 23 in cluster A

Actual:
108 ft. Click this hyperlink while viewing on your computer to access

additional ERNS detail in the EDR Site Report.

A19 ERNS 96326675

Target 2700 MARTIN LUTHER KING N/A

Property WASHINGTON, DC

Site 19 of 23 in cluster A

Actual:
Click this hyperlink while viewing on your computer to access

108 ft. additional ERNS detail in the EDR Site Report.

Direction Distance

Elevation Site Database(s) EPA ID Number

A20 FINDS 1008213249

MARTIN LUTHER KING, JR. AVE., SE N/A

Property WASHINGTON, DC

Site 20 of 23 in cluster A

Actual: 108 ft.

Target

FINDS:

Registry ID: 110020883294

Environmental Interest/Information System

US EPA Air Quality System (AQS) contains ambient air pollution data

collected by EPA, State, Local, and Tribal air pollution control

agencies from thousands of monitoring stations.

Click this hyperlink while viewing on your computer to access

additional FINDS: detail in the EDR Site Report.

8000662

A21 ST ELIZABETHS HOSPITAL DC LUST
Target 2700 M L KING JR AV SE DC UST

WASHINGTON, DC 20020 Site 21 of 23 in cluster A

Actual: LUST:

Property

108 ft. Facility ID: Facility Type:

Facility Type: Hospital
Facility Status: Closed
Product: G
Product Decode: Gasoline

Notification Date: 2011-03-10 00:00:00 Entry Date: 1995-07-08 00:00:00

Quadrant: SE
Ward: Ward 8
Media Of Contamination: Soil
Lust Number: 95068

UST:

Facility ID: 8000662

Owner: DC DEPARTMENT OF MENTAL HEALTH

Tank ID:

Tank Status: Permanently Out of Use

Tank Capacity: 3000 Substance: Diesel AST: FALSE

Tank ID: 2

Tank Status: Permanently Out of Use

Tank Capacity: 1000 Substance: Diesel AST: FALSE

Tank ID: 3

Tank Status: Permanently Out of Use

Tank Capacity: 10000

EDR ID Number

U003541309

N/A

Direction
Distance

Elevation Site Database(s) EPA ID Number

ST ELIZABETHS HOSPITAL (Continued)

U003541309

EDR ID Number

Substance: Diesel AST: FALSE

Tank ID:

Tank Status: Permanently Out of Use

Tank Capacity: 10000 Substance: Gasoline AST: FALSE

Tank ID: 5

Tank Status: Permanently Out of Use

Tank Capacity: 10000 Substance: Gasoline AST: FALSE

Tank ID: 6

Tank Status: Permanently Out of Use

Tank Capacity: 300

Substance: Waste/Used Oil

AST: FALSE

Tank ID: 7

Tank Status: Permanently Out of Use

Tank Capacity: 6000 Substance: Diesel AST: FALSE

Tank ID: 8

Tank Status: Temporarily Out of Use

Tank Capacity: 3000
Substance: Diesel
AST: FALSE

Tank ID: 9

Tank Status: Temporarily Out of Use

Tank Capacity: 3000 Substance: Diesel AST: FALSE

Tank ID: 10

Tank Status: Permanently Out of Use

Tank Capacity: 1000
Substance: Heating Oil
AST: FALSE

Tank ID: 11

Tank Status: Permanently Out of Use

Tank Capacity: 55
Substance: Unknown

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ST ELIZABETHS HOSPITAL (Continued)

U003541309

AST: **FALSE**

Tank ID: 12

Tank Status: **Permanently Out of Use**

Tank Capacity: 1200 Other Substance: **FALSE** AST:

A22 DC DEPARTMENT OF MENTAL HEALTH DC LUST S104517492

N/A

2700 M L KING JR AV SE **Target Property** WASHINGTON, DC

Site 22 of 23 in cluster A

LUST: Actual: 108 ft.

Facility ID: 8000662 Facility Type: Hospital Facility Status: Closed Product: G,D,W

Gasoline, Diesel, Waste Oil Product Decode: Notification Date: 1988-04-27 00:00:00 1988-04-27 00:00:00 Entry Date:

Quadrant: SE Ward: Ward 8 Media Of Contamination: Soil Lust Number: 88008

A23 **GSA-SAINT ELIZABETH'S WEST CAMPUS** 2701 MARTIN LURTHER KING JR. AVENUE SE **Target** WASHINGTON, DC 20032 **Property**

SEMS-ARCHIVE 1016170582 DCR000501270 RCRA-CESQG **NY MANIFEST**

Site 23 of 23 in cluster A

Actual: SEMS Archive:

108 ft. Site ID:

306929 DCR000501270 EPA ID:

Cong District: 1 FIPS Code: 11001 FF:

NPL: Not on the NPL

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 3 Site ID: 306929 DCR000501270 EPA ID:

GSA-SAINT ELIZABETH'S WEST CAMPUS Site Name:

NPL: Ν FF: OU: 0 Action Code: DS Action Name: **DISCVRY**

SEQ:

2013-03-18 00:00:00 Start Date: Finish Date: 2013-03-18 00:00:00 Qual: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

GSA-SAINT ELIZABETH'S WEST CAMPUS (Continued)

1016170582

EDR ID Number

Current Action Lead: EPA Perf In-Hse

 Region:
 3

 Site ID:
 306929

 EPA ID:
 DCR000501270

Site Name: GSA-SAINT ELIZABETH'S WEST CAMPUS

 NPL:
 N

 FF:
 Y

 OU:
 0

 Action Code:
 VS

Action Name: ARCH SITE

SEQ:

 Start Date:
 2014-05-08 00:00:00

 Finish Date:
 2014-05-08 00:00:00

 Qual:
 Not reported

 Current Action Lead:
 EPA Perf

Region: 3 Site ID: 306929

EPA ID: DCR000501270

Site Name: GSA-SAINT ELIZABETH'S WEST CAMPUS

 NPL:
 N

 FF:
 Y

 OU:
 0

 Action Code:
 RX

 Action Name:
 FF PA

 SEO:
 1

Start Date: 2014-03-31 00:00:00 Finish Date: 2014-05-08 00:00:00

Qual: N
Current Action Lead: Fed Fac

RCRA-CESQG:

Date form received by agency: 03/19/2015

Facility name: GSA - SAINT ELIZABETH'S WEST CAMPUS Facility address: 2701 MARTIN LUTHER KING JR. AVENUE

SE

WASHINGTON, DC 20032

EPA ID: DCR000501270
Mailing address: 7TH STREET SW

ROOM 2080

WASHINGTON, DC 20407

Contact: FONDA CORBITT

Contact address: 7TH STREET SW ROOM 2080

WASHINGTON, DC 20407

Contact country: US

Contact telephone: 000-000-0000

Contact email: FONDA.CORBITT@GSA.GOV

EPA Region: 03 Land type: Federal

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or

Distance Elevation

Site Database(s) EPA ID Number

GSA-SAINT ELIZABETH'S WEST CAMPUS (Continued)

1016170582

EDR ID Number

other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: GSA NATIONAL CAPITAL REGION - POTAMAC SC

Owner/operator address: 7TH STREET SW ROOM 2080

WASHINGTON, DC 20407

Owner/operator country: Not reported Owner/operator telephone: 202-708-5841 Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Federal Legal status: Owner/Operator Type: Operator Owner/Op start date: 12/01/2004 Owner/Op end date: Not reported

Owner/operator name: GSA NATIONAL CAPITAL REGION - POTAMAC SC

Owner/operator address: 7TH STREET SW ROOM 2080

WASHINGTON, DC 20407

Owner/operator country: Not reported Owner/operator telephone: 202-708-5841 Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Federal Owner/Operator Type: Owner 12/01/2004 Owner/Op start date: Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

. Waste code: D008 . Waste name: LEAD

Direction Distance Elevation

ation Site Database(s) EPA ID Number

GSA-SAINT ELIZABETH'S WEST CAMPUS (Continued)

1016170582

EDR ID Number

. Waste code: D009
. Waste name: MERCURY

Historical Generators:

Date form received by agency: 03/01/2014

Site name: GSA - SAINT ELIZABETH'S WEST CAMPUS
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D008
. Waste name: LEAD
. Waste code: D009
. Waste name: MERCURY

Date form received by agency: 02/26/2014

Site name: GSA - SAINT ELIZABETH'S WEST CAMPUS
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D008 . Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Date form received by agency: 03/01/2012

Site name: GSA - SAINT ELIZABETH'S WEST CAMPUS

Classification: Large Quantity Generator

Waste code: D008
Waste name: LEAD

Date form received by agency: 02/25/2011

Site name: GSA - ST ELIZABETH'S WEST CAMPUS

Classification: Large Quantity Generator

Waste code: D008
Waste name: LEAD
Waste code: D009
Waste name: MERCURY

Date form received by agency: 02/26/2010

Site name: GSA - ST ELIZABETH'S WEST CAMPUS

Classification: Small Quantity Generator

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Date form received by agency: 07/23/2009

Site name: ST ELIZABETH'S WEST CAMPUS (GSA OWNED W CAMPUS ONLY)

Classification: Small Quantity Generator

. Waste code: D008 . Waste name: LEAD

Direction Distance

Elevation Site Database(s) EPA ID Number

GSA-SAINT ELIZABETH'S WEST CAMPUS (Continued)

1016170582

EDR ID Number

. Waste code: D009. Waste name: MERCURY

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/15/2017

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:
Date achieved compliance:
Evaluation lead agency:

Not reported
State

Evaluation date: 09/15/2016

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 03/19/2015

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 09/16/2014

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 02/13/2013

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/01/2012

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 08/18/2011

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 02/25/2011

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 08/05/2010

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

GSA-SAINT ELIZABETH'S WEST CAMPUS (Continued)

1016170582

EDR ID Number

Date achieved compliance: Not reported

Evaluation lead agency: **EPA**

Evaluation date: 05/20/2010

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Not reported Area of violation: Not reported Date achieved compliance: Evaluation lead agency: State

NY MANIFEST:

Country: USA

DCR000501270 EPA ID: Facility Status: Not reported

Location Address 1: 2700 MARTIN LUTHER KING JR. SE

Code: ΒP

Location Address 2: Not reported Not reported Total Tanks: Location City: WASHINGTON

Location State: DC Location Zip: 20032 Location Zip 4: Not reported

NY MANIFEST:

EPAID: DCR000501270

Mailing Name: GSA - ST ELIZABETH'S WEST CAMPUS Mailing Contact: GSA - ST ELIZABETH'S WEST CAMPUS Mailing Address 1: 301 7TH ST SW ROOM 2080 (WPYG)

Mailing Address 2: Not reported Mailing City: WASHINGTON

Mailing State: DC Mailing Zip: 20407 Mailing Zip 4: Not reported Mailing Country: USA

Mailing Phone: 7033367769

DOD Region wsw 1/2-1

BOLLING AIR FORCE BASE

BOLLING AIR FORCE BASE (County), DC

3750 ft.

DOD:

Feature 1: Air Force DOD Feature 2: Not reported Not reported Feature 3: URL: Not reported

Bolling Air Force Base Name 1:

Name 2: Not reported Not reported Name 3:

State: DC DOD Site:

DCWASHINGTON Tile name:

DOD CUSA133990

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

DOD NAVAL STATION ANACOSTIA DOD CUSA133908
Region N/A

Region WNW

NW NAVAL STATION ANACOSTIA (County), DC

1/2-1 2815 ft.

DOD:

Feature 1: Navy DOD
Feature 2: Not reported
Feature 3: Not reported
URL: Not reported

Name 1: Naval Station Anacostia

Name 2: Not reported Name 3: Not reported

State: DC DOD Site: Yes

Tile name: DCWASHINGTON

24 DC BROWNFIELDS \$108276617 NW 2695 MLK JR AV SE N/A

NW 2695 MLK JR AV SE < 1/8 WASHINGTON, DC

0.111 mi. 586 ft.

Relative: BROWNFIELD:

 Higher
 PB ID:
 PBF2004-0208

 Actual:
 Ownership:
 OPM

 156 ft.
 Size (sf):
 7,566,498

 Phase I:
 unknown

Phase I: unknown
Phase II: unknown
Lot: 0041
Square: PAR0234

Latitude/Longitude: 38.90598 / -77.033

·

B25 DEPARTMENT OF HOMELAND SECURITY RCRA-CESQG 1023675633 SW 2701 MARTIN LUTHER KING, JR AVENUE SE DCR000508956

ODMPED: Redevelopment Initiative

< 1/8 WASHINGTON, DC 20032

Notes:

0.112 mi.

594 ft. Site 1 of 2 in cluster B

Relative: RCRA-CESQG:

Higher Date form received by agency: 05/16/2017

Actual:Facility name:DEPARTMENT OF HOMELAND SECURITY167 ft.Facility address:2701 MARTIN LUTHER KING, JR AVENUE SE

BLDG 40

WASHINGTON, DC 20032

EPA ID: DCR000508956

Mailing address: MARTIN LUTHER KING, JR AVENUE SE

BLDG 40

WASHINGTON, DC 20032

Contact: NINA DREKOVIC

Contact address: MARTIN LUTHER KING, JR AVENUE SE BLDG 40

WASHINGTON, DC 20032

Contact country: US

Contact telephone: 202-969-0635

Contact email: NINA.CAODAC@GMAIL.COM

EPA Region: 03

EDR ID Number

Distance Elevation

Site Database(s) EPA ID Number

DEPARTMENT OF HOMELAND SECURITY (Continued)

1023675633

EDR ID Number

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: CAO-DAC-CORPORATION

Owner/operator address: Not reported

Not reported

Owner/operator country:
Owner/operator telephone:
Owner/operator email:
Owner/operator fax:
Owner/operator extension:
Legal status:
Owner/Operator Type:
Not reported
Not reported
Not reported
Not reported
Private
Operator

Owner/Operator Type: Operator
Owner/Op start date: 05/09/2016
Owner/Op end date: Not reported

Owner/operator name: UNITED STATES OF AMERICA GENERAL SERVICES ADMINISTRATION

Owner/operator address: 7TH STREET, SE

WASHINGTON, DC 20024

Owner/operator country: US

Owner/operator telephone: 202-969-5543 Owner/operator email: Not reported Not reported Owner/operator fax: Owner/operator extension: Not reported Federal Legal status: Owner/Operator Type: Owner Owner/Op start date: 01/30/1852 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DEPARTMENT OF HOMELAND SECURITY (Continued)

1023675633

Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: D002

A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS Waste name:

> CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D009 Waste name: **MERCURY**

Violation Status: No violations found

DC LUST S112165966 **B26 UNKNOWN** SW

2701 MARTIN LUTHER KING AVE N/A

WASHINGTON, DC < 1/8

0.112 mi.

594 ft. Site 2 of 2 in cluster B

LUST: Relative:

Higher Facility ID: 8006007 Facility Type: Federal Military Actual: Facility Status: 167 ft. NFA

Product: Н

Heating Oil Product Decode:

Notification Date: 2012-07-25 00:00:00 Entry Date: 2012-07-25 00:00:00

Quadrant: SE Ward 8 Ward: Media Of Contamination: Soil Lust Number: 2012016

US COAST GUARD HEADQUARTERS BUILDING, BASE NCR FAC RCRA-CESQG 1016148183 27 SW 2703 MARTIN LUTHER KING JR AVE SE DCR000507053

1/8-1/4 WASHINGTON, DC 20593

0.155 mi. 820 ft.

Relative: RCRA-CESQG:

Higher Date form received by agency: 07/08/2013

US COAST GUARD HEADQUARTERS BUILDING, BASE NCR FAC Facility name: Actual:

166 ft. Facility address: 2703 MARTIN LUTHER KING JR AVE SE

WASHINGTON, DC 20593-7118 DCR000507053 EPA ID:

Mailing address: MARTIN LUTHER KING JR AVE SE

SUITE 1E20-00

WASHINGTON, DC 20593-7118

Contact: JEFFERY A DAYE

MARTIN LUTHER KING JR AVE SE SUITE 1E20-00 Contact address:

WASHINGTON, DC 20593-7118

Contact country: US

Contact telephone: 202-372-4041

Direction Distance

Elevation Site Database(s) EPA ID Number

US COAST GUARD HEADQUARTERS BUILDING, BASE NCR FAC (Continued)

1016148183

EDR ID Number

Contact email: JEFFERY.A.DAYE@USCG.MIL

EPA Region: 03 Land type: Federal

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: GENERAL SERVICES ADMINISTRATION (GSA)
Owner/operator address: MARTIN LUTHER KING JR AVE SE BUILDING #40

WASHINGTON, DC 20032

Owner/operator country: US

Owner/operator telephone: 202-401-0714
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Federal
Owner/Operator Type: Owner

Owner/Operator Type: Owner
Owner/Op start date: 07/15/2013
Owner/Op end date: Not reported

Owner/operator name: GSA (POTOMAC SERVICE CENTER)

Owner/operator address: Not reported Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Owner/operator email: Not reported Not reported Owner/operator fax: Owner/operator extension: Not reported Legal status: Federal Owner/Operator Type: Operator Owner/Op start date: 07/15/2013 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No

Direction Distance Elevation

on Site Database(s) EPA ID Number

US COAST GUARD HEADQUARTERS BUILDING, BASE NCR FAC (Continued)

1016148183

EDR ID Number

Used oil processor:
User oil refiner:
No
Used oil fuel marketer to burner:
Used oil Specification marketer:
No
Used oil transfer facility:
No
Used oil transporter:
No

. Waste code: D001

. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

. Waste code: D011 . Waste name: SILVER

Waste code: U002

. Waste name: ACETONE (I)

Waste code: U112

. Waste name: ACETIC ACID ETHYL ESTER (I)

. Waste code: U151 . Waste name: MERCURY

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 06/02/2017

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Direction Distance

Distance EDR ID Number Database(s) EPA ID Number

28 PARKWAY HOUSE DC UST U003294585
NNW 2652 M L KING JR AV SE N/A

NNW 2652 M L KING JR AV SE 1/8-1/4 WASHINGTON, DC 20020

0.248 mi. 1311 ft.

Relative: UST:

Lower Facility ID: 8004243

Actual: Owner: C T MANAGEMENT

102 ft.

Tank ID:

Tank Status: Permanently Out of Use

Tank Capacity: 8000
Substance: Heating Oil
AST: FALSE

29 OFF OF PUBLIC EDUCATION FACILITIES MODERNIZATION DC LUST \$105260080

NE 2620 DOUGLAS RD SE 1/4-1/2 WASHINGTON, DC

0.293 mi. 1546 ft.

Relative: LUST:

 Higher
 Facility ID:
 8001274

 Actual:
 Facility Type:
 School

 180 ft.
 Facility Status:
 Closed

 Product:
 H

Product Decode: Heating Oil

Notification Date: 2001-11-06 00:00:00 Entry Date: 2001-11-07 00:00:00

Quadrant: SE
Ward: Ward 8
Media Of Contamination: Soil
Lust Number: 2002012

30 ST. ELIZABETHS HOSPITAL-EAST CAMPUS

SE 1100 ALABAMA AVE SE 1/4-1/2 WASHINGTON, DC 20013

0.347 mi. 1830 ft.

Relative: SEMS:

 Higher
 Site ID:
 303247

 Actual:
 EPA ID:
 DC9751305997

 177 ft.
 Cong District:
 1

FIPS Code: 11001
Latitude: Not reported
Longitude: Not reported
FF: N

NPL: Not on the NPL

Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

SEMS Detail:

 Region:
 3

 Site ID:
 303247

 EPA ID:
 DC9751305997

Site Name: ST ELIZABETH'S HOSPITAL

NPL: N FF: N N/A

1000204550

DC9751305997

SEMS

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ST. ELIZABETHS HOSPITAL-EAST CAMPUS (Continued)

1000204550

OU: 0 Action Code: SI Action Name: SI SEQ:

Start Date: 1990-11-05 00:00:00

Finish Date: 9/5/1991 Qual: Current Action Lead: **EPA Perf**

Region: 3 Site ID: 303247 EPA ID: DC9751305997

Site Name: ST ELIZABETH'S HOSPITAL

NPL: FF: Ν OU: 0 Action Code: PΑ Action Name: PΑ SEQ:

Start Date: Not reported 10/18/1989 Finish Date: Qual: Ν

Current Action Lead: **EPA Perf**

3 Region: Site ID: 303247 EPA ID: DC9751305997

Site Name: ST ELIZABETH'S HOSPITAL

NPL: Ν FF: Ν OU: 0 Action Code: DS Action Name: **DISCVRY** SEQ:

Start Date: 1988-04-06 00:00:00

Finish Date: 4/6/1988 Qual: Not reported **Current Action Lead: EPA Perf**

3 Region: Site ID: 303247 EPA ID: DC9751305997

Site Name: ST ELIZABETH'S HOSPITAL

NPL: Ν FF: Ν OU: 0 Action Code: RS

RV ASSESS Action Name:

SEQ:

Start Date: 1995-07-06 00:00:00

Finish Date: 5/9/2003 Qual: Not reported Current Action Lead: **EPA Perf**

Region: 3 Site ID: 303247 EPA ID: DC9751305997

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ST. ELIZABETHS HOSPITAL-EAST CAMPUS (Continued)

ST ELIZABETH'S HOSPITAL

NPL: Ν FF: Ν OU: 0 Action Code: VA

Action Name: OTHR CLEANUP

SEQ:

Start Date: 2002-10-24 00:00:00 Finish Date: Not reported Qual: Not reported **Current Action Lead:** St Perf

C31 DC BROWNFIELDS S108276698

NNW 2458 MARTIN L. KING, JR. AVE N/A

1/4-1/2 WASHINGTON, DC

0.377 mi.

Site 1 of 5 in cluster C 1989 ft.

Site Name:

BROWNFIELD: Relative: PB ID:

Lower PBF2004-0203 Ownership: ODMPED Actual: Size (sf): 28516 84 ft. Phase I: Yes

Phase II: Yes 1105 Lot: Square: 5869

Latitude/Longitude: 38.90598 / -77.033 VCP Env. ESA Initiative Notes:

PB ID: PBF2004-0202 ODMPED Ownership: 42252 Size (sf): Phase I: Yes Phase II: Yes Lot: 0890 Square: 5869

38.90598 / -77.033 Latitude/Longitude: VCP Env. ESA Initiative Notes:

C32 DC LUST \$108931379 UNKNOWN N/A

2302-2312 MARTIN LUTHER KING JR BOULEVARD NNW WASHINGTON, DC

1/4-1/2 0.377 mi.

Relative:

1989 ft. Site 2 of 5 in cluster C

LUST:

Lower Facility ID: 8006004 Facility Type: Commercial Actual: Facility Status: Closed 84 ft. Product: Product Decode:

Heating Oil Notification Date: 2007-04-02 00:00:00

2007-10-01 00:00:00 Entry Date:

Quadrant: SE Ward: Ward 8 1000204550

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

UNKNOWN (Continued) S108931379

Media Of Contamination: Soil
Lust Number: 2007035

C33 DC BROWNFIELDS S108276699

NNW 2442-2452 MARTIN L. KING, N/A

1/4-1/2 WASHINGTON, DC

0.377 mi.

1989 ft. Site 3 of 5 in cluster C

Relative: BROWNFIELD:

 Lower
 PB ID:
 PBF2004-0201

 Actual:
 Ownership:
 ODMPED

 84 ft.
 Size (sf):
 7500

 Phase I:
 Yes

 Phase II:
 Yes

 Phase II:
 Yes

 Lot:
 69

 Square:
 5869

Latitude/Longitude: 38.90598 / -77.033
Notes: VCP Env. ESA Initiative

C34 MATTHEW MEMORIAL BAPTIST CHURCH DC LUST S104918611

NNW 2616 M L KING JR AV SE 1/4-1/2 WASHINGTON, DC

0.377 mi.

1989 ft. Site 4 of 5 in cluster C

Relative: LUST:

 Lower
 Facility ID:
 8004242

 Actual:
 Facility Type:
 Church

 84 ft.
 Facility Status:
 Closed

 Product:
 H

Product: H
Product Decode: Heating Oil

Notification Date: 1998-03-11 00:00:00 Entry Date: 1998-03-11 00:00:00

Quadrant: SE
Ward: Ward 8
Media Of Contamination: Soil
Lust Number: 98043

C35 DC BROWNFIELDS S108276707
NNW 2500 MARTIN L. KING, JR. AVE SE N/A

NNW 2500 MARTIN L. KING, JR. AVE SE 1/4-1/2 WASHINGTON, DC

0.377 mi.

1989 ft. Site 5 of 5 in cluster C

Relative: BROWNFIELD:

 Lower
 PB ID:
 PBF2004-0204

 Actual:
 Ownership:
 ODMPED

 84 ft.
 Size (sf):
 2,688

 Phase I:
 Yes

 Phase III:
 Yes

 Phase I:
 Yes

 Phase II:
 Yes

 Lot:
 0807

 Square:
 5869

Latitude/Longitude: 38.90598 / -77.033
Notes: VCP Env. ESA Initiative

N/A

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

36 **OXFORD MANOR APARTMENTS** DC LUST 1000341154 DCD095095360

North 2607 BOWEN RD SE WASHINGTON, DC 20020 1/4-1/2

0.382 mi. 2016 ft.

LUST: Relative:

Lower 8000005 Facility ID: Facility Type: Residential Actual: Facility Status: Closed 96 ft. Product: Н

> Product Decode: Heating Oil

1990-05-31 00:00:00 Notification Date: 1990-05-31 00:00:00 Entry Date:

Quadrant: SE Ward: Ward 8 Media Of Contamination: Soil Lust Number: 90059

8000005 Facility ID: Facility Type: Residential Facility Status: Closed Product: Н

Heating Oil Product Decode:

Notification Date: 1992-08-06 00:00:00 1992-08-06 00:00:00 Entry Date:

Quadrant: SE Ward: Ward 8

Ground Water, Soil Media Of Contamination:

Lust Number: 92085

8000005 Facility ID: Facility Type: Residential Facility Status: Closed Product: Product Decode: Heating Oil

2005-02-25 00:00:00 Notification Date: 2005-03-03 00:00:00 Entry Date:

Quadrant: SE Ward: Ward 8 **Ground Water** Media Of Contamination: 2005024 Lust Number:

37 LONG BROTHERS CLEANERS SSW 655 LEBAUM ST., SE 1/4-1/2 WASHINGTON, DC 20032

0.389 mi. 2052 ft.

SEMS: Relative: Higher Site ID:

306843 EPA ID: DCN000306843 Actual: 171 ft.

Cong District: FIPS Code: 11001 Not reported Latitude: Longitude: Not reported

FF:

NPL: Not on the NPL

Non NPL Status: Referred to Removal - NFRAP

TC5344997.2s Page 44

SEMS 1015730792

DCN000306843

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

LONG BROTHERS CLEANERS (Continued)

1015730792

EDR ID Number

SEMS Detail:

 Region:
 3

 Site ID:
 306843

 EPA ID:
 DCN000306843

Site Name: LONG BROTHERS CLEANERS

 NPL:
 N

 FF:
 N

 OU:
 0

 Action Code:
 PA

 Action Name:
 PA

 SEQ:
 1

Start Date: 2012-07-01 00:00:00

Finish Date: 9/10/2012
Qual: W
Current Action Lead: EPA Perf

Region: 3

Site ID: 306843 EPA ID: DCN000306843

Site Name: LONG BROTHERS CLEANERS

 NPL:
 N

 FF:
 N

 OU:
 0

 Action Code:
 SI

 Action Name:
 SI

 SEQ:
 1

Start Date: 2013-09-17 00:00:00

Finish Date: 12/27/2013

Qual: W

Current Action Lead: EPA Perf

Region: 3 Site ID: 306843

EPA ID: DCN000306843

Site Name: LONG BROTHERS CLEANERS

 NPL:
 N

 FF:
 N

 OU:
 0

 Action Code:
 DS

 Action Name:
 DISCVRY

SEQ:

Start Date: 2007-04-01 00:00:00

Finish Date: 4/1/2007
Qual: Not reported
Current Action Lead: EPA Perf

38 AK JK LLC DC LUST S105890753 SSW 2917 M L KING JR AV SE N/A

1/4-1/2 WASHINGTON, DC

0.410 mi. 2164 ft.

Relative: LUST:

HigherFacility ID:8000029Actual:Facility Type:Gas Station171 ft.Facility Status:Closed

Direction Distance

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

AK JK LLC (Continued) S105890753

Product: G
Product Decode: Gasoline

Notification Date: 1997-02-20 00:00:00 Entry Date: 1997-02-20 00:00:00

Quadrant: SE Ward: Ward 8

Media Of Contamination: Ground Water, Soil

Lust Number: 97043

39 WMATA DC LUST S103534418

NNW 2501 M L KING JR AV SE N/A
1/4-1/2 WASHINGTON, DC

1/4-1/2 0.439 mi. 2319 ft.

Relative: LUST: Lower Fac

 Lower
 Facility ID:
 8000115

 Actual:
 Facility Type:
 Gas Station

 59 ft.
 Facility Status:
 Closed

 Product:
 G,D

Product Decode: Gasoline, Diesel
Notification Date: 1991-11-01 00:00:00
Entry Date: 1991-11-01 00:00:00

Quadrant: SE Ward: Ward 8

Media Of Contamination: Ground Water, Soil

Lust Number: 92009

40 STAR ENTERPRISE DC LUST S103816971
North 2502 M L KING JR AV SE N/A

1/4-1/2 0.499 mi. 2637 ft.

Relative: LUST:

LowerFacility ID:8000683Actual:Facility Type:Gas Station40 ft.Facility Status:ClosedProduct:GProduct Decode:Gasoline

WASHINGTON, DC

Notification Date: 1990-05-11 00:00:00 Entry Date: 1990-05-11 00:00:00

Quadrant:SEWard:Ward 8Media Of Contamination:SoilLust Number:90052

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

41 **CAMP SIMMS - FED FAC** ROD 1003867361 DC0001840669

SE 15 ST. & MLK JR. BLVD. WASHINGTON, DC 20032 1/2-1

0.770 mi. 4067 ft.

Relative: ROD:

Higher Full-text of USEPA Record of Decision(s) is available from EDR.

Actual:

164 ft.

D42 **ANACOSTIA NS** West

WASHINGTON DC, DC 1/2-1

0.792 mi.

4183 ft. Site 1 of 2 in cluster D

Relative: UXO:

Lower DoD Component: Navy

Installation Name: ANACOSTIA NS Actual: Facility Address 2: Not reported 13 ft. Site ID: UXO 000001

Site Type: Unexploded Munitions and Ordnance Area

Latitude: 38.850000 -77.010000 Longitude:

D43 **ANACOSTIA NS** UXO 1018154047 N/A

West

1/2-1 **WASHINGTON DC, DC**

0.792 mi.

4183 ft. Site 2 of 2 in cluster D

Relative: UXO:

Lower DoD Component: Navy

Installation Name: ANACOSTIA NS Actual: Facility Address 2: Not reported 13 ft. Site ID: UXO 000002

Site Type: Unexploded Munitions and Ordnance Area

Latitude: 38.850000 Longitude: -77.010000

44 MMRP - C03DC003602 - NDAI UXO 1023683175 SE N/A

1/2-1 0.849 mi. 4483 ft.

WASHINGTON, DC, DC

Relative: UXO:

Lower DoD Component: **FUDS**

Installation Name: CAMP SIMMS MILITARY RESERVATION Actual:

Facility Address 2: Not reported 90 ft. Site ID: 020EW

Site Type: Unexploded Munitions and Ordnance Area

Latitude: 38.841111 -76.983333 Longitude:

UXO

1018153988

N/A

Count: 6 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	
WASHINGTON	1003866892	ANACOSTIA DRUM SITE	11TH STREET BRIDGE & GOOD HOPE	20020	SEMS-ARCHIVE	
WASHINGTON	S116761273	UNKNOWN	3418 4TH ST		DC LUST	
WASHINGTON	S107420445	MERCHANDISE MART PROPERTIES INC	4TH & D ST SW		DC LUST	
WASHINGTON	S107420470	GENERAL SERVICES ADMINISTRATION	7TH & D ST SW		DC LUST	
WASHINGTON	S109028302	UNKNOWN	1018 8TH ST		DC LUST	
WASHINGTON	S107520956	OFF OF PUBLIC EDUCATION FACILITIES	K ST BET 5TH & 6TH ST NE 1025		DC LUST	

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/13/2018 Source: EPA
Date Data Arrived at EDR: 05/30/2018 Telephone: N/A

Number of Days to Update: 23 Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/13/2018 Source: EPA
Date Data Arrived at EDR: 05/30/2018 Telephone: N/A

Number of Days to Update: 23 Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/13/2018 Date Data Arrived at EDR: 05/30/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 23

Source: EPA Telephone: N/A

Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 07/16/2018 Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016 Date Data Arrived at EDR: 01/05/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 92

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 04/06/2018

Next Scheduled EDR Contact: 07/16/2018 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 05/18/2018 Date Data Arrived at EDR: 05/30/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 23

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 05/18/2018 Date Data Arrived at EDR: 05/30/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 23

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 07/30/2018 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) 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 the Resource Conservation and Recovery Act (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. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) 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 the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency Telephone: 800-438-2474

Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) 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 the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) 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 the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/16/2018 Date Data Arrived at EDR: 02/22/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 78

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 05/09/2018

Next Scheduled EDR Contact: 08/27/2018 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2018 Date Data Arrived at EDR: 02/27/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 05/29/2018

Next Scheduled EDR Contact: 09/10/2018 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2018 Date Data Arrived at EDR: 02/27/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 05/29/2018

Next Scheduled EDR Contact: 09/10/2018

Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 03/19/2018 Date Data Arrived at EDR: 03/27/2018 Date Made Active in Reports: 06/08/2018

Number of Days to Update: 73

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 03/27/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site 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. Available information varies by state.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: 0

Source: Department of Health Telephone: 202-535-2500 Last EDR Contact: 05/16/2018

Next Scheduled EDR Contact: 09/03/2018 Data Release Frequency: No Update Planned

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility Listing

The Solid Waste Disposal Division is responsible for disposing of the District's approximately 203,000 tons of municipal solid waste (trash). Since the District does not have landfills, collected waste is deposited at two solid waste transfer stations and then taken out of the city by contractor vehicles to a waste-to-energy plant and landfill in Virginia.

Date of Government Version: 11/30/2016 Date Data Arrived at EDR: 11/21/2017 Date Made Active in Reports: 01/19/2018

Number of Days to Update: 59

Source: Department of Public Works Telephone: 202-673-6833

Last EDR Contact: 04/11/2018 Next Scheduled EDR Contact: 07/30/2018

Data Release Frequency: No Update Planned

State and tribal leaking storage tank lists

LUST: District of Columbia LUST Cases

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 10/20/2017 Date Data Arrived at EDR: 12/04/2017 Date Made Active in Reports: 01/31/2018

Number of Days to Update: 58

Source: Department of the Environment

Telephone: 202-442-5977 Last EDR Contact: 06/18/2018

Next Scheduled EDR Contact: 09/17/2018 Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/16/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018

Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/24/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/06/2018 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 05/16/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/14/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017 Date Data Arrived at EDR: 05/30/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 136

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 04/13/2018

Next Scheduled EDR Contact: 07/23/2018 Data Release Frequency: Varies

UST: Underground Storage Tank Database List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/07/2017 Date Data Arrived at EDR: 07/28/2017 Date Made Active in Reports: 10/02/2017

Number of Days to Update: 66

Source: Department of the Environment

Telephone: 202-535-2600 Last EDR Contact: 06/18/2018

Next Scheduled EDR Contact: 09/17/2018 Data Release Frequency: Semi-Annually

AST: List of Aboveground Storage Tanks
Aboveground storage tank locations.

Date of Government Version: 06/07/2017 Date Data Arrived at EDR: 07/28/2017 Date Made Active in Reports: 10/02/2017

Number of Days to Update: 66

Source: Department of the Environment

Telephone: 202-535-2600 Last EDR Contact: 06/18/2018

Next Scheduled EDR Contact: 09/17/2018

Data Release Frequency: No Update Planned

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 01/13/2018 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017 Date Data Arrived at EDR: 07/27/2017 Date Made Active in Reports: 12/08/2017

Number of Days to Update: 134

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 05/16/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/16/2017 Date Data Arrived at EDR: 01/23/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 80

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Sites

The Voluntary Cleanup Program oversees owner or developer initiated voluntary remediation of contaminated lands and buildings that return actual or potentially contaminated properties to productive uses.

Date of Government Version: 09/05/2017 Date Data Arrived at EDR: 02/01/2018 Date Made Active in Reports: 02/15/2018

Number of Days to Update: 14

Source: Department of the Environment

Telephone: 202-535-1337 Last EDR Contact: 05/21/2018

Next Scheduled EDR Contact: 09/03/2018 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 06/22/2018

Next Scheduled EDR Contact: 10/08/2018 Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Database
A listing of potential brownfields site locations.

Date of Government Version: 08/17/2017 Date Data Arrived at EDR: 02/01/2018 Date Made Active in Reports: 02/16/2018

Number of Days to Update: 15

Source: Department of the Environment

Telephone: 202-535-1337 Last EDR Contact: 05/21/2018

Next Scheduled EDR Contact: 10/01/2018 Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/19/2018 Date Data Arrived at EDR: 03/21/2018 Date Made Active in Reports: 06/08/2018

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 06/20/2018

Next Scheduled EDR Contact: 10/01/2018 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 01/30/2018

Next Scheduled EDR Contact: 05/14/2018

Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 04/18/2018

Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 05/04/2018

Next Scheduled EDR Contact: 08/13/2018

Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/22/2018 Date Data Arrived at EDR: 03/01/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 71

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 09/10/2018 Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/22/2018 Date Data Arrived at EDR: 03/01/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 71

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 09/10/2018 Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Listing

During the process of the database upgrade, all facilities that the UST Program was unable to confirm their existence were removed from the working revelation UST Database before the conversion and put into an excel spreadsheet. These facilities became known as "Project Unknown". This listing is not current and has been not updated.

Date of Government Version: 12/31/1999 Date Data Arrived at EDR: 06/25/2010 Date Made Active in Reports: 07/16/2010

Number of Days to Update: 21

Source: Department of the Environment Telephone: 202-535-1950

Last EDR Contact: 06/24/2010

Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/09/2018 Date Data Arrived at EDR: 02/06/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 94

Source: Environmental Protection Agency Telephone: 202-564-6023

Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018 Date Data Arrived at EDR: 03/27/2018 Date Made Active in Reports: 06/08/2018

Number of Days to Update: 73

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 03/27/2018

Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) 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 the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency Telephone: 800-438-2474

Last EDR Contact: 03/28/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 05/25/2018

Next Scheduled EDR Contact: 09/03/2018 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 04/13/2018

Next Scheduled EDR Contact: 07/23/2018 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/11/2018

Next Scheduled EDR Contact: 07/23/2018

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 05/15/2018

Next Scheduled EDR Contact: 08/27/2018 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/27/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 87

Source: Environmental Protection Agency Telephone: 202-566-1917

Last EDR Contact: 03/27/2018

Next Scheduled EDR Contact: 07/09/2018 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 05/07/2018

Next Scheduled EDR Contact: 08/20/2018 Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 05/08/2018

Next Scheduled EDR Contact: 08/20/2018 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018

Number of Days to Update: 198

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 06/22/2018

Next Scheduled EDR Contact: 10/01/2018 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 01/10/2018 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 2

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 05/25/2018

Next Scheduled EDR Contact: 09/03/2018 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 04/09/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/09/2018 Date Data Arrived at EDR: 02/06/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 94

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 09/17/2018 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017 Date Data Arrived at EDR: 11/17/2017 Date Made Active in Reports: 12/08/2017

Number of Days to Update: 21

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 04/20/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 08/20/2018 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017 Date Data Arrived at EDR: 06/09/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 126

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 04/13/2018

Next Scheduled EDR Contact: 07/23/2018 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 04/09/2018

Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016 Date Data Arrived at EDR: 09/08/2016 Date Made Active in Reports: 10/21/2016

Number of Days to Update: 43

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 05/03/2018

Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 06/07/2018

Next Scheduled EDR Contact: 09/17/2018 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 06/04/2018

Next Scheduled EDR Contact: 09/17/2018 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017 Date Data Arrived at EDR: 11/30/2017 Date Made Active in Reports: 12/15/2017

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 04/27/2018

Next Scheduled EDR Contact: 08/06/2018 Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/03/2018 Date Data Arrived at EDR: 01/04/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 99

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 04/05/2018

Next Scheduled EDR Contact: 07/16/2018 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 05/03/2018

Next Scheduled EDR Contact: 08/13/2018 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 01/24/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 79

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 06/22/2018

Next Scheduled EDR Contact: 10/01/2018 Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 05/25/2018

Next Scheduled EDR Contact: 09/03/2018 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 04/11/2018

Next Scheduled EDR Contact: 07/23/2018 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016 Date Data Arrived at EDR: 12/27/2016 Date Made Active in Reports: 02/17/2017

Number of Days to Update: 52

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 05/07/2018

Next Scheduled EDR Contact: 08/20/2018 Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017 Date Data Arrived at EDR: 10/11/2017 Date Made Active in Reports: 11/03/2017

Number of Days to Update: 23

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 09/03/2018 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018 Date Data Arrived at EDR: 02/06/2018 Date Made Active in Reports: 03/02/2018

Number of Days to Update: 24

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 07/16/2018

Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Telephone: 202-564-2496

Last EDR Contact: 09/26/2017

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 01/25/2018 Date Data Arrived at EDR: 02/28/2018 Date Made Active in Reports: 05/11/2018

Number of Days to Update: 72

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 05/31/2018

Next Scheduled EDR Contact: 09/10/2018 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: USGS Telephone: 703-648-7709 Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 09/10/2018 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 05/30/2018

Next Scheduled EDR Contact: 09/10/2018 Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/08/2018 Date Data Arrived at EDR: 03/13/2018 Date Made Active in Reports: 06/08/2018

Number of Days to Update: 87

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 06/20/2018

Next Scheduled EDR Contact: 09/24/2018 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 03/23/2018

Number of Days to Update: 28

Source: EPA

Telephone: (215) 814-5000 Last EDR Contact: 06/06/2018

Next Scheduled EDR Contact: 09/17/2018 Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018 Date Data Arrived at EDR: 01/19/2018 Date Made Active in Reports: 04/13/2018

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 06/01/2018

Next Scheduled EDR Contact: 09/10/2018 Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016 Date Data Arrived at EDR: 10/31/2017 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 73

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 04/13/2018

Next Scheduled EDR Contact: 07/30/2018 Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 02/25/2018 Date Data Arrived at EDR: 03/17/2018 Date Made Active in Reports: 06/08/2018

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 06/06/2018

Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018 Date Data Arrived at EDR: 02/21/2018 Date Made Active in Reports: 03/23/2018

Number of Days to Update: 30

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 05/23/2018

Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical 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 Risk Historical Records", or 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.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical 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 & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or 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.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Public Works in the District of Columbia.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/17/2014
Number of Days to Update: 200

Source: Department of Public Works

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of the Environment in the District of Columbia.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of the Environment

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018 Date Data Arrived at EDR: 02/14/2018 Date Made Active in Reports: 03/22/2018

Number of Days to Update: 36

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 05/18/2018

Next Scheduled EDR Contact: 08/27/2018

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 04/11/2017 Date Made Active in Reports: 07/27/2017

Number of Days to Update: 107

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 04/23/2018

Next Scheduled EDR Contact: 07/23/2018 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 04/30/2018
Date Data Arrived at EDR: 05/03/2018
Date Made Active in Reports: 06/07/2018

Number of Days to Update: 35

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 05/03/2018

Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 07/25/2017 Date Made Active in Reports: 09/25/2017

Number of Days to Update: 62

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 04/12/2018

Next Scheduled EDR Contact: 07/30/2018 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 04/09/2018

Number of Days to Update: 45

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 05/21/2018

Next Scheduled EDR Contact: 09/03/2018 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 04/13/2017 Date Made Active in Reports: 07/14/2017

Number of Days to Update: 92

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/11/2018

Next Scheduled EDR Contact: 09/24/2018 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facilities Source: Department of Health Telephone: 202-442-5888

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ST. ELIZABETHS 801 SHELTER MARTIN LUTHER KING JR. AVENUE SE WASHINGTON, DC 20032

TARGET PROPERTY COORDINATES

Latitude (North): 38.852375 - 38° 51' 8.55" Longitude (West): 76.993167 - 76° 59' 35.40"

Universal Tranverse Mercator: Zone 18 UTM X (Meters): 327038.2 UTM Y (Meters): 4302074.5

Elevation: 108 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 6051364 ANACOSTIA, DC

Version Date: 2014

Southwest Map: 5950781 ALEXANDRIA, VA

Version Date: 2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

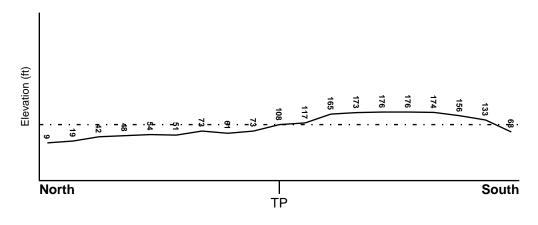
TOPOGRAPHIC INFORMATION

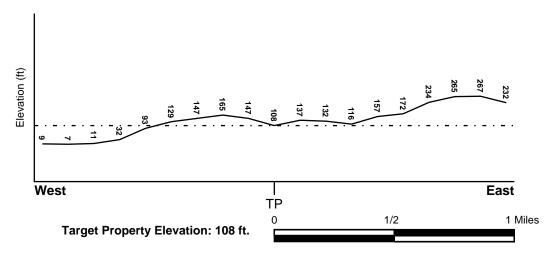
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property FEMA Source Type

1100010076C FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

1100010057CFEMA FIRM Flood data1100010059CFEMA FIRM Flood data1100010078CFEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Electronic

NWI Quad at Target Property

Data Coverage

ANACOSTIA YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles

Location Relative to TP: 1/4 - 1/2 Mile NNW
Site Name: St Elizabeth's Hospital
Site EPA ID Number: DC9751305997

Groundwater Flow Direction: WNW, DISCHARGING INTO THE ANACOSTIA AND POTOMAC RIVERS.

Inferred Depth to Water: not available.

Hydraulic Connection: Discontinuous or leaky aquitards separate aquifers underlying the

site. The estimated depth to bedrock exceeds 600 feet.

Sole Source Aquifer: No information about a sole source aquifer is available
Data Quality: Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era: Mesozoic Category: Stratified Sequence

System: Cretaceous Series: Lower Cretaceous

Code: IK (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

No detail available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 0.001 miles

FEDERAL USGS WELL INFORMATION

MAP ID WELL ID FROM TP

FEDERAL USGS WELL INFORMATION

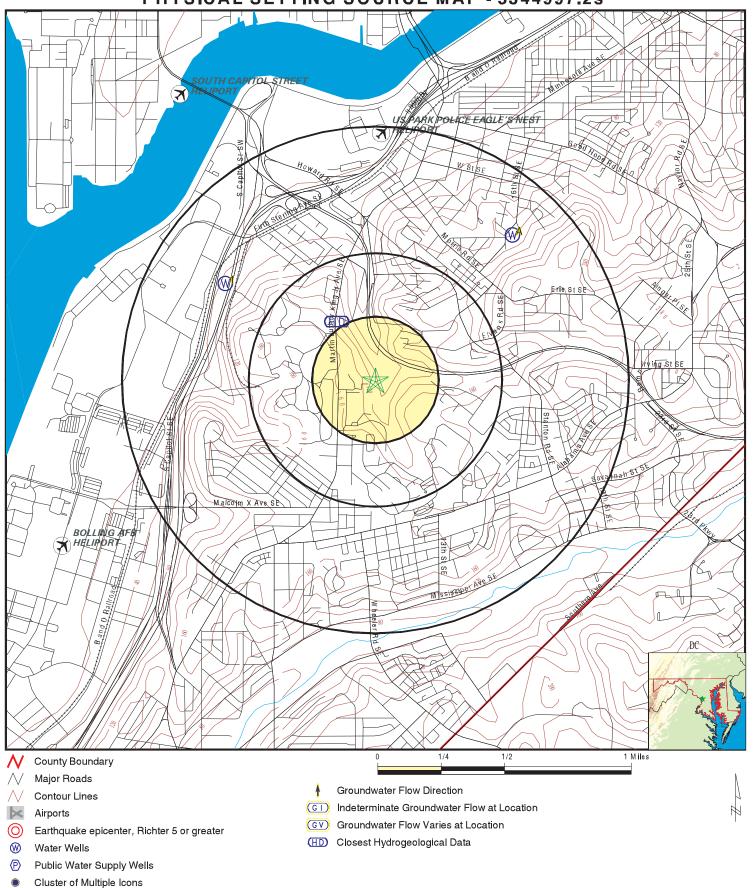
MAP ID	WELL ID	LOCATION FROM TP
1 A2	USGS40000230831 USGS40000230777	1/2 - 1 Mile WNW 1/2 - 1 Mile NE
A3	USGS40000230776	1/2 - 1 Mile NE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

PHYSICAL SETTING SOURCE MAP - 5344997.2s



SITE NAME: St. Elizabeths 801 Shelter ADDRESS:

Martin Luther King Jr. Avenue SE

Washington DC 20032 LAT/LONG: 38.852375 / 76.993167 CLIENT: Hillis-Carnes I CONTACT: Sean Harkins Hillis-Carnes Eng. Assoc.

INQUIRY#: 5344997.2s

DATE: June 26, 2018 3:59 pm

Copyright © 2018 EDR, Inc. © 2015 TomTom Rel. 2015.

Map ID Direction Distance

Lower

Elevation Database EDR ID Number

1 WNW **FED USGS** USGS40000230831 1/2 - 1 Mile

Org. Identifier: **USGS-VA**

USGS Virginia Water Science Center Formal name:

USGS-385128077001601 Monloc Identifier:

54U 2C Monloc name: Monloc type: Well

Monloc desc: Not Reported

Huc code: 02070010 Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported Latitude: 38.8578903 Longitude: -77.0041425 Sourcemap scale: 24000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Interpolated from map

NAD83 20.00 Horiz coord refsys: Vert measure val: Vert measure units: feet Vertacc measure val: 10

Vert accmeasure units:

Vertcollection method: Interpolated from topographic map

NGVD29 US Vert coord refsys: Countrycode:

Aquifername: Not Reported Formation type: Not Reported Not Reported

Aquifer type:

Construction date: Not Reported Welldepth: 398 Welldepth units: Wellholedepth: 398

Wellholedepth units:

Ground-water levels, Number of Measurements: 484

	Feet below	Feet to			Feet below	Feet to
Date	Surface			Date	Surface	Sealevel
1970-05-28				1970-05-28	3.45	
1970-05-01	19.74			1970-05-01	19.74	
1970-03-02	42.18			1970-03-02	42.18	
1970-01-27	25.09			1970-01-27	25.09	
1969-12-01	48.05			1969-12-01	48.05	
1969-10-28	46.62			1969-10-28	46.62	
1969-09-29	39.66			1969-09-29	39.66	
1969-08-27	26.14			1969-08-27	26.14	
1969-07-31	35.10			1969-07-31	35.10	
1969-06-27	49.33			1969-06-27	49.33	
1969-05-28	48.80			1969-05-28	48.80	
1969-04-30	48.36			1969-04-30	48.36	
1969-03-27	48.03			1969-03-27	48.03	
1969-02-27	47.45			1969-02-27	47.45	
1969-01-27	46.14			1969-01-27	46.14	
1969-01-02	44.18			1969-01-02	44.18	
1968-10-30	49.79			1968-10-30	49.79	
1968-09-26	50.49			1968-09-26	50.49	
1968-08-26	51.50			1968-08-26	51.50	
1968-07-29	49.45			1968-07-29	49.45	
1968-06-27	47.61			1968-06-27	47.61	
1968-05-29	47.11			1968-05-29	47.11	
1968-04-29	47.41			1968-04-29	47.41	
1968-03-26	46.79			1968-03-26	46.79	

Ground-wate	er levels, cont Feet below	inued. Feet to		Feet below	Feet to
Date	Surface	Sealevel	Date	Surface	Sealevel
1968-02-26	47.28		1968-02-26	47.28	
1968-01-28	47.41		1968-01-28	47.41	
1967-12-26	47.52		1967-12-26	47.52	
1967-11-28	47.93		1967-11-28	47.93	
1967-10-27	48.18		1967-10-27	48.18	
1967-09-27	48.61		1967-09-27	48.61	
1967-08-29	49.00		1967-08-29	49.00	
1967-07-28	48.14		1967-07-28	48.14	
1967-06-26	46.99		1967-06-26	46.99	
1967-06-01	46.25		1967-06-01	46.25	
1967-04-28	46.09		1967-04-28	46.09	
1967-04-03	46.25		1967-04-03	46.25	
1967-02-27	46.64		1967-02-27	46.64	
1967-01-31	47.03		1967-01-31	47.03	
1966-12-30	47.09		1966-12-30	47.09	
1966-12-01	47.43		1966-12-01	47.43	
1966-11-01	47.43 47.89		1966-11-01		
				47.89	
1966-10-03	48.88		1966-10-03	48.88	
1966-08-30	48.94		1966-08-30	48.94	
1966-08-01	47.52		1966-08-01	47.52	
1966-07-01	45.45		1966-07-01	45.45	
1966-06-01	44.26		1966-06-01	44.26	
1966-05-04	44.41		1966-05-04	44.41	
1966-04-04	44.93		1966-04-04	44.93	
1965-12-30	46.26		1965-12-30	46.26	
1965-12-01	46.77		1965-12-01	46.77	
1965-08-31	48.04		1965-08-31	48.04	
1965-07-30	47.02		1965-07-30	47.02	
1965-06-29	45.81		1965-06-29	45.81	
1965-06-02	44.79		1965-06-02	44.79	
1965-04-30	44.32		1965-04-30	44.32	
1965-03-31	44.41		1965-03-31	44.41	
1965-02-04	44.76		1965-02-04	44.76	
1964-12-30	45.19		1964-12-30	45.19	
1964-11-30	45.67		1964-11-30	45.67	
1964-10-29	45.86		1964-10-29	45.86	
1964-10-06	46.21		1964-10-06	46.21	
1964-09-03	46.13		1964-09-03	46.13	
1964-07-31	45.06		1964-07-31	45.06	
1964-06-29	43.36		1964-06-29	43.36	
1964-06-01	41.83		1964-06-01	41.83	
1964-05-01	40.62		1964-05-01	40.62	
1964-04-02	40.98		1964-04-02	40.98	
1964-02-28	41.01		1964-02-28	41.01	
1964-02-03	41.57		1964-02-03	41.57	
1963-12-30	42.39		1963-12-30	42.39	
1963-12-02	42.98		1963-12-02	42.98	
1963-10-25	43.84		1963-10-25	43.84	
1963-10-02	43.51		1963-10-02	43.51	
1963-08-30	43.60		1963-08-30	43.60	
1963-07-31	41.87		1963-07-31	41.87	
1963-06-28	39.14		1963-06-28	39.14	
1963-05-29	38.45		1963-05-29	38.45	
1963-05-29	38.59		1963-05-29	38.59	
1963-03-01	38.76		1963-03-01	38.76	
1303-03-28	30.70		1900-00-29	30.70	

Date Surface Sealevel Date	Ground-wate	er levels, contin	nued. Feet to		Feet below	Feet to
1963-02-01 39.53 1963-01-03 39.99 1962-11-30 41.28 1962-10-31 42.32 1962-10-31 42.32 1962-10-31 42.32 1962-10-32 43.57 1962-00-31 42.32 1962-10-32 43.57 1962-08-31 43.26 1962-08-31 42.24 1962-08-31 42.24 1962-08-31 42.24 1962-08-39 40.98 1962-06-29 40.98 1962-06-30 39.72 1962-06-30 39.72 1962-06-30 39.95 1962-03-30 39.95 1962-03-30 39.95 1962-03-30 39.95 1962-03-30 39.95 1962-03-30 39.95 1962-03-30 40.94 1962-01-31 41.15 1961-10-21 43.16 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.71 1961-09-01 44.71 1961-09-01 44.71 1961-07-28 43.38 1961-07-28 43.38 1961-07-28 43.38 1961-07-29 41.71 1961-05-09 41.71 1961-05-09 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 44.71 1961-05-01 44.71 1961-05-01 44.71 1961-05-02 41.71 1961-05-03 41.94 1960-02-01 46.19 1960-10-31 48.84 1961-05-02 41.71 1961-05-01 44.74 1961-05-02 41.71 1961-05-04 42.85 1960-08-31 48.86 1960-08-31 48.86 1960-08-31 48.86 1960-08-01 44.84 1961-02-01 44.84 1961-02-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-05-04 42.85 1960-08-01 42.95 1960-08-01 42.95 1960-08-02 45.51 1960-08-02 45.51 1960-08-03 45.51 1960-08-04 42.88 1960-08-04 42.88 1960-08-04 42.88 1960-08-04 42.88 1960-08-04 42.88 1960-08-04 42.88 1960-08-04 42.88 1960-08-04 42.88 1960-08-04 42.88 1960-08-04 42.88 1960-08-04 42.88 1960-08-04 42.88 1960-08-04 43.88 1960-08-04 43.88 1960-08-04 43.88 1960-08-04 44.88 1960-0	Date			Date		
1963-01-03 39.99 1962-10-30 41.28 1962-10-31 42.32 1962-10-31 42.32 1962-10-31 42.32 1962-10-31 42.32 1962-10-31 42.32 1962-10-31 42.32 1962-06-31 42.36 1962-08-31 42.24 1962-07-31 42.24 1962-07-31 42.24 1962-06-31 42.24 1962-06-31 39.72 1962-06-01 39.72 1962-06-01 39.72 1962-06-01 39.72 1962-06-01 39.72 1962-06-30 39.85 1962-02-37 40.34 1962-02-27 40.34 1962-02-27 40.34 1962-02-27 40.34 1962-02-27 40.34 1962-01-31 41.15 1962-11-29 42.00 1961-12-29 42.00 1961-12-29 42.00 1961-12-20 43.16 1961-10-31 43.16 1961-10-31 43.16 1961-10-31 44.51 1961-00-20 45.18 1961-00-20 41.91 1961-00-20 41.91 1961-00-20 41.91 1961-00-20 41.91 1961-00-20 41.91 1961-00-20 41.91 1961-00-20 41.71 1961-00-31 40.99 1960-00-31 40.99 1960-00-31 40.99 1960-00-31 40.99 1960-00-31 40.99 1960-00-31 40.99 1960-00-31 40.89 1960-00-30 50.02 1960-00-30 50.02 1960-00-30 50.02 1960-00-30 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 42.88 1960-00-40 44.84 1961-03-31 45.08 1968-03-30 46.95 1968-0	1963-03-01	38.87		1963-03-01	38.87	
1982-11-30 41.28 1962-11-30 41.28 1962-11-30 42.32 1962-10-31 42.32 1962-10-31 42.32 1962-10-32 43.57 1962-10-32 43.57 1962-10-32 43.57 1962-10-31 42.32 1962-10-32 43.56 1962-10-31 42.24 1962-06-29 40.98 1962-06-29 40.98 1962-06-39 40.98 1962-06-39 39.72 1962-06-30 39.72 1962-06-30 39.72 1962-06-30 39.85 1962-03-30 39.85 1962-03-30 39.85 1962-03-30 39.85 1962-03-30 39.85 1962-02-31 41.15 1962-02-11 41.15 1962-02-11 41.15 1962-02-11 41.15 1962-02-11 41.15 1962-02-11 41.15 1961-12-29 42.00 1961-12-29 42.00 1961-12-20 42.00 1961-12-01 43.16 1961-12-01 43.16 1961-12-01 43.16 1961-10-02 45.18 1961-10-02 45.18 1961-10-02 45.18 1961-10-02 45.18 1961-10-02 45.18 1961-10-02 45.18 1961-10-02 45.18 1961-07-29 41.94 1961-06-29 41.94 1961-06-29 41.94 1961-05-29 41.71 1961-05-29 41.71 1961-05-29 41.71 1961-05-20 41.71 1961-0	1963-02-01	39.53		1963-02-01	39.53	
1962-10-31 42.32 1962-10-31 42.35 1962-08-31 43.26 1962-08-31 43.26 1962-07-31 42.24 1962-07-31 42.24 1962-06-31 39.22 1962-06-30 39.72 1962-04-30 39.32 1962-06-30 39.32 1962-04-30 39.85 1962-02-30 39.85 1962-02-27 40.34 1962-02-27 40.34 1962-01-31 41.15 1962-01-31 41.15 1961-12-29 42.00 1961-12-29 42.00 1961-12-29 42.00 1961-12-29 42.00 1961-12-31 43.51 1961-10-31 44.51 1961-10-02 45.18 1961-10-02 45.18 1961-07-28 43.38 1961-07-28 43.38 1961-05-29 41.71 1961-05-29 41.71 1961-05-29 41.71 1961-05-29 41.71 1961-05-01 44.71 1961-05-29 41.71 1961-05-01 44.71 1961-05-29 41.71 <td>1963-01-03</td> <td>39.99</td> <td></td> <td>1963-01-03</td> <td>39.99</td> <td></td>	1963-01-03	39.99		1963-01-03	39.99	
1962-10-02 43.57 1962-00-31 43.26 1962-07-31 42.24 1962-06-29 40.98 1962-06-29 40.98 1962-06-29 40.98 1962-06-30 39.72 1962-06-30 39.72 1962-04-30 39.32 1962-04-30 39.85 1962-02-31 41.15 1962-02-31 41.15 1961-12-29 42.00 1961-12-31 41.15 1961-12-20 43.16 1961-12-20 43.16 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-00-31 44.71 1961-00-31 44.71 1961-07-28 43.38 1961-00-29 41.74 1961-05-29 41.71 1961-06-29 41.74 1961-05-29 41.71 1961-06-29 41.74 1961-05-29 41.71 1961-06-29 41.74 1961-05-29 41.71 1961-06-29 41.74 1961-05-29 41.71 1961-06-29 41.74 <td>1962-11-30</td> <td>41.28</td> <td></td> <td>1962-11-30</td> <td>41.28</td> <td></td>	1962-11-30	41.28		1962-11-30	41.28	
1962-08-31 43.26 1962-07-31 42.24 1962-07-31 42.24 1962-06-29 40.98 1962-06-01 39.72 1962-06-01 39.72 1962-06-03 39.32 1962-03-30 39.85 1962-04-30 39.32 1962-03-30 39.85 1962-04-30 39.85 1962-03-30 39.85 1962-03-31 41.15 1962-01-31 41.15 1962-01-31 41.15 1961-12-21 42.00 1961-12-21 42.00 1961-12-21 42.00 1961-12-21 43.16 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.71 1961-09-01 44.71 1961-09-01 44.71 1961-09-01 44.71 1961-07-28 43.38 1961-07-28 43.38 1961-07-28 43.38 1961-07-28 43.38 1961-07-28 43.38 1961-07-28 43.38 1961-07-29 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 46.19 1960-01-31 50.62 1960-08-31 46.85 1960-08-30 42.95 1960-08-30 42.95 1960-08-30 42.95 1960-08-02 45.51 1960-08-03 43.98 1960-08-04 42.83 1960-08-04 42.83 1960-08-04 42.83 1960-08-04 42.83 1960-08-04 42.83 1960-08-04 42.83 1960-08-04 42.83 1960-08-04 42.83 1960-08-04 42.83 1960-08-04 42.83 1960-08-04 42.88 1960-0	1962-10-31	42.32		1962-10-31	42.32	
1982-07-31 42.24 1982-07-31 42.24 1982-06-29 40.98 1982-06-01 39.72 1982-04-30 39.32 1982-04-30 39.32 1982-04-30 39.35 1982-02-27 40.34 1982-02-27 40.34 1982-02-27 40.34 1982-02-27 40.34 1982-02-27 40.34 1982-01-31 41.15 1982-01-31 41.15 1982-01-31 41.15 1982-01-31 41.15 1982-01-31 41.15 1981-12-29 42.00 1981-12-29 42.00 1981-12-01 43.16 1981-10-02 45.18 1981-10-02 45.18 1981-10-02 45.18 1981-10-02 45.18 1981-10-02 45.18 1981-10-02 45.18 1981-10-02 45.18 1981-09-01 44.71 1981-09-01 44.71 1981-05-29 41.94 1981-05-29 41.71 1981-05-29 41.71 1981-05-29 41.71 1981-05-29 41.71 1981-05-29 41.71 1981-03-31 43.08 1981-03-31 43.08 1981-03-31 43.08 1981-03-31 43.08 1981-03-31 43.08 1981-03-31 43.08 1981-03-31 43.08 1981-03-31 43.08 1981-03-31 43.08 1981-03-31 43.08 1980-03-31 50.62 1980-09-30 50.02 1980-09-30 50.02 1980-09-30 50.02 1980-09-30 50.02 1980-09-30 50.02 1980-09-30 50.02 1980-09-30 42.88 1980-05-04 42.83 1980-05-04 42.83 1980-05-04 42.83 1980-05-04 42.83 1980-05-04 42.83 1980-05-04 42.85 1980-05-04 42.85 1980-05-05 45.51	1962-10-02	43.57		1962-10-02	43.57	
1982-08-29 40.98 1982-08-29 40.98 1982-08-20 39.72 1982-08-30 39.72 1982-08-30 39.32 1982-03-30 39.85 1982-03-30 39.85 1982-03-30 39.85 1982-03-30 39.85 1982-03-30 39.85 1982-03-30 39.85 1982-03-30 39.85 1982-03-30 39.85 1982-03-30 39.85 1982-03-30 39.85 1982-03-30 39.85 1982-03-30 39.85 1982-03-30 41.15 1982-03-31 41.15	1962-08-31	43.26		1962-08-31	43.26	
1962-06-01 39.72 1962-06-30 39.32 1962-03-30 39.32 1962-03-30 39.32 1962-02-27 40.34 1962-02-27 40.34 1962-01-31 41.15 1962-01-31 41.15 1961-12-29 42.00 1961-12-29 42.00 1961-12-01 43.16 1961-10-21 43.16 1961-10-01 44.71 1961-10-31 44.51 1961-10-02 45.18 1961-10-02 45.18 1961-09-01 44.71 1961-09-01 44.71 1961-05-29 41.94 1961-06-29 41.94 1961-05-29 41.71 1961-06-29 41.94 1961-05-29 41.71 1961-06-29 41.94 1961-05-01 41.71 1961-06-29 41.94 1961-05-01 41.71 1961-06-29 41.94 1961-03-31 43.08 1961-06-29 41.74 1961-03-31 43.08 1961-03-31 43.08 1961-02-01 46.19 1961-02-01 46.19 <td>1962-07-31</td> <td>42.24</td> <td></td> <td>1962-07-31</td> <td>42.24</td> <td></td>	1962-07-31	42.24		1962-07-31	42.24	
1982-04-30 39.32 1982-04-30 39.32 1982-03-30 39.85 1982-03-27 40.34 1982-02-27 40.34 1982-02-27 40.34 1982-02-27 40.34 1982-01-31 41.15 1982-01-31 41.15 1982-01-31 41.15 1982-01-31 41.15 1981-12-01 43.16 1981-12-01 43.16 1981-12-01 43.16 1981-12-01 43.16 1981-12-01 44.51 1981-10-02 45.18 1981-10-02 45.18 1981-10-02 45.18 1981-10-02 44.71 1981-09-01 44.71 1981-07-28 43.38 1981-07-28 43.38 1981-07-28 43.38 1981-07-28 43.38 1981-07-28 44.71 1981-05-29 41.71 1981-05-29 41.71 1981-05-29 41.71 1981-05-29 41.71 1981-03-31 43.08 4	1962-06-29	40.98		1962-06-29	40.98	
1982-03-30 39.85 1982-03-30 39.85 1982-02-27 40.34 1982-02-27 40.34 1982-01-31 41.15 1982-01-31 41.15 1982-01-31 41.15 1982-01-31 41.15 1982-01-31 41.15 1982-01-31 42.00 1981-12-29 42.00 1981-12-29 42.00 1981-12-20 43.16 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-10-31 44.51 1961-10-02 45.18 1981-10-02 45.18 1981-00-01 44.71 1981-09-01 44.71 1981-09-29 44.71 1981-07-28 43.38 1981-07-28 43.38 1981-07-28 43.38 1981-07-28 43.38 1981-07-28 43.38 1981-07-29 41.71 1981-05-29 41.71 1981-05-29 41.71 1981-05-29 41.71 1981-05-20 41.71 1981-05-01 41.71	1962-06-01	39.72		1962-06-01	39.72	
1982-02-27 40.34 1986-02-27 40.34 1961-12-29 42.00 1961-12-29 42.00 1961-12-01 43.16 1961-12-01 43.16 1961-10-01 44.51 1961-10-02 45.18 1961-10-02 45.18 1961-00-01 44.71 1961-09-01 44.71 1961-09-01 44.71 1961-05-29 41.71 1961-05-29 41.71 1961-05-29 41.71 1961-05-29 41.71 1961-05-29 41.71 1961-05-29 41.71 1961-05-29 41.71 1961-05-01 41.71 1961-05-31 43.08 1961-05-01 41.71 1961-05-31 43.08 1961-05-01 44.71 1961-03-31 43.08 1961-03-31 43.08 1961-03-31 44.84 1961-02-01 46.19 1960-12-01 46.19 1960-10-31 50.62 1960-03-31 50.62 1960-10-31 50.62 1960-08-31 46.85 1960-10-31 50.62 1960-08-31 46.85 1960-06-30 43.98	1962-04-30	39.32		1962-04-30	39.32	
1962-01-31 41.15 1962-01-31 41.15 1961-12-29 42.00 1961-12-20 42.00 1961-10-31 44.51 1961-10-31 44.51 1961-10-02 45.18 1961-10-31 44.71 1961-07-28 43.38 1961-07-28 43.38 1961-05-29 41.71 1961-06-29 41.94 1961-05-29 41.71 1961-05-29 41.71 1961-05-01 41.71 1961-05-29 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 44.84 1961-03-31 43.08 1961-03-31 43.08 1961-03-01 44.84 1961-02-01 44.84 1961-02-01 44.84 1960-12-01 49.79 1960-10-01 49.79 1960-19-31 50.62 1960-09-30 50.02 1960-08-02 45.51 1960-09-30 50.02 1960-08-03 43.98 1960-06-30 43.98 <td>1962-03-30</td> <td>39.85</td> <td></td> <td>1962-03-30</td> <td>39.85</td> <td></td>	1962-03-30	39.85		1962-03-30	39.85	
1961-12-29 42.00 1961-12-29 42.00 1961-12-20 43.16 1961-12-01 43.16 1961-12-01 43.16 1961-10-31 44.51 1961-10-31 44.51 1961-10-02 45.18 1961-10-02 45.18 1961-09-01 44.71 1961-09-01 44.71 1961-09-02 43.38 1961-07-28 43.38 1961-07-28 43.38 1961-06-29 41.94 1961-06-29 41.94 1961-05-29 41.71 1961-05-29 41.71 1961-05-31 43.08 1961-03-31 43.08 1961-03-31 43.08 1961-03-31 43.08 1961-03-31 43.08 1961-03-31 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 45.19 49.79 1960-12-01 49.79 1960-12-01 49.79 1960-12-01 49.79 1960-10-31 50.62 1960-10-31 50.62 1960-10-31 50.62 1960-08-31 46.85 1960-08-02 45.51 1960-08-02 45.51 1960-08-03 43.98 1960-06-03 43.98 1960-06-04 42.95 1960-06-04 42.95 1960-06-04 42.88 1960-06-04 42.88 1960-05-04 42.88 1960-05-04 42.83 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 45.26 1960-01-03 43.83 1958-02-02 41.89 1959-02-02 41.89 1959-02-02 41.89 1959-02-02 41.89 1959-02-02 41.89 1959-02-02 41.89 1959-02-02 41.89 1959-02-02 41.89 1959-02-02 41.89 1959-02-02 41.89 1959-02-03 46.65 1958-03-31 46.53 1958-03-31 46.54 1958-03-31 46.55 1958-03-31 46.54 1958-03-31 46.55 1958-03-31 46.54 1958-03-31 46.55	1962-02-27	40.34		1962-02-27	40.34	
1961-12-01 43.16 1961-10-31 44.51 1961-10-22 45.18 1961-10-02 45.18 1961-09-01 44.71 1961-09-01 44.71 1961-07-28 43.38 1961-06-29 41.94 1961-05-29 41.71 1961-06-29 41.94 1961-05-29 41.71 1961-05-29 41.71 1961-05-31 43.08 1961-03-31 43.08 1961-03-01 44.84 1961-03-01 44.84 1960-12-01 49.79 1960-12-01 49.79 1960-10-31 50.62 1960-10-31 50.62 1960-08-03 46.85 1960-08-31 46.85 1960-08-02 45.51 1960-08-02 45.51 1960-08-03 43.98 1960-08-03 43.98 1960-08-04 42.88 1960-08-04 42.85 1960-05-04 42.88 1960-06-04 42.95 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 45.26 1960-02-02 44.51 1960-02-02 41.73	1962-01-31	41.15		1962-01-31	41.15	
1961-10-31 44.51 1961-10-31 44.51 1961-10-02 45.18 1961-10-02 45.18 1961-10-02 45.18 1961-07-28 43.38 1961-07-28 43.38 1961-06-29 41.94 1961-06-29 41.94 1961-05-29 41.71 1961-05-29 41.71 1961-05-29 41.71 1961-05-20 41.71 1961-05-31 43.08 1961-03-31 43.08 1961-03-31 43.08 1961-03-31 44.84 1961-03-31 44.84 1961-02-01 46.19 1960-12-01 49.79 1960-12-01 49.79 1960-12-01 49.79 1960-12-01 50.62 1960-09-30 50.02 1960-09-30 50.02 1960-09-30 50.02 1960-09-30 46.85 1960-09-30 45.51 1960-06-31 46.85 1960-08-31 46.85 1960-08-31 46.85 1960-08-31 46.85 1960-06-01 42.95 1960-06-01 42.95 1960-06-01 42.95 1960-05-04 42.88 1960-05-04 42.88 1960-04-04 42.83 1960-04	1961-12-29	42.00		1961-12-29	42.00	
1961-10-02 45.18 1961-10-02 45.18 1961-09-01 44.71 1961-09-01 44.71 1961-07-28 43.38 1961-07-28 43.38 1961-07-28 41.94 1961-06-29 41.94 1961-06-29 41.71 1961-05-20 41.71 1961-05-20 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-02-01 46.19 1960-12-01 49.79 1960-12-01 49.79 1960-12-01 49.79 1960-12-01 49.79 1960-10-31 50.62 1960-09-30 50.02 1960-09-30 50.02 1960-08-31 46.85 1960-08-31 46.85 1960-08-31 46.85 1960-08-31 46.85 1960-08-31 46.85 1960-08-31 42.95 1960-08-31 42.95 1960-08-31 42.95 1960-06-30 43.98 1960-06-30 43.98 1960-06-30 42.88 1960-05-04 42.88 1960-05-04 42.88 1960-05-04 42.88 1960-05-04 42.88 1960-05-04 42.88 1960-02-29 44.51 1960-02-29 45.66 1960-02-29 46.95 1960-02	1961-12-01	43.16		1961-12-01	43.16	
1961-09-01 44.71 1961-09-01 44.71 1961-07-28 43.38 1961-07-28 43.38 1961-07-28 43.38 1961-07-28 43.38 1961-05-29 41.94 1961-05-29 41.71 1961-05-29 41.71 1961-05-01 41.71 1961-05-01 41.71 1961-05-01 44.71 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-03-01 44.84 1961-02-01 46.19 1960-12-01 49.79 1960-12-01 49.79 1960-10-31 50.62 1960-10-31 50.62 1960-09-30 50.02 1960-09-30 50.02 1960-09-30 50.02 1960-09-30 50.02 1960-09-30 45.51 1960-08-02 45.51 1960-08-02 45.51 1960-08-02 45.51 1960-08-04 42.88 1960-06-01 42.95 1960-06-01 42.95 1960-06-01 42.88 1960-05-04 42.88 1960-02-29 44.51 1960-02	1961-10-31	44.51		1961-10-31	44.51	
1961-07-28 43.38 1961-06-29 41.94 1961-06-29 41.94 1961-06-29 41.74 1961-05-20 41.71 1961-05-20 41.71 1961-03-31 43.08 1961-03-31 43.08 1961-03-01 44.84 1961-03-31 43.08 1961-02-01 46.19 1961-02-01 46.19 1960-12-01 49.79 1960-12-01 49.79 1960-10-31 50.62 1960-10-31 50.62 1960-08-03 50.02 1960-08-31 46.85 1960-08-04 45.51 1960-08-02 45.51 1960-08-03 43.98 1960-06-30 43.98 1960-06-30 43.98 1960-06-30 43.98 1960-05-04 42.88 1960-06-30 42.85 1960-02-29 44.51 1960-02-02 45.26 1950-02-29 44.51 1960-02-02 45.26 1959-04-01 41.73 1959-04-01 41.73 1959-02-27 40.81 1959-02-27 40.81 1958-12-31 42.72 1958-12-31 42.72	1961-10-02	45.18		1961-10-02		
1961-06-29 41.94 1961-05-29 41.71 1961-05-01 41.71 1961-05-29 41.71 1961-05-01 41.71 1961-05-20 41.71 1961-03-31 43.08 1961-03-31 43.08 1961-03-01 44.84 1961-03-01 44.84 1961-02-01 46.19 1960-12-01 49.79 1960-10-31 50.62 1960-10-31 50.62 1960-09-30 50.02 1960-09-30 50.02 1960-08-31 46.85 1960-08-31 46.85 1960-08-02 45.51 1960-08-31 46.85 1960-06-03 43.98 1960-06-30 43.98 1960-06-04 42.95 1960-06-01 42.95 1960-05-04 42.88 1960-06-01 42.88 1960-02-29 44.51 1960-02-29 44.51 1950-02-21 40.81 1950-04-04 42.83 1950-02-22 40.81 1950-02-22 40.81 1959-02-22 40.81 1959-02-22 40.81 1958-12-31 42.72 1958-12-31 45.08	1961-09-01	44.71		1961-09-01	44.71	
1961-05-29 41.71 1961-05-01 41.71 1961-05-31 43.08 1961-03-31 43.08 1961-03-01 44.84 1961-02-01 46.19 1960-102-01 49.79 1960-102-01 49.79 1960-10-31 50.62 1960-09-30 50.02 1960-08-31 46.85 1960-08-31 46.85 1960-08-02 45.51 1960-08-02 45.51 1960-06-30 43.98 1960-06-01 42.95 1960-05-04 42.88 1960-06-01 42.95 1960-02-02 45.51 1960-06-01 42.95 1960-05-04 42.88 1960-06-01 42.95 1960-02-02 45.26 1960-05-04 42.83 1960-02-02 45.26 1960-02-02 45.51 1960-02-02 45.26 1960-02-02 45.26 1959-04-01 41.73 1959-02-02 41.89 1959-02-02 41.89 1959-02-02 41.89 1958-12-31 42.72 1958-12-31 42.72 1958-09-30 46.07 1958-09-30 46.07 <td>1961-07-28</td> <td>43.38</td> <td></td> <td>1961-07-28</td> <td>43.38</td> <td></td>	1961-07-28	43.38		1961-07-28	43.38	
1961-05-01 41.71 1961-03-31 43.08 1961-03-31 43.08 1961-03-31 43.08 1961-03-01 44.84 1961-03-01 44.84 1961-02-01 46.19 1961-02-01 46.19 1960-12-01 49.79 1960-12-01 49.79 1960-09-30 50.02 1960-09-30 50.02 1960-08-31 46.85 1960-08-31 46.85 1960-08-31 46.85 1960-08-02 45.51 1960-06-30 43.98 1960-06-30 43.98 1960-06-01 42.95 1960-06-01 42.95 1960-06-04 42.83 1960-06-04 42.88 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 44.51 1960-02-02 45.26 1959-04-01 41.73 1959-04-01 41.73 1959-02-02 41.89 1959-02-02 40.81 1958-12-31 42.72 1958-12-31 42.72 1958-12-31 42.72 1958-10-31 45.08 1958-09-30 46.07 1958-09-30 46.95	1961-06-29	41.94		1961-06-29		
1961-03-31 43.08 1961-03-01 44.84 1961-03-01 46.19 1961-02-01 46.19 1960-12-01 49.79 1960-12-01 49.79 1960-10-31 50.62 1960-10-31 50.62 1960-09-30 50.02 1960-09-30 50.02 1960-08-31 46.85 1960-08-31 46.85 1960-08-02 45.51 1960-06-02 45.51 1960-06-30 43.98 1960-06-30 43.98 1960-05-04 42.88 1960-05-04 42.88 1960-05-04 42.83 1960-05-04 42.88 1960-02-29 44.51 1960-02-29 44.51 1960-02-29 44.51 1960-02-29 44.51 1960-02-29 44.51 1959-04-01 41.73 1959-04-01 41.73 1959-02-27 40.81 1959-02-27 40.81 1959-02-27 40.81 1958-12-31 42.72 1958-12-31 42.72 1958-10-31 45.08 1958-10-31 45.08 1958-09-30 46.07 1958-09-30 46.07	1961-05-29			1961-05-29		
1961-03-01 44.84 1961-03-01 44.84 1961-02-01 46.19 1961-02-01 46.19 1960-12-01 49.79 1960-12-01 49.79 1960-10-31 50.62 1960-09-30 50.02 1960-08-31 46.85 1960-08-31 46.85 1960-08-02 45.51 1960-08-03 43.98 1960-06-30 43.98 1960-06-03 43.98 1960-05-04 42.88 1960-06-01 42.95 1960-05-04 42.83 1960-05-04 42.88 1960-02-29 44.51 1960-04-04 42.83 1960-02-29 44.51 1960-02-29 44.51 1960-02-29 44.51 1960-02-02 45.26 1959-04-01 41.73 1959-04-01 41.73 1959-02-27 40.81 1959-02-02 40.81 1958-12-31 42.72 1958-12-31 42.72 1958-12-31 45.08 1958-10-31 45.08 1958-09-30 46.07 1958-09-30 46.07 1958-09-30 46.07 1958-09-30 46.07	1961-05-01	41.71		1961-05-01	41.71	
1961-02-01 46.19 1961-02-01 49.79 1960-10-31 50.62 1960-10-31 50.62 1960-09-30 50.02 1960-09-30 50.02 1960-08-31 46.85 1960-08-31 46.85 1960-08-02 45.51 1960-08-02 45.51 1960-06-03 43.98 1960-06-03 43.98 1960-06-01 42.95 1960-06-04 42.88 1960-05-04 42.88 1960-05-04 42.88 1960-02-02 45.26 1960-02-04 42.83 1960-02-02 45.26 1960-02-02 45.26 1959-04-01 41.73 1959-02-29 44.51 1959-04-01 41.73 1959-02-27 40.81 1959-02-02 41.89 1959-02-02 41.89 1958-12-03 43.83 1958-12-31 42.72 1958-12-03 43.83 1958-12-03 43.83 1958-10-01 46.59 1958-09-30 46.07 1958-09-30 46.07 1958-09-30 46.07 1958-09-31 46.24 1958-07-31 46.24	1961-03-31	43.08		1961-03-31	43.08	
1960-12-01 49.79 1960-10-31 50.62 50.62 1960-10-31 50.62 50.62 1960-09-30 50.02 50.02 50.02 1960-09-30 50.02 50.02 1960-08-31 46.85 1960-08-31 46.85 46.85 1960-08-02 45.51 1960-08-02 45.51 1960-08-02 45.51 1960-08-03 43.98 1960-06-30 43.98 1960-06-01 42.95 1960-06-01 42.95 1960-06-01 42.95 1960-06-01 42.95 1960-06-01 42.83 1960-04-04 42.83 1960-04-04 42.83 1960-04-04 42.83 1960-02-29 44.51 1960-02-2	1961-03-01	44.84		1961-03-01	44.84	
1960-10-31 50.62 1960-10-31 50.62 1960-09-30 50.02 1960-09-30 50.02 1960-08-31 46.85 1960-08-31 46.85 1960-08-02 45.51 1960-08-02 45.51 1960-06-30 43.98 1960-06-30 43.98 1960-05-04 42.88 1960-06-01 42.95 1960-02-04 42.88 1960-05-04 42.83 1960-02-29 44.51 1960-02-29 44.51 1960-02-02 45.26 1960-02-02 45.26 1959-04-01 41.73 1959-04-01 41.73 1959-02-27 40.81 1959-02-02 41.89 1958-12-31 42.72 1958-12-31 42.72 1958-12-31 42.72 1958-12-31 45.08 1958-10-31 45.08 1958-10-31 45.08 1958-09-30 46.07 1958-09-30 46.07 1958-09-31 46.59 1958-09-30 46.07 1958-05-29 45.33 1958-05-29 45.33 1958-05-29 45.33 1958-05-29 45.33	1961-02-01	46.19		1961-02-01	46.19	
1960-09-30 50.02 1960-08-31 46.85 1960-08-02 45.51 1960-06-30 43.98 1960-06-01 42.95 1960-06-04 42.88 1960-02-04 42.88 1960-02-09 44.51 1960-02-29 44.51 1960-02-02 45.26 1959-04-01 41.73 1959-02-27 40.81 1959-02-27 40.81 1959-02-02 41.89 1958-12-31 42.72 1958-12-31 42.72 1958-10-31 45.08 1958-10-31 46.59 1958-09-30 46.07 1958-09-30 46.07 1958-09-31 46.24 1958-05-29 45.33 1958-05-29 45.33 1958-05-29 45.33 1958-03-31 46.54 1958-03-31 46.54 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 <td>1960-12-01</td> <td>49.79</td> <td></td> <td>1960-12-01</td> <td>49.79</td> <td></td>	1960-12-01	49.79		1960-12-01	49.79	
1960-08-31 46.85 1960-08-02 45.51 1960-08-03 43.98 1960-06-01 42.95 1960-05-04 42.88 1960-05-04 42.88 1960-02-29 44.51 1960-02-29 44.51 1960-02-02 45.26 1959-04-01 41.73 1959-02-27 40.81 1959-02-27 40.81 1959-02-20 41.89 1958-12-31 42.72 1958-12-31 42.72 1958-12-03 43.83 1958-10-31 45.08 1958-10-31 45.08 1958-10-31 46.59 1958-09-30 46.07 1958-09-30 46.95 1958-07-31 46.24 1958-03-31 46.53 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-32 49.61 1958-01-32 49.61 1958-01-33 46.95 1958-01-31 46.53 1958-01-32 47.22 <td>1960-10-31</td> <td>50.62</td> <td></td> <td>1960-10-31</td> <td></td> <td></td>	1960-10-31	50.62		1960-10-31		
1960-08-02 45.51 1960-08-02 45.51 1960-06-30 43.98 1960-06-30 43.98 1960-06-01 42.95 1960-06-01 42.95 1960-05-04 42.88 1960-05-04 42.83 1960-02-29 44.51 1960-02-29 44.51 1960-02-02 45.26 1960-02-02 45.26 1959-04-01 41.73 1959-04-01 41.73 1959-02-27 40.81 1959-02-27 40.81 1959-02-02 41.89 1959-02-02 41.89 1958-12-31 42.72 1958-12-31 42.72 1958-12-31 45.08 1958-10-31 45.08 1958-10-31 45.08 1958-10-31 46.59 1958-09-30 46.07 1958-09-30 46.07 1958-09-31 46.24 1958-07-31 46.24 1958-05-29 45.33 1958-05-29 45.33 1958-03-31 46.53 1958-05-29 45.33 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61	1960-09-30	50.02		1960-09-30		
1960-06-30 43.98 1960-06-30 43.98 1960-06-01 42.95 1960-06-01 42.95 1960-05-04 42.88 1960-05-04 42.83 1960-02-29 44.51 1960-02-29 44.51 1960-02-02 45.26 1960-02-02 45.26 1959-04-01 41.73 1959-04-01 41.73 1959-02-27 40.81 1959-02-27 40.81 1959-02-02 41.89 1959-02-02 41.89 1958-12-31 42.72 1958-12-31 42.72 1958-10-31 45.08 1958-10-31 45.08 1958-10-01 46.59 1958-10-01 46.59 1958-09-30 46.07 1958-09-30 46.07 1958-09-03 46.95 1958-09-03 46.95 1958-05-29 45.33 1958-05-29 45.33 1958-05-29 45.33 1958-05-29 45.33 1958-03-31 46.53 1958-05-29 45.33 1958-03-31 46.53 1958-03-31 46.53 1958-01-31 48.20 1958-01-31 48.20	1960-08-31			1960-08-31		
1960-06-01 42.95 1960-06-01 42.88 1960-05-04 42.88 1960-05-04 42.88 1960-02-29 44.51 1960-02-29 44.51 1960-02-02 45.26 1960-02-02 45.26 1959-04-01 41.73 1959-02-07 40.81 1959-02-02 41.89 1959-02-02 41.89 1958-12-31 42.72 1958-12-31 42.72 1958-12-03 43.83 1958-12-03 43.83 1958-10-31 45.08 1958-10-31 45.08 1958-09-30 46.07 1958-09-30 46.07 1958-09-30 46.95 1958-09-30 46.95 1958-07-31 46.24 1958-07-31 46.24 1958-05-29 45.33 1958-05-29 45.33 1958-03-31 46.53 1958-05-29 45.33 1958-01-31 48.20 1958-01-31 48.20 1958-01-02 49.61 1958-01-02 49.61 1957-12-09 50.55 1957-12-09 50.55						
1960-05-04 42.88 1960-04-04 42.83 1960-02-29 44.51 1960-02-02 45.26 1959-04-01 41.73 1959-02-27 40.81 1959-02-27 40.81 1959-02-02 41.89 1958-12-31 42.72 1958-12-03 43.83 1958-10-31 45.08 1958-10-31 45.08 1958-09-30 46.07 1958-09-30 46.95 1958-09-31 46.24 1958-07-31 46.24 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1960-04-04 42.83 1960-02-29 44.51 1960-02-02 45.26 1959-04-01 41.73 1959-02-27 40.81 1959-02-02 41.89 1958-12-31 42.72 1958-12-03 43.83 1958-10-31 45.08 1958-10-01 46.59 1958-09-30 46.07 1958-09-31 46.24 1958-07-31 46.24 1958-05-29 45.33 1958-05-29 45.33 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-01-31 48.20 1958-01-31 48.20 1958-01-32 49.61 1957-12-09 50.55						
1960-02-29 44.51 1960-02-29 44.51 1960-02-02 45.26 1960-02-02 45.26 1959-04-01 41.73 1959-04-01 41.73 1959-02-27 40.81 1959-02-27 40.81 1959-02-02 41.89 1959-02-02 41.89 1958-12-31 42.72 1958-12-31 42.72 1958-10-31 45.08 1958-10-31 45.08 1958-10-31 45.08 1958-10-31 45.08 1958-09-30 46.07 1958-09-30 46.07 1958-09-30 46.95 1958-09-30 46.95 1958-07-31 46.24 1958-07-31 46.24 1958-05-29 45.33 1958-05-29 45.33 1958-03-31 46.53 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55 1957-12-09 50.55						
1960-02-02 45.26 1959-04-01 41.73 1959-02-27 40.81 1959-02-02 41.89 1958-12-31 42.72 1958-12-03 43.83 1958-10-31 45.08 1958-09-30 46.07 1958-09-30 46.07 1958-09-31 46.24 1958-06-30 45.51 1958-05-29 45.33 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-03-31 46.53 1958-01-31 48.20 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1959-04-01 41.73 1959-04-01 41.73 1959-02-27 40.81 1959-02-27 40.81 1959-02-02 41.89 1959-02-02 41.89 1958-12-31 42.72 1958-12-31 42.72 1958-10-31 45.08 1958-10-31 45.08 1958-10-01 46.59 1958-10-01 46.59 1958-09-30 46.07 1958-09-30 46.07 1958-09-03 46.95 1958-09-03 46.95 1958-07-31 46.24 1958-07-31 46.24 1958-06-30 45.51 1958-06-30 45.51 1958-05-29 45.33 1958-05-29 45.33 1958-03-31 46.53 1958-03-31 46.53 1958-01-31 48.20 1958-01-31 48.20 1958-01-02 49.61 1958-01-02 49.61 1957-12-09 50.55 50.55						
1959-02-27 40.81 1959-02-27 40.81 1959-02-02 41.89 1959-02-02 41.89 1958-12-31 42.72 1958-12-31 42.72 1958-10-31 45.08 1958-10-31 45.08 1958-10-01 46.59 1958-10-01 46.59 1958-09-30 46.07 1958-09-30 46.07 1958-09-03 46.95 1958-09-03 46.95 1958-07-31 46.24 1958-07-31 46.24 1958-05-29 45.33 1958-05-29 45.33 1958-03-31 46.53 1958-03-31 46.53 1958-01-31 48.20 1958-01-31 48.20 1958-01-02 49.61 1958-01-02 49.61 1957-12-09 50.55 1957-12-09 50.55						
1959-02-02 41.89 1958-12-31 42.72 1958-12-03 43.83 1958-10-31 45.08 1958-09-30 46.59 1958-09-30 46.07 1958-09-30 46.07 1958-09-31 46.95 1958-09-31 46.95 1958-07-31 46.24 1958-06-30 45.51 1958-05-29 45.33 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1958-12-31 42.72 1958-12-03 43.83 1958-10-31 45.08 1958-10-01 46.59 1958-09-30 46.07 1958-09-31 46.95 1958-09-32 46.07 1958-09-33 46.95 1958-07-31 46.24 1958-06-30 45.51 1958-05-29 45.33 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1958-12-03 43.83 1958-12-03 43.83 1958-10-31 45.08 1958-10-31 45.08 1958-10-01 46.59 1958-10-01 46.59 1958-09-30 46.07 1958-09-30 46.07 1958-09-03 46.95 1958-09-03 46.95 1958-07-31 46.24 1958-07-31 46.24 1958-06-30 45.51 1958-06-30 45.51 1958-05-29 45.33 1958-05-29 45.33 1958-03-31 46.53 1958-03-31 46.53 1958-01-31 48.20 1958-01-31 48.20 1958-01-02 49.61 1958-01-02 49.61 1957-12-09 50.55 1957-12-09 50.55						
1958-10-31 45.08 1958-10-01 46.59 1958-09-30 46.07 1958-09-03 46.95 1958-07-31 46.24 1958-06-30 45.51 1958-05-29 45.33 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1958-10-01 46.59 1958-09-30 46.07 1958-09-03 46.07 1958-09-03 46.95 1958-07-31 46.24 1958-06-30 45.51 1958-05-29 45.33 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1958-09-30 46.07 1958-09-03 46.95 1958-07-31 46.95 1958-07-31 46.24 1958-06-30 45.51 1958-05-29 45.33 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1958-09-03 46.95 1958-07-31 46.24 1958-06-30 45.51 1958-05-29 45.33 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1958-07-31 46.24 1958-06-30 45.51 1958-05-29 45.33 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1958-06-30 45.51 1958-05-29 45.33 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1958-05-29 45.33 1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1958-03-31 46.53 1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1958-02-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55 1958-01-28 47.22 1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55						
1958-01-31 48.20 1958-01-02 49.61 1957-12-09 50.55 1957-12-09 50.55						
1958-01-02 49.61 1958-01-02 49.61 1957-12-09 50.55 1957-12-09 50.55						
1957-12-09 50.55 1957-12-09 50.55						
1957-10-31 53.37 1957-10-31 53.37						
	1957-10-31	υ ა .ა <i>ι</i>		1957-10-31	აა.ა <i>1</i>	

Ground-wate	er levels, conti				Cast balance	Faatta
Date	Feet below Surface	Feet to Sealevel		Date	Feet below Surface	Feet to Sealevel
1957-09-30	56.37			1957-09-30	56.37	,
1957-09-03	55.26			1957-09-03	55.26	
1957-07-31	53.13			1957-07-31	53.13	
1957-07-01	49.41			1957-07-01	49.41	
1957-05-31	45.46			1957-05-31	45.46	
1957-05-01	44.71			1957-05-01	44.71	
1957-04-01	45.31			1957-04-01	45.31	
1957-03-01	45.71			1957-03-01	45.71	
1957-01-31	46.71			1957-01-31	46.71	
1956-12-31	47.36			1956-12-31	47.36	
1956-12-11	48.11			1956-12-11	48.11	
1956-10-08	50.71			1956-10-08	50.71	
1956-08-31	50.31			1956-08-31	50.31	
1956-08-01	49.49			1956-08-01	49.49	
1956-04-26	46.80			1956-04-26	46.80	
1956-03-01	47.66			1956-03-01	47.66	
1956-01-31	48.71			1956-01-31	48.71	
1956-01-18	48.60			1956-01-18	48.60	
1955-11-03	50.45			1955-11-03	50.45	
1955-08-31	49.99			1955-08-31	49.99	
1955-08-04	48.89			1955-08-04	48.89	
1955-07-01	46.51			1955-07-01	46.51	
1955-06-01	45.29			1955-06-01	45.29	
1955-05-06	45.04			1955-05-06	45.04	
1955-03-15	45.96			1955-03-15	45.96	
1955-02-16	46.51			1955-02-16	46.51	
1954-12-21	47.71			1954-12-21	47.71	
1954-11-16	48.42			1954-11-16	48.42	
1954-10-06	48.28			1954-10-06	48.28	
1954-09-07	47.51			1954-09-07	47.51	
1954-08-06	45.80			1954-08-06	45.80	
1954-04-30	40.99			1954-04-30	40.99	
1954-04-02	42.11			1954-04-02	42.11	
1954-03-02	42.86			1954-03-02	42.86	
1954-01-29	43.78			1954-01-29	43.78	
1954-01-19	43.71			1954-01-19	43.71	
1942-07-20	45.50			1942-07-20	45.50	
1942-07-03	45.72			1942-07-03	45.72	
1942-05-21	48.23			1942-05-21	48.23	
1942-04-21	45.41 45.01			1942-04-21	45.41 45.01	
1942-04-13				1942-04-13		
1942-04-06 1942-03-23	45.77 46.60			1942-04-06 1942-03-23	45.77 46.60	
1942-03-23	46.46			1942-03-23	46.46	
1942-03-10	46.56			1942-03-10	46.56	
1942-03-09	46.36			1942-03-09	46.36	
1942-02-09	46.14			1942-02-09	46.14	
1942-02-03	46.13			1942-02-09	46.13	
1942-02-02	46.46			1942-02-02	46.46	
1942-01-20	46.45			1942-01-20	46.45	
1941-12-29	46.36			1941-12-29	46.36	
1941-12-22	46.53			1941-12-22	46.53	
1941-12-01	47.93			1941-12-01	47.93	
1941-11-17	49.01			1941-11-17	49.01	
1941-11-10	48.88			1941-11-10	48.88	
				_		

_	Feet below	Feet to		Feet below	Feet to
Date	Surface	Sealevel	Date	Surface	Sealeve
1941-11-03	49.51		1941-11-03	49.51	
1941-10-27	50.49		1941-10-27	50.49	
1941-10-20	50.54		1941-10-20	50.54	
1941-10-13	50.58		1941-10-13	50.58	
1941-09-29	51.16		1941-09-29	51.16	
1941-09-22	52.18		1941-09-22	52.18	
1941-09-08	48.30		1941-09-08	48.30	
1941-09-02	48.79		1941-09-02	48.79	
1941-08-25	48.74		1941-08-25	48.74	
1941-08-18	49.45		1941-08-18	49.45	
1941-07-14	47.48		1941-07-14	47.48	
1941-07-07	44.10		1941-07-07	44.10	
1941-06-30	42.95		1941-06-30	42.95	
1941-06-16	42.68		1941-06-16	42.68	
1941-06-02	41.75		1941-06-02	41.75	
1941-05-12	39.42		1941-05-12	39.42	
1941-04-26	37.77		1941-04-26	37.77	
1941-04-14	36.62		1941-04-14	36.62	
1941-04-07	36.36		1941-04-07	36.36	
1941-03-31	36.34		1941-03-31	36.34	
1941-03-24	36.44		1941-03-24	36.44	
1941-03-17	36.41		1941-03-17	36.41	
1941-03-03	36.86		1941-03-03	36.86	
1941-02-24	37.69		1941-02-24	37.69	
1941-02-17	37.88		1941-02-17	37.88	
1941-02-10	38.98		1941-02-10	38.98	
1941-01-06	40.52		1941-01-06	40.52	
1940-12-30	39.52		1940-12-30	39.52	
1940-11-25	40.66		1940-11-25	40.66	
1940-11-04	41.14		1940-11-04	41.14	
1940-10-21	41.19		1940-10-21	41.19	
1940-09-23	41.49		1940-09-23	41.49	
1940-08-30	40.34		1940-08-30	40.34	
1940-08-19	39.94		1940-08-19	39.94	
1940-08-05	39.27		1940-08-05	39.27	
1940-07-22	39.60		1940-07-22	39.60	
1940-07-08	40.06		1940-07-08	40.06	
1940-06-27	40.52		1940-06-27	40.52	
1940-06-05	42.46		1940-06-05	42.46	
1940-05-29	43.06		1940-05-29	43.06	
1940-05-22	43.86		1940-05-22	43.86	
1940-05-15	44.89		1940-05-15	44.89	
1940-05-08	45.81		1940-05-08	45.81	
1940-05-01	46.64		1940-05-01	46.64	
1940-04-23	47.77		1940-04-23	47.77	
1940-04-17	48.95		1940-04-17	48.95	
1940-04-10	50.07		1940-04-10	50.07	
1940-04-03	51.48		1940-04-03	51.48	
1940-03-27	52.90		1940-03-27	52.90	
1940-03-20	54.01		1940-03-20	54.01	
1940-03-13	55.68		1940-03-13	55.68	
1940-03-06	57.20		1940-03-06	57.20	
. 5 . 5 5 5 5 5 5	JJ		10 10 00 00	JJ	

Map ID Direction Distance

Elevation Database EDR ID Number

A2 NE 1/2 - 1 Mile

FED USGS USGS40000230777

Higher

Org. Identifier: USGS-MD

Formal name: USGS Maryland Water Science Center

Monloc Identifier: USGS-385138076585902

Monloc name: AC Aa 7 Monloc type: Well

Monloc desc: Not Reported

02070010 Drainagearea value: Not Reported Huc code: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: 38.8606667 Contrib drainagearea units: Not Reported Latitude: Longitude: -76.9831389 Sourcemap scale: 24000 Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

Horiz coord refsys: NAD83 Vert measure val: 142.55 Vert measure units: feet Vertacc measure val: .03

Vert accmeasure units: feet

Vertcollection method: Differential Global Positioning System (GPS)r

Vert coord refsys: NAVD88 Countrycode: US

Aquifername: Northern Atlantic Coastal Plain aquifer system

Formation type: Potomac Group

Aquifer type: Confined single aquifer

Construction date: 20080508 Welldepth: 60 Welldepth units: ft Wellholedepth: 61.5

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

A3 NE FED USGS USGS40000230776

1/2 - 1 Mile Higher

Org. Identifier: USGS-MD

Formal name: USGS Maryland Water Science Center

Monloc Identifier: USGS-385138076585901

Monloc name: AC Aa 6
Monloc type: Well
Monloc desc: Not Reported
Huc code: 02070010

Drainagearea value: Not Reported Drainagearea Units: Not Reported Contrib drainagearea: Not Reported Contrib drainagearea units: Not Reported 38.8606667 Latitude: Longitude: -76.9831389 24000 Sourcemap scale: Horiz Acc measure: Horiz Acc measure units: seconds

Horiz Collection method: Global positioning system (GPS), uncorrected

Horiz coord refsys: NAD83 Vert measure val: 142.55 Vert measure units: feet Vertacc measure val: .03

Vert accmeasure units: feet

Vertcollection method: Differential Global Positioning System (GPS)r
Vert coord refsys: NAVD88 Countrycode:

Aquifername: Northern Atlantic Coastal Plain aquifer system

Formation type: Potomac Group

US

Aquifer type: Unconfined single aquifer

Construction date:20080508Welldepth:18.5Welldepth units:ftWellholedepth:19.5

Wellholedepth units: ft

Ground-water levels, Number of Measurements: 0

AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 20032

Number of sites tested: 143.

Maximum Radon Level: 11.3 pCi/L. Minimum Radon Level: 0.5 pCi/L.

pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
<4	4-10	10-20	20-50	50-100	>100
136 (95.10%)	6 (4.20%)	1 (0.70%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

St. Elizabeths 801 Shelter

Martin Luther King Jr. Avenue SE Washington, DC 20032

Inquiry Number: 5344997.8

June 26, 2018

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

06/26/18

Site Name: Client Name:

St. Elizabeths 801 Shelter
Martin Luther King Jr. Avenue (
Washington, DC 20032
EDR Inquiry # 5344997.8

Hillis-Carnes Eng. Assoc. 10975 Guilford Road Annapolis Junction, MD 20701

Annapolis Junction, IVID 207

Contact: Sean Harkins



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	Source
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=750'	Flight Date: February 09, 1998	USGS
1988	1"=500'	Acquisition Date: April 05, 1988	USGS/DOQQ
1981	1"=500'	Flight Date: February 04, 1981	USGS
1972	1"=500'	Flight Date: March 26, 1972	USGS
1970	1"=500'	Flight Date: September 01, 1970	USDA
1963	1"=500'	Flight Date: October 15, 1963	USDA
1960	1"=500'	Flight Date: January 26, 1960	USGS
1957	1"=500'	Flight Date: July 25, 1957	USDA
1952	1"=500'	Flight Date: October 17, 1952	USDA
1949	1"=500'	Flight Date: March 04, 1949	USGS
1937	1"=500'	Flight Date: May 31, 1937	USDA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

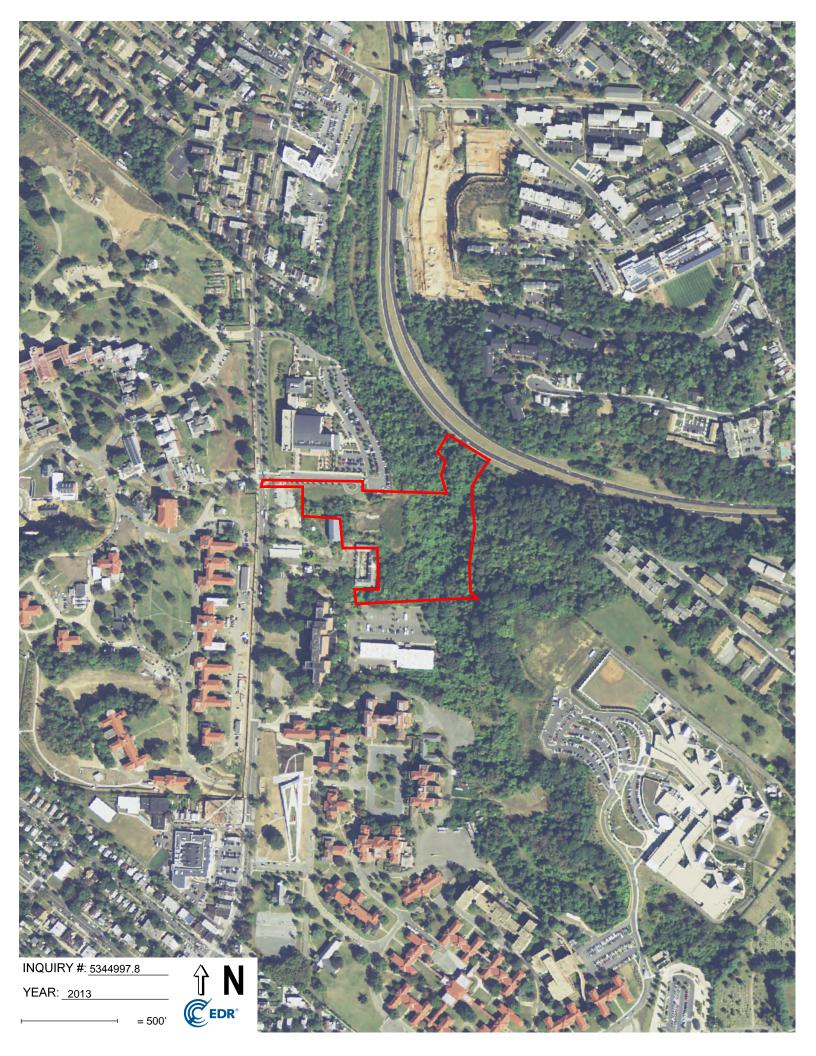
Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

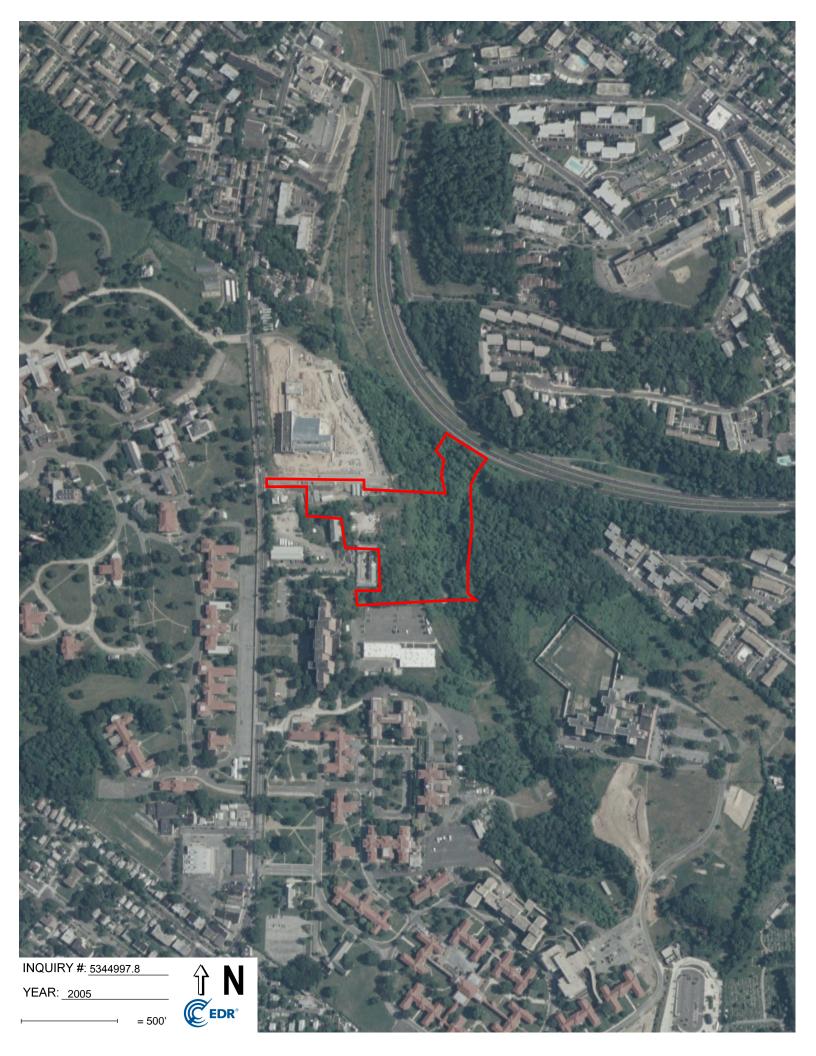
Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

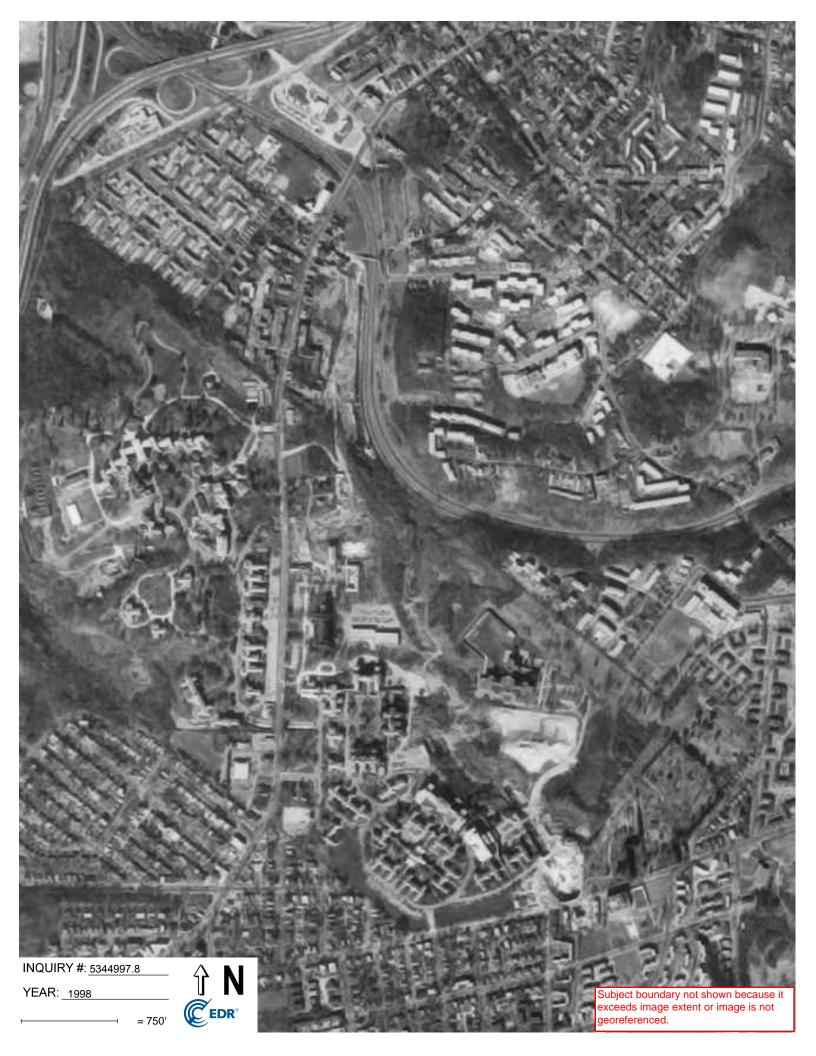
EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

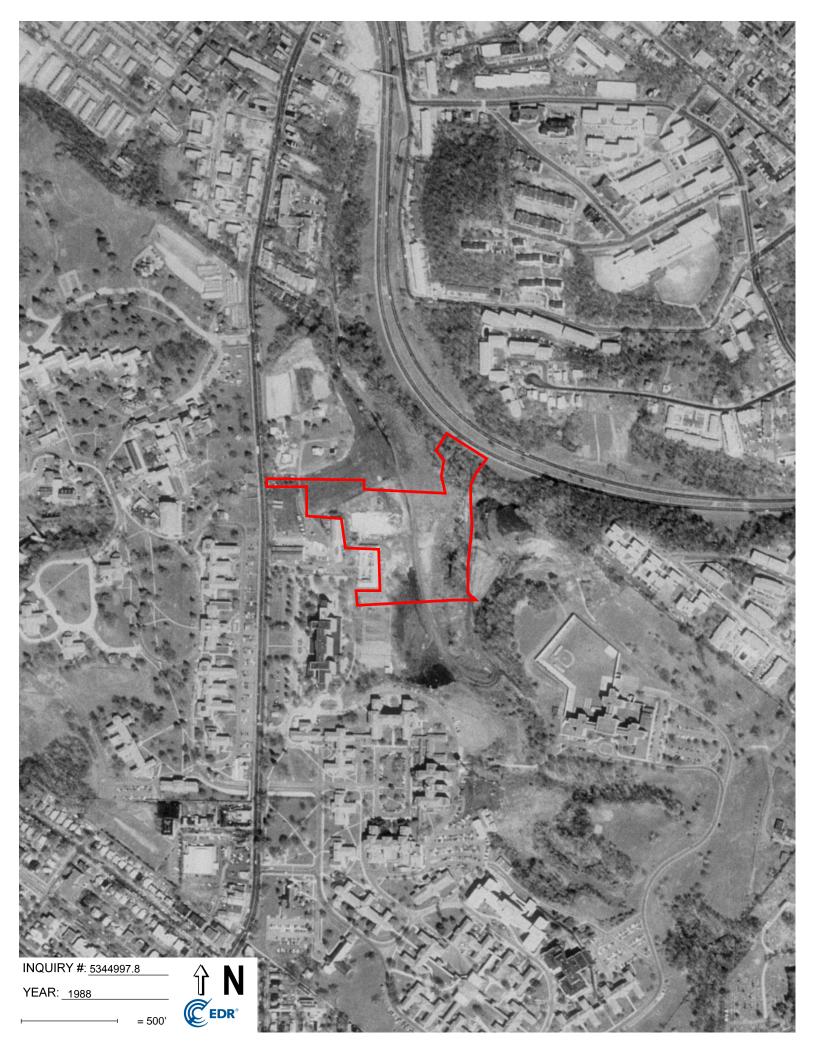




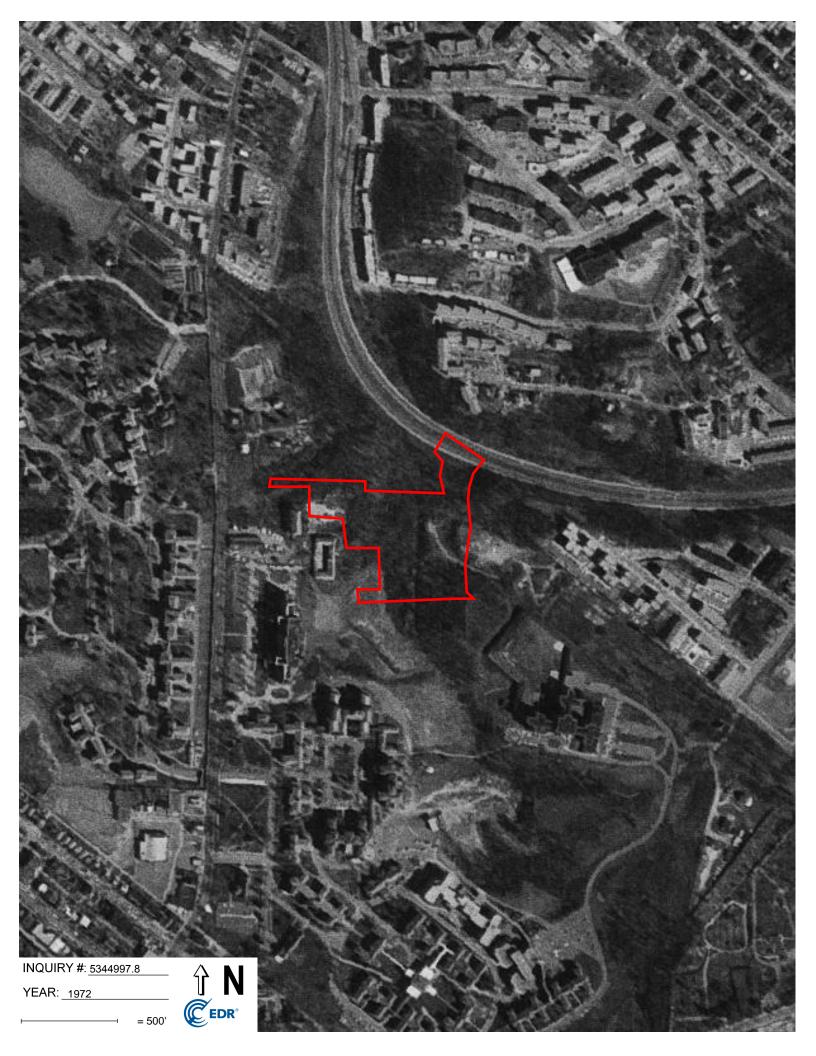


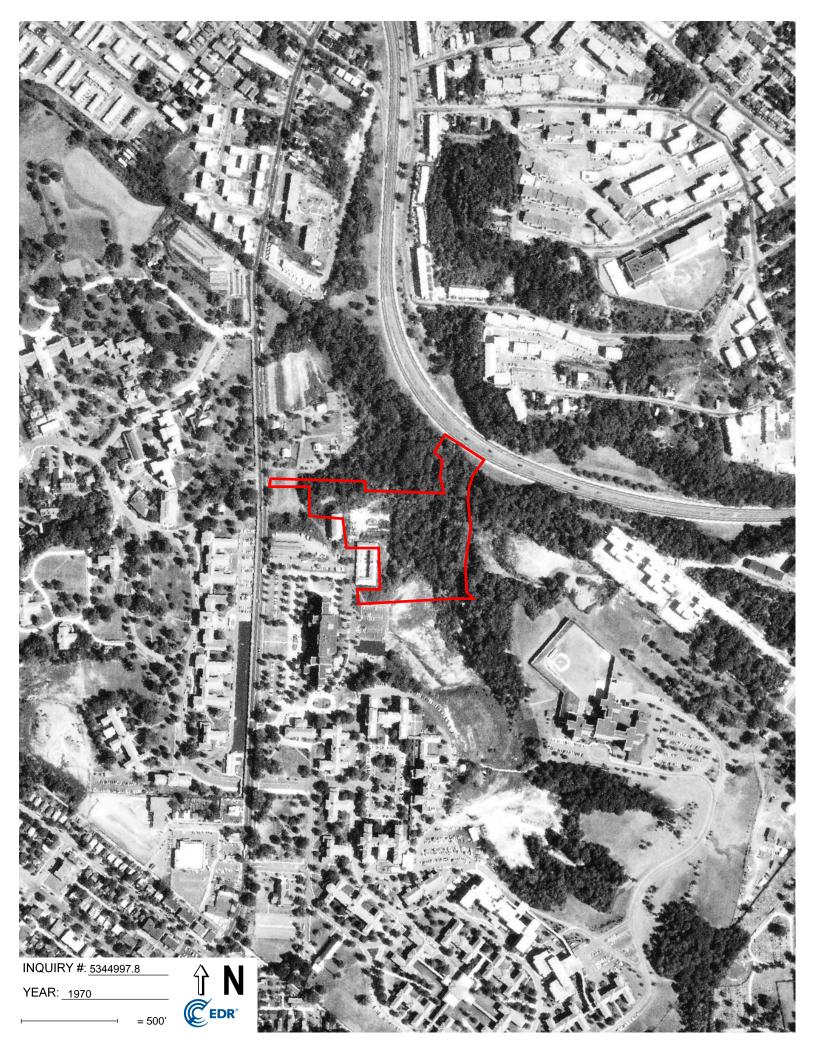


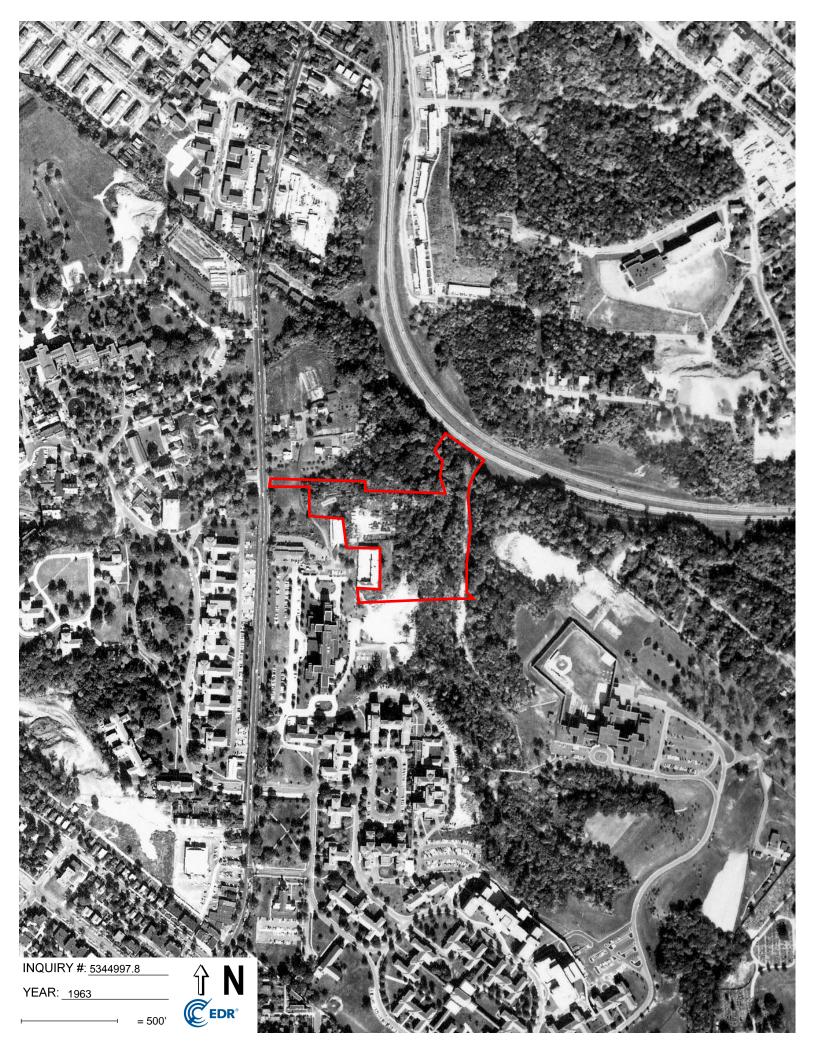


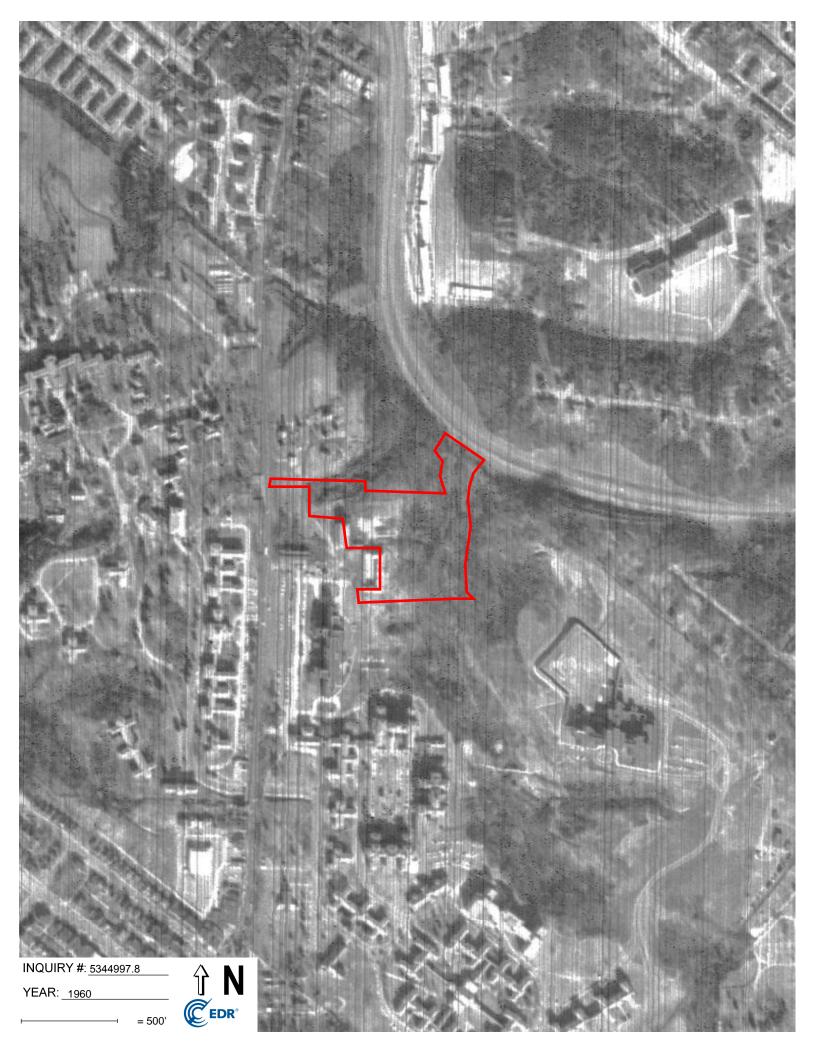


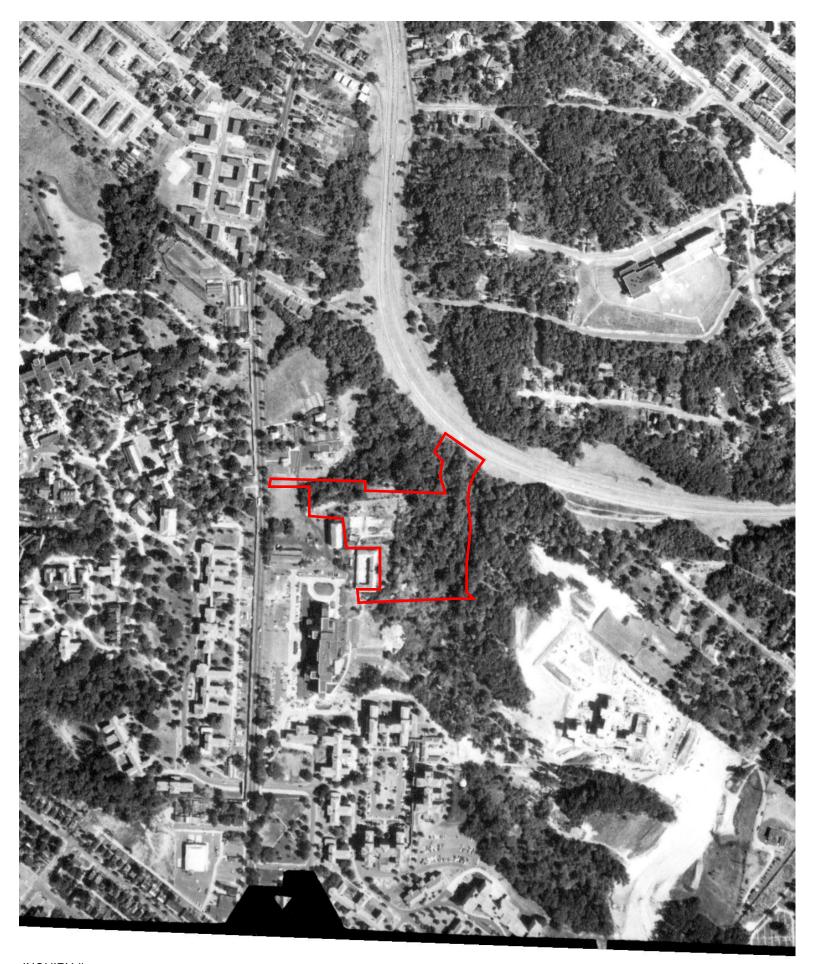








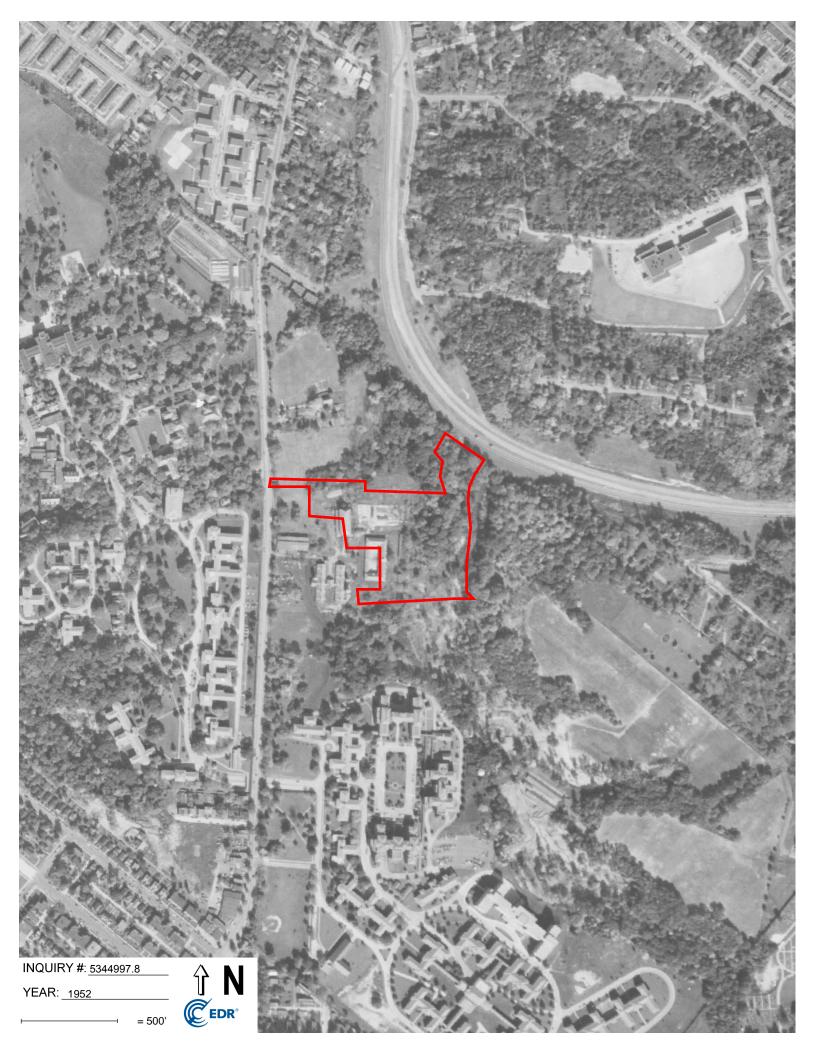


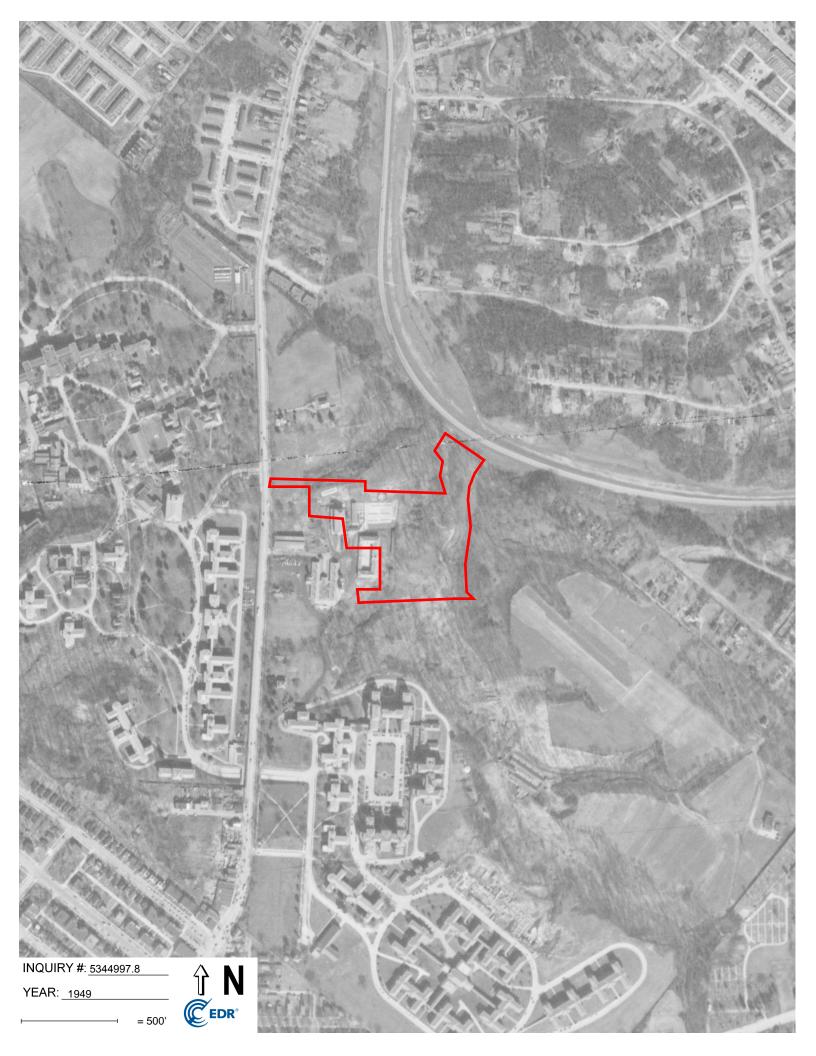


INQUIRY #: 5344997.8

YEAR: 1957

T N







St. Elizabeths 801 Shelter Martin Luther King Jr. Avenue SE Washington, DC 20032

Inquiry Number: 5344997.3

June 27, 2018

Certified Sanborn® Map Report



Certified Sanborn® Map Report

06/27/18

Site Name: Client Name:

St. Elizabeths 801 Shelter Martin Luther King Jr. Avenue 5 Washington, DC 20032

EDR Inquiry # 5344997.3

Hillis-Carnes Eng. Assoc. 10975 Guilford Road

Annapolis Junction, MD 20701

Contact: Sean Harkins



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Hillis-Carnes Eng. Assoc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 16DC-43B3-9F7C

PO# NA

18344B **Project**

Maps Provided:

1998 1927

1995

1992

1990

1989

1985

1977

1960



Sanborn® Library search results

Certification #: 16DC-43B3-9F7C

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress



✓ University Publications of America



EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Hillis-Carnes Eng. Assoc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

page 2

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1998 Source Sheets





Volume 10, Sheet 1039 1998-1999

Volume 10, Sheet 1106 1998-1999

1995 Source Sheets





Volume 10, Sheet 1039

Volume 10, Sheet 1106

1992 Source Sheets





Volume 10, Sheet 1039 1992

Volume 10, Sheet 1106 1992





Volume 10, Sheet 1039 1990



Volume 10, Sheet 1106 1990

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1989 Source Sheets



Volume 10, Sheet 1106 1989

1985 Source Sheets



Volume 10, Sheet 1106 1985

1977 Source Sheets



Volume 10, Sheet 1106 1977



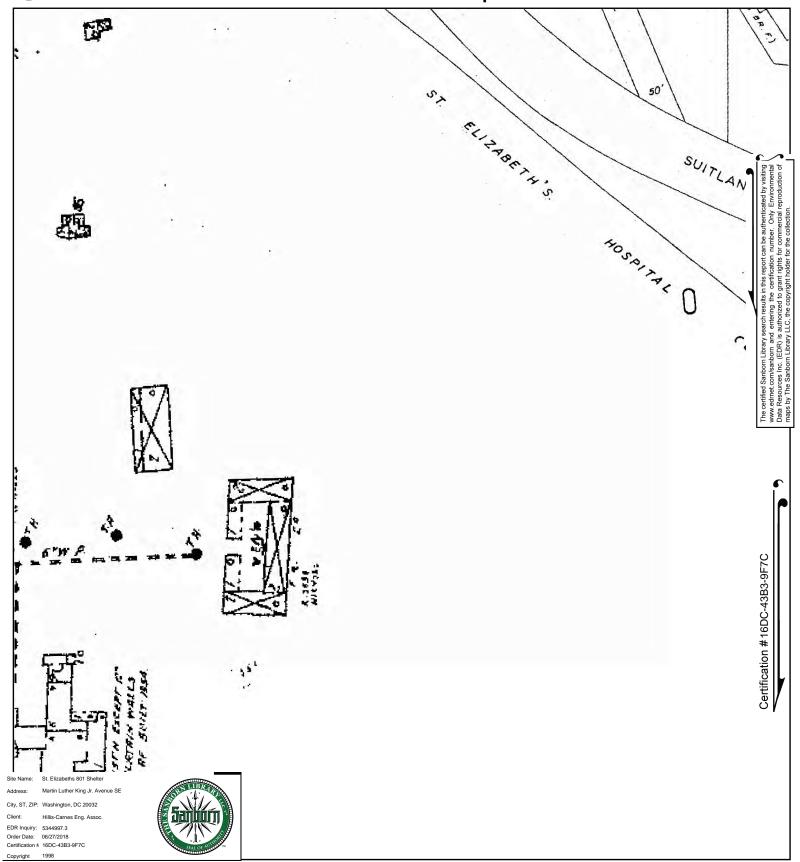
Volume 10, Sheet 1106 1960

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



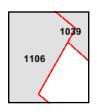


Volume 7, Sheet 1106 1927

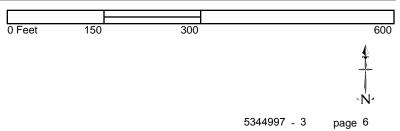


This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.





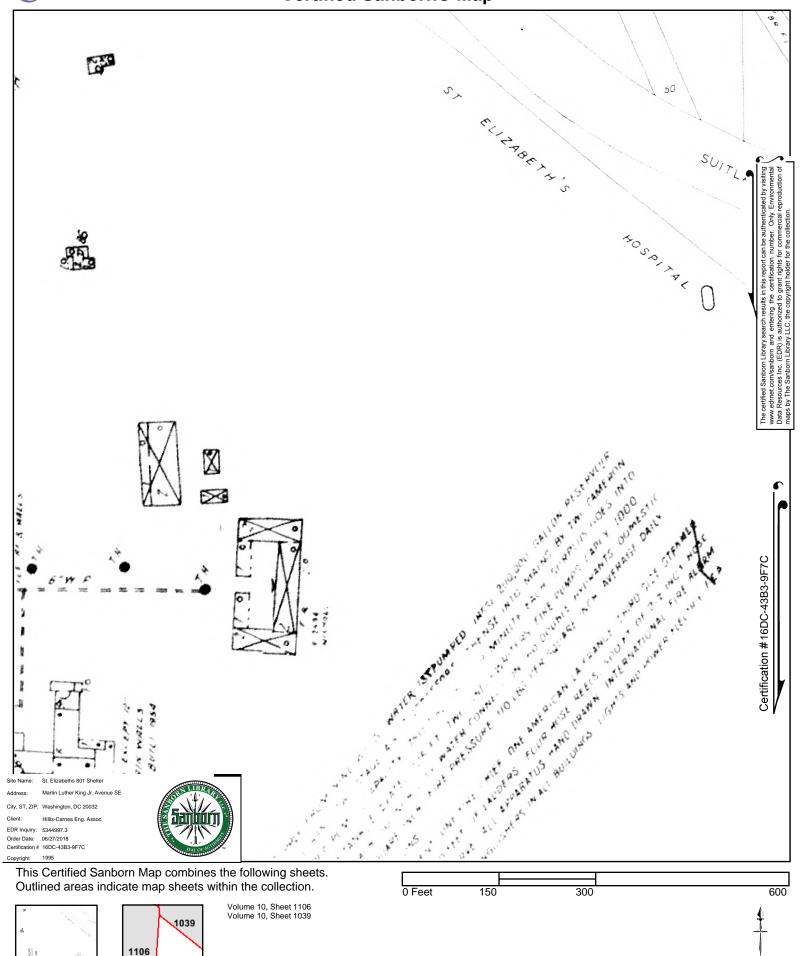
Volume 10, Sheet 1106 Volume 10, Sheet 1039



5344997 - 3

page 7



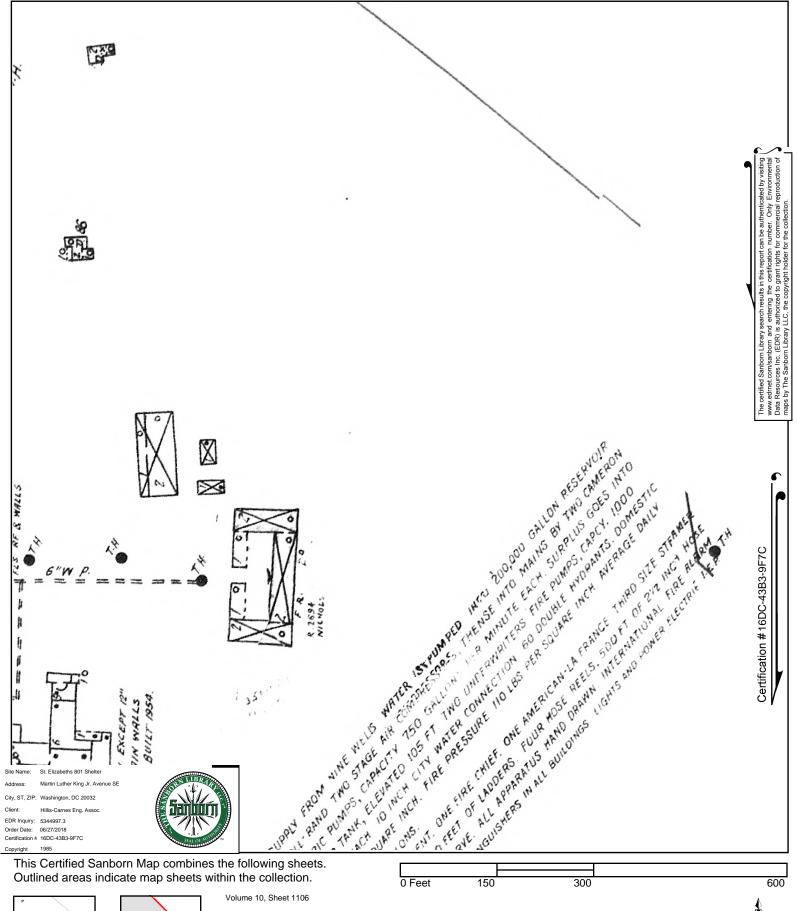


5344997 - 3

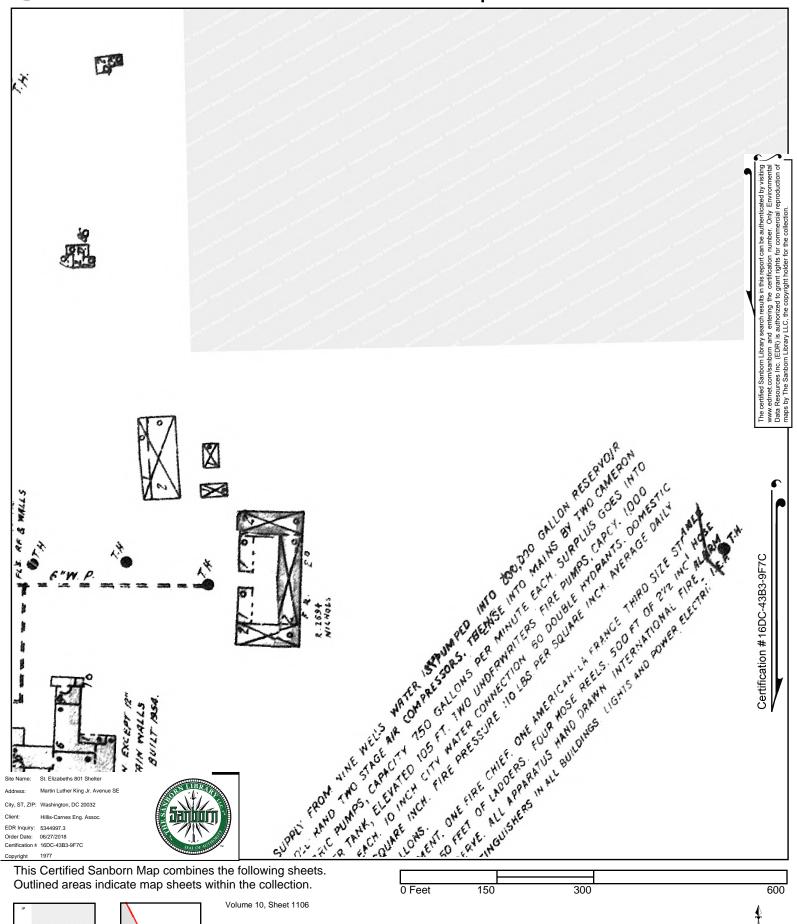
page 11



1106

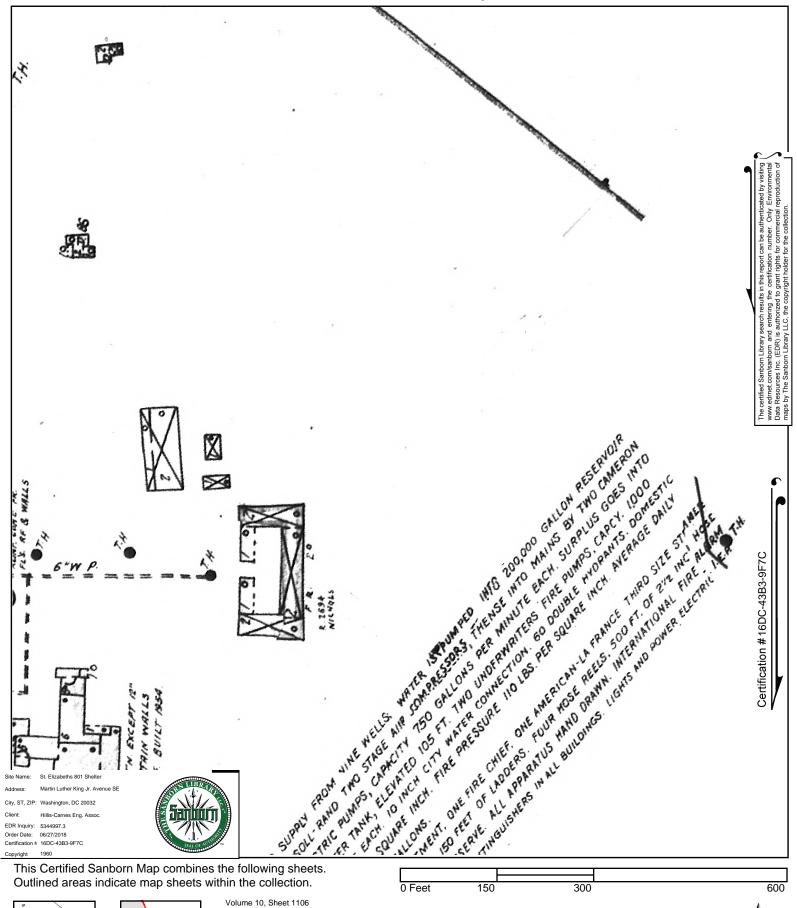






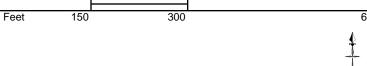
5344997 - 3 page 12





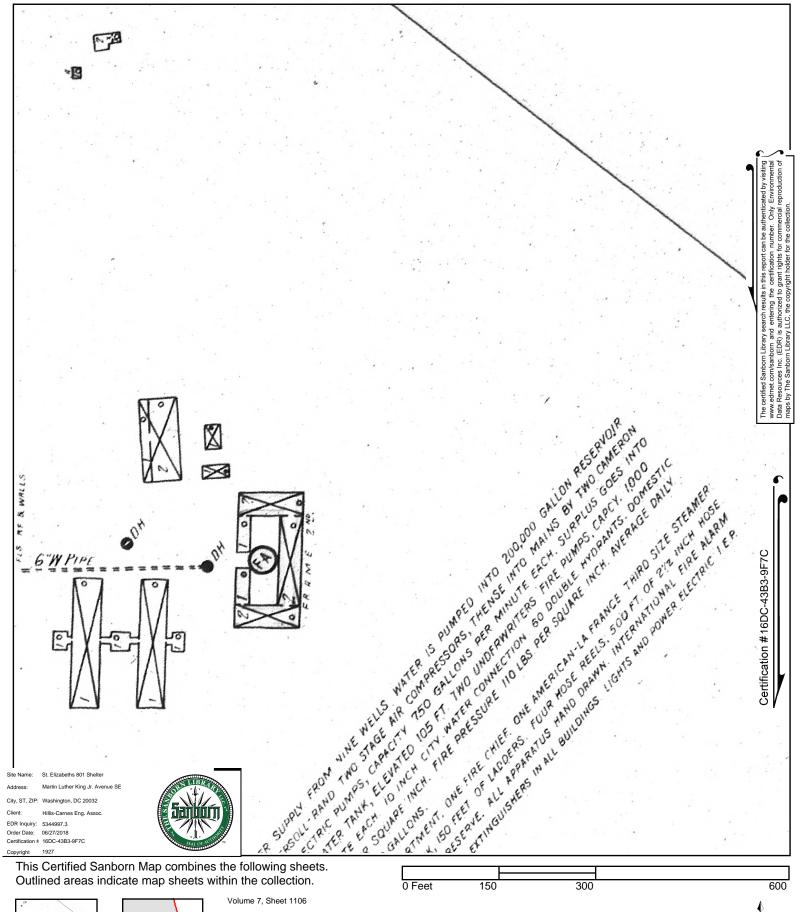






5344997 - 3 page 13











5344997 - 3

page 14

St. Elizabeths 801 Shelter Martin Luther King Jr. Avenue SE Washington, DC 20032

Inquiry Number: 5344997.3

June 27, 2018

Certified Sanborn® Map Report



Certified Sanborn® Map Report

06/27/18

Site Name: Client Name:

St. Elizabeths 801 Shelter Martin Luther King Jr. Avenue 5 Washington, DC 20032

EDR Inquiry # 5344997.3

Hillis-Carnes Eng. Assoc. 10975 Guilford Road

Annapolis Junction, MD 20701

Contact: Sean Harkins



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Hillis-Carnes Eng. Assoc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 16DC-43B3-9F7C

PO# NA

18344B **Project**

Maps Provided:

1998 1927

1995

1992

1990

1989

1985

1977

1960



Sanborn® Library search results

Certification #: 16DC-43B3-9F7C

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress



✓ University Publications of America



EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Hillis-Carnes Eng. Assoc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

page 2

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1998 Source Sheets



Volume 10, Sheet 1106 1998-1999

1995 Source Sheets



Volume 10, Sheet 1106

1992 Source Sheets



Volume 10, Sheet 1106 1992



Volume 10, Sheet 1106 1990

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1989 Source Sheets



Volume 10, Sheet 1106 1989

1985 Source Sheets



Volume 10, Sheet 1106 1985

1977 Source Sheets



Volume 10, Sheet 1106 1977



Volume 10, Sheet 1106 1960

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.





Volume 7, Sheet 1106 1927

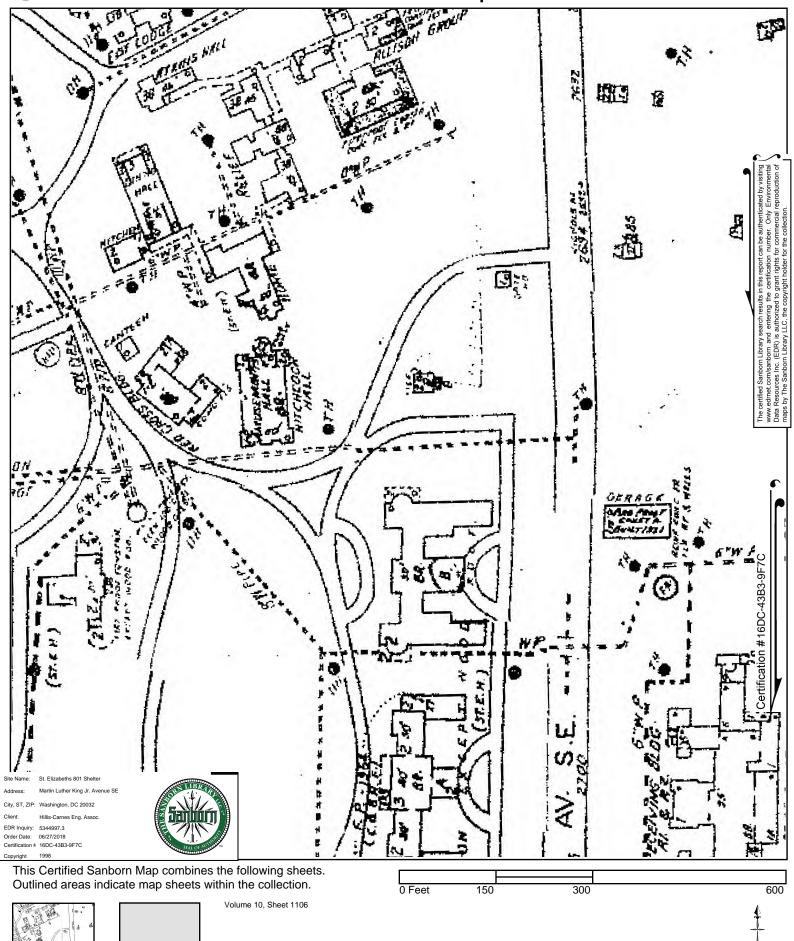
5344997 - 3

page 6





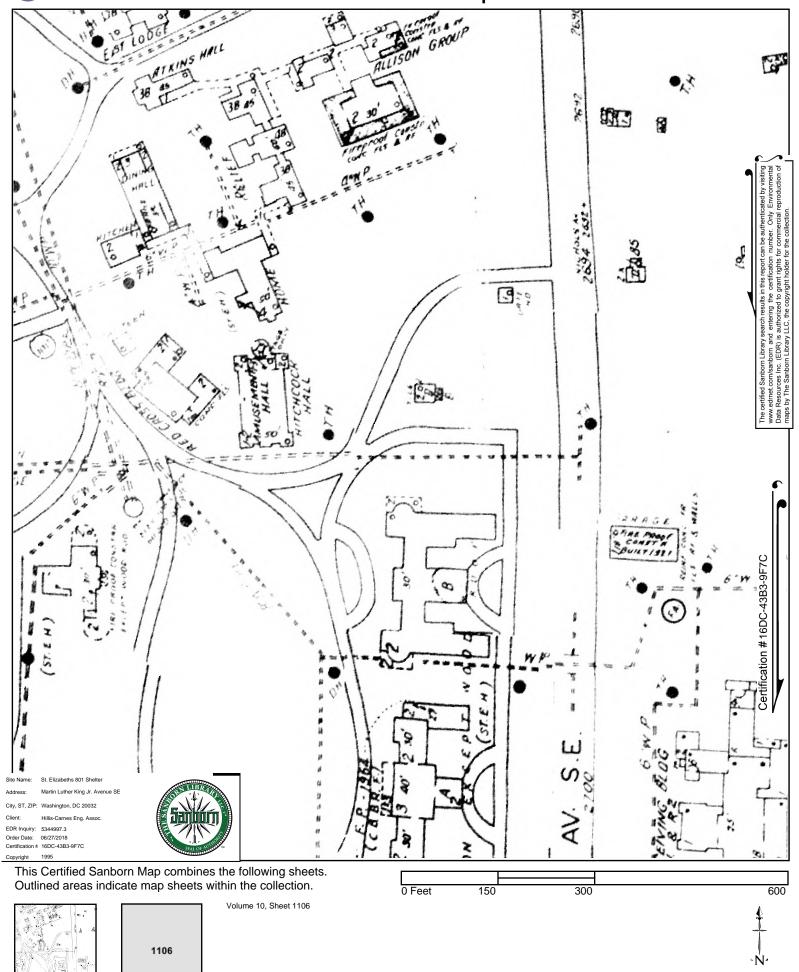
1106



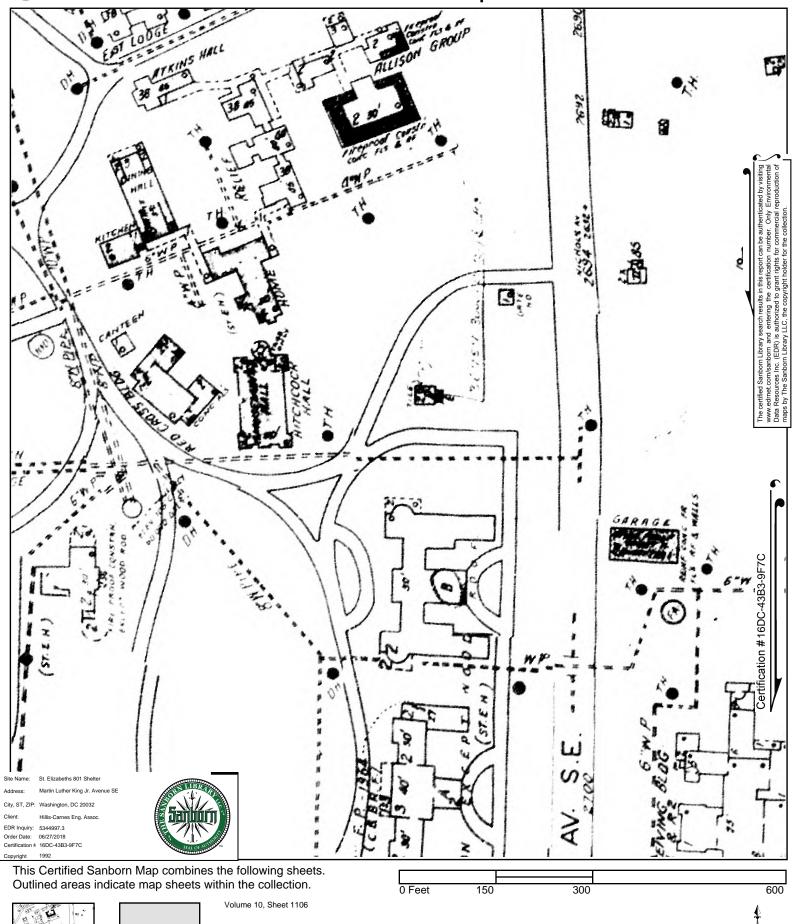
5344997 - 3

page 7





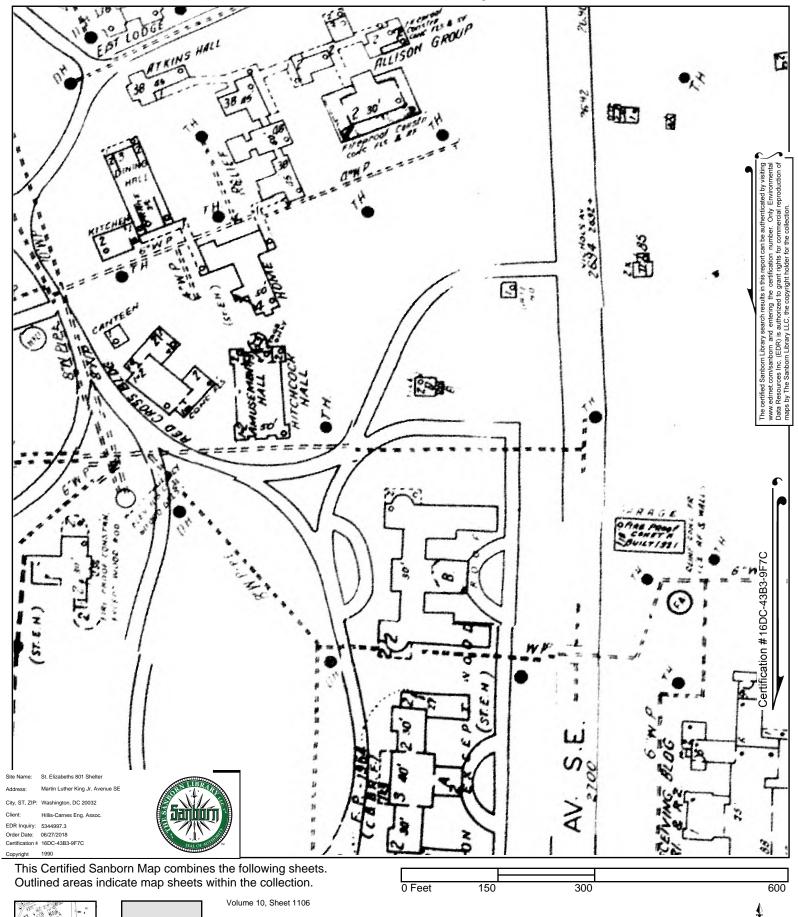




5344997 - 3 page 8

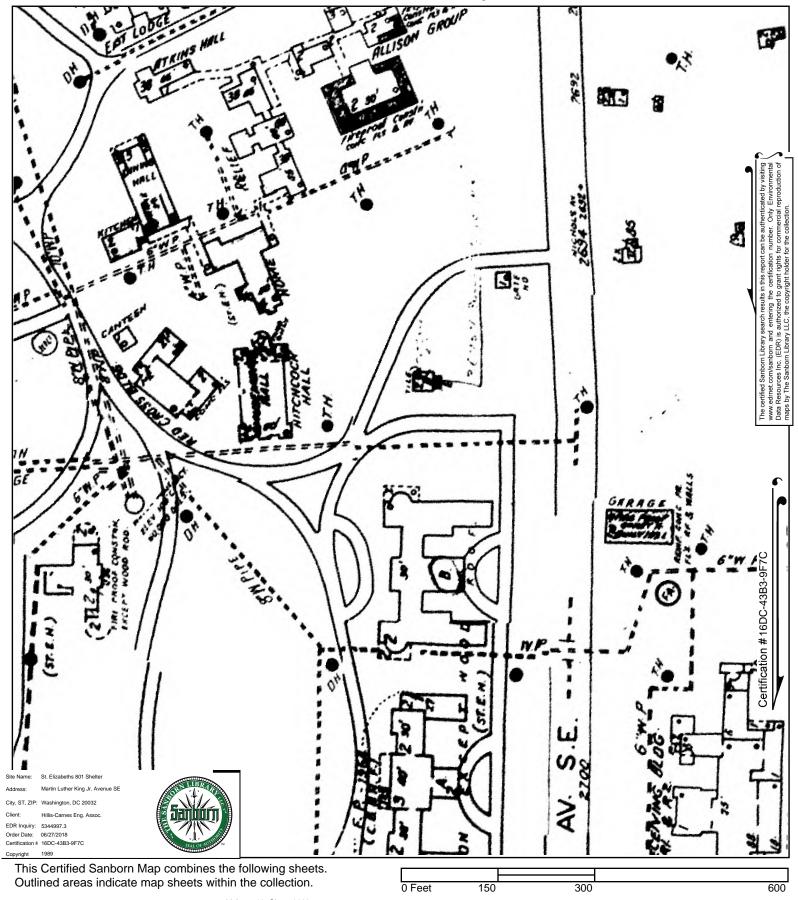










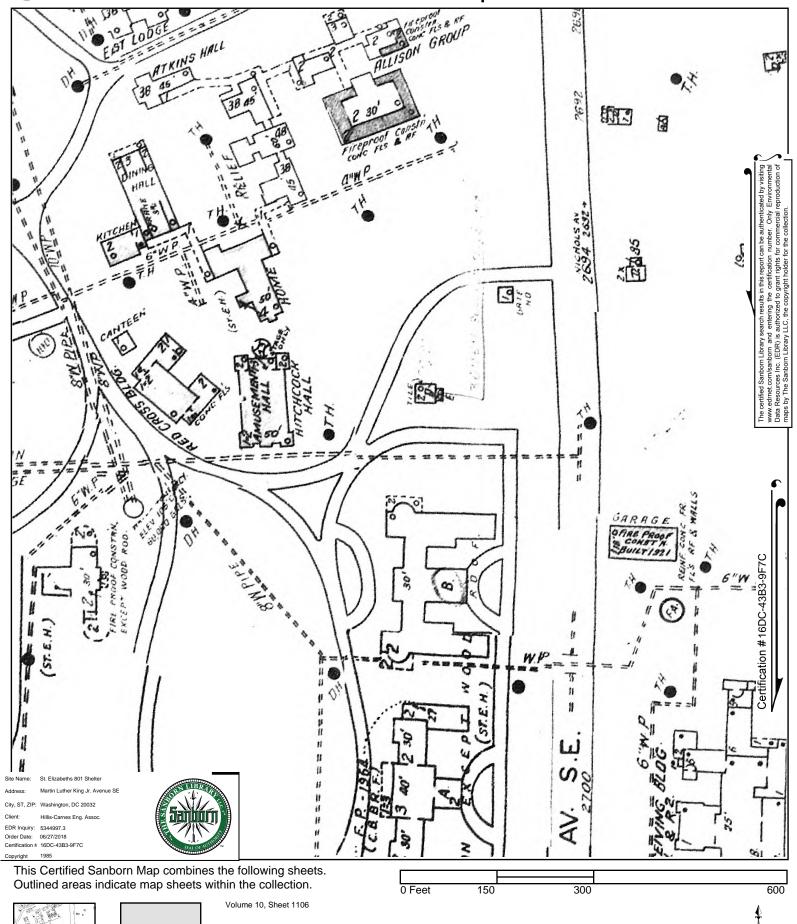




Volume 10, Sheet 1106

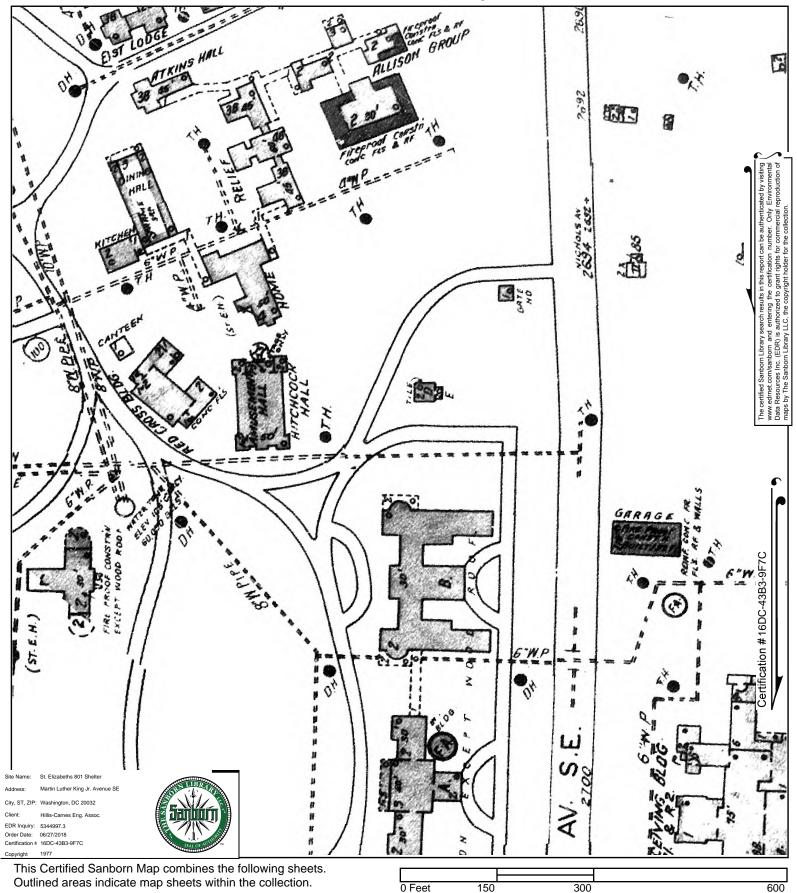






5344997 - 3 page 11

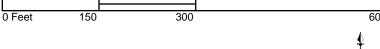






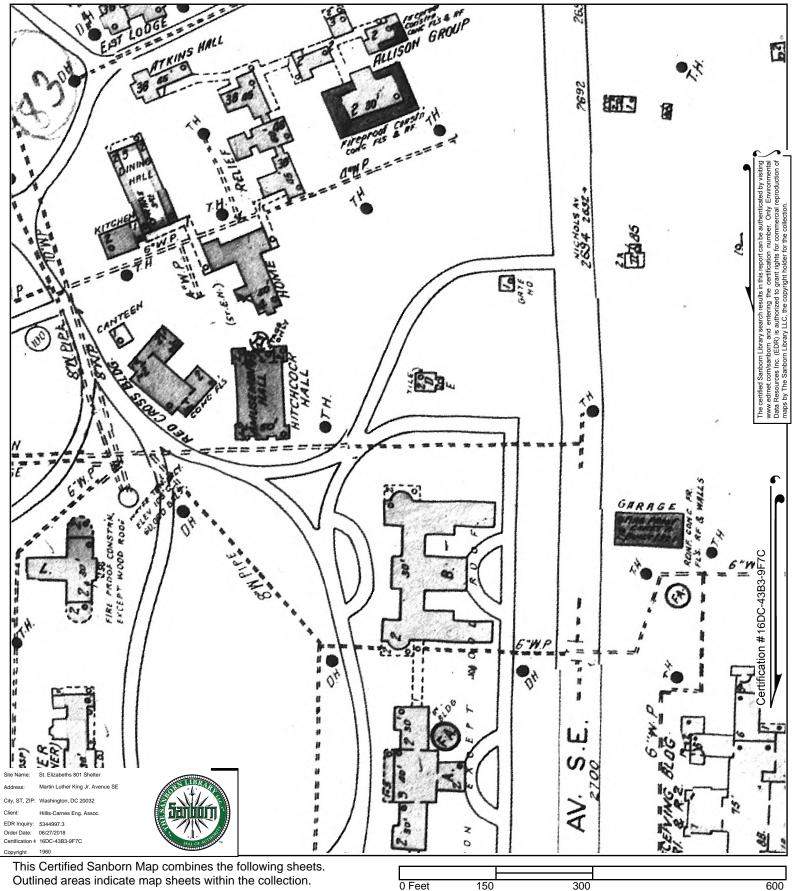


Volume 10, Sheet 1106



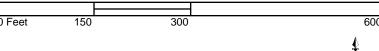


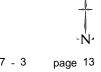






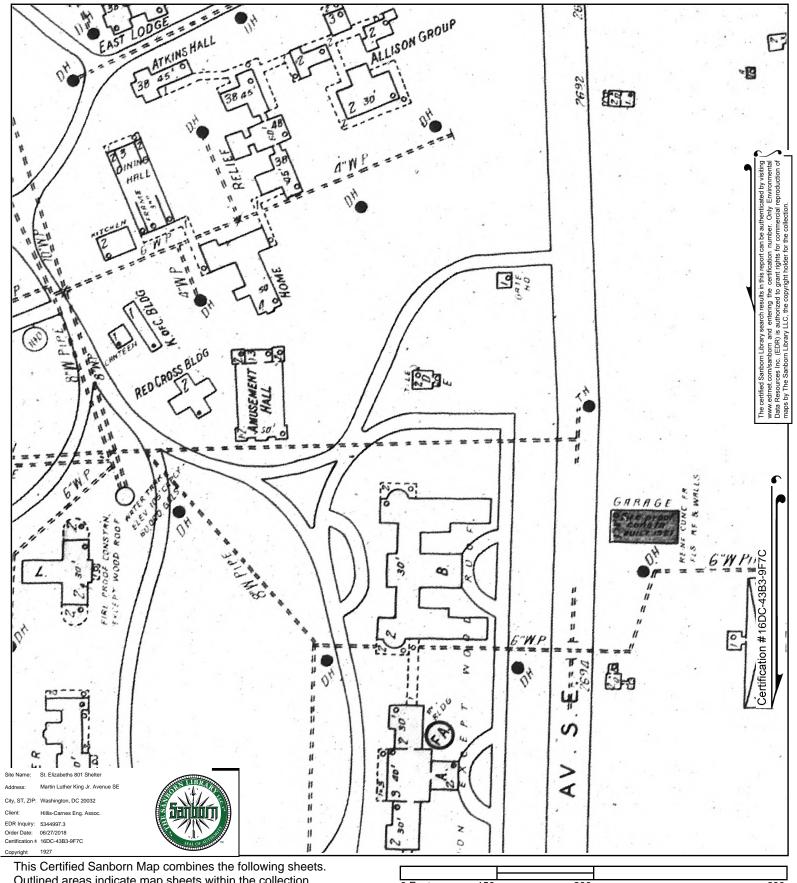
Volume 10, Sheet 1106









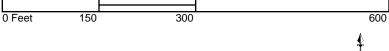


Outlined areas indicate map sheets within the collection.



1106

Volume 7, Sheet 1106





St. Elizabeths 801 Shelter Martin Luther King Jr. Avenue SE Washington, DC 20032

Inquiry Number: 5344997.3

June 27, 2018

Certified Sanborn® Map Report



Certified Sanborn® Map Report

06/27/18

Site Name: Client Name:

St. Elizabeths 801 Shelter Martin Luther King Jr. Avenue 5 Washington, DC 20032

EDR Inquiry # 5344997.3

Hillis-Carnes Eng. Assoc. 10975 Guilford Road

Annapolis Junction, MD 20701

Contact: Sean Harkins



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Hillis-Carnes Eng. Assoc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 16DC-43B3-9F7C

PO# NA

18344B **Project**

Maps Provided:

1998 1927

1995

1992

1990

1989

1985

1977

1960



Sanborn® Library search results

Certification #: 16DC-43B3-9F7C

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress



✓ University Publications of America



EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Hillis-Carnes Eng. Assoc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

page 2

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1998 Source Sheets



Volume 10, Sheet 1106 1998-1999

1995 Source Sheets



Volume 10, Sheet 1106

1992 Source Sheets



Volume 10, Sheet 1106 1992



Volume 10, Sheet 1106 1990

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1989 Source Sheets



Volume 10, Sheet 1106 1989

1985 Source Sheets



Volume 10, Sheet 1106 1985

1977 Source Sheets



Volume 10, Sheet 1106 1977



Volume 10, Sheet 1106 1960

Sanborn Sheet Key

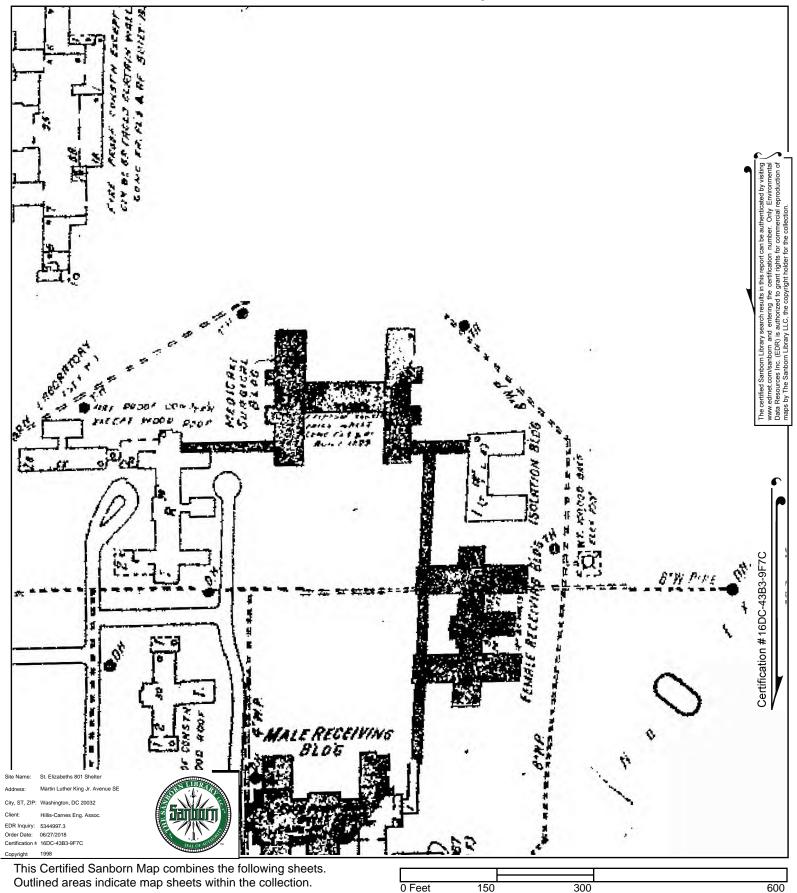
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.





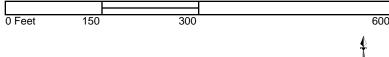
Volume 7, Sheet 1106 1927









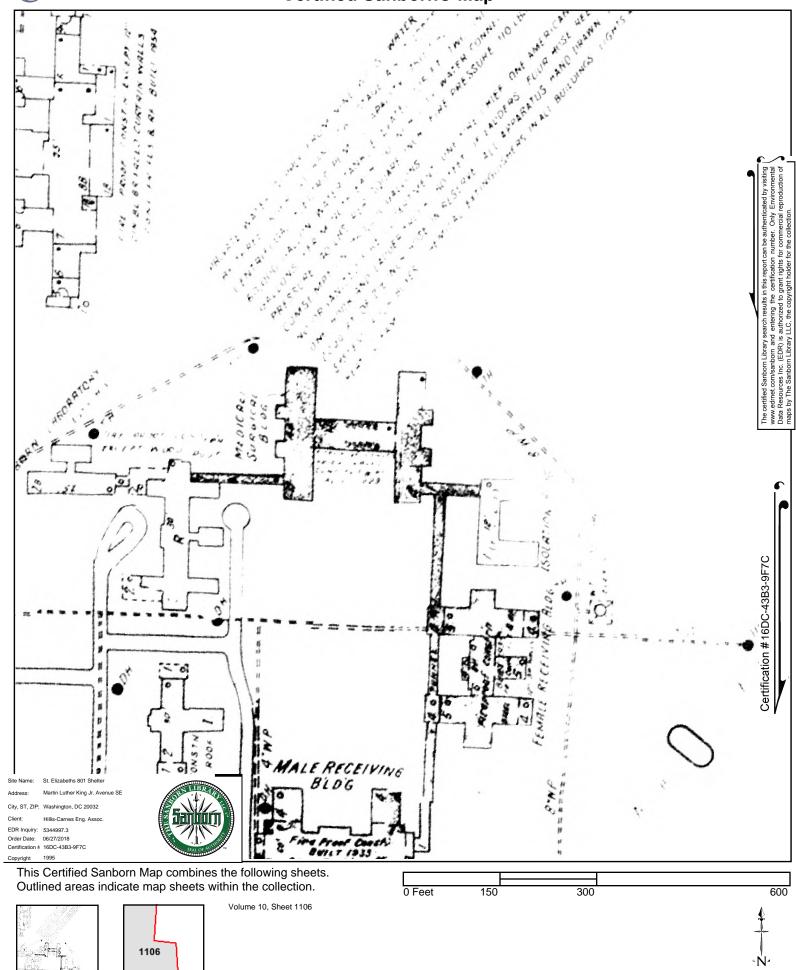




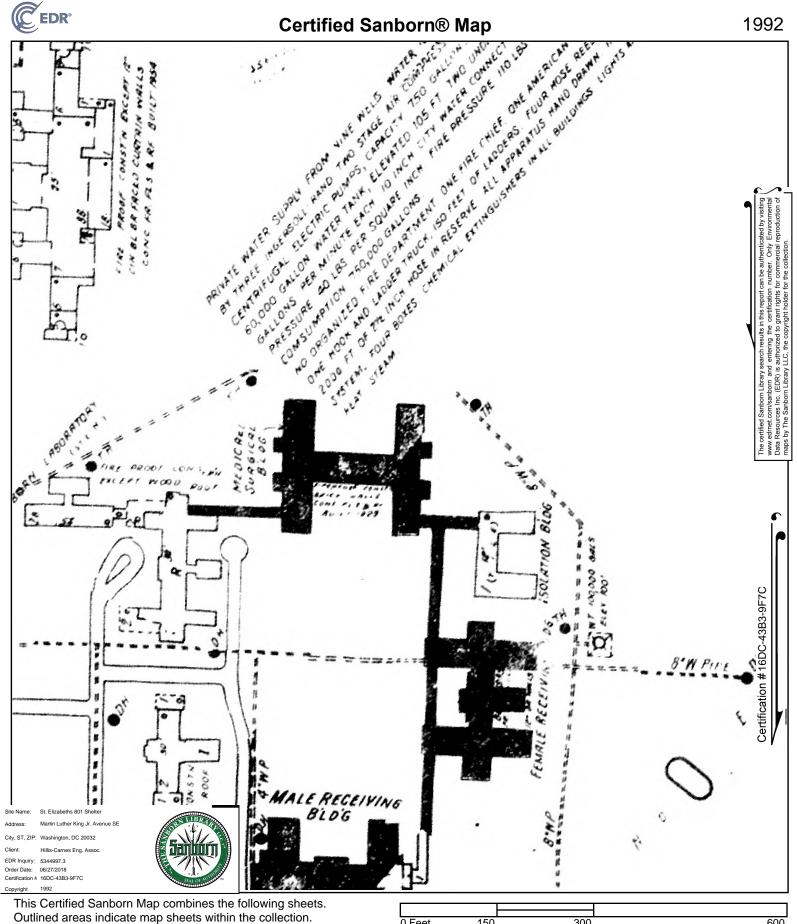
5344997 - 3

page 7



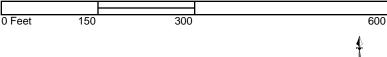








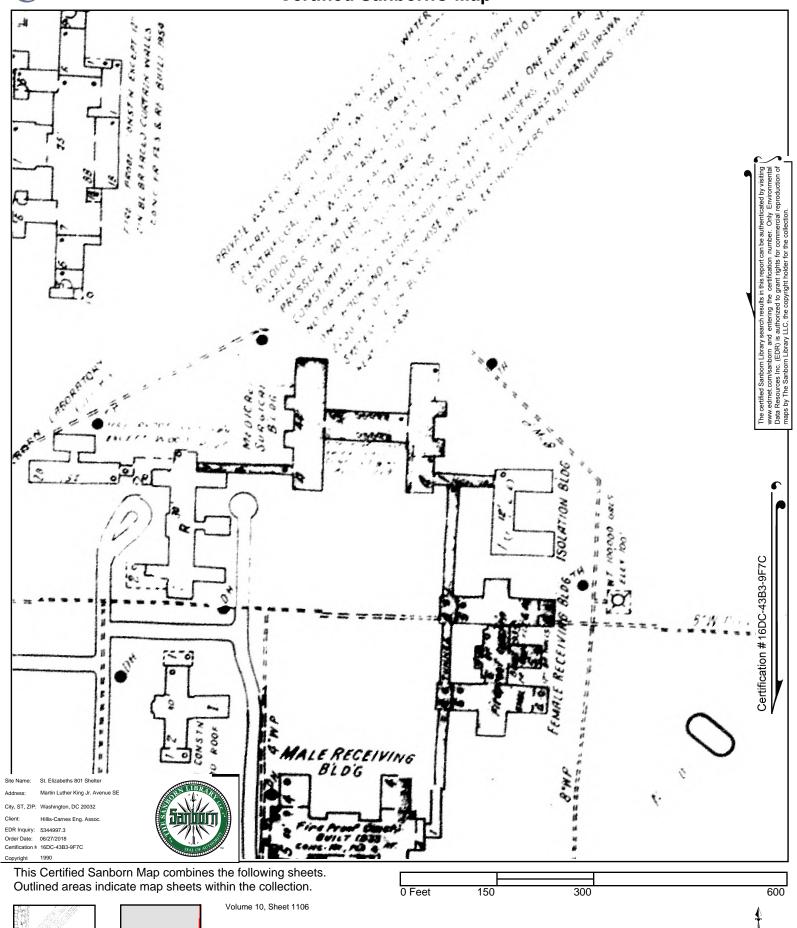






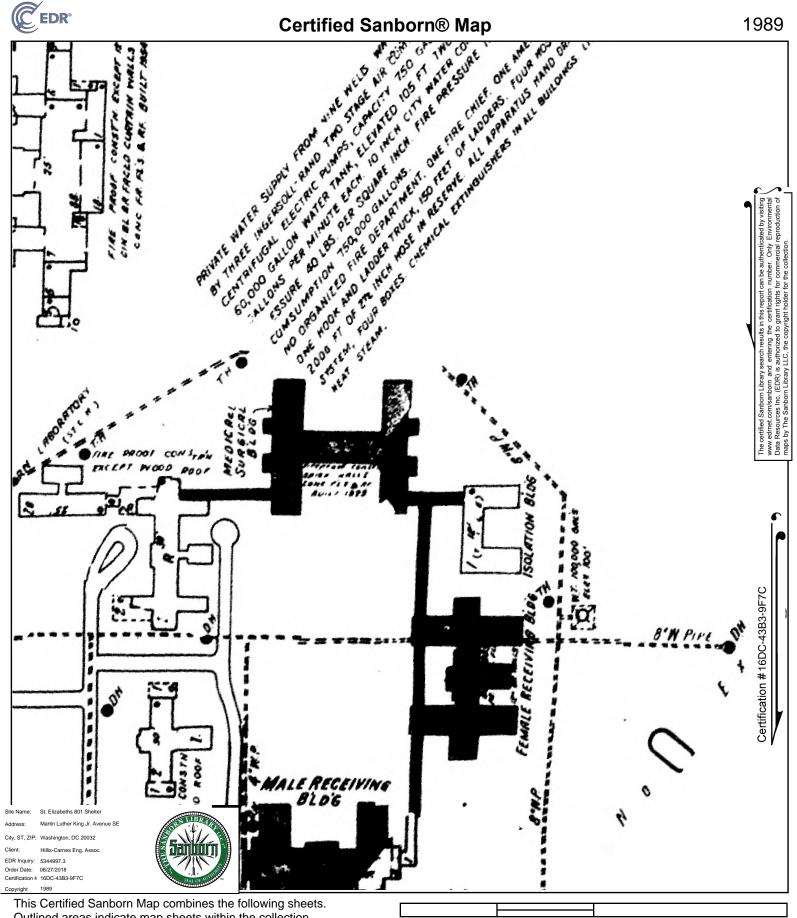


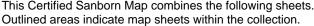
1106



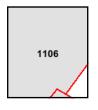
5344997 - 3 page 9

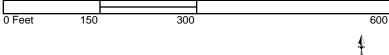






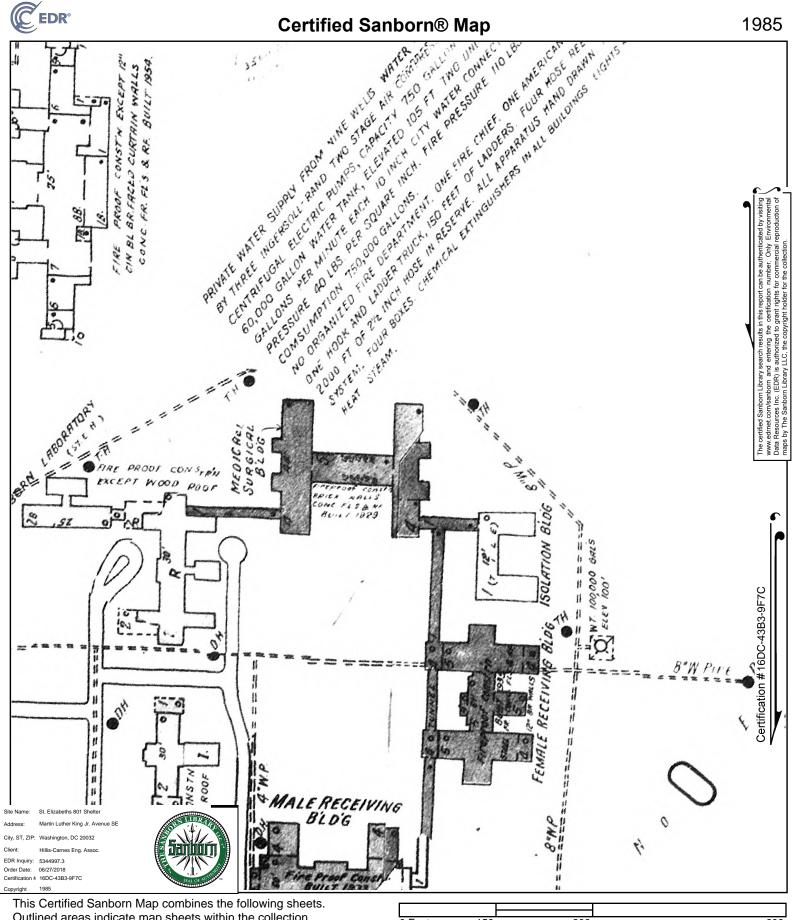


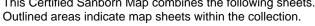




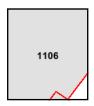


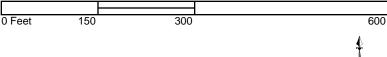






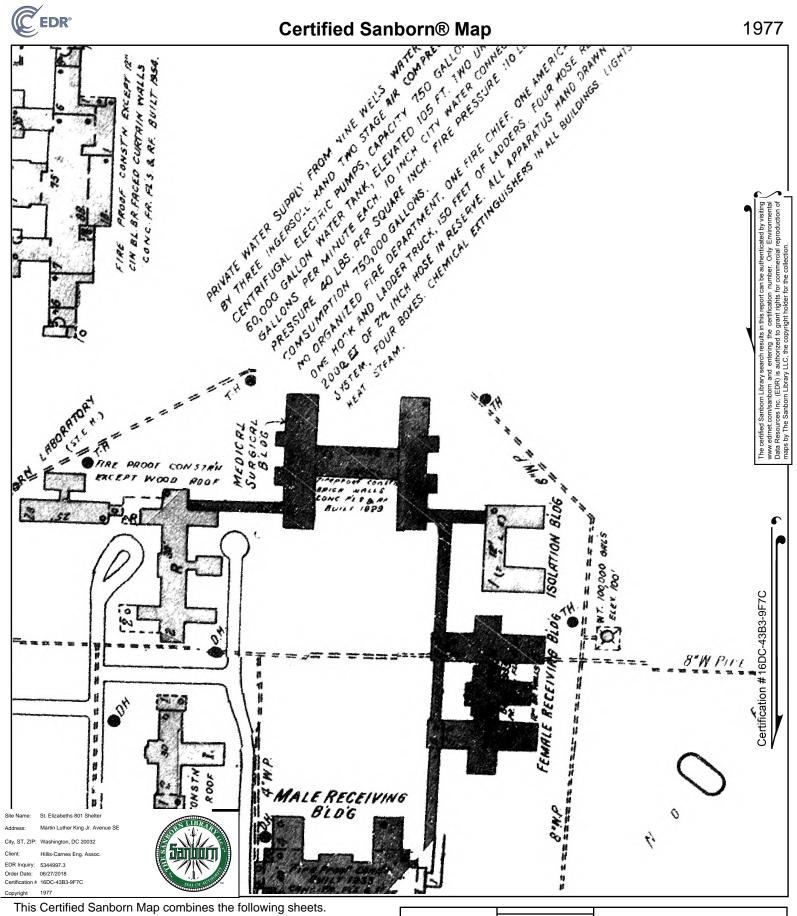


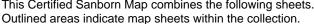




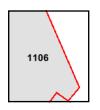


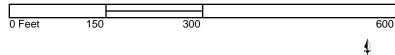






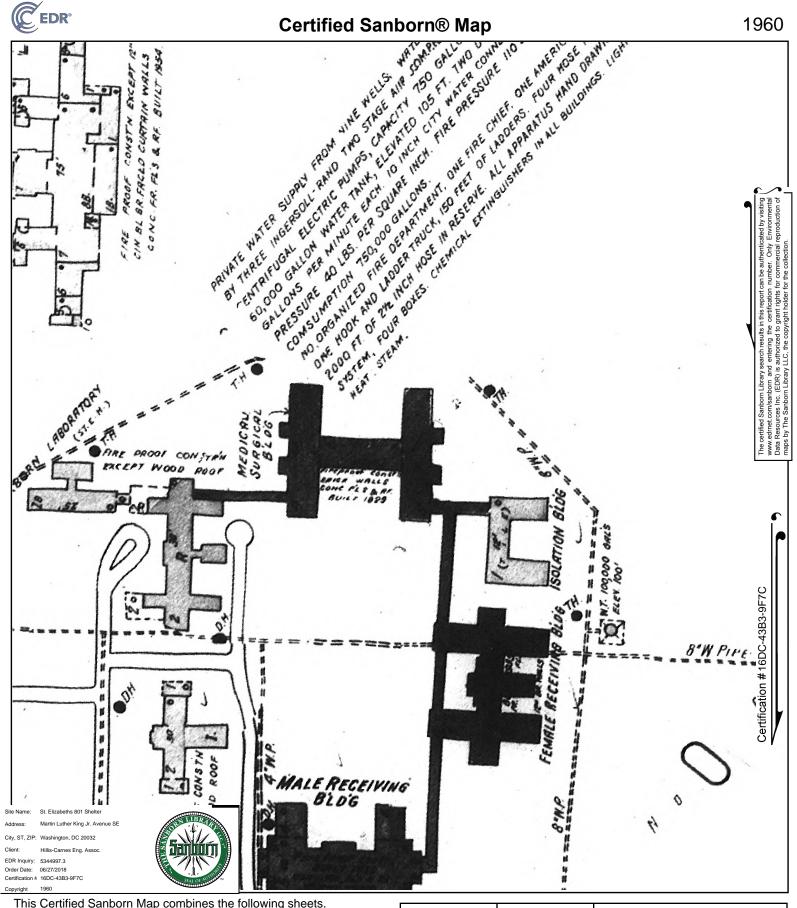






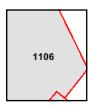


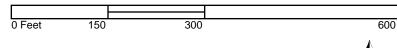


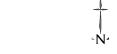


This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.

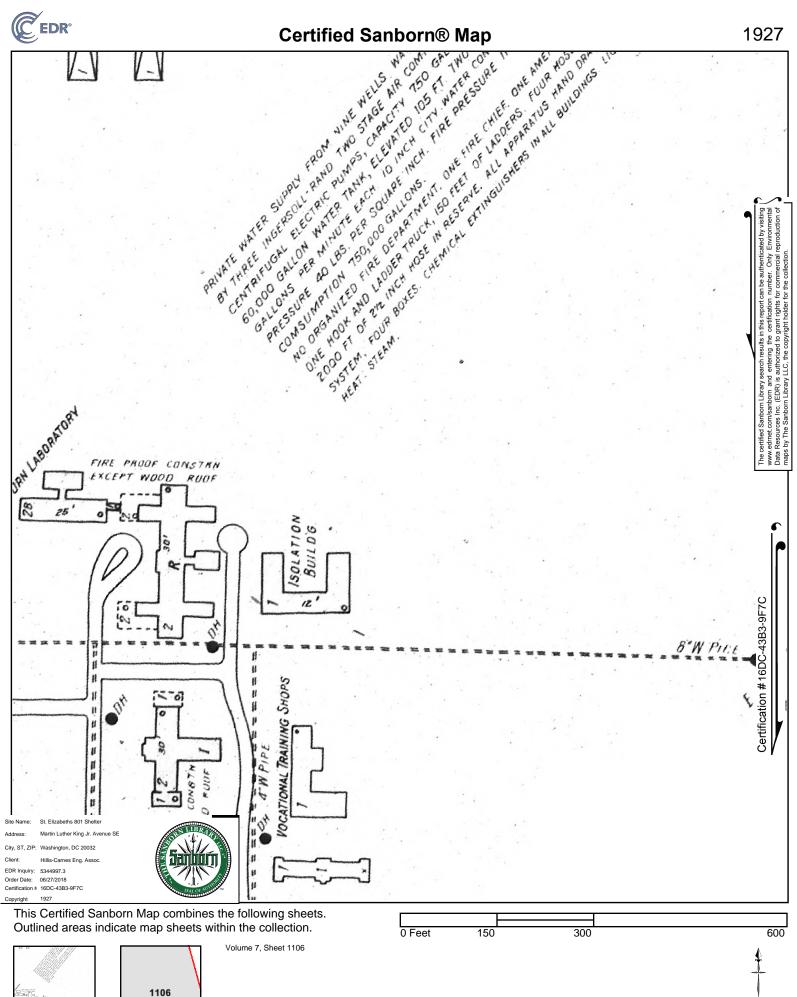












5344997 - 3 page 14

St. Elizabeths 801 Shelter

Martin Luther King Jr. Avenue SE Washington, DC 20032

Inquiry Number: 5344997.5

June 26, 2018

The EDR-City Directory Abstract



TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING. WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 332 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.



RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	Text Abstract	Source Image
2014	EDR Digital Archive	-	-	-	-
2010	EDR Digital Archive	-	-	-	-
2006	Haines Company, Inc.	-	-	-	-
2000	Haines Company	-	-	-	-
1993	The Chesapeake and Potomac Telephone Company of Virginia	-	-	-	-
1983	The Chesapeake Potomac Telephone Co	-	-	-	-
1978	C&P Telephone	-	-	-	-
1973	The Chesapeake Potomac Telephone Co	-	-	-	-
1969	C&P Telephone	-	-	-	-
1964	R. L. Polk Co.	-	-	-	-
1960	R. L. Polk & Co.	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	Source	<u>TP</u>	<u>Adjoining</u>	Text Abstract	Source Image
1954	R. L. Polk Co.	-	-	-	-
1948	R. L. Polk Co.	-	-	-	-
1943	R. L. Polk & Co.	-	-	-	-
1940	R. L. Polk Co.	-	-	-	-
1936	R. L. Polk & Co.	-	-	-	-
1931	R. L. Polk & Co.	-	-	-	-
1926	R. L. Polk & Co.	-	-	-	-
1922	R. L. Polk & Co.	_	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Martin Luther King Jr. Avenue SE Washington, DC 20032

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Addresses Found

5344997-5 Page 4

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

Address Not Identified in Research Source

Martin Luther King Jr. Avenue SE

2014, 2010, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

St. Elizabeths 801 Shelter Martin Luther King Jr. Avenue SE Washington, DC 20032

Inquiry Number: 5344997.4

June 26, 2018

EDR Historical Topo Map Report

with QuadMatch™



06/26/18

Site Name: Client Name:

St. Elizabeths 801 Shelter Martin Luther King Jr. Avenue (Washington, DC 20032

EDR Inquiry # 5344997.4

Hillis-Carnes Eng. Assoc.
10975 Guilford Road

Annapolis Junction, MD 20701

Contact: Sean Harkins



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Hillis-Carnes Eng. Assoc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results	s:	Coordinates:	
P.O.#	NA	Latitude:	38.852375 38° 51' 9" North
Project:	18344B	Longitude:	-76.993167 -76° 59' 35" West
- ,		UTM Zone:	Zone 18 North
		UTM X Meters:	327042.60
		UTM Y Meters:	4302282.30
		Elevation:	98.64' above sea level
Maps Provided	i :		
2012 2014	1051	1004	
2013, 2014	1951	1894	
1994	1945	1891	
1980, 1983	1938	1890	
1979	1937	1885	
1972	1934		
1971	1906		
1965	1900		
1956	1897, 1899		

Disclaimer - Copyright and Trademark Notice

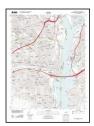
This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013, 2014 Source Sheets



Alexandria 2013 7.5-minute, 24000



Washington East 2014 7.5-minute, 24000



Anacostia 2014 7.5-minute, 24000



Washington West 2014 7.5-minute, 24000

1994 Source Sheets



ALEXANDRIA 1994 7.5-minute, 24000

1980, 1983 Source Sheets



Washington West 1980 7.5-minute, 24000 Aerial Photo Revised 1977



Washington West 1983 7.5-minute, 24000 Aerial Photo Revised 1981



Alexandria 1983 7.5-minute, 24000 Aerial Photo Revised 1981



Anacostia 1979 7.5-minute, 24000 Aerial Photo Revised 1977



Washington East 1979 7.5-minute, 24000 Aerial Photo Revised 1977



Alexandria 1979 7.5-minute, 24000 Aerial Photo Revised 1978

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1972 Source Sheets



Alexandria 1972 7.5-minute, 24000 Aerial Photo Revised 1971

1971 Source Sheets



Anacostia 1971 7.5-minute, 24000 Aerial Photo Revised 1971



Washington West 1971 7.5-minute, 24000 Aerial Photo Revised 1971



Alexandria 1971 7.5-minute, 24000 Aerial Photo Revised 1971



Washington East 1971 7.5-minute, 24000 Aerial Photo Revised 1971

1965 Source Sheets



Anacostia 1965 7.5-minute, 24000 Aerial Photo Revised 1955



Washington West 1965 7.5-minute, 24000 Aerial Photo Revised 1955



Alexandria 1965 7.5-minute, 24000 Aerial Photo Revised 1955



Washington East 1965 7.5-minute, 24000 Aerial Photo Revised 1955



Anacostia 1956 7.5-minute, 24000 Aerial Photo Revised 1955



Washington West 1956 7.5-minute, 24000 Aerial Photo Revised 1955



Alexandria 1956 7.5-minute, 24000 Aerial Photo Revised 1955

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1951 Source Sheets



Anacostia 1951 7.5-minute, 24000 Aerial Photo Revised 1949



Washington East 1951 7.5-minute, 24000 Aerial Photo Revised 1949



Washington West 1951 7.5-minute, 24000 Aerial Photo Revised 1949



Alexandria 1951 7.5-minute, 24000 Aerial Photo Revised 1949

1945 Source Sheets



Anacostia 1945 7.5-minute, 31680



Washington East 1945 7.5-minute, 31680



Washington West 1945 7.5-minute, 31680



Alexandria 1945 7.5-minute, 31680

1938 Source Sheets



Upper Marlboro 1938 15-minute, 62500



Upper Marlboro 1937 15-minute, 62500

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1934 Source Sheets



Upper Marlboro (east half) 1934 15-minute, 48000

1906 Source Sheets



Patuxent 1906 30-minute, 125000

1900 Source Sheets



Washington 1900 15-minute, 62500

1897, 1899 Source Sheets



Mt. Vernon 1897 30-minute, 125000



Patuxent 1899 30-minute, 125000

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1894 Source Sheets



Mt. Vernon 1894 30-minute, 125000

1891 Source Sheets



Mt. Vernon 1891 30-minute, 125000

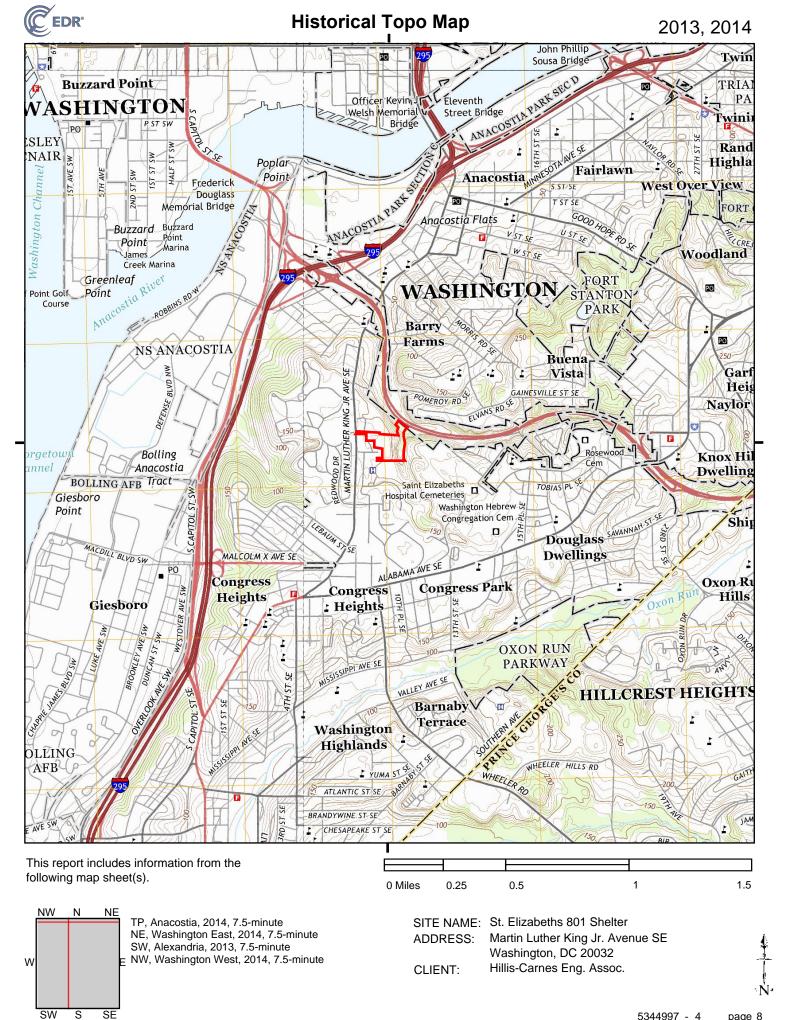
1890 Source Sheets



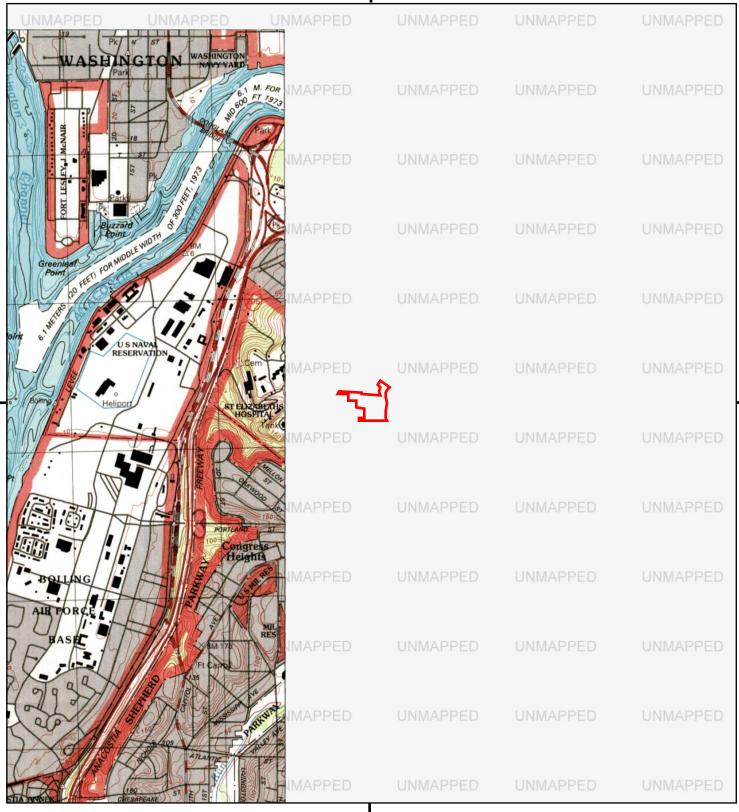
Mt. Vernon 1890 30-minute, 125000



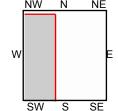
WEST WASHINGTON 1885 15-minute, 62500







This report includes information from the following map sheet(s).



SW, ALEXANDRIA, 1994, 7.5-minute

0 Miles 0.25 0.5 1 1.5

SITE NAME: St. Elizabeths 801 Shelter

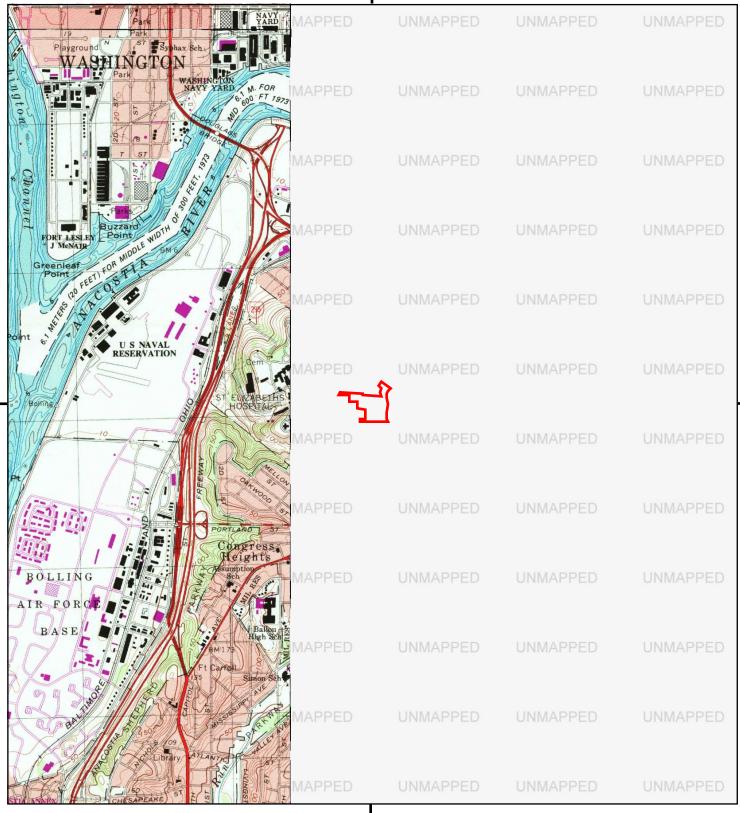
ADDRESS: Martin Luther King Jr. Avenue SE

Washington, DC 20032

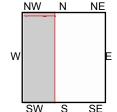
CLIENT: Hillis-Carnes Eng. Assoc.







This report includes information from the following map sheet(s).



SW, Alexandria, 1983, 7.5-minute NW, Washington West, 1980, 7.5-minute NW, Washington West, 1983, 7.5-minute 0 Miles 0.25 0.5 1 1.5

SITE NAME: St. Elizabeths 801 Shelter

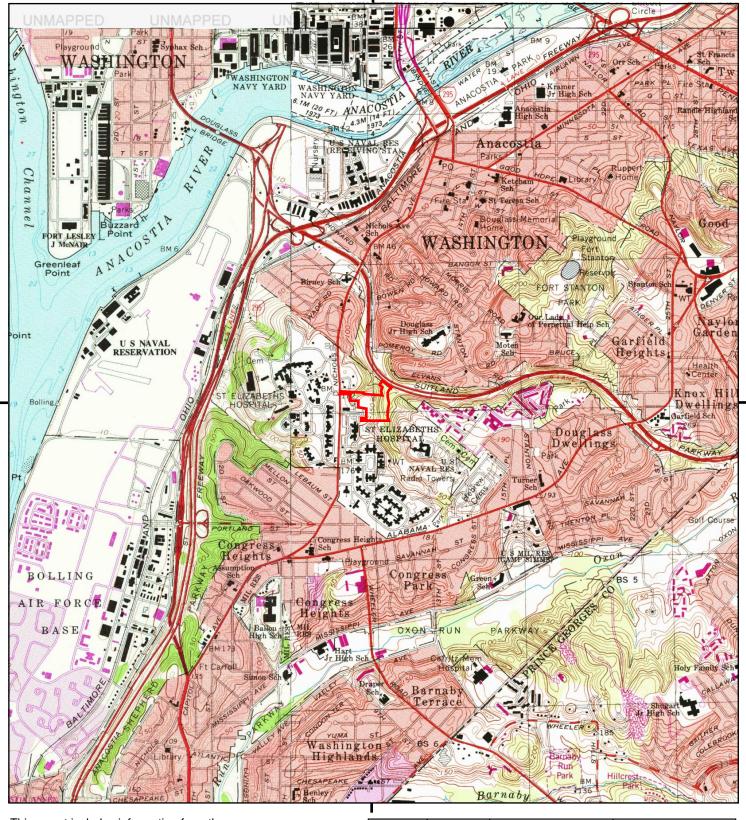
ADDRESS: Martin Luther King Jr. Avenue SE

Washington, DC 20032

CLIENT: Hillis-Carnes Eng. Assoc.



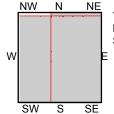




0 Miles

0.25

This report includes information from the following map sheet(s).



TP, Anacostia, 1979, 7.5-minute NE, Washington East, 1979, 7.5-minute SW, Alexandria, 1979, 7.5-minute SITE NAME: St. Elizabeths 801 Shelter ADDRESS: Martin Luther King Jr. Avenue SE

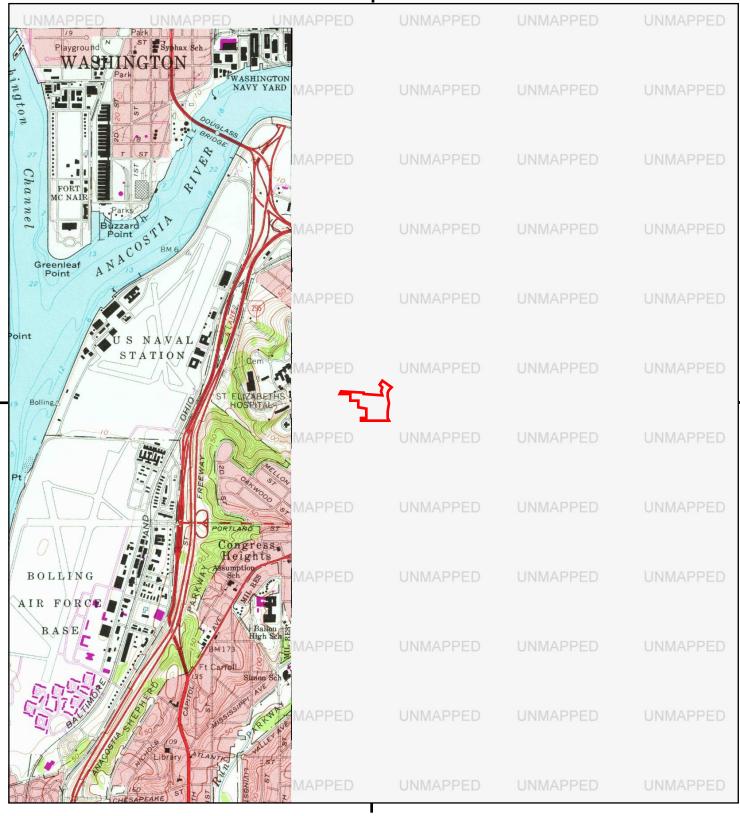
0.5

Washington, DC 20032

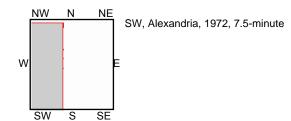
CLIENT: Hillis-Carnes Eng. Assoc.

1.5





This report includes information from the following map sheet(s).





SITE NAME: St. Elizabeths 801 Shelter

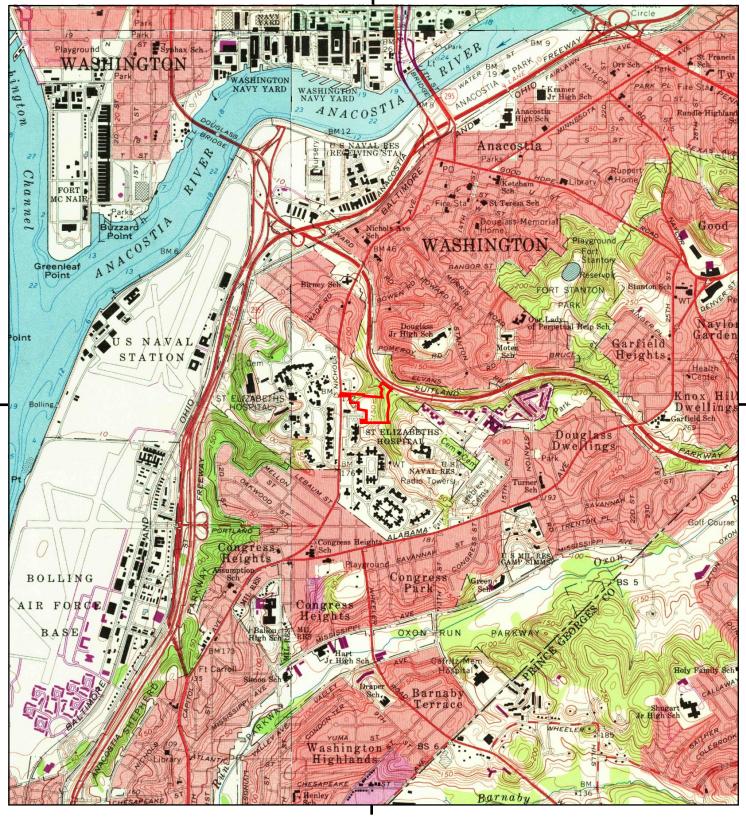
ADDRESS: Martin Luther King Jr. Avenue SE

Washington, DC 20032

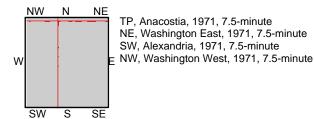
CLIENT: Hillis-Carnes Eng. Assoc.







This report includes information from the following map sheet(s).



0 Miles 0.25 0.5 1 1.5

SITE NAME: St. Elizabeths 801 Shelter
ADDRESS: Martin Luther King Jr. Avenue SE

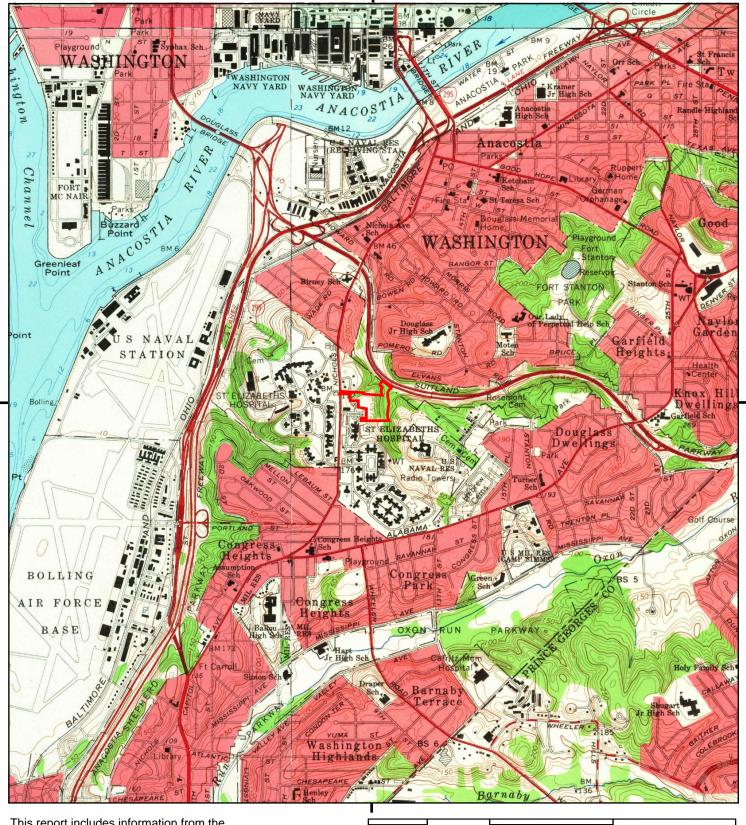
Washington, DC 20032

CLIENT: Hillis-Carnes Eng. Assoc.

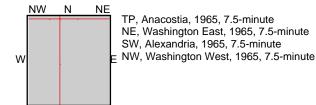


page 13





This report includes information from the following map sheet(s).



SW

S

SE

SITE NAME: St. Elizabeths 801 Shelter
ADDRESS: Martin Luther King Jr. Avenue SE

0.25

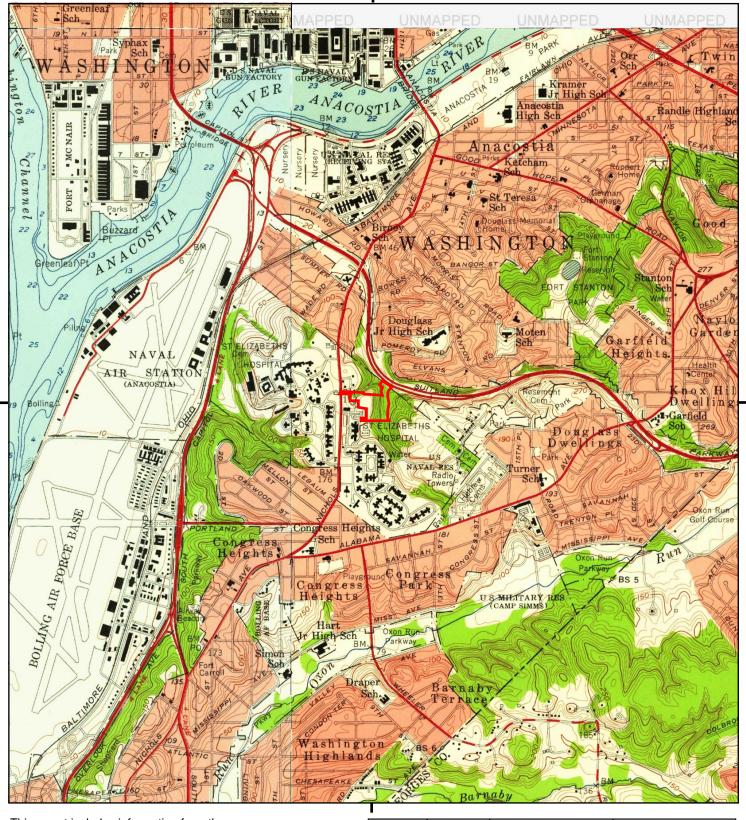
Washington, DC 20032

CLIENT: Hillis-Carnes Eng. Assoc.

0.5

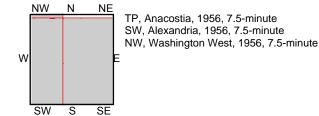






0.25

This report includes information from the following map sheet(s).



SITE NAME: St. Elizabeths 801 Shelter ADDRESS: Martin Luther King Jr. Ave

0.5

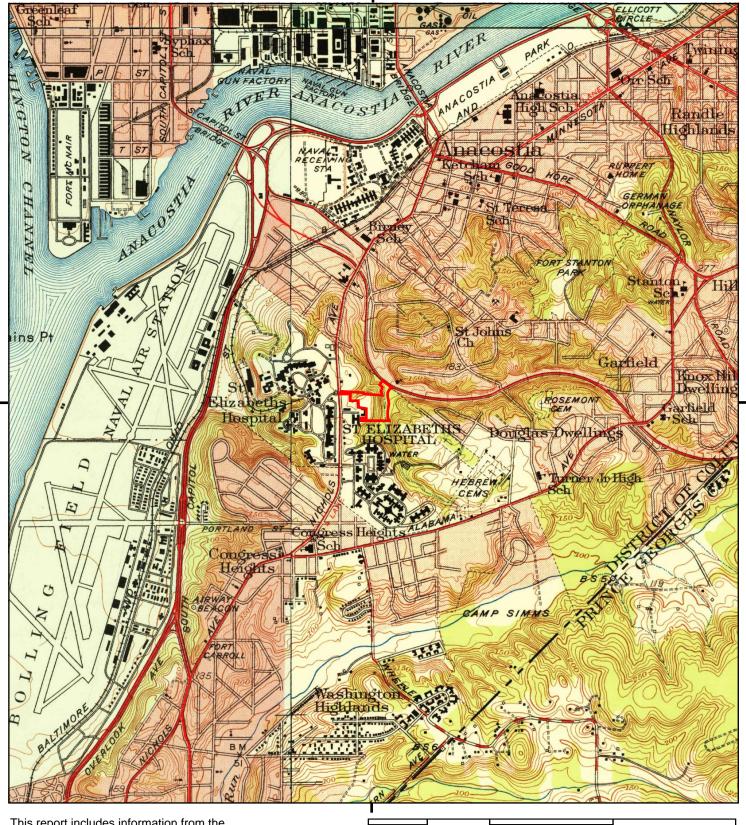
Martin Luther King Jr. Avenue SE Washington, DC 20032

CLIENT: Hillis-Carnes Eng. Assoc.



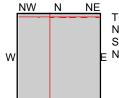
1





0.25

This report includes information from the following map sheet(s).



S

SE

SW

TP, Anacostia, 1951, 7.5-minute NE, Washington East, 1951, 7.5-minute SW, Alexandria, 1951, 7.5-minute NW, Washington West, 1951, 7.5-minute

SITE NAME: St. Elizabeths 801 Shelter

0.5

Martin Luther King Jr. Avenue SE ADDRESS:

Washington, DC 20032

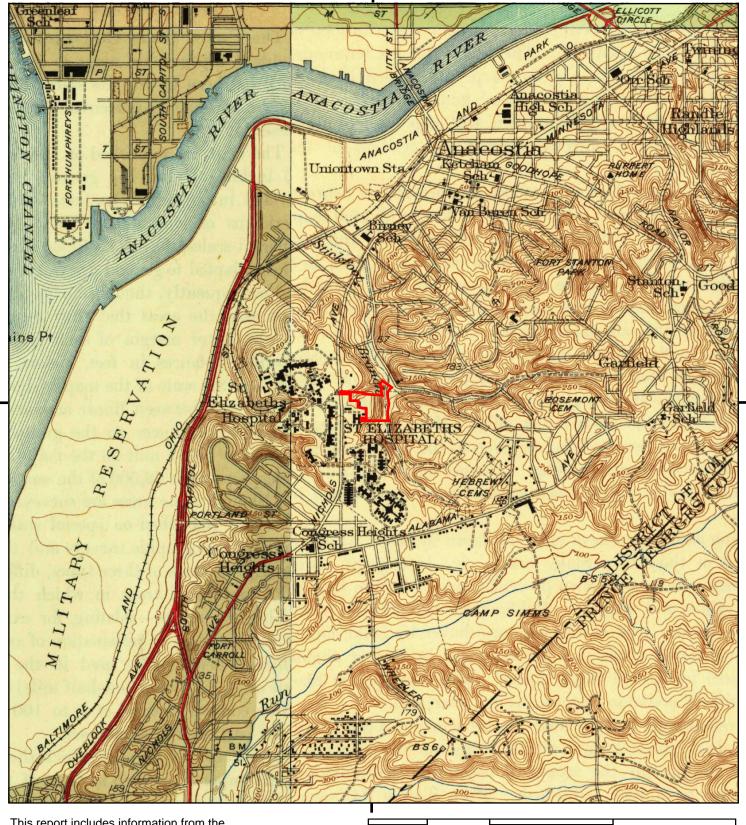
Hillis-Carnes Eng. Assoc. CLIENT:



1.5

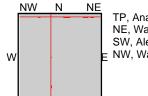
1





0.25

This report includes information from the following map sheet(s).



SE

S

SW

TP, Anacostia, 1945, 7.5-minute NE, Washington East, 1945, 7.5-minute SW, Alexandria, 1945, 7.5-minute NW, Washington West, 1945, 7.5-minute SITE NAME: St. Elizabeths 801 Shelter

0.5

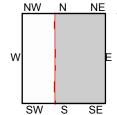
Martin Luther King Jr. Avenue SE ADDRESS:

Washington, DC 20032

Hillis-Carnes Eng. Assoc. CLIENT:

1

This report includes information from the following map sheet(s).



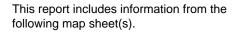
TP, Upper Marlboro, 1938, 15-minute

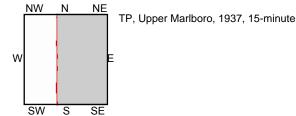


SITE NAME: St. Elizabeths 801 Shelter

ADDRESS: Martin Luther King Jr. Avenue SE Washington, DC 20032







0.25

SITE NAME: St. Elizabeths 801 Shelter

0.5

Martin Luther King Jr. Avenue SE ADDRESS:

Washington, DC 20032

Hillis-Carnes Eng. Assoc. CLIENT:



W

SW

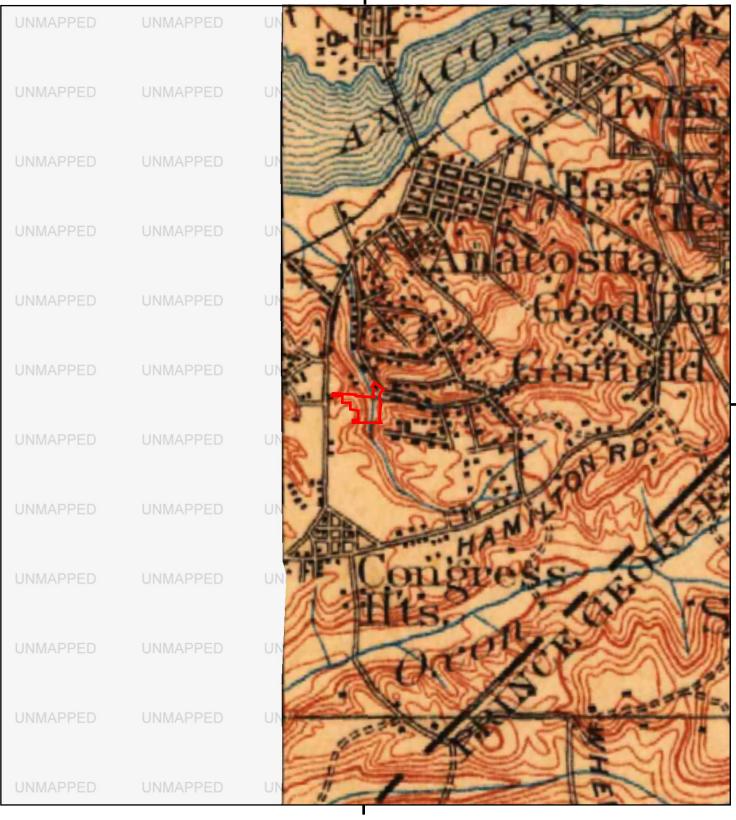
SE

Hillis-Carnes Eng. Assoc.

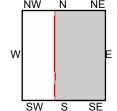
CLIENT:



Historical Topo Map



This report includes information from the following map sheet(s).



TP, Patuxent, 1906, 30-minute



SITE NAME: St. Elizabeths 801 Shelter

ADDRESS: Martin Luther King Jr. Avenue SE

Washington, DC 20032

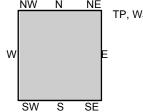






0.25

This report includes information from the following map sheet(s).



TP, Washington, 1900, 15-minute

SITE NAME: St. Elizabeths 801 Shelter

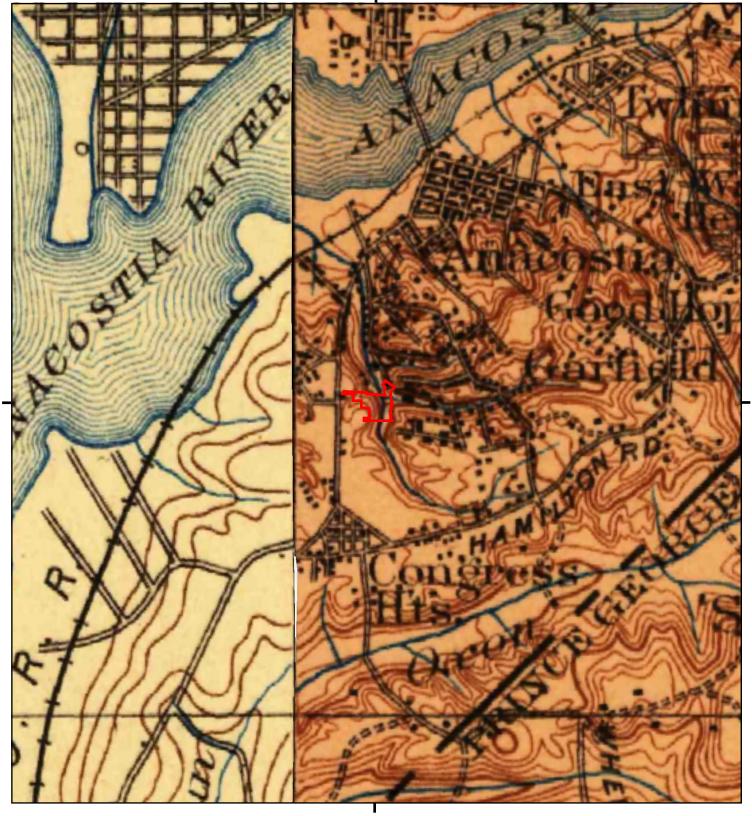
0.5

ADDRESS: Martin Luther King Jr. Avenue SE

Washington, DC 20032 CLIENT: Hillis-Carnes Eng. Assoc.

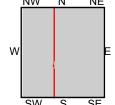






0.25

This report includes information from the following map sheet(s).



TP, Patuxent, 1899, 30-minute SW, Mt. Vernon, 1897, 30-minute

SITE NAME: St. Elizabeths 801 Shelter

0.5

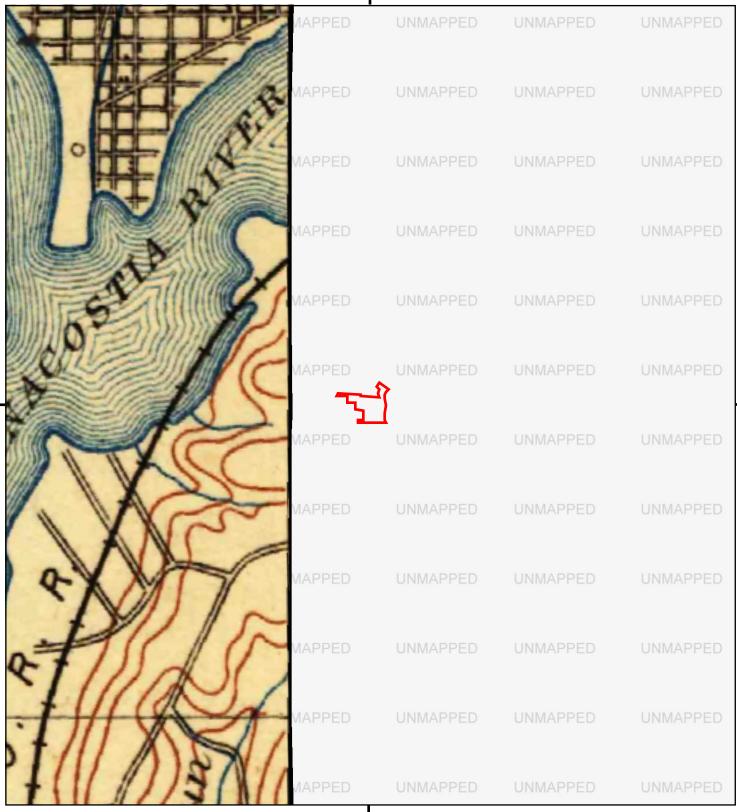
ADDRESS: Martin Luther King Jr. Avenue SE

Washington, DC 20032

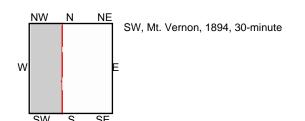
CLIENT: Hillis-Carnes Eng. Assoc.

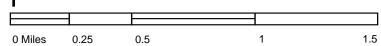






This report includes information from the following map sheet(s).





SITE NAME: St. Elizabeths 801 Shelter

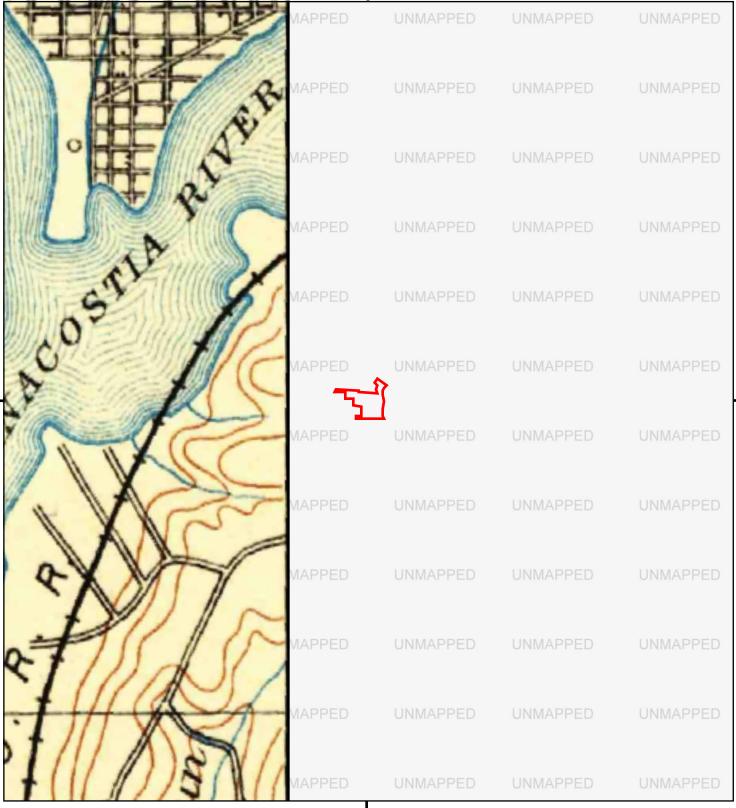
Martin Luther King Jr. Avenue SE ADDRESS:

Washington, DC 20032

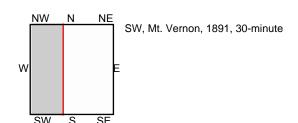
Hillis-Carnes Eng. Assoc. CLIENT:

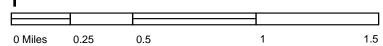






This report includes information from the following map sheet(s).





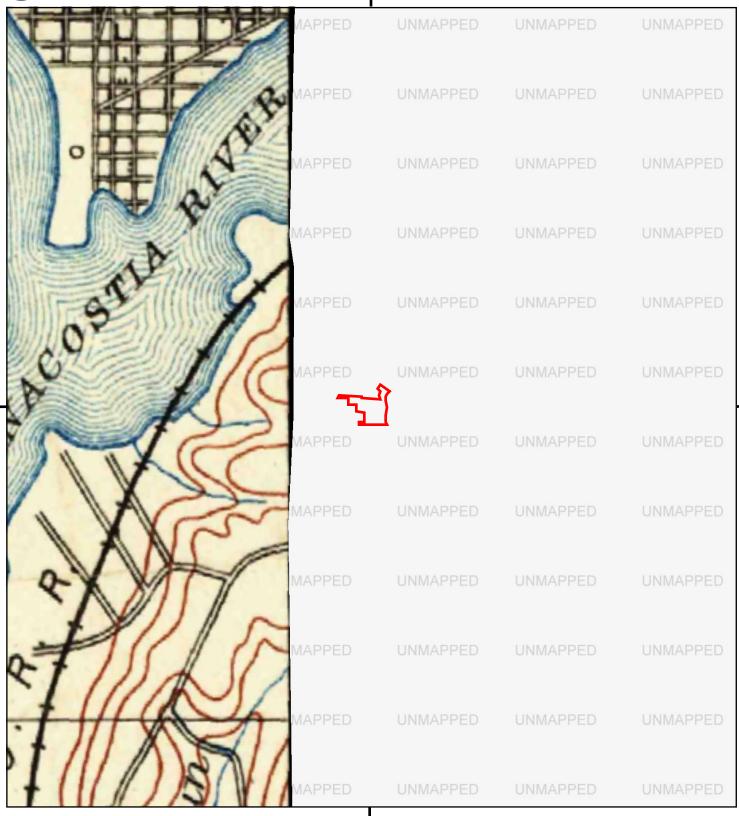
SITE NAME: St. Elizabeths 801 Shelter

ADDRESS: Martin Luther King Jr. Avenue SE

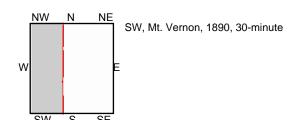
Washington, DC 20032

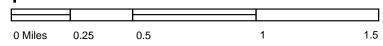






This report includes information from the following map sheet(s).





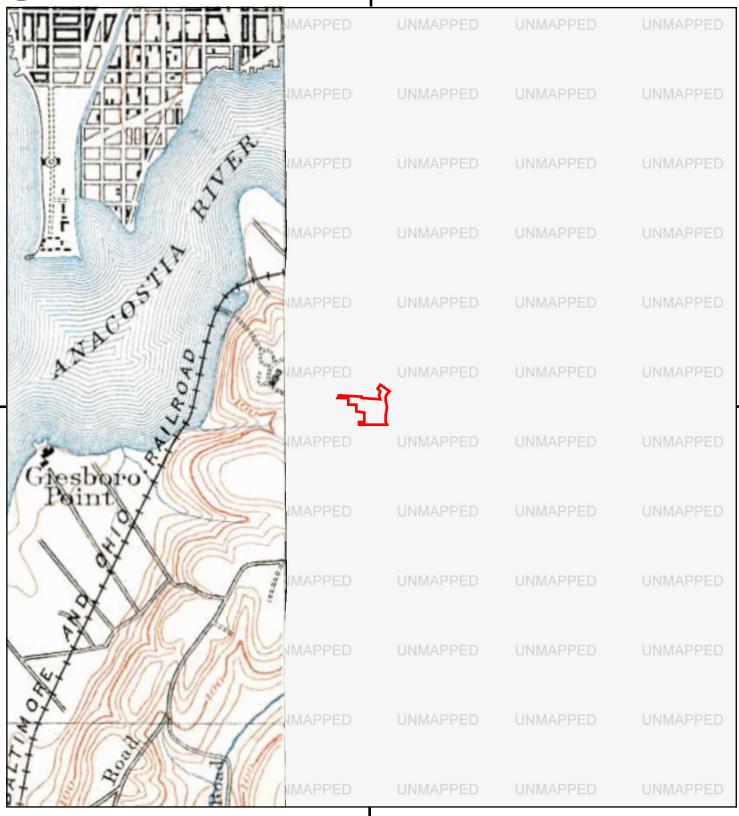
SITE NAME: St. Elizabeths 801 Shelter

ADDRESS: Martin Luther King Jr. Avenue SE

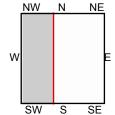
Washington, DC 20032







This report includes information from the following map sheet(s).



W, WEST WASHINGTON, 1885, 15-minute

0 Miles 0.25 0.5 1 1.5

SITE NAME: St. Elizabeths 801 Shelter

ADDRESS: Martin Luther King Jr. Avenue SE

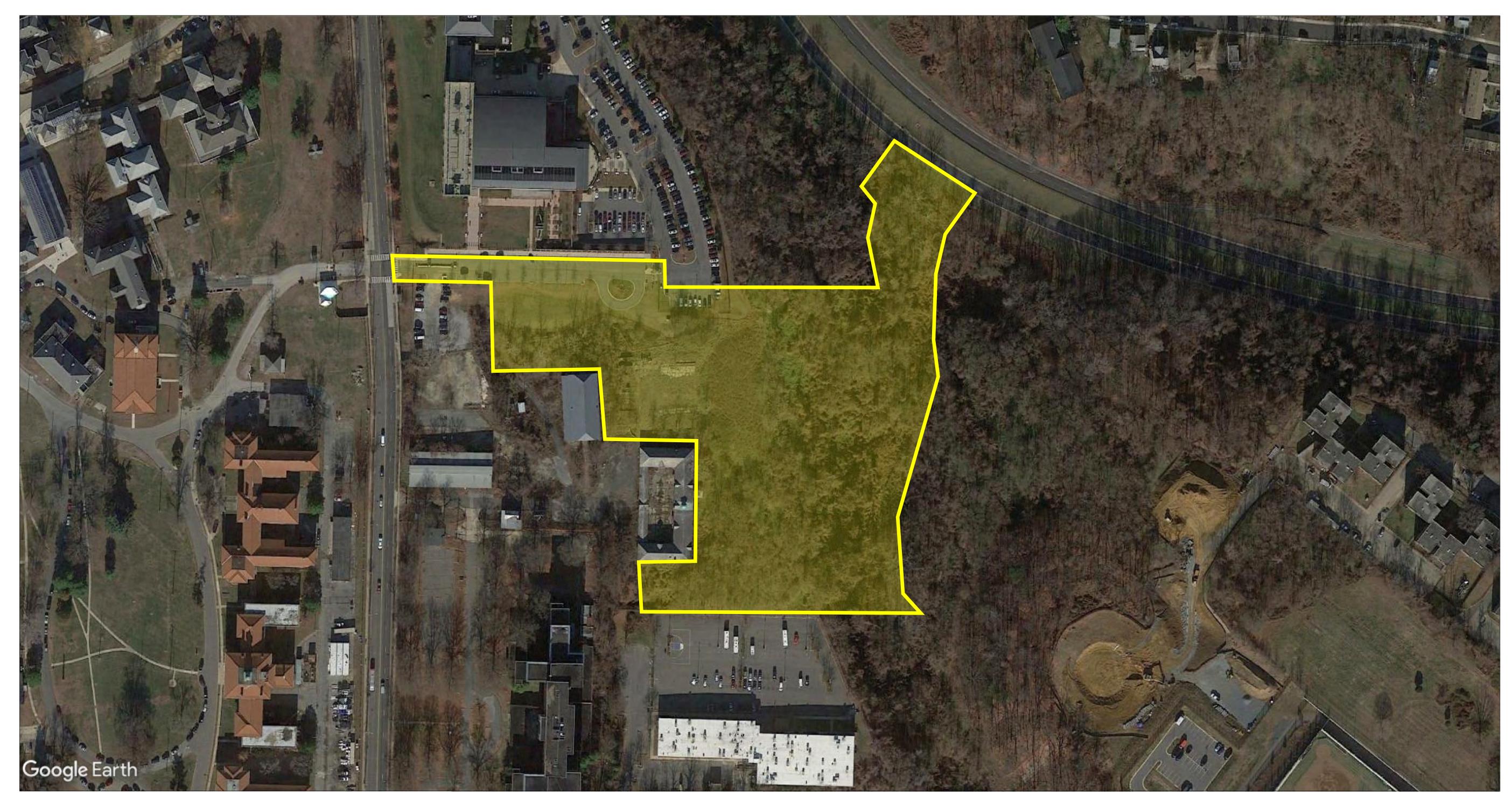
Washington, DC 20032





St Elizabeth's Topo Survey Limit Proposed Men's Shelter

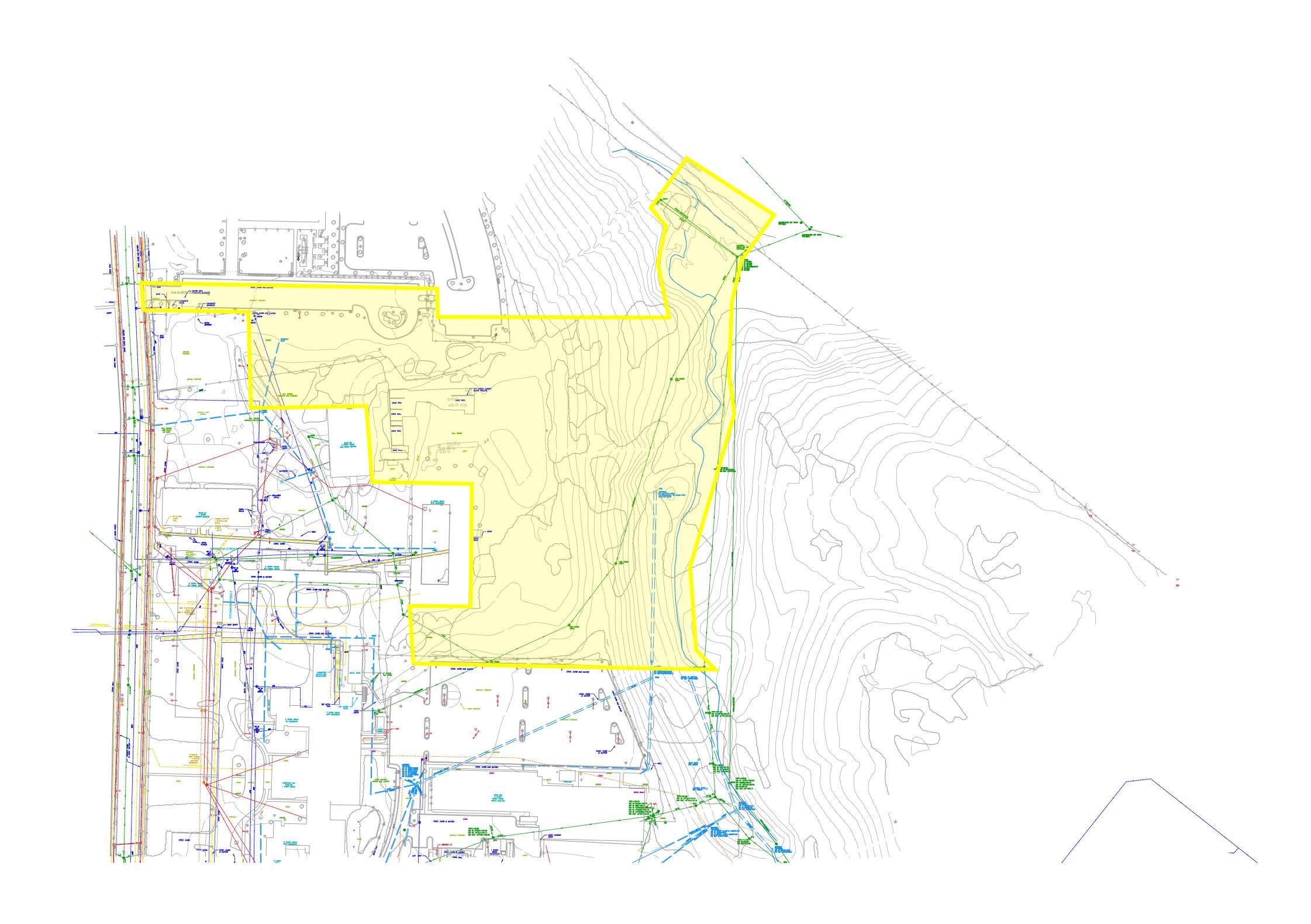
Date: 04-30-2018 Area=10.23 Acres





St Elizabeth's Topo Survey Limit Proposed Men's Shelter

Date: 04-30-2018 Area=10.23 Acres



Haley & Aldrich, Inc. 7926 Jones Branch Dr. Suite 870 McLean, VA 22102

Tel: 703.336.6200 Fax: 703.356.4699 HaleyAldrich.com



Revised 10 October 2012 31 August 2012 File No. 38677-001

CH2M Hill 15010 Conference Center Drive Suite 200 Chantilly, Virginia 20151

Attention:

Keisha Voigt

Subject:

Environmental Site Assessment Update

St. Elizabeths East Campus - North Parcel and FEMA Tracts

Martin Luther King Jr. (MLK) Avenue SE

Washington, D.C.

Dear Ms. Voigt:

Haley & Aldrich, Inc. (Haley & Aldrich) is pleased to submit this Environmental Site Assessment (ESA) update in connection with the above-referenced property. Haley & Aldrich completed this ESA in general accordance with the ASTM Phase I Standard; however, there were no tenant interviews conducted due to the age and vacancy of the buildings, and we relied on the database report for the regulatory review (i.e., we did not contact local agencies). To complete this ESA, Haley & Aldrich reviewed readily available historical information for the subject site, ordered and reviewed an environmental database report for the subject site containing federal, state, and local records, and conducted a site visit. This work was conducted in accordance with our proposal dated 30 May 2012. The following summarizes the results of our work.

SITE IDENTIFICATION

The subject site includes the North Parcel and FEMA tracts of the St. Elizabeths East Campus in Southeast Washington, District of Columbia (DC) as shown on Figure 1, Project Locus. There are eight buildings on site referred to as Buildings 79, 81, 81A, 82, 83, 86, 87 and 120. The buildings are currently vacant except for Building 81A which is being used as the 801 East Housing Assistance Center. The subject site is bounded as follows:

North: Homeland Security and Emergency Management Agency (2720 MLK Avenue SE)

East: Wooded land and underground Metrorail Line

South: Pecan Street SE beyond which is St. Elizabeths East Campus

(1100 Alabama Avenue SE)

West: MLK Avenue SE beyond which is the St. Elizabeths West Campus

Figure 2 provides a Site Plan.

SITE HISTORY

Sanborn Fire Insurance Maps dated 1927, 1960, 1977, 1985, 1989, 1990, 1992, 1995, and 1998-99 and aerial photographs dated 1949, 1957, 1960, 1963, 1970, 1977, 1980, 1988, 1994, 1998, 2000, 2005, and 2007 were reviewed to assess site history, as well as the previously prepared reports "Phase I Environmental Site Assessment Report Proposed Saint Elizabeths East Campus Roadway Improvements," by Tidewater, Inc., dated 1 March 2012 and "Final Department of Homeland Security Headquarter Consolidation at St. Elizabeths Master Plan Amendment – East Campus North Parcel Environmental Impact Statement," prepared by U.S. General Services Administration National Capital Region, dated March 2012.

The St. Elizabeths East Campus was once a colonial tobacco plantation and then a 19th century farm stand. The St. Elizabeths East Campus was part of the 150-acre Shepherd Farm, which St. Elizabeths purchased in November 1869. The farm buildings appeared on hospital plans as early as 1873. Besides residential and farm buildings, construction on the St. Elizabeths East Campus began in the late 1800s and continued into the 1990s. Below is available building specific historical information.

Building 79: Building 79 was reportedly constructed in the late 1800s and used as a residence.

Building 81: Building 81 was used as a motor pool vehicle maintenance garage and reportedly constructed in 1921.

Building 81A: This area was depicted on the 1963 aerial photograph as cleared land with possible earthwork activities. Previous reports indicate that this area accepted fly ash from the Benning Road Incinerator. Building 81A first appears on the 1994 aerial photo.

Building 82: Building 82 was constructed in 1884 and used as a dry barn and horse barn.

Building 83: Building 83 was constructed in 1901 and used as a barn.

Building 86: Building 86 was constructed in 1895 and used as a residence.

Building 87: Building 87 was constructed in the early 1900s and used as a residence.

Building 120: Building 120 first appeared on the 1957 aerial photo and 1977 Sanborn Map and was used as a receiving building. A building of unknown use was formerly located in this area on the 1927 Sanborn Maps and 1949 aerial photo.



Sanborn Maps indicate that MLK Avenue SE was formerly referred to as Nichols Avenue SE. The Sanborn Maps also indicate that the St. Elizabeths Campus utilized nine private water wells to supply potable water to the buildings.

The eastern portion of the North Parcel was used as a landfill from 1982 to 1989 by the DC government. Subsurface investigations were reported in 1991 and 2008 as summarized in the report, "Final Department of Homeland Security Headquarter Consolidation at St. Elizabeths Master Plan Amendment – East Campus North Parcel Environmental Impact Statement," prepared by U.S. General Services Administration National Capital Region, dated March 2012.

- 1991 field investigation report (refer to Figure 2 1991 Ash/Fill Area): Fill material within the landfill was composed of storm sewer cleanings, street sweepings, road construction debris, and incinerator fly ash. The landfill was comprised of four portions which were closed in 1983, 1987, 1988, and 1989. Closure consisted of a cap of 18 to 30 inches of a mixture of milled asphalt, soils, and compost from a sewage treatment plant. Sampling of fill, fill leachate, and pond sediment in the area of the landfill was conducted in 1984 and 1985. Chlorinated dioxins and furans were detected in ash fill and PCB-1260 was detected in pond sediments.
- 2008 geotechnical report (refer to Figure 2 2008 Fly Ash Zone): This report identified ash fill. A composite soil sample was collected and analyzed for metals and semi-volatile organic compounds to characterize ash for disposal. Results were reportedly below RCRA limits and the ash was not considered a RCRA hazardous waste for metals or SVOCs.

DATABASE RECORDS REVIEW

The subject site was not listed on the databases searched. However, "St. Elizabeths Hospital" located at 2700 Martin Luther King Avenue was listed on the:

- CERCLIS database as a low priority site with a removal assessment conducted in 2005.
- RCRA database as a non-generator and formerly a large quantity generator (LQG). Manifests were summarized on the database for the off-site shipment of hazardous materials. Violations were reported while this site was a LQG. However, no releases were reported.
- Leaking Underground Storage Tank (LUST) database with a facility status of "closed". The "Final Department of Homeland Security Headquarter Consolidation at St. Elizabeths Master Plan Amendment East Campus North Parcel Environmental Impact Statement," prepared by U.S. General Services Administration National Capital Region, dated March 2012, summarized information on file with the DC District of the Environment (DDOE). DDOE LUST case number 88008 was opened on 27 April 1988 when six USTs (some apparently leaking) were discovered at various locations throughout the St. Elizabeths Campus on the North Parcel as described below.



1	
1	1
r	

Building	UST Description	UST Status	
81	500-gallon waste oil UST	Removed around 1999. No documentation.	
81	3,000-gallon diesel UST	Abandoned in place.	
81	10,000-gallon gasoline UST	Removed around 1999. No documentation.	
81	abandoned 2,000-gallon UST	Removed 22 March 1989 and replaced with a	
	with unknown contents	10,000-gallon diesel UST with no leaking	
		product or oil contamination observed.	
81	10,000-gallon diesel UST	Removed around 1999. No documentation.	
120	5,000-gallon diesel UST	Removed 15 March 1989 with no apparent	0
		leakage or soil contamination.	-1

No documentation was available regarding UST closure activities or confirmatory sampling data presumably collected during tank excavations.

SITE RECONNAISSANCE

An inspection to observe site conditions at Buildings 79, 81, 82, 83, 86, 37, and 120 was conducted by Kristen Wright-Ng and Ian Smith of Haley & Aldrich on 27 August 2012. Access to the subject site was provided by Robert Saunders of the Facilities Department at the District Department of General Services. Dense vegetation around the buildings limited access to undeveloped portions of the site.

- Building 79: Building 79 is a vacant two-story residential structure with a crawl space. Building 79 appeared to be heated via cast iron steam radiators. Building 79 was vacant with no observed chemical or petroleum storage. Evidence of current and former aboveground storage tanks (ASTs) or USTs was not observed.
- Building 81: Building 81 is referred to as the "motor pool" and appeared to have been used as a vehicle maintenance garage. This building is one-story with an approximately five-foot-high basement, possibly with a dirt floor, accessed from the eastern side hill. On the main level, there was open garage space as well as offices and storage rooms around the perimeter. Floor drains and staining were observed. Building 81 appeared to be heated via cast iron steam radiators. A former weigh station is located southeast of Building 81 and it is unclear if nearby manhole covers are associated with utilities or an UST.

The following chemicals and petroleum products were observed at Building 81:

Two hydraulic vehicle maintenance lifts were observed on the eastern side of the building. The mechanical systems associated with the lifts were observed in the basement on a concrete pad. Additionally, there appeared to be an oilstained cubic tank potentially used for the hydraulic system.



- A former battery storage area was observed although the area was vacant. White staining was observed on the floor in this area.
- Less than 5 gallons of oil was observed in a metal container on the floor of the "used oil tank" room with staining on the concrete floor. The "used oil tank" room was otherwise vacant and it is unclear if ASTs or USTs had been present as no evidence of such was observed.
- Approximately 17 drums, some labeled as containing used antifreeze and motor oil and others unlabeled, were stored on the southeast corner of the building directly on the ground surface. Drums were bulging and rusted.

Building 82 is referred to as the "horse barn". This building is three levels with the upper two levels vacant and the lowest level being used for storage of construction/building materials. The concrete floor of the lowest level slopes towards a floor drain. A metal shed is located to the northwest of Building 82, is used for electrical equipment, and was not accessible during the site visit.

The following chemicals and petroleum products were observed at Building 82:

- Two pallets of concrete and 5-gallon buckets of concrete products "QC Release Powder".
- Less than 5-gallon containers of acetic acid, cement prep chemical, water treatment chemicals, and ethylene glycol.

Building 83: Building 83 appeared to be a barn and veterinary office. This vacant building has two above ground levels and a basement level. The second story and basement level were not accessible due to concerns about structural integrity.

The following chemicals and petroleum products were observed at Building 83:

- Approximately 13 drums, some labeled as containing used antifreeze, motor oil, diesel fuel conditioner, and cooling tower water treatment chemicals, and others unlabeled, were stored on the west side of the building directly on the ground surface. Drums were bulging and rusted. Batteries and fire extinguishers were also observed in this area.
- A former battery storage area was observed although the area was vacant.
- A former flammables cabinet was observed in a former pesticide storage area although this area was vacant.
- Possible utility access ports or UST fill ports were observed in the courtyard.



- Building 86: Building 86 is a vacant two-story residential structure with a crawl space. Building 86 appeared to be heated via cast iron steam radiators. Building 86 was vacant with no observed chemical or petroleum storage. Evidence of current and former ASTs or USTs was not observed.
- Building 87 is a vacant one-story residential structure that was inaccessible at the time of the site visit. Evidence of current and former ASTs or USTs was not observed.
- Building 120: Building 120 is a vacant nine- or ten-story building in a state of significant disrepair. The facade of the building reportedly fell off during the August 2011 earthquake. Floors higher than the 6th floor were not accessed during the site visit due to concerns about structural integrity and suspect mold. The building has no electricity although the telephone room is still operational and used by Building 81A. Blackout conditions made areas of the basement difficult to view. It appeared that the majority of the building's former mechanical spaces were located in the basement. The building's heating and cooling systems were not observed. There appeared to be five elevators although it is unknown if they are hydraulic or electric. A one-story mechanical or electrical building was located on the eastern side of the building and was not accessible during the site visit.

The following chemicals and petroleum products were observed at Building 120:

- Five-gallon containers of joint compound in the basement. The bottoms of the buckets had failed and leaked.
- Five-gallon containers of water treatment chemicals in the basement.
- A room full of 1- to 5-gallon containers of paints and oils in the basement. There was a strong chemical odor in this room.
- Five large tanks were observed in the basement and appeared to be water storage tanks, although the tanks were unlabeled.
- An emergency generator with a day tank was observed in the basement.
- According to "Final Department of Homeland Security Headquarter Consolidation at St. Elizabeths Master Plan Amendment East Campus North Parcel Environmental Impact Statement," prepared by U.S. General Services Administration National Capital Region, dated March 2012, one AST is located east of Building 120 although it was not observed at the time of the site visit due to dense vegetative conditions. The AST has a capacity of 10,000 gallons and is constructed of steel. The AST stores diesel fuel for the St. Elizabeths



East Campus boilers. In 2009, the AST was reportedly in fair condition with no staining observed.

An inspection to observe site conditions at Building 81A was conducted by Kristen Wright-Ng of Haley & Aldrich on 28 August 2012. Access to the subject site was provided by Paul Amara, the Director of the Catholic Charities Men's Shelter Operations at the 801 East Housing Assistance Center.

Building 81A: The 801 East Housing Assistance Center has occupied the building since 2004 and uses the building as a men's shelter. This is a two-story building with a crawl space for the basement and is heated/cooled with electrical rooftop units. A former emergency generator building is located to the south of Building 81A along with a bank of three pad-mounted transformers, and a current emergency generator with an associated 1,000-gallon diesel AST. The AST was labeled as double-walled; it is unknown if a leak detection system was employed. The crawl space and former emergency generator building were not accessible at the time of the site visit.

The following chemicals and petroleum products were observed at Building 81A:

- Small quantities (less than 5 gallons) of routine janitorial supplies are kept in storage rooms 122 and 156 and were stored neatly.
- There is one hydraulic elevator onsite and a hydraulic fire pump. Staining was not observed in the vicinity of the hydraulic oil reservoirs.
- Three pad-mounted transformers were located in a fenced area south of Building 81A; PCB content is unknown. Staining and cracks in the concrete pad were not observed.
- An emergency generator is also located south of Building 81A with an associated 1,000-gallon diesel AST. Dark staining was observed on the concrete pad around the AST although cracks were not observed on the concrete pad.
- According to "Final Department of Homeland Security Headquarter Consolidation at St. Elizabeths Master Plan Amendment East Campus North Parcel Environmental Impact Statement," prepared by U.S. General Services Administration National Capital Region, dated March 2012, a second 600-gallon AST is located south of Building 81A although the content is unknown.



CONCLUSIONS

Based on the above, the following Recognized Environmental Conditions (RECs) were identified at the subject site:

REC #1: Former Landfill and Fly Ash Disposal on eastern portion of the subject site. **Explanation:** The eastern portion of the North Parcel was used as a landfill from 1982 to 1989 by the DC government. Subsurface investigations were reported in 1991 and 2008:

- 1991 field investigation report (refer to Figure 2 1991 Ash/Fill Area): Fill material within the landfill was composed of storm sewer cleanings, street sweepings, road construction debris, and incinerator fly ash. The landfill was composed of four portions which were closed in 1983, 1987, 1988, and 1989. Closure consisted of a cap of 18 to 30 inches of a mixture of milled asphalt, soils, and compost from a sewage treatment plant. Sampling of fill, fill leachate, and pond sediment in the area of the landfill was conducted in 1984 and 1985. Chlorinated dioxins and furans were detected in ash fill and PCB-1260 was detected in pond sediments.
- 2008 geotechnical report (refer to Figure 2 2008 Fly Ash Zone): This report identified ash fill. A composite soil sample was collected and analyzed for metals and semi-volatile organic compounds to characterize ash for disposal. Results were reportedly below RCRA limits and the ash was not considered a RCRA hazardous waste for metals or SVOCs.

REC #2: USTs/LUSTs

Explanation: LUSTs were identified on the EDR report and in previous reports (GSA, 2012). DDOE LUST case number 88008 was opened on 27 April 1988 when six USTs (some apparently leaking) were discovered throughout the St. Elizabeths Campus on the North Parcel as described below.

Building	UST Description	UST Status
81	500-gallon waste oil UST	Removed around 1999. No documentation.
81	3,000-gallon diesel UST	Abandoned in place.
81	10,000-gallon gasoline UST	Removed around 1999. No documentation.
81	abandoned 2,000-gallon UST	Removed 22 March 1989 and replaced with a
	with unknown contents	10,000-gallon diesel UST with no leaking
		product or oil contamination observed.
81	10,000-gallon diesel UST	Removed around 1999. No documentation.
120	5,000-gallon diesel UST	Removed 15 March 1989 with no apparent
		leakage or soil contamination.

No documentation was available regarding UST closure activities or confirmatory sampling data presumably collected during tank excavations.



REC #3: Possible USTs

Explanation: Two areas of possible USTs were observed. The first is adjacent to the former weigh station near Building 81 where two manhole covers are situated within a cement pad. The second is within the courtyard of Building 83 where two 4-inch-diameter metal covers were observed at grade.

REC #4: Building 81 Basement and Adjacent Areas

Explanation: The former use of Building 81 included vehicle maintenance operations. The basement level appeared to have a dirt floor. Floor drains and staining were observed. Typical vehicle maintenance operations include the use of petroleum products and solvents, for which there is a potential for spills and/or improper disposal. Additionally, there appeared to be an oil-stained cubic tank potentially used for the hydraulic system.

REC #5: Former Battery Storage Areas

Explanation: Evidence of former battery storage was observed at Buildings 81 and 83. White staining was observed in the former battery storage area at Building 81.

REC #6: Drum Storage Areas

Explanation: Drum storage was observed at Buildings 81 and 83 situated on the ground surface. The drums were in poor condition and impacts to the environment from the historical usage of these areas are unknown.

REC #7: Outside Transformers

Explanation: Transformers were observed to the south of Building 81A and to the west of Building 82. The transformers were mounted on concrete pads. The age and PCB-content of the transformers are unknown.

REC #8: ASTs

Explanation: An AST may have previously existed in the "used oil tank" room at Building 81. A 1,000-gallon diesel AST associated with the emergency generator at Building 81A was observed to be mounted on a concrete pad. Additionally, according to previous reports (GSA, 2012), a second 600-gallon AST (not observed during our site visit) is reportedly located south of Building 81A although the content is unknown. It is possible that this AST was associated with the former emergency generator. At Building 120, a day tank associated with an emergency generator was observed in the basement; the contents and condition of the tank are unknown. A 10,000-gallon diesel fuel AST (not observed) is reportedly located east of Building 120.

REC #9: Indoor Hazardous Materials Storage Areas

Explanation: Containers of oils, paints, and other chemicals were observed within Building 82 and Building 120. A floor drain was observed in the storage area of Building 82. Several dozen containers, some of which had leaked, were observed within Building 120. A strong chemical odor was also observed within the storage area of Building 120.

HALEY& ALDRICH