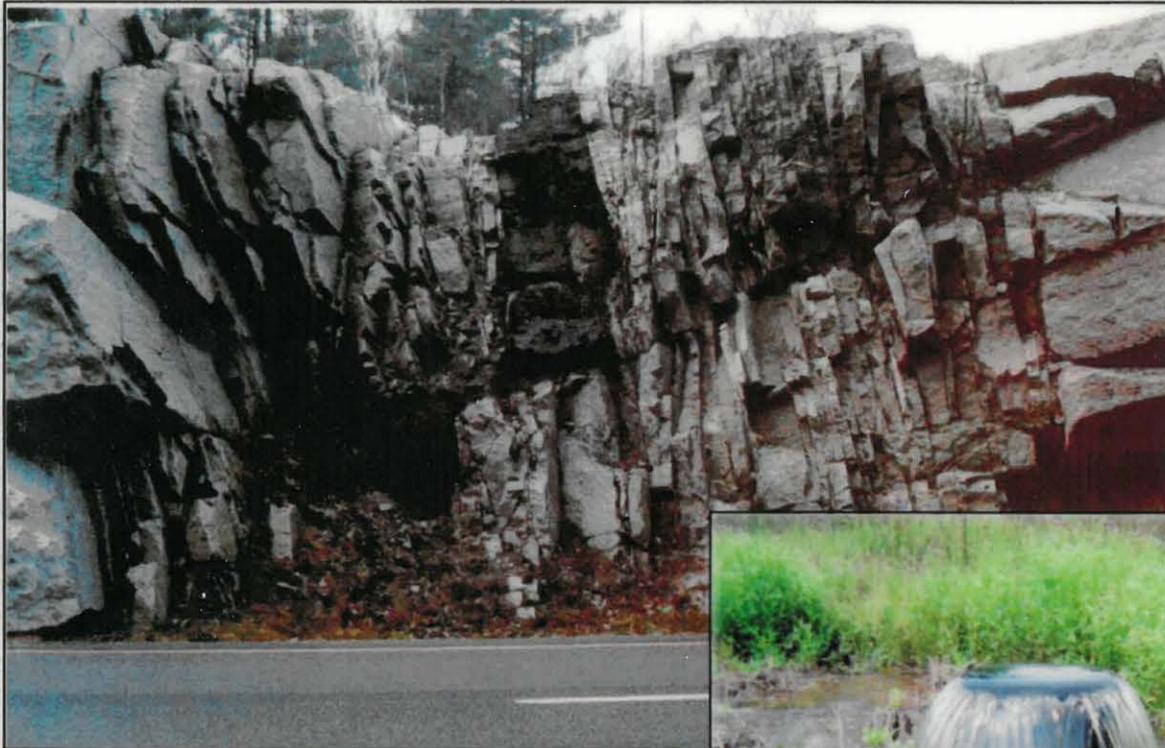


**RESULTS OF PHASE I HYDROGEOLOGIC INVESTIGATION**  
**ASSESSMENT OF THE POTENTIAL AVAILABILITY OF**  
**GROUNDWATER RESOURCES WITHIN THE**  
**CLARKE COUNTY STUDY AREA**  
**CLARKE COUNTY, VIRGINIA**



**May 2017**

*Presented to:*

**Mr. Rod Brown**  
**Anderson & Anderson, Inc.**

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May 4, 2017

Mr. Rod Brown  
Anderson & Anderson, Inc.  
100 Ardmore Street  
Blacksburg, VA 24060

Re: Clarke County Study Area – Results of Phase I Hydrogeologic Investigation

Dear Rod:

Please find enclosed the results of Emery & Garrett Groundwater Investigations, LLC's (EGGI's) Phase I Hydrogeologic Investigation that was conducted to assess the potential availability of groundwater resources within the Clarke County Study Area in Clarke County, Virginia.

I hope you find the information contained herein responsive to your needs. If you have any questions concerning this material, please do not hesitate to contact me.



Best regards,

Mark B. Wingsted, P.G.  
Geologist/Project Manager

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May 2017

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## **RESULTS OF PHASE I HYDROGEOLOGIC INVESTIGATION**

### **ASSESSMENT OF THE POTENTIAL AVAILABILITY OF GROUNDWATER RESOURCES WITHIN THE CLARKE COUNTY STUDY AREA**

#### **CLARKE COUNTY, VIRGINIA**

**May 2017**

#### **I. INTRODUCTION / SUMMARY**

Emery & Garrett Groundwater Investigations, LLC (EGGI) has completed the first Phase of a multi-phase groundwater investigation designed to identify and develop new potable groundwater sources within the Study Area located in Clarke County, Virginia (Figure 1). The Study Area includes a region within two miles of the Prospect Hill Spring, which currently serves as the sole source of public drinking water for the Millwood, Boyce, and White Post Service Areas that are owned and operated by the Clarke County Sanitation Authority (Figure 1).

The Phase I work efforts included:

- Compiling and Reviewing Background Hydrogeologic Information
- Conducting Geologic Mapping of the Local Bedrock Geology
- Performing Bedrock Fracture Fabric/Lineament Analyses
- Conducting a Preliminary Groundwater Recharge Assessment
- Completing a Groundwater Contaminant Threats Assessment
- Compiling Existing Well Information
- Selecting Potential Groundwater Development Zones and Prioritizing them in Accordance with their Overall Yield Potential

The results of this investigation led to the identification of seven potential Groundwater Development Zones (GWDZs) identified as CLK-1, CLK-2, CLK-3, CLK-4, CLK-5, CLK-6, and CLK-7, listed in order of their overall favorability to produce wells of high yield. Therefore, these selected GWDZs incorporate the portions of the Study Area that have the best *potential* for developing significant quantities of groundwater supplies (Figures 1-5).

A summary of EGGI's Phase I work efforts is presented in the following sections.

## II. HYDROGEOLOGIC SETTING

### A. Bedrock Geology

EGGI conducted a regional assessment of the hydrologic favorability of the various carbonate bedrock units underlying the Clarke County Study Area in order to define potential Groundwater Development Zones. The distribution of the various bedrock types underlying the Study Area has been mapped by a number of scientists in the past, including Edmundson and Nunan (1973) and Hubbard (1990). EGGI's geologic mapping program was not designed to re-map the entirety of the Study Area, but rather to evaluate how the hydrogeologic characteristics of the underlying bedrock influences groundwater occurrence in the Study Area. As a part of this mapping exercise, EGGI compiled a geologic base map for the Study Area (Figure 2).

The bedrock is comprised of a folded series of limestones and dolostones located within the regional Valley and Ridge Geologic Province (Figure 2). The bedrock units that underlie the Study Area include the Rockdale Formation, Stonehenge Formation, Conococheague Formation, and the Elbrook Formation. Each Formation has different water-bearing characteristics, so that the delineation and evaluation of these rock units was critical to the identification of the Groundwater Development Zones selected in this Study Area. According to a County-wide hydrogeological study conducted by the United States Geological Survey (USGS) (Nelms and Moberg, 2010), wells drilled in Conococheague Formation and the Elbrook Formation typically have higher yields than those drilled within the Rockdale Formation or Stonehenge Formation.

The availability of groundwater resources within the carbonate rock formations are dominantly related to the presence of solution cavities (karst) that form during the dissolution of the carbonate minerals that comprise the rocks. The location and extent of the solution features are largely controlled by the presence of carbonate-rich layering (beds) within the formations, structural discontinuities (e.g., faults, fractures, or fracture zones), and interlayering of relatively impermeable non-carbonate rocks. These geologic characteristics variably enhance the dissolution of carbonate minerals in the rocks by groundwater, creating passageways for groundwater storage and movement. Areas of significant solution and karst development are capable of producing *substantial* volumes of groundwater. However, developing groundwater resources in karst terrain presents challenges, such as the potential for the groundwater resources to be directly influenced by surface water (GUDI).<sup>1</sup>

One way to quantify the degree of karst development is to conduct an inventory of the landforms associated with karst solution, such as sinkholes and springs. EGGI compiled sinkhole and spring data using geologic maps and available GIS datasets. The results of this assessment indicate that the springs appear to be heterogeneously distributed throughout each of the carbonate rock units but the sinkholes are particularly prevalent in the Stonehenge and Conococheague Formations (Figure 2).

---

<sup>1</sup> Groundwater that is directly Under the Direct Influence of surface water (GUDI) will require treatment to remove bacteria and other pathogens derived from surface water.

## **B. Identification of Potential Fractured and Karst Bedrock Aquifers**

As noted above, the water-bearing properties of bedrock within the Study Area are dependent upon the occurrence of karst solution features that develop along fractures, faults, or other bedrock discontinuities. Therefore, a detailed investigation of the secondary permeability associated with bedrock discontinuities was *also* conducted as part of this study. To this end, EGGI scientists utilized the following two-fold approach:

- 1) A remote sensing analyses of the site was conducted using many scales and types of aerial photography and imagery; and
- 2) Measurements of bedrock fracture characteristics were taken and recorded at bedrock exposures in all of the different rock types.

Whereas the analyses of remote sensing data provided insights into potential bedrock discontinuities for 100% of the Study Area, data collected from EGGI's investigations of on-site bedrock exposures provide detailed "field" evidence for the orientation of faults, fracture systems, and other discontinuities at specific locations.

### **1) Remote-Sensing Analysis**

#### **a) Introduction and Methods**

The underlying key to successfully evaluating the potential to develop groundwater supplies from karst and fractured bedrock sources is the ability for geologists to consistently and accurately delineate zones of laterally extensive bedrock fracture systems and karst features through which groundwater can flow. "Fracture trace" or lineament analyses, in conjunction with detailed structural mapping of brittle deformation and karst features, are routinely applied by remote-sensing scientists as practical methods to delineate water-bearing bedrock systems (Mabee and others, 1994).

Many subsurface features, such as karst solution features, fracture zones, bedrock discontinuities, faults, and geologic contacts, have ground surface expressions that can be detected through a remote sensing analysis of photographic and computer-enhanced images. These surface expressions typically appear on the ground surface as sinkholes, topographic depressions, vegetation changes, tonal anomalies (i.e., contrast changes), etc., and are known as 'lineaments.' A lineament can be loosely defined as a mappable linear feature, as seen on the terrain surface, whose parts are aligned in a rectilinear or curvilinear manner.

The approach used to collect and analyze lineaments is to first draw lineaments on different scales and types of images. The lineaments are then spatially and statistically evaluated using EGGI computer programs. Four image types were analyzed during this study using eight separate observational trials to develop a robust lineament data set for the Study Area (Table on Figure 3). Previous fracture trace studies conducted within the Study Area were also evaluated during this investigation (Anderson and Associates, 2016; Hubbard, 1990).

EGGI's lineament analyses provides two main products: 1) a rose diagram<sup>2</sup> of lineaments for comparison with karst and bedrock fracture fabric data; and 2) high confidence, reproducible lineaments, called coincident lineaments (lineaments defined during multiple observational trials) (Figure 3). The rose diagram graphically presents the orientations of the most common lineament orientations (lineament families) and the relative dominance of each common lineament orientation (as shown by the length of the rose petals of each orientation). All lineament data were used for comparison with other geologic data (i.e., karst features and bedrock fracture fabric analyses) to help identify favorable areas considered suitable for groundwater development.

## b) Results of Remote Sensing Analyses

*A total of 4,142 lineaments were identified in this investigation.* The synoptic rose diagram created shows the prominent trends of lineaments observed in the Study Area (Figure 3). The most common trends shown by the diagram are, in decreasing order of prominence, 30°, 118°, 84°, and 147°. Note, however, that lineaments trending at orientations other than those shown on the rose diagram do occur locally, as shown on Figure 3.

From the original 4,142 lineaments, 225 *coincident* lineaments<sup>3</sup> were identified; of these, 66 were correlated with orientations of bedrock fractures<sup>4</sup>. Discontinuities and karst features in the rock that potentially possess enhanced water-bearing properties often underlie coincident lineaments. Because of this, the presence of such lineaments was used as one factor in delineating favorable groundwater development zones that warrant further investigation through the use of geophysical surveys (to be conducted during Phase II investigations).

## 2) Bedrock Fracture Fabric Analysis

### a) Introduction

As noted previously, groundwater storage and flow is controlled, in large part, by the secondary permeability associated with structural discontinuities such as fractures and faults. Therefore, EGGI's analysis of the groundwater potential within the Study Area also involved a characterization of the fracture fabric of the bedrock. These fracture fabric data have two primary uses in this study: 1) they enabled correlation of lineaments to ground features, thereby supporting extrapolation of fracture fabric features to areas where bedrock is not exposed; and 2) they provide a qualitative measure of the groundwater storage and secondary permeability characteristics of the bedrock. The ability to extrapolate the detailed fracture fabric data beyond specific outcrop locations where measurements are made is important because bedrock is exposed in less than approximately 1% of the Study Area.

---

<sup>2</sup> Rose diagrams are presented in a rose "petal" format (Figure 3). The trend of each rose petal is posted in degrees east of north. Petal width is a measure of data scatter and petal length a measure of relative numbers of data in each lineament family.

<sup>3</sup> Lineaments that are defined during multiple observational trials.

<sup>4</sup> Reduction of raw lineament data to coincident lineaments and fracture-supported coincident lineaments follows the method described in Mabee and others (1994).

## b) Results/Key Observations about the Fracture Fabric of the Study Area

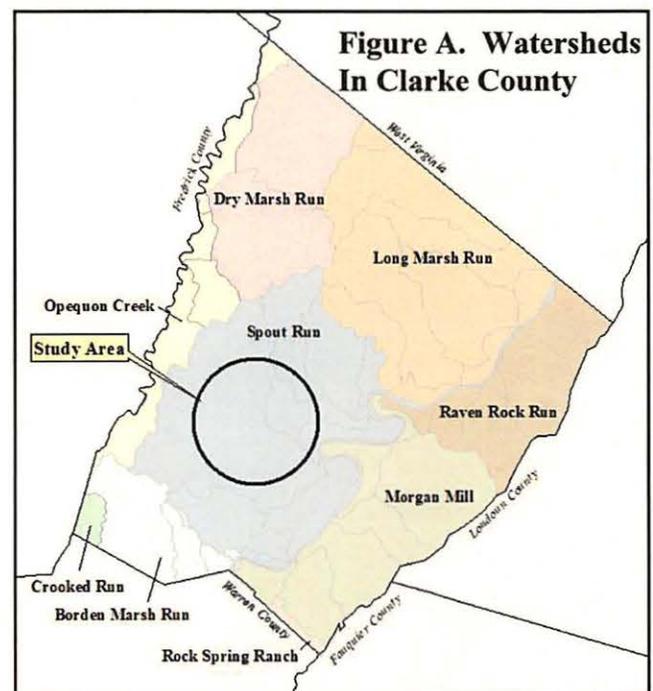
Bedrock fracture fabric data collected from individual bedrock outcrops were compiled to determine representative orientations (Figure 2). A comparison of the lineament and fracture trends show that a correlation exists between some of the major lineament trends and fractures measured at local outcrops. Coincident lineaments that co-parallel bedrock fracture trends are deemed fracture-supported and are shown in Figure 2. The correlation within these data sets supports the use of lineaments in the exploration for groundwater resources and suggests that some of the lineaments are related to bedrock fractures or karst features that are likely to be transmissive to groundwater flow.

## C. Review of Potential Groundwater Recharge

The availability of groundwater recharge determines the sustainable yield of a well or wellfield. Water being withdrawn from the groundwater aquifer must be replenished or the existing groundwater storage will be depleted. A comprehensive groundwater exploration program therefore must not only locate transmissive water-bearing zones, it should also review the potential for aquifer systems to be adequately recharged. Insights into the groundwater recharge characteristics of the Clarke County Study Area are presented below.

The Study Area is located entirely within the Spout Run Watershed (inset Figure A). Published estimates of average groundwater recharge from precipitation within this area of Virginia range from 8.4 to 11.3 inches per year (Pavich, 1986, Richardson, 1980, Nutter and Otton, 1969, Nelms and Moberg, 2010). Therefore, a recharge value of 10 inches per year is considered to be appropriate for the Clarke County Study Area for years with average amounts of precipitation. Of course, less groundwater recharge is available under drier climatological conditions.

A recharge value of 10 inches per year is equivalent to approximately 476,100 gallons per day per square mile. The Clarke County Study Area encompasses approximately 12.5 square miles (8,035 acres). Annual precipitation of 10 inches within this area would result in recharge rates of approximately 6 million gallons per day (mgd)<sup>5</sup>. During periods of drought, when only 6 inches of recharge may be available, the rate of recharge would be around 3.5 mgd.



<sup>5</sup> This is considered a rough estimate only, as topography, vegetation, soil type, slope, amount of impermeable surfaces, and geomorphology of the landscape all impact recharge rates.

An estimate of water use by Clarke County Sanitation Authority is approximately 85,000 gallons per day (gpd). Thus, the Authority only utilizes approximately 2% of the available recharge during drought conditions. .

#### **D. Contaminant Threats to Groundwater Quality**

The quality of groundwater resources can be adversely affected by land uses involving groundwater contaminants that can migrate into underlying bedrock aquifers. Therefore, one element of EGGI's groundwater resource investigation is to review the presence of potential contaminant threats to groundwater quality. Environmental Data Resources (EDR) of Southport, Connecticut (a private firm that conducts contaminant threat searches) compiled contaminant threat information within the designated Study Area.

EDR mapped eight sites within the Study Area, none of which have a high potential to degrade groundwater quality (Figure 4 and Appendix A). Generally, the Study Area consists of open pasture, farming, and forestlands combined with rural residential housing. EGGI believes that the existing land uses within the Study Area are generally compatible with the maintenance of high quality groundwater resources. However, only after exploratory test wells have been drilled and representative samples of the groundwater have been chemically analyzed will the quality of the available groundwater resources be fully known.

#### **E. Existing Wells**

Water supplies within the Study Area are derived from bedrock aquifers and springs through the use of private domestic wells or public drinking water systems. Nearly one hundred well locations and corresponding yields in gallons per minute (if known) of both private and public wells are shown on Figure 4<sup>6</sup>. Reported airlift yields from these wells range from 1 to 150 gpm and average 29 gpm. The well depths range from 45 to 660 feet and average 234 feet. These data show that the occurrence of groundwater resources in the area is highly variable and that individual wells can be very productive.

The Clarke County Sanitation Authority drilled a 6-inch-diameter well up-gradient of the Prospect Hill Spring in June 2016 (as shown on Figure 4). This well was drilled to a depth of 180 feet and intercepted a water-bearing zone at 150-160 feet below the ground surface. The well had a yield of over 100 gpm at the end of drilling. However, it is EGGI's understanding that the Authority did not pursue this well as a viable option for a potential source of public drinking water because the drilling of the well caused the turbidity levels to become elevated in Prospect Hill Spring.

---

<sup>6</sup> Well data compiled for this study were provided by Clarke County Sanitation Authority, the Clarke County Health Department, Clarke County Natural Resource Planning Office, databases maintained by the Virginia Department of Mines, Minerals, and Energy and well information contained in a 2010 USGS hydrogeologic study of Clarke County (Nelms and Moberg, 2010).

### III. RECOMMENDATIONS

Based upon the hydrogeologic data collected in Phase I, EGGI recommends that this groundwater exploration program proceed to Phase II. Phase II will include conducting geophysical surveys within selected Groundwater Development Zones (GWDZs) that will be used to select specific exploratory well sites. The hydrogeologic conditions, as determined during this groundwater investigation, suggest that high-yielding groundwater resources can be developed within the Study Area.

The potential Groundwater Development Zones selected during this investigation are identified as CLK-1, CLK-2, CLK-3, CLK-4, CLK-5, CLK-6, and CLK-7. The seven potential Groundwater Development Zones are considered to be the best candidate areas for developing high-yield bedrock wells for potable groundwater resources within the designated Study Area and are ranked relative to their potential favorability to produce wells of high yield. A Table of properties within each of the Groundwater Development Zones is included in Appendix B. Restrictions of properties held within conservation easements should be assessed to determine if the development of a public well on the property is permissible.

Subsequent phases of this investigation shall include the following:

- *Phase II – Geophysical Surveys.* Geophysical surveys shall be performed in at least two selected GWDZs with the specific focus of identifying exploratory drilling targets. The geophysical techniques that would be used in this Study Area will include (but not be limited to) electrical resistivity, electromagnetic, and magnetic. The results of this investigation will be the placement of wooden stakes in the ground indicating exactly where to drill exploratory wells. The selected wells sites will be ranked in accordance with their priority of favorability.
- *Phase III – Exploratory Test Well Drilling.* Exploratory test wells shall be drilled at those locations identified and prioritized by the Phase II Investigations. Preliminary yields will be measured with the drill rig by airlifting water from the borehole.<sup>7</sup> Water samples will be collected and analyzed to assess the preliminary water quality of the groundwater source.
- *Phase IV – Conversion of Exploratory Test Wells to Larger Diameter Production Wells.* For those wells having preliminary airlift test yields that are sufficient to indicate that a larger diameter well is warranted, EGGI will select the highest yielding 6-inch-diameter test well and ream it out to 8 inches in diameter or larger. Since we will attempt to convert the same exploratory test well into a production well, it will not be necessary to re-permit the production well. It has been our experience that this is the most cost-effective means to develop a production water supply well.

---

<sup>7</sup> Airlift tests involve using the drill rig to “air-lift” water out of the well during the drilling process, such that a preliminary measurement can be made of the well’s yield.

- *Phase V – Final Testing of Yield and Quality of Groundwater Supply.* The estimated sustainable yield and quality of any well or well field (and associated off-site impacts to existing groundwater users) will be determined with the aid of properly conducted long-term pumping and recovery tests. At the conclusion of this phase of work, an operations plan will be prepared which describes how the wells should be used to meet maximum water supply needs. A final hydrogeologic report will be submitted to the State Department of Health for review and final approval for use as a potable supply well.

#### IV. LIMITATIONS

EGGI has collected and evaluated the available technical data according to professionally accepted scientific standards. The recommendations provided herein represent EGGI's professional opinion based upon the hydrogeologic data collected and do not constitute a warranty written or implied.

#### V. REFERENCES

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Edmundson, R.S., and Nunan, W.E., 1973, Geology of the Berryville, Stephenson, and Boyce quadrangles, Virginia: Virginia Division of Mineral Resources Report of Investigations 34, scale 1:24,000, 112 p.

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Nelms, D.L., and Moberg, R.M., Jr., 2010, Hydrogeology and Groundwater Availability in Clarke County, Virginia.

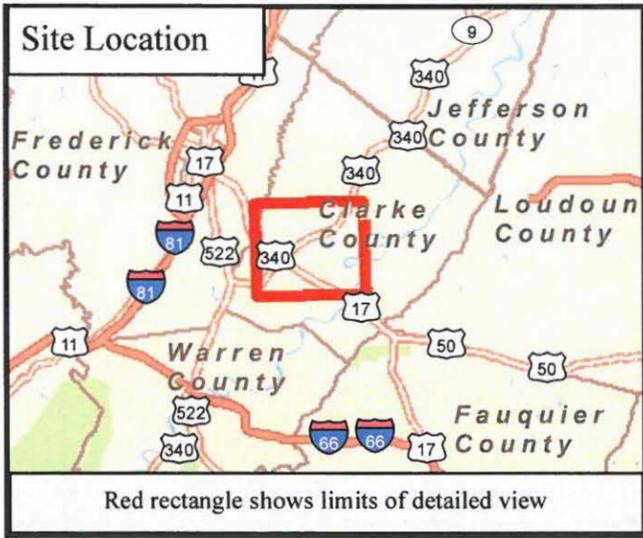
Nutter, L.J. and Otton, E.G., 1969, Ground-water Occurrence in the Maryland Piedmont: Maryland Geological Survey, Report of Investigations #10.

Pavich, M.J., 1986, Processes and Rates of Saproelite Production and Erosion on a Foliated Granitic Rock in the Virginia Piedmont: *in* Colman, S.M. and Dethier, D.P., eds, Rates of Chemical Weathering of Rocks and Minerals: Academic Press, Inc., New York, p. 541-591.

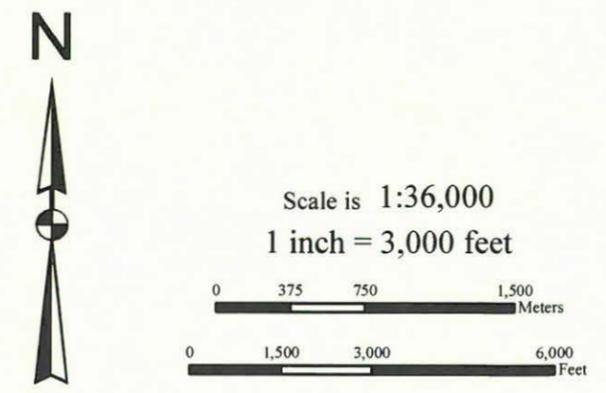
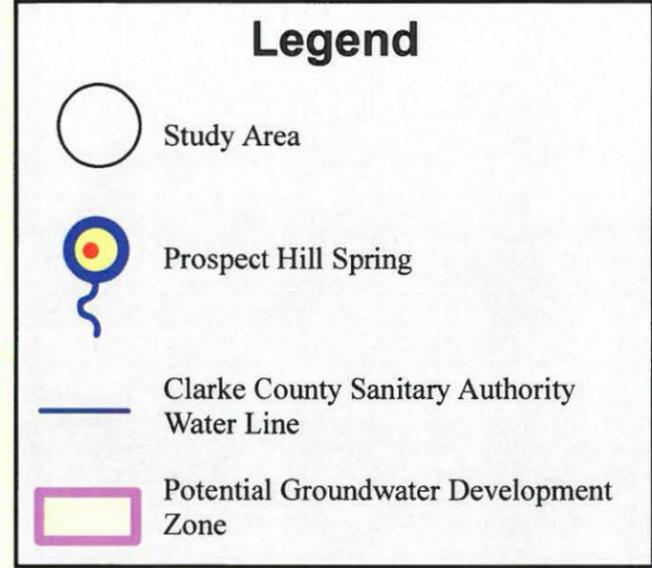
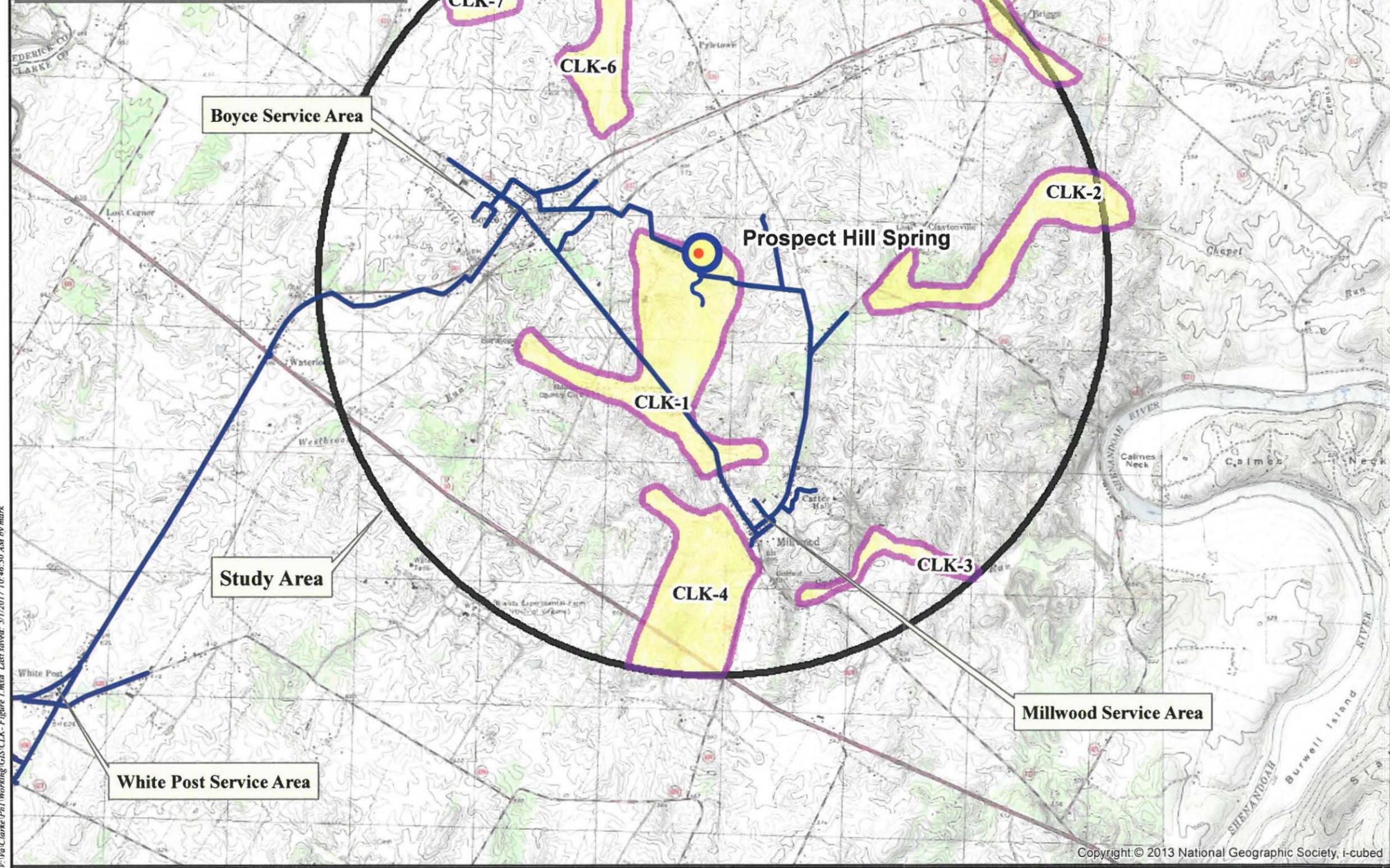
Richardson, C.A., 1980, Groundwater in the Piedmont Upland of Central Maryland: U.S. Geological Survey, Water Resources Investigation 80-118.

Wise, D. U., 1982, Linesmanship and the Practice of Linear Geo-art, *Geol. Soc. Amer. Bull.*; 9; 886-888.

**FIGURES**



**FIGURE 1**  
Topographic Setting of the  
Clarke County Study Area and Potential  
Groundwater Development Zones  
Clarke County, Virginia

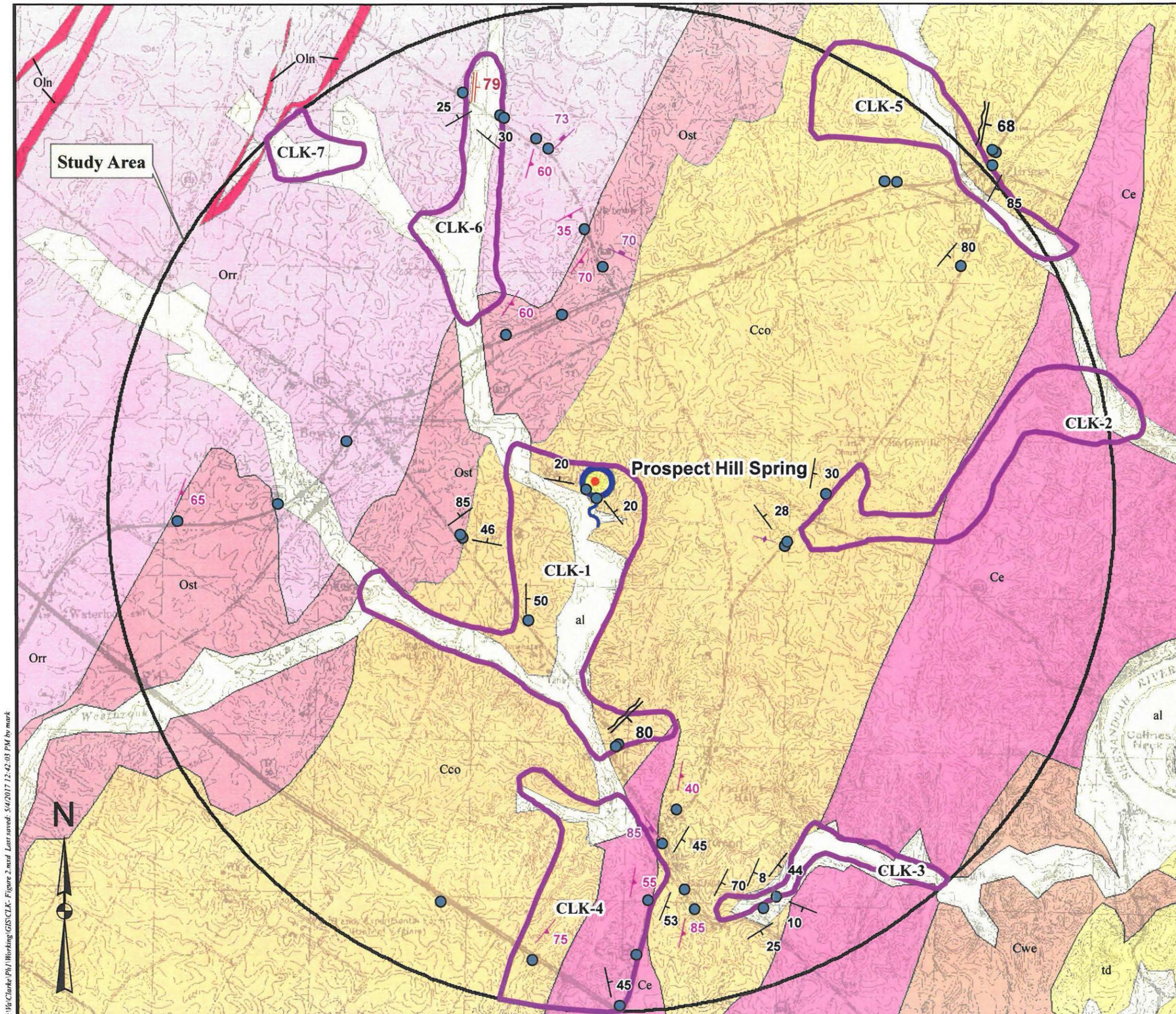


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Copyright © 2013 National Geographic Society, i-cubed

# FIGURE 2

Bedrock Geology Proximal to the  
Clarke County Study Area  
Clarke County, Virginia



### Bedrock Geology

(after Edmundson and Nunan, 1972)

al	<b>Alluvium</b> Clay, silt, sand, gravel, and massive beds of travertine along streams
td	<b>Terrace Deposits</b> Rounded gravel and cobbles in sand, silt, and clay matrix
Oln	<b>New Market Limestone</b> Dark gray to blueish gray limestone
Orr	<b>Rockdale Run Formation</b> Interbedded bluish gray limestone and gray dolomite
Ost	<b>Stonehenge Formation</b> Laminated dark gray limestone
Cco	<b>Conococheague Formation</b> Gray to dark gray limestone
Ce	<b>Elbrook Formation</b> Limestone interbedded with dolomite, shale, and siltstone.
Cwe	<b>Waynesboro Formation</b> Dolomite and Limestone interbedded with argillite and phyllite

### Legend

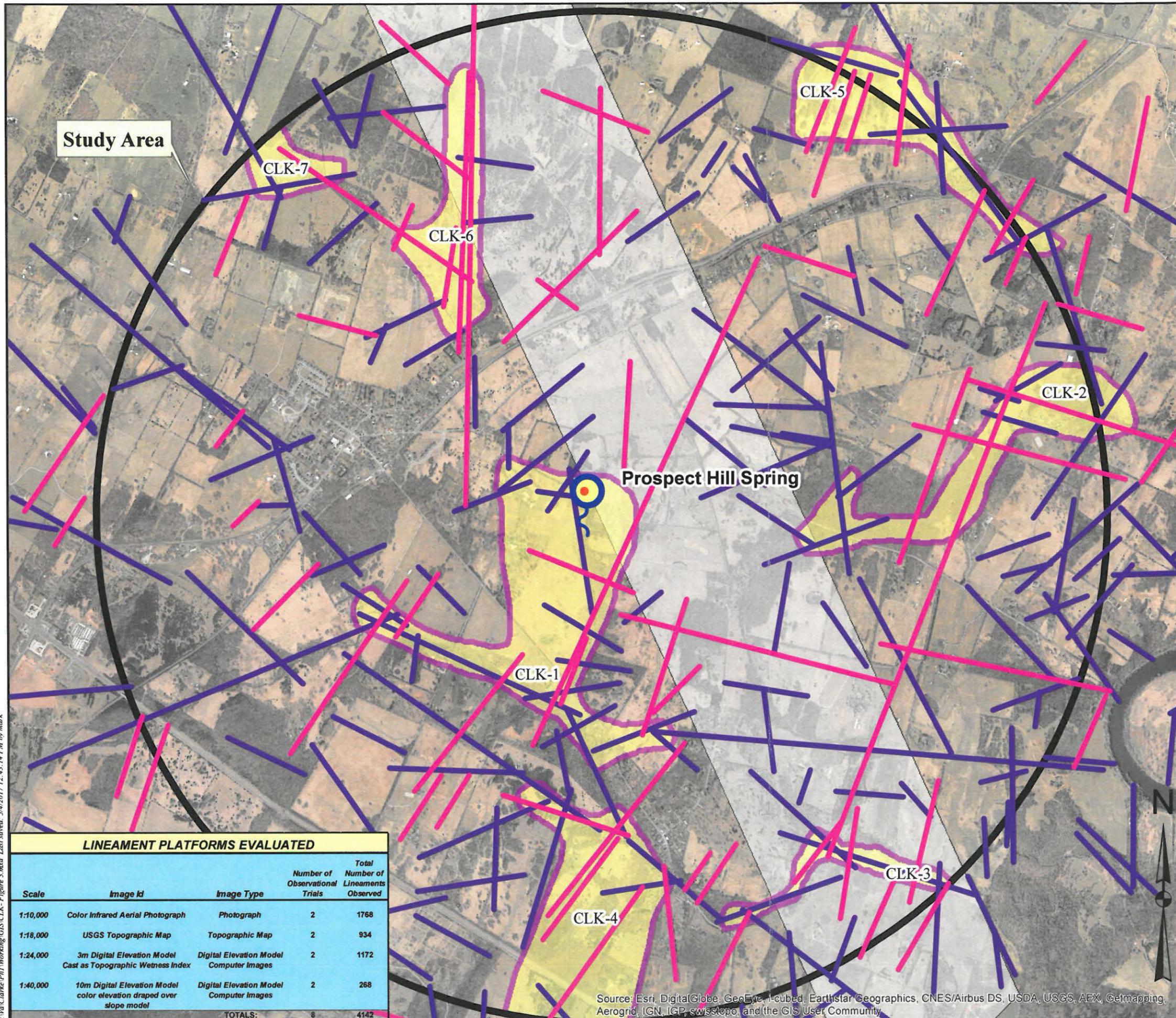
	Study Area
	Prospect Hill Spring
	Potential Groundwater Development Zone
<b>Bedrock Type and Structures Identified by EGGI</b>	
	Limestone
	Bedrock Fracture Zone
	Vertical Fracture
	Bedrock Fracture
	Foliation
	Bedding or Layering

Scale is 1:24,000 1 inch = 2,000 feet

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# FIGURE 3

Coincident Lineaments and Potential Groundwater Development Zones  
Clarke County Study Area  
Clarke County, Virginia



### Legend

- Study Area
- Prospect Hill Spring
- Coincident Lineament observed on more than three scales of imagery
- Coincident lineament AND co-parallel nearby fracture family or bedding trends.
- Regional Lineament identified by Hubbard (1990) on Landsat image
- Potential Groundwater Development Zone

### Rose Diagram of Lineament Data

N = 3,627

ROSE DIAGRAM NOTATION - Rose petals represent trends of lineaments derived by fitting gaussian curves to azimuth frequency histograms. The trend of each peak is posted in degrees east of north. Petal width is a measure of data scatter and petal length a measure of relative numbers of data

Scale is 1:24,000

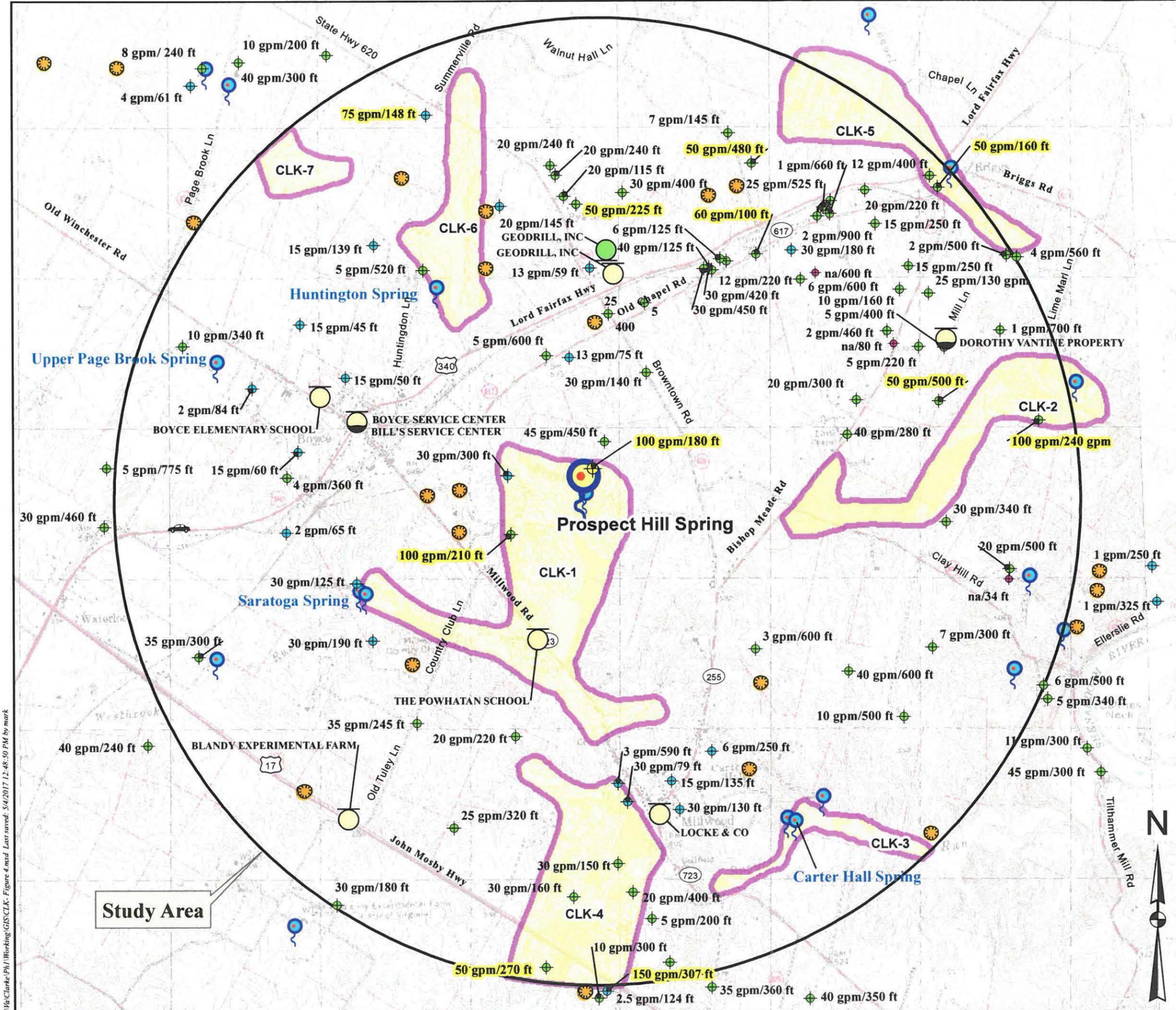
LINEAMENT PLATFORMS EVALUATED				
Scale	Image Id	Image Type	Number of Observational Trials	Total Number of Lineaments Observed
1:10,000	Color Infrared Aerial Photograph	Photograph	2	1768
1:18,000	USGS Topographic Map	Topographic Map	2	934
1:24,000	3m Digital Elevation Model Cast as Topographic Wetness Index	Digital Elevation Model Computer Images	2	1172
1:40,000	10m Digital Elevation Model color elevation draped over slope model	Digital Elevation Model Computer Images	2	288
TOTALS:			8	4142

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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**FIGURE 4**

Potential Contaminant Threats,  
Existing Wells, and Springs within the  
Clarke County Study Area  
Clarke County, Virginia



### Legend

- Study Area
- Prospect Hill Spring

#### Potential Contaminant Threat to Groundwater

- AST - Above ground Storage Tank
- Leaking Tanks Database
- Leaking Underground Storage Tank Database
- Recovered Government Archive LUST
- Underground Storage Tank
- Historical Auto
- Sinkhole location provided by Clarke County GIS

#### Well and Spring Information (Well highlighted if yield is 50 gpm or more)

- Well Data from USGS 2010 Clarke County Study
- Well Data Provided by Clarke County Health Department
- Well data from database maintained by the Virginia Department of Mines, Minerals, and Energy
- Well Data Provided by Clarke County Sanitation Authority
- Springs from database maintained by the USGS

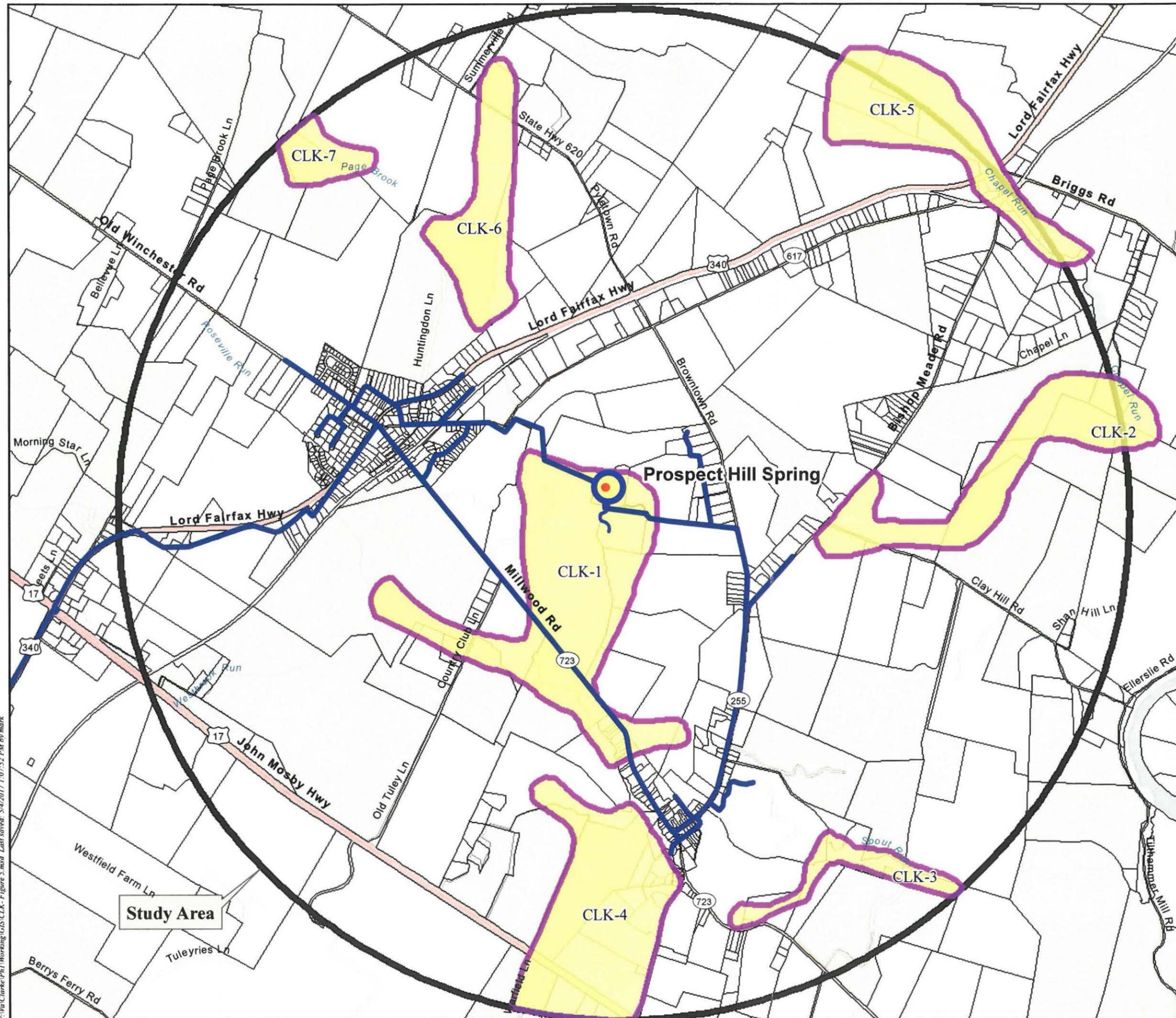
Potential Groundwater Development Zone

Scale is 1:25,000  
1 inch = 2,083 feet

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# FIGURE 5

Potential Groundwater Development Zones and Tax Parcels Proximal to the Clarke County Study Area  
Clarke County, Virginia

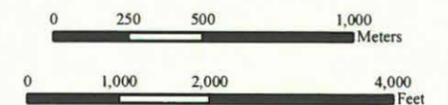


## Legend

- Study Area
- Prospect Hill Spring
- Clarke County Sanitation Authority Water Lines
- Tax Parcels
- Conservation Easement
- Potential Groundwater Development Zone



Scale is 1:24,000  
1 inch = 2,000 feet



K:\Va\Clarke\PH\Working\GIS\CLK - Figure 5.mxd Last saved: 5/4/2017 1:07:52 PM by mark

**APPENDIX A**

**ENVIRONMENTAL DATA RESOURCES, INC.  
(EDR) REPORT**

**Clarke County**  
101 Chalmers CT  
Boyce, VA 22620

Inquiry Number: 4854007.2s  
February 14, 2017

## The EDR Radius Map™ Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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Government Records Searched/Data Currency Tracking .....	GR-1

## GEOCHECK ADDENDUM

GeoCheck - Not Requested

*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.

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## 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) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

101 CHALMERS CT  
BOYCE, VA 22620

#### COORDINATES

Latitude (North): 39.0882060 - 39° 5' 17.54"  
Longitude (West): 78.0419170 - 78° 2' 30.90"  
Universal Transverse Mercator: Zone 17  
UTM X (Meters): 755857.4  
UTM Y (Meters): 4330523.5  
Elevation: 566 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5946952 BOYCE, VA  
Version Date: 2013

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140815, 20140816  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 101 CHALMERS CT  
 BOYCE, VA 22620

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	THE POWHATAN SCHOOL	49 POWHATAN LN	UST	Lower	3340, 0.633, SS
2	GEODRILL, INC	164 PYLETOWN RD	UST, AST	Lower	5096, 0.965, Nor
A3	BILL'S SERVICE CENTE	8 S GREENWAY AVE	RGA LUST	Higher	5515, 1.045, WN
A4	BILL'S SERVICE CENTE	8 S GREENWAY AVE	LUST, LTANKS	Higher	5515, 1.045, WN
A5	BOYCE SERVICE CENTER	8 S GREENWAY AVE	UST, Financial Assurance	Higher	5515, 1.045, WN
6	BOYCE ELEMENTARY SCH	119 W MAIN ST	UST	Higher	6455, 1.223, WN
7	LOCKE & CO	2049 MILLWOOD RD	UST	Lower	7018, 1.329, Sou
B8	DOROTHY VANTINE PROP	177 CHAPEL LANE	RGA LUST	Higher	8387, 1.588, EN
B9	DOROTHY VANTINE PROP	177 CHAPEL LANE	LUST	Higher	8387, 1.588, EN
10	BLANDY EXPERIMENTAL	400 BLANDY FARM LN	UST	Higher	8867, 1.679, SW
11		12005 LORD FAIRFAX	EDR Hist Auto	Higher	9178, 1.738, We

## EXECUTIVE SUMMARY

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### 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  
SEMS..... Superfund Enterprise Management System

#### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

#### ***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***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

#### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List

## EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

### **Federal ERNS list**

ERNS..... Emergency Response Notification System

### **State- and tribal - equivalent CERCLIS**

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**

SWF/LF..... Solid Waste Management Facilities

### **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

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

### **State and tribal institutional control / engineering control registries**

ENG CONTROLS..... Engineering Controls Sites Listing

INST CONTROL..... Voluntary Remediation Program Database

### **State and tribal voluntary cleanup sites**

VCP..... Voluntary Remediation Program

INDIAN VCP..... Voluntary Cleanup Priority Listing

### **State and tribal Brownfields sites**

BROWNFIELDS..... Brownfields Site Specific Assessments

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

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

### **Local Lists of Landfill / Solid Waste Disposal Sites**

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

### **Local Lists of Hazardous waste / Contaminated Sites**

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

## EXECUTIVE SUMMARY

US CDL..... National Clandestine Laboratory Register

### **Local Land Records**

LIENS 2..... CERCLA Lien Information

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... Prep/Spills Database Listing  
SPILLS 90..... SPILLS 90 data from FirstSearch

### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
FUDS..... Formerly Used Defense Sites  
DOD..... Department of 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  
SSTS..... Section 7 Tracking Systems  
ROD..... Records Of Decision  
RMP..... Risk Management Plans  
RAATS..... RCRA Administrative Action Tracking System  
PRP..... Potentially Responsible Parties  
PADS..... PCB Activity Database System  
ICIS..... Integrated Compliance Information System  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
MLTS..... Material Licensing Tracking System  
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 AIRS..... Aerometric Information Retrieval System Facility Subsystem  
US MINES..... Mines Master Index File  
FINDS..... Facility Index System/Facility Registry System  
UXO..... Unexploded Ordnance Sites  
DOCKET HWC..... Hazardous Waste Compliance Docket Listing  
AIRS..... Permitted Airs Facility List  
NPDES..... Comprehensive Environmental Data System  
COAL ASH..... Coal Ash Disposal Sites  
DRYCLEANERS..... Drycleaner List  
ENF..... Enforcement Actions Data  
Financial Assurance..... Financial Assurance Information Listing

## EXECUTIVE SUMMARY

TIER 2..... Tier 2 Information Listing  
 UIC..... Underground Injection Control Wells  
 ABANDONED MINES..... Abandoned Mines  
 FUELS PROGRAM..... EPA Fuels Program Registered Listing  
 ECHO..... Enforcement & Compliance History Information

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants  
 EDR Hist Cleaner..... EDR Exclusive Historic Dry Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

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

#### ***State and tribal leaking storage tank lists***

LUST: The Leaking Underground Storage Tank Database.

A review of the LUST list, as provided by EDR, has revealed that there are 2 LUST sites within approximately 2 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>BILL'S SERVICE CENTE</i></b> Database: LUST REG VA, Date of Government Version: 12/06/2011 Facility Status: Closed Pollution Complaint #: 19900538 Release Status: Confirmed	<b><i>8 S GREENWAY AVE</i></b>	<b><i>WNW 1 - 2 (1.045 mi.)</i></b>	<b><i>A4</i></b>	<b><i>16</i></b>
DOROTHY VANTINE PROP Database: LUST REG VA, Date of Government Version: 12/06/2011 Facility Status: Closed	177 CHAPEL LANE	ENE 1 - 2 (1.588 mi.)	B9	39

## EXECUTIVE SUMMARY

Pollution Complaint #: 20056048  
Release Status: Suspected

LTANKS: The Leaking Tanks Database contains current Leaking petroleum tanks. The data comes from the Department of Environmental Quality.

A review of the LTANKS list, as provided by EDR, and dated 11/02/2016 has revealed that there is 1 LTANKS site within approximately 2 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>BILL'S SERVICE CENTE</b> Facility Status: Closed CEDS Facility Id: 200000068224 Pollution Complaint #: 19900538	<b>8 S GREENWAY AVE</b>	<b>WNW 1 - 2 (1.045 mi.)</b>	<b>A4</b>	<b>16</b>

### State and tribal registered storage tank lists

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 Environmental Quality's Underground Storage Tank Data Notification Information.

A review of the UST list, as provided by EDR, and dated 11/01/2016 has revealed that there are 6 UST sites within approximately 2 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>BOYCE SERVICE CENTER</b> Tank Status: REM FROM GRD Tank Status: CURR IN USE Facility Id: 6001814 CEDS Facility ID: 2E+11	<b>8 S GREENWAY AVE</b>	<b>WNW 1 - 2 (1.045 mi.)</b>	<b>A5</b>	<b>17</b>
<b>BOYCE ELEMENTARY SCH</b> Tank Status: REM FROM GRD Facility Id: 6020063 CEDS Facility ID: 2E+11	<b>119 W MAIN ST</b>	<b>WNW 1 - 2 (1.223 mi.)</b>	<b>6</b>	<b>35</b>
<b>BLANDY EXPERIMENTAL</b> Tank Status: REM FROM GRD Facility Id: 6021493 CEDS Facility ID: 2E+11	<b>400 BLANDY FARM LN</b>	<b>SW 1 - 2 (1.679 mi.)</b>	<b>10</b>	<b>39</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>THE POWHATAN SCHOOL</b> Tank Status: REM FROM GRD Facility Id: 6007812 CEDS Facility ID: 2E+11	<b>49 POWHATAN LN</b>	<b>SSW 1/2 - 1 (0.633 mi.)</b>	<b>1</b>	<b>8</b>
<b>GEODRILL, INC</b> Tank Status: REM FROM GRD Facility Id: 6001804 CEDS Facility ID: 2E+11	<b>164 PYLETOWN RD</b>	<b>N 1/2 - 1 (0.965 mi.)</b>	<b>2</b>	<b>9</b>
<b>LOCKE &amp; CO</b>	<b>2049 MILLWOOD RD</b>	<b>S 1 - 2 (1.329 mi.)</b>	<b>7</b>	<b>36</b>

## EXECUTIVE SUMMARY

Tank Status: REM FROM GRD  
Facility Id: 6005165  
CEDS Facility ID: 2E+11

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Quality's Aboveground Storage Tank Data Notification Information.

A review of the AST list, as provided by EDR, and dated 11/01/2016 has revealed that there is 1 AST site within approximately 2 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>GEODRILL, INC</b> Facility ID: 6001804 CEDS Facility ID: 2E+11	164 PYLETOWN RD	N 1/2 - 1 (0.965 mi.)	2	9

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR Hist Auto: 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.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 2 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	12005 LORD FAIRFAX	W 1 - 2 (1.738 mi.)	11	41

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA LUST: 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 Environmental Quality in Virginia and at the Regional VA Levels.

A review of the RGA LUST list, as provided by EDR, has revealed that there are 2 RGA LUST sites

## EXECUTIVE SUMMARY

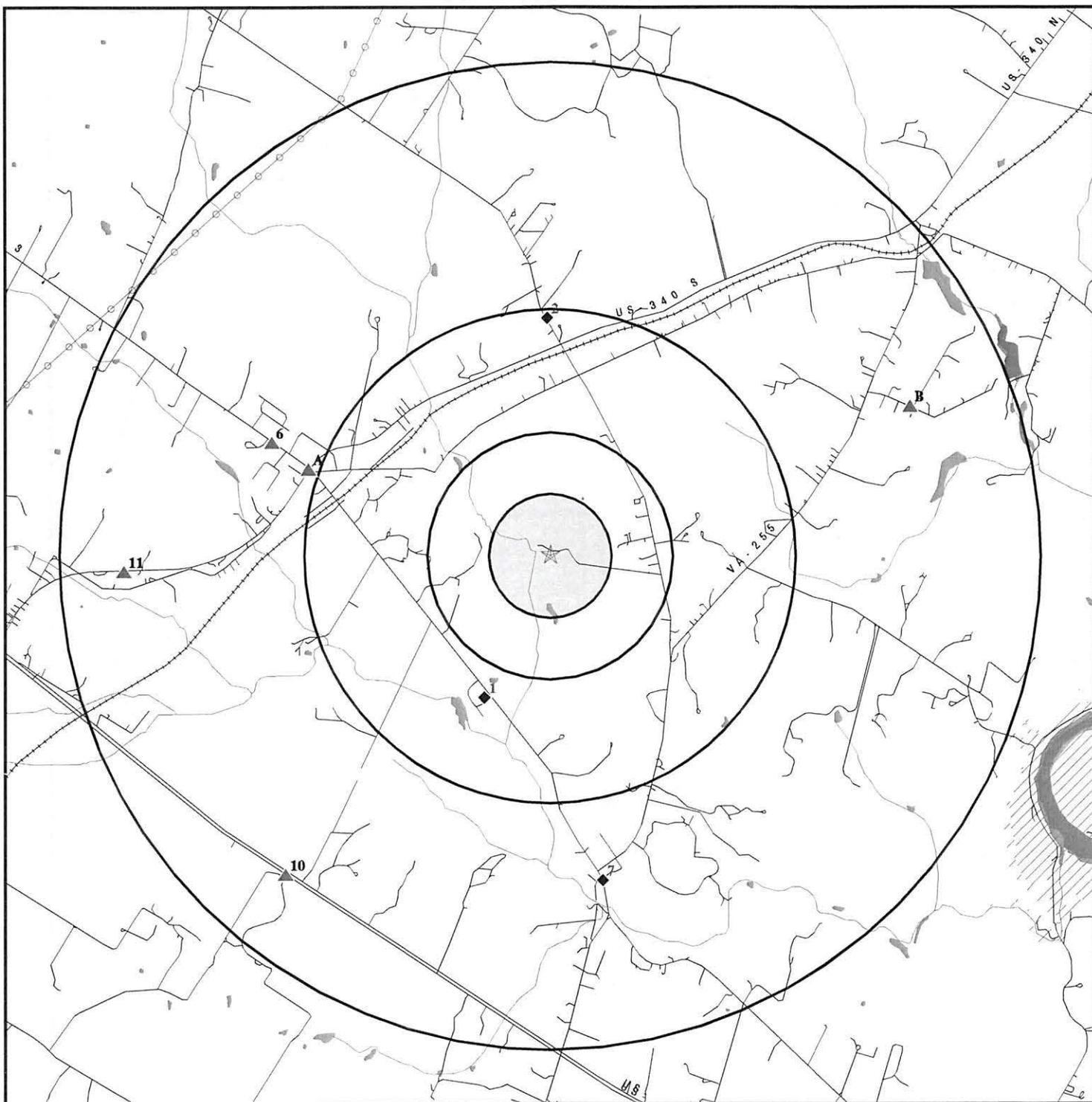
within approximately 2 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BILL'S SERVICE CENTE	8 S GREENWAY AVE	WNW 1 - 2 (1.045 mi.)	A3	16
DOROTHY VANTINE PROP	177 CHAPEL LANE	ENE 1 - 2 (1.588 mi.)	B8	39

## EXECUTIVE SUMMARY

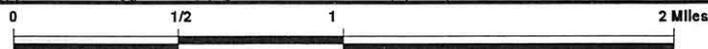
There were no unmapped sites in this report.

# OVERVIEW MAP - 4854007.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- ▨ Indian Reservations BIA
- ⚡ Power transmission lines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory

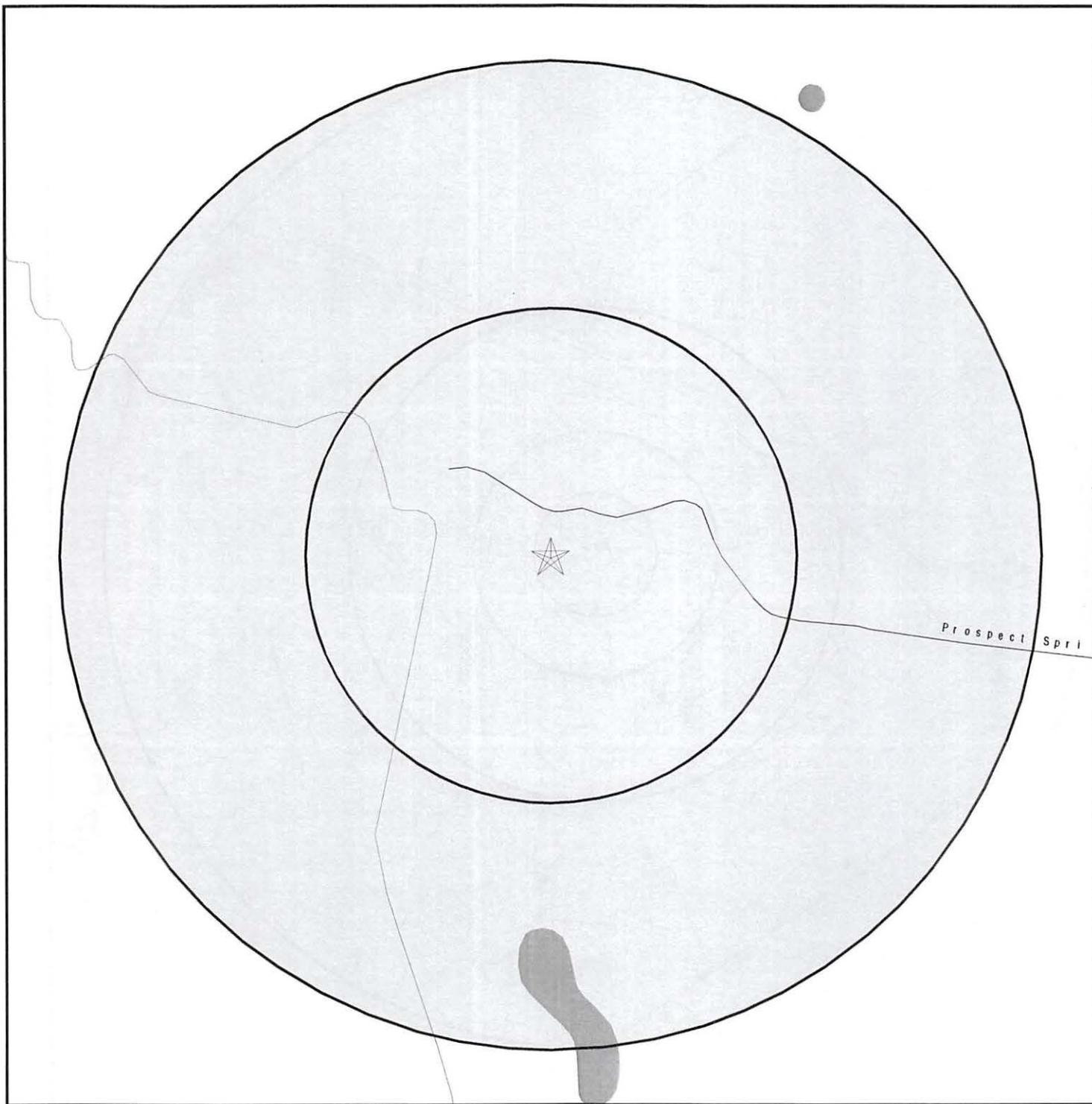


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Clarke County  
 ADDRESS: 101 Chalmers CT  
 Boyce VA 22620  
 LAT/LONG: 39.088206 / 78.041917

CLIENT: Emery & Garrett Groundwater  
 CONTACT: Mark Wingsted  
 INQUIRY #: 4854007.2s  
 DATE: February 14, 2017 3:59 pm

# DETAIL MAP - 4854007.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▨ National Priority List Sites
- ▩ Dept. Defense Sites

0      1/16      1/8      1/4 Miles

- ▨ Indian Reservations BIA
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory

N

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: Clarke County  
 ADDRESS: 101 Chalmers CT  
 Boyce VA 22620  
 LAT/LONG: 39.088206 / 78.041917

CLIENT: Emery & Garrett Groundwater  
 CONTACT: Mark Wingsted  
 INQUIRY #: 4854007.2s  
 DATE: February 14, 2017 4:02 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
<b><u>STANDARD ENVIRONMENTAL RECORDS</u></b>								
<b><i>Federal NPL site list</i></b>								
NPL	2.000		0	0	0	0	0	0
Proposed NPL	2.000		0	0	0	0	0	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	2.000		0	0	0	0	0	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	2.000		0	0	0	0	0	0
SEMS	2.000		0	0	0	0	0	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	2.000		0	0	0	0	0	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	2.000		0	0	0	0	0	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	2.000		0	0	0	0	0	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	2.000		0	0	0	0	0	0
RCRA-SQG	2.000		0	0	0	0	0	0
RCRA-CESQG	2.000		0	0	0	0	0	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	2.000		0	0	0	0	0	0
US ENG CONTROLS	2.000		0	0	0	0	0	0
US INST CONTROL	2.000		0	0	0	0	0	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	2.000		0	0	0	0	0	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	2.000		0	0	0	0	2	2
INDIAN LUST	2.000		0	0	0	0	0	0
LTANKS	2.000		0	0	0	0	1	1
<b><i>State and tribal registered storage tank lists</i></b>								
FEMA UST	2.000		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
UST	2.000		0	0	0	2	4	6
AST	2.000		0	0	0	1	0	1
INDIAN UST	2.000		0	0	0	0	0	0
<b>State and tribal institutional control / engineering control registries</b>								
ENG CONTROLS	2.000		0	0	0	0	0	0
INST CONTROL	2.000		0	0	0	0	0	0
<b>State and tribal voluntary cleanup sites</b>								
VCP	2.000		0	0	0	0	0	0
INDIAN VCP	2.000		0	0	0	0	0	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	2.000		0	0	0	0	0	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	2.000		0	0	0	0	0	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
INDIAN ODI	2.000		0	0	0	0	0	0
ODI	2.000		0	0	0	0	0	0
DEBRIS REGION 9	2.000		0	0	0	0	0	0
IHS OPEN DUMPS	2.000		0	0	0	0	0	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	2.000		0	0	0	0	0	0
FUDS	2.000		0	0	0	0	0	0
DOD	2.000		0	0	0	0	0	0
SCRD DRYCLEANERS	2.000		0	0	0	0	0	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	2.000		0	0	0	0	0	0
TSCA	TP		NR	NR	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
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	2.000		0	0	0	0	0	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	2.000		0	0	0	0	0	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	2.000		0	0	0	0	0	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	2.000		0	0	0	0	0	0
UMTRA	2.000		0	0	0	0	0	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	2.000		0	0	0	0	0	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	2.000		0	0	0	0	0	0
DOCKET HWC	2.000		0	0	0	0	0	0
AIRS	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
COAL ASH	2.000		0	0	0	0	0	0
DRYCLEANERS	2.000		0	0	0	0	0	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
ABANDONED MINES	0.500		0	0	0	NR	NR	0
FUELS PROGRAM	2.000		0	0	0	0	0	0
ECHO	TP		NR	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR MGP	2.000		0	0	0	0	0	0
EDR Hist Auto	2.000		0	0	0	0	1	1
EDR Hist Cleaner	2.000		0	0	0	0	0	0

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

RGA LF	2.000		0	0	0	0	0	0
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## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
RGA LUST	2.000		0	0	0	0	2	2
- Totals --		0	0	0	0	3	10	13

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

1  
SSW  
1/2-1  
0.633 mi.  
3340 ft.

THE POWHATAN SCHOOL  
49 POWHATAN LN  
BOYCE, VA 22620

UST U003693938  
N/A

Relative:  
Lower

Facility:

Facility Id: 6007812  
Facility Type: COMMERCIAL  
CEDS Facility ID: 2E+11

Actual:  
544 ft.

Owner:

Owner Id: 36611  
Owner Name: THE POWHATAN SCHOOL  
Owner Address: RT. 2A BOX 177A  
Owner Address2: CLARKE  
Owner City, State, Zip: BOYCE, VA 22620  
Owner Type: COMMERCIAL  
Number of Active AST: 0  
Number of Active UST: 0  
Number of Inactive AST: 0  
Number of Inactive UST: 1

UST:

Facility ID: 6007812  
Federally Regulated: Yes

Tank Number: R1  
Tank Capacity: 500  
Tank Contents: GASOLINE  
Tank Status: REM FROM GRD  
Tank Type: UST

Tank Material:

Install Date: 12/31/1941  
Tank Materials: Bare Steel Yes  
Tank Materials: Cath Protect Steel No  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite No  
Tank Materials: Double Walled No  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge No  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

THE POWHATAN SCHOOL (Continued)

U003693938

Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	Yes
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

2  
North  
1/2-1  
0.965 mi.  
5096 ft.

GEODRILL, INC  
164 PYLETOWN RD  
BOYCE, VA 22620

UST U003693208  
AST N/A

Relative:  
Lower

Facility:  
Facility Id: 6001804  
Facility Type: CONTRACTOR  
CEDs Facility ID: 2E+11  
Owner:  
Owner Id: 30079  
Owner Name: GEODRILL, INC  
Owner Address: RT 1, BOX 62-A  
Owner Address2: Not reported  
Owner City, State, Zip: BOYCE, VA 22620  
Owner Type: COMMERCIAL  
Number of Active AST: 2  
Number of Active UST: 0  
Number of Inactive AST: 0  
Number of Inactive UST: 3

Actual:  
565 ft.

UST:  
Facility ID: 6001804  
Federally Regulated: Yes  
Tank Number: R1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GEODRILL, INC (Continued)**

**U003693208**

Tank Capacity: 8000  
Tank Contents: GASOLINE  
**Tank Status: REM FROM GRD**  
Tank Type: UST

Tank Material:  
Install Date: 3/28/1979  
Tank Materials: Bare Steel Yes  
Tank Materials: Cath Protect Steel No  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite No  
Tank Materials: Double Walled No  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:  
Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge No  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install No  
Tank Release Detection: Overfill Install No  
Tank Release Detection: Groundwater No  
Tank Release Detection: Int Sec Containment No  
Tank Release Detection: Int Double Walled No  
Tank Release Detection: Other Method No  
Tank Release Detection: Other Note Not reported  
Pipe Release Detection: Leak Deferred Not reported  
Pipe Release Detection: Autoleak Not reported  
Pipe Release Detection: Line Tightness No  
Pipe Release Detection: Stat Invent Recon No  
Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No  
Pipe Release Det: Interior Double Walled No  
Pipe Release Detection: Other Method No  
Pipe Release Detection: Other Note Not reported

Pipe Type: VALVE: SUCTION  
Pipe Materials: Bare Steel No  
Pipe Materials: Galvanized Steel Yes  
Pipe Materials: Copper No  
Pipe Materials: Fiberglass No  
Pipe Materials: Cath Protect No  
Pipe Materials: Double Walled No  
Pipe Materials: Sec Containment No  
Pipe Materials: Repaired No  
Pipe Materials: Unknown No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GEODRILL, INC (Continued)**

**U003693208**

Pipe Materials: Other No  
Pipe Materials: Other Note Not reported

Facility ID: 6001804  
Federally Regulated: Yes

Tank Number: R2  
Tank Capacity: 4000  
Tank Contents: GASOLINE  
**Tank Status: REM FROM GRD**  
Tank Type: UST

Tank Material:  
Install Date: 3/27/1981  
Tank Materials: Bare Steel Yes  
Tank Materials: Cath Protect Steel No  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite No  
Tank Materials: Double Walled No  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:  
Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge No  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install No  
Tank Release Detection: Overfill Install No  
Tank Release Detection: Groundwater No  
Tank Release Detection: Int Sec Containment No  
Tank Release Detection: Int Double Walled No  
Tank Release Detection: Other Method No  
Tank Release Detection: Other Note Not reported  
Pipe Release Detection: Leak Deferred Not reported  
Pipe Release Detection: Autoleak Not reported  
Pipe Release Detection: Line Tightness No  
Pipe Release Detection: Stat Invent Recon No  
Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No  
Pipe Release Det: Interior Double Walled No  
Pipe Release Detection: Other Method No  
Pipe Release Detection: Other Note Not reported

Pipe Type: VALVE: SUCTION  
Pipe Materials: Bare Steel No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GEODRILL, INC (Continued)

U003693208

Pipe Materials: Galvanized Steel Yes  
Pipe Materials: Copper No  
Pipe Materials: Fiberglass No  
Pipe Materials: Cath Protect No  
Pipe Materials: Double Walled No  
Pipe Materials: Sec Containment No  
Pipe Materials: Repaired No  
Pipe Materials: Unknown No  
Pipe Materials: Other No  
Pipe Materials: Other Note Not reported

Facility ID: 6001804  
Federally Regulated: Yes

Tank Number: R3  
Tank Capacity: 5200  
Tank Contents: DIESEL  
**Tank Status: REM FROM GRD**  
Tank Type: UST

Tank Material:  
Install Date: 3/27/1981  
Tank Materials: Bare Steel Yes  
Tank Materials: Cath Protect Steel No  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite No  
Tank Materials: Double Walled No  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:  
Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge No  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install No  
Tank Release Detection: Overfill Install No  
Tank Release Detection: Groundwater No  
Tank Release Detection: Int Sec Containment No  
Tank Release Detection: Int Double Walled No  
Tank Release Detection: Other Method No  
Tank Release Detection: Other Note Not reported  
Pipe Release Detection: Leak Deferred Not reported  
Pipe Release Detection: Autoleak Not reported  
Pipe Release Detection: Line Tightness No  
Pipe Release Detection: Stat Invent Recon No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GEODRILL, INC (Continued)**

**U003693208**

Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No  
Pipe Release Det: Interior Double Walled No  
Pipe Release Detection: Other Method No  
Pipe Release Detection: Other Note Not reported

Pipe Type: VALVE: SUCTION  
Pipe Materials: Bare Steel No  
Pipe Materials: Galvanized Steel Yes  
Pipe Materials: Copper No  
Pipe Materials: Fiberglass No  
Pipe Materials: Cath Protect No  
Pipe Materials: Double Walled No  
Pipe Materials: Sec Containment No  
Pipe Materials: Repaired No  
Pipe Materials: Unknown No  
Pipe Materials: Other No  
Pipe Materials: Other Note Not reported

**AST:**

Facility ID: 6001804  
Facility Type: CONTRACTOR  
CEDs Facility ID: 2E+11

**Tank Info:**

**Owner:**

Owner Id: 30079  
Owner Name: "GEODRILL, INC"  
Owner Address: "RT 1, BOX 62-A"  
Owner Address2: Not reported  
Owner City/State/Zip: BOYCE, VA 22620  
Owner Type: COMMERCIAL  
Number of Active AST: 2  
Number of Active UST: 0  
Number of Inactive AST: 0  
Number of Inactive UST: 3

Fed Regulated: No  
Tank Number: 765420  
Tank Type: AST  
Tank Capacity: 2000  
Tank Contents: GASOLINE  
Tank Status: CURR IN USE

**Tank Containment:**

Install Date: 7/29/1997  
Containment: Curbing No  
Containment: Weirs No  
Containment: Sorbent Yes  
Containment: Culvert No  
Containment: Diversion No  
Containment: Retention No  
Containment: Dike Yes  
Containment: Unknown No  
Containment: Other No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GEODRILL, INC (Continued)

U003693208

Containment: Other Note	Not reported
Release Detection:	
Release Detection: Ground Water	No
Release Detection: Visual	Yes
Release Detection: Vapor	Yes
Release Detection: Interstitial	No
Release Detection: None	No
Release Detection: Other	No
Release Detection: Other Note	Not reported
Release Prevention: Double Bottom	No
Release Prevention: Double Walled	Yes
Release Prevention: Lined Interior	Not reported
Release Prevention: Poly Jacket	No
Release Prevention: Exc Liner	No
Release Prevention: None	No
Release Prevention: Unknown	No
Release Prevention: Other	No
Release Prevention: Other Note	Not reported
Tank Foundation: Steel	No
Tank Foundation: Earthen	No
Tank Foundation: Concrete Imp	No
Tank Foundation: Unknown	No
Tank Foundation: Other	Yes
Tank Foundation: Other Note	Not reported
Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldeck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	No
Tank Roof: Other Note	Not reported
Tank Material:	
Tank Materials: Bare Steel	No
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GEODRILL, INC (Continued)

U003693208

Owner:

Owner Id: 30079  
Owner Name: "GEODRILL, INC"  
Owner Address: "RT 1, BOX 62-A"  
Owner Address2: Not reported  
Owner City/State/Zip: BOYCE, VA 22620  
Owner Type: COMMERCIAL  
Number of Active AST: 2  
Number of Active UST: 0  
Number of Inactive AST: 0  
Number of Inactive UST: 3

Fed Regulated: No  
Tank Number: 765421  
Tank Type: AST  
Tank Capacity: 3000  
Tank Contents: DIESEL  
Tank Status: CURR IN USE

Tank Containment:

Install Date: 7/29/1997  
Containment: Curbing No  
Containment: Weirs No  
Containment: Sorbent Yes  
Containment: Culvert No  
Containment: Diversion No  
Containment: Retention No  
Containment: Dike Yes  
Containment: Unknown No  
Containment: Other No  
Containment: Other Note Not reported

Release Detection:

Release Detection: Ground Water No  
Release Detection: Visual Yes  
Release Detection: Vapor Yes  
Release Detection: Interstitial No  
Release Detection: None No  
Release Detection: Other No  
Release Detection: Other Note Not reported  
Release Prevention: Double Bottom No  
Release Prevention: Double Walled Yes  
Release Prevention: Lined Interior Not reported  
Release Prevention: Poly Jacket No  
Release Prevention: Exc Liner No  
Release Prevention: None No  
Release Prevention: Unknown No  
Release Prevention: Other No  
Release Prevention: Other Note Not reported

Tank Foundation: Steel No  
Tank Foundation: Earthen No  
Tank Foundation: Concrete Imp No  
Tank Foundation: Unknown No  
Tank Foundation: Other Yes  
Tank Foundation: Other Note Not reported  
Tank Roof: Float No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GEODRILL, INC (Continued)**

**U003693208**

Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldeck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	No
Tank Roof: Other Note	Not reported

Tank Material:

Tank Materials: Bare Steel	No
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

**A3**  
**WNW**  
 > 1  
 1.045 mi.  
 5515 ft.

**BILL'S SERVICE CENTER**  
**8 S GREENWAY AVE**  
**BOYCE, VA**

**RGA LUST** **S115955456**  
**N/A**

Site 1 of 3 in cluster A

Relative:  
 Higher

RGA LUST:

2010	BILL'S SERVICE CENTER	8 S GREENWAY AVE
2009	BILL'S SERVICE CENTER	8 S GREENWAY AVE
2008	BILL'S SERVICE CENTER	8 S GREENWAY AVE

Actual:  
 596 ft.

**A4**  
**WNW**  
 > 1  
 1.045 mi.  
 5515 ft.

**BILL'S SERVICE CENTER**  
**8 S GREENWAY AVE**  
**BOYCE, VA 22620**

**LUST** **S105986256**  
**LTANKS** **N/A**

Site 2 of 3 in cluster A

Relative:  
 Higher

LUST REG VA:

Region:	Valley
Facility Status:	Closed
Release Status:	Confirmed
Pollution Complaint #:	19900538
Program:	RP Lead
Contact Name:	John D. Glover & Sons, Inc

Actual:  
 596 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BILL'S SERVICE CENTER (Continued)**

**S105986256**

Contact Address: P.O. Box 2761  
 Contact City: Winchester  
 Contact State: VA  
 Contact Zip: Not reported  
 Contact Telephone: 5406671440

**LTANKS:**

Region: VRO  
 CEDS Facility Id: 200000068224  
**Case Status: Closed**  
 Pollution Complaint #: 19900538  
 Reported: 10/30/1989

**A5**  
**WNW**  
 > 1  
 1.045 mi.  
 5515 ft.

**BOYCE SERVICE CENTER**  
**8 S GREENWAY AVE**  
**BOYCE, VA 22620**  
 Site 3 of 3 in cluster A

**UST** **U003693213**  
**Financial Assurance** **N/A**

**Relative:**  
**Higher**

**Facility:**  
 Facility Id: 6001814  
 Facility Type: GAS STATION  
 CEDS Facility ID: 2E+11

**Actual:**  
**596 ft.**

**Owner:**  
 Owner Id: 42717  
 Owner Name: BANDET, LLC  
 Owner Address: 1815 Bishop Meade Rd  
 Owner Address2: Not reported  
 Owner City, State, Zip: Boyce, VA 22620  
 Owner Type: PRIVATE  
 Number of Active AST: 0  
 Number of Active UST: 4  
 Number of Inactive AST: 0  
 Number of Inactive UST: 10

**Owner Id:** 29053  
**Owner Name:** John D. Glover & Sons Inc  
**Owner Address:** 1008 Martinsburg Pike  
**Owner Address2:** PO Box 2761  
**Owner City, State, Zip:** Winchester, VA 22603  
**Owner Type:** COMMERCIAL  
 Number of Active AST: 0  
 Number of Active UST: 4  
 Number of Inactive AST: 0  
 Number of Inactive UST: 10

**Owner Id:** 44339  
**Owner Name:** Boyce Liberty Tanks 359 LLC  
**Owner Address:** 5534 N Main St  
**Owner Address2:** Not reported  
**Owner City, State, Zip:** Mount Jackson, VA 22842  
**Owner Type:** COMMERCIAL  
 Number of Active AST: 0  
 Number of Active UST: 4  
 Number of Inactive AST: 0  
 Number of Inactive UST: 10

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

BOYCE SERVICE CENTER (Continued)

U003693213

UST:

Facility ID: 6001814  
Federally Regulated: Yes  
  
Tank Number: 1  
Tank Capacity: 10000  
Tank Contents: GASOLINE  
**Tank Status: CURR IN USE**  
Tank Type: UST

Tank Material:

Install Date: 3/20/2006  
Tank Materials: Bare Steel No  
Tank Materials: Cath Protect Steel No  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite Yes  
Tank Materials: Double Walled Yes  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge Yes  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install Yes  
Tank Release Detection: Overfill Install Yes  
Tank Release Detection: Groundwater No  
Tank Release Detection: Int Sec Containment No  
Tank Release Detection: Int Double Walled No  
Tank Release Detection: Other Method No  
Tank Release Detection: Other Note Not reported  
Pipe Release Detection: Leak Deferred No  
Pipe Release Detection: Autoleak Not reported  
Pipe Release Detection: Line Tightness No  
Pipe Release Detection: Stat Invent Recon No  
Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No  
Pipe Release Det: Interior Double Walled No  
Pipe Release Detection: Other Method Yes  
Pipe Release Detection: Other Note ATG; Automatic Shutoff

Pipe Type:

PIPE PRESSURE  
Pipe Materials: Bare Steel No  
Pipe Materials: Galvanized Steel No  
Pipe Materials: Copper No  
Pipe Materials: Fiberglass No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Pipe Materials: Cath Protect No  
Pipe Materials: Double Walled Yes  
Pipe Materials: Sec Containment No  
Pipe Materials: Repaired No  
Pipe Materials: Unknown No  
Pipe Materials: Other Yes  
Pipe Materials: Other Note Polyflexible

Facility ID: 6001814  
Federally Regulated: Yes

Tank Number: 2  
Tank Capacity: 4000  
Tank Contents: GASOLINE  
**Tank Status: CURR IN USE**  
Tank Type: UST

Tank Material:  
Install Date: 3/20/2006  
Tank Materials: Bare Steel No  
Tank Materials: Cath Protect Steel No  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite Yes  
Tank Materials: Double Walled Yes  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:  
Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge Yes  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install Yes  
Tank Release Detection: Overfill Install Yes  
Tank Release Detection: Groundwater No  
Tank Release Detection: Int Sec Containment No  
Tank Release Detection: Int Double Walled No  
Tank Release Detection: Other Method No  
Tank Release Detection: Other Note Not reported  
Pipe Release Detection: Leak Deferred No  
Pipe Release Detection: Autoleak Not reported  
Pipe Release Detection: Line Tightness No  
Pipe Release Detection: Stat Invent Recon No  
Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No  
Pipe Release Det: Interior Double Walled No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
 EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Pipe Release Detection: Other Method Yes  
 Pipe Release Detection: Other Note ATG; Automatic Shutoff

Pipe Type: PRESSURE  
 Pipe Materials: Bare Steel No  
 Pipe Materials: Galvanized Steel No  
 Pipe Materials: Copper No  
 Pipe Materials: Fiberglass No  
 Pipe Materials: Cath Protect No  
 Pipe Materials: Double Walled Yes  
 Pipe Materials: Sec Containment No  
 Pipe Materials: Repaired No  
 Pipe Materials: Unknown No  
 Pipe Materials: Other Yes  
 Pipe Materials: Other Note Polyflexible

Facility ID: 6001814  
 Federally Regulated: Yes

Tank Number: 3  
 Tank Capacity: 4000  
 Tank Contents: DIESEL  
**Tank Status: CURR IN USE**  
 Tank Type: UST

Tank Material:  
 Install Date: 3/20/2006  
 Tank Materials: Bare Steel No  
 Tank Materials: Cath Protect Steel No  
 Tank Materials: Epoxy Steel No  
 Tank Materials: Fiberglass No  
 Tank Materials: Concrete No  
 Tank Materials: Composite Yes  
 Tank Materials: Double Walled Yes  
 Tank Materials: Lined Interior No  
 Tank Materials: Excav Liner No  
 Tank Materials: Insulated Tank Jacket No  
 Tank Materials: Repaired No  
 Tank Materials: Unknown No  
 Tank Materials: Other No  
 Tank Materials: Other Note Not reported

Release Detection:  
 Tank Release Detection: Leak Deferred No  
 Tank Release Detection: Manual Gauge No  
 Tank Release Detection: Auto Gauge Yes  
 Tank Release Detection: Tank Tightness No  
 Tank Release Detection: Vapor Monitor No  
 Tank Release Detection: Inventory No  
 Tank Release Detection: Stat Invent Recon No  
 Tank Release Detection: Spill Install Yes  
 Tank Release Detection: Overfill Install Yes  
 Tank Release Detection: Groundwater No  
 Tank Release Detection: Int Sec Containment No  
 Tank Release Detection: Int Double Walled No  
 Tank Release Detection: Other Method No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Tank Release Detection: Other Note Not reported  
Pipe Release Detection: Leak Deferred No  
Pipe Release Detection: Autoleak Not reported  
Pipe Release Detection: Line Tightness No  
Pipe Release Detection: Stat Invent Recon No  
Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No  
Pipe Release Det: Interior Double Walled No  
Pipe Release Detection: Other Method Yes  
Pipe Release Detection: Other Note ATG; Automatic Shutoff

Pipe Type: PRESSURE  
Pipe Materials: Bare Steel No  
Pipe Materials: Galvanized Steel No  
Pipe Materials: Copper No  
Pipe Materials: Fiberglass No  
Pipe Materials: Cath Protect No  
Pipe Materials: Double Walled Yes  
Pipe Materials: Sec Containment No  
Pipe Materials: Repaired No  
Pipe Materials: Unknown No  
Pipe Materials: Other Yes  
Pipe Materials: Other Note Polyflexible

Facility ID: 6001814  
Federally Regulated: Yes

Tank Number: 4  
Tank Capacity: 2500  
Tank Contents: KEROSENE  
**Tank Status: CURR IN USE**  
Tank Type: UST

Tank Material:  
Install Date: 3/20/2006  
Tank Materials: Bare Steel No  
Tank Materials: Cath Protect Steel No  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite Yes  
Tank Materials: Double Walled Yes  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:  
Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge Yes  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	No
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	Yes
Pipe Release Detection: Other Note	ATG; Automatic Shutoff

Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	Yes
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	Yes
Pipe Materials: Other Note	Polyflexible

Facility ID:	6001814
Federally Regulated:	Yes

Tank Number:	R1
Tank Capacity:	2000
Tank Contents:	GASOLINE
<b>Tank Status:</b>	<b>REM FROM GRD</b>
Tank Type:	UST

Tank Material:	
Install Date:	3/7/1958
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:

6001814

Federally Regulated:

Yes

Tank Number:

R2

Tank Capacity:

2000

Tank Contents:

GASOLINE

**Tank Status:**

**REM FROM GRD**

Tank Type:

UST

Tank Material:

Install Date:	3/7/1954
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	6001814
Federally Regulated:	Yes

Tank Number:	R3
Tank Capacity:	1000
Tank Contents:	DIESEL
<b>Tank Status:</b>	<b>REM FROM GRD</b>
Tank Type:	UST

Tank Material:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Install Date:	3/7/1984
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	6001814
Federally Regulated:	Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Tank Number:	R4
Tank Capacity:	1000
Tank Contents:	GASOLINE
<b>Tank Status:</b>	<b>REM FROM GRD</b>
Tank Type:	UST
Tank Material:	
Install Date:	3/7/1954
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	
Pipe Materials: Bare Steel	UNKNOWN
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	Yes
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Pipe Materials: Unknown No  
Pipe Materials: Other No  
Pipe Materials: Other Note Not reported

Facility ID: 6001814  
Federally Regulated: Yes

Tank Number: R5  
Tank Capacity: 550  
Tank Contents: KEROSENE  
**Tank Status: REM FROM GRD**  
Tank Type: UST

Tank Material:  
Install Date: 3/7/1954  
Tank Materials: Bare Steel Yes  
Tank Materials: Cath Protect Steel No  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite No  
Tank Materials: Double Walled No  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:  
Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge No  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install No  
Tank Release Detection: Overfill Install No  
Tank Release Detection: Groundwater No  
Tank Release Detection: Int Sec Containment No  
Tank Release Detection: Int Double Walled No  
Tank Release Detection: Other Method No  
Tank Release Detection: Other Note Not reported  
Pipe Release Detection: Leak Deferred Not reported  
Pipe Release Detection: Autoleak Not reported  
Pipe Release Detection: Line Tightness No  
Pipe Release Detection: Stat Invent Recon No  
Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No  
Pipe Release Det: Interior Double Walled No  
Pipe Release Detection: Other Method No  
Pipe Release Detection: Other Note Not reported

Pipe Type: UNKNOWN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	6001814
Federally Regulated:	Yes

Tank Number:	RA1
Tank Capacity:	4000
Tank Contents:	GASOLINE
<b>Tank Status:</b>	<b>REM FROM GRD</b>
Tank Type:	UST

Tank Material:	
Install Date:	12/6/1989
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	Yes
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

U003693213

Pipe Release Detection: Stat Invent Recon No  
Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No  
Pipe Release Det: Interior Double Walled No  
Pipe Release Detection: Other Method No  
Pipe Release Detection: Other Note Not reported

Pipe Type: NO VALVE: SUCTION  
Pipe Materials: Bare Steel No  
Pipe Materials: Galvanized Steel No  
Pipe Materials: Copper No  
Pipe Materials: Fiberglass Yes  
Pipe Materials: Cath Protect No  
Pipe Materials: Double Walled No  
Pipe Materials: Sec Containment No  
Pipe Materials: Repaired No  
Pipe Materials: Unknown No  
Pipe Materials: Other No  
Pipe Materials: Other Note Not reported

Facility ID: 6001814  
Federally Regulated: Yes

Tank Number: RA2  
Tank Capacity: 4000  
Tank Contents: GASOLINE  
**Tank Status: REM FROM GRD**  
Tank Type: UST

Tank Material:  
Install Date: 12/6/1989  
Tank Materials: Bare Steel No  
Tank Materials: Cath Protect Steel Yes  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite No  
Tank Materials: Double Walled No  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:  
Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge Yes  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install Yes  
Tank Release Detection: Overfill Install Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	6001814
Federally Regulated:	Yes
Tank Number:	RA3
Tank Capacity:	4000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	12/6/1989
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	Yes
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	6001814
Federally Regulated:	Yes
Tank Number:	RA4
Tank Capacity:	1000
Tank Contents:	DIESEL
<b>Tank Status:</b>	<b>REM FROM GRD</b>
Tank Type:	UST
Tank Material:	
Install Date:	12/26/1989
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	Yes
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

BOYCE SERVICE CENTER (Continued)

U003693213

Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge Yes  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install Yes  
Tank Release Detection: Overfill Install Yes  
Tank Release Detection: Groundwater No  
Tank Release Detection: Int Sec Containment No  
Tank Release Detection: Int Double Walled No  
Tank Release Detection: Other Method No  
Tank Release Detection: Other Note Not reported  
Pipe Release Detection: Leak Deferred Not reported  
Pipe Release Detection: Autoleak Not reported  
Pipe Release Detection: Line Tightness Yes  
Pipe Release Detection: Stat Invent Recon No  
Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No  
Pipe Release Det: Interior Double Walled No  
Pipe Release Detection: Other Method No  
Pipe Release Detection: Other Note Not reported

Pipe Type: NO VALVE: SUCTION  
Pipe Materials: Bare Steel No  
Pipe Materials: Galvanized Steel No  
Pipe Materials: Copper No  
Pipe Materials: Fiberglass Yes  
Pipe Materials: Cath Protect No  
Pipe Materials: Double Walled No  
Pipe Materials: Sec Containment No  
Pipe Materials: Repaired No  
Pipe Materials: Unknown No  
Pipe Materials: Other No  
Pipe Materials: Other Note Not reported

Facility ID: 6001814  
Federally Regulated: Yes

Tank Number: RA5  
Tank Capacity: 1000  
Tank Contents: KEROSENE  
**Tank Status: REM FROM GRD**  
Tank Type: UST

Tank Material:  
Install Date: 12/26/1989  
Tank Materials: Bare Steel No  
Tank Materials: Cath Protect Steel Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:

Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

VA Financial Assurance 1:

Facility ID:	6001814
Owner Name:	Boyce Liberty Tanks 359 LLC
ROF Own Id:	44339

Map ID  
Direction  
Distance  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BOYCE SERVICE CENTER (Continued)**

**U003693213**

Tank Type: UST  
Mechanism: Not reported  
Gallonage: Not reported  
Per Occurrence: Not reported  
Third Party: Not reported  
Annual Aggregate: Not reported  
In Compliance: Not reported  
Total Capacity: 10000  
CEDS Facility Name: Boyce Service Center  
Tank Status: CURR IN USE  
Active Federally Regualted UST: Y

Facility ID: 6001814  
Owner Name: Boyce Liberty Tanks 359 LLC  
ROF Own Id: 44339  
Tank Type: UST  
Mechanism: Not reported  
Gallonage: Not reported  
Per Occurrence: Not reported  
Third Party: Not reported  
Annual Aggregate: Not reported  
In Compliance: Not reported  
Total Capacity: 4000  
CEDS Facility Name: Boyce Service Center  
Tank Status: CURR IN USE  
Active Federally Regualted UST: Y

Facility ID: 6001814  
Owner Name: Boyce Liberty Tanks 359 LLC  
ROF Own Id: 44339  
Tank Type: UST  
Mechanism: Not reported  
Gallonage: Not reported  
Per Occurrence: Not reported  
Third Party: Not reported  
Annual Aggregate: Not reported  
In Compliance: Not reported  
Total Capacity: 4000  
CEDS Facility Name: Boyce Service Center  
Tank Status: CURR IN USE  
Active Federally Regualted UST: Y

Facility ID: 6001814  
Owner Name: Boyce Liberty Tanks 359 LLC  
ROF Own Id: 44339  
Tank Type: UST  
Mechanism: Not reported  
Gallonage: Not reported  
Per Occurrence: Not reported  
Third Party: Not reported  
Annual Aggregate: Not reported  
In Compliance: Not reported  
Total Capacity: 2500  
CEDS Facility Name: Boyce Service Center  
Tank Status: CURR IN USE  
Active Federally Regualted UST: Y

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

6  
WNW  
> 1  
1.223 mi.  
6455 ft.

**BOYCE ELEMENTARY SCHOOL**  
119 W MAIN ST  
BOYCE, VA 22620

UST 1004607975  
N/A

Relative:  
Higher

Facility:

Facility Id: 6020063  
Facility Type: LOCAL  
CEDS Facility ID: 2E+11

Actual:  
591 ft.

Owner:

Owner Id: 37323  
Owner Name: Clarke County Board of Supervisors  
Owner Address: 102 N Church St  
Owner Address2: Not reported  
Owner City, State, Zip: Berryville, VA 22611  
Owner Type: LOCAL  
Number of Active AST: 0  
Number of Active UST: 0  
Number of Inactive AST: 0  
Number of Inactive UST: 1

UST:

Facility ID: 6020063  
Federally Regulated: Yes

Tank Number: R1  
Tank Capacity: 1000  
Tank Contents: GASOLINE  
**Tank Status: REM FROM GRD**  
Tank Type: UST

Tank Material:

Install Date: 5/10/1971  
Tank Materials: Bare Steel Yes  
Tank Materials: Cath Protect Steel No  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite No  
Tank Materials: Double Walled No  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge No  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOYCE ELEMENTARY SCHOOL (Continued)**

**1004607975**

Tank Release Detection: Overfill Install No  
Tank Release Detection: Groundwater No  
Tank Release Detection: Int Sec Containment No  
Tank Release Detection: Int Double Walled No  
Tank Release Detection: Other Method No  
Tank Release Detection: Other Note Not reported  
Pipe Release Detection: Leak Deferred Not reported  
Pipe Release Detection: Autoleak Not reported  
Pipe Release Detection: Line Tightness No  
Pipe Release Detection: Stat Invent Recon No  
Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No  
Pipe Release Det: Interior Double Walled No  
Pipe Release Detection: Other Method No  
Pipe Release Detection: Other Note Not reported

Pipe Type: VALVE: SUCTION  
Pipe Materials: Bare Steel No  
Pipe Materials: Galvanized Steel Yes  
Pipe Materials: Copper No  
Pipe Materials: Fiberglass No  
Pipe Materials: Cath Protect No  
Pipe Materials: Double Walled No  
Pipe Materials: Sec Containment No  
Pipe Materials: Repaired No  
Pipe Materials: Unknown No  
Pipe Materials: Other No  
Pipe Materials: Other Note Not reported

7  
South  
> 1  
1.329 mi.  
7018 ft.

**LOCKE & CO**  
**2049 MILLWOOD RD**  
**MILLWOOD, VA 22646**

**UST U003693598**  
**N/A**

**Relative:**  
**Lower**

Facility:  
Facility Id: 6005165  
Facility Type: COMMERCIAL  
CEDS Facility ID: 2E+11

**Actual:**  
**516 ft.**

Owner:  
Owner Id: 38058  
Owner Name: Quarles Petroleum Incorporated  
Owner Address: 1701 Fall Hill Ave Ste 200  
Owner Address2: Not reported  
Owner City, State, Zip: Fredericksburg, VA 22401  
Owner Type: COMMERCIAL  
Number of Active AST: 0  
Number of Active UST: 0  
Number of Inactive AST: 0  
Number of Inactive UST: 2

UST:  
Facility ID: 6005165  
Federally Regulated: Yes

Tank Number: R1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LOCKE & CO (Continued)

U003693598

Tank Capacity:	550
Tank Contents:	KEROSENE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	4/22/1952
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LOCKE & CO (Continued)**

**U003693598**

Pipe Materials: Other No  
Pipe Materials: Other Note Not reported

Facility ID: 6005165  
Federally Regulated: Yes

Tank Number: R2  
Tank Capacity: 280  
Tank Contents: GASOLINE  
**Tank Status: REM FROM GRD**  
Tank Type: UST

Tank Material:  
Install Date: 4/22/1952  
Tank Materials: Bare Steel Yes  
Tank Materials: Cath Protect Steel No  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite No  
Tank Materials: Double Walled No  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

Release Detection:  
Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge No  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install No  
Tank Release Detection: Overfill Install No  
Tank Release Detection: Groundwater No  
Tank Release Detection: Int Sec Containment No  
Tank Release Detection: Int Double Walled No  
Tank Release Detection: Other Method No  
Tank Release Detection: Other Note Not reported  
Pipe Release Detection: Leak Deferred Not reported  
Pipe Release Detection: Autoleak Not reported  
Pipe Release Detection: Line Tightness No  
Pipe Release Detection: Stat Invent Recon No  
Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No  
Pipe Release Det: Interior Double Walled No  
Pipe Release Detection: Other Method No  
Pipe Release Detection: Other Note Not reported

Pipe Type: UNKNOWN  
Pipe Materials: Bare Steel No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LOCKE & CO (Continued)**

**U003693598**

Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

**B8**  
**ENE**  
**> 1**  
**1.588 mi.**  
**8387 ft.**

**DOROTHY VANTINE PROPERTY**  
**177 CHAPEL LANE**  
**BOYCE, VA**

**RGA LUST** **S115962332**  
**N/A**

**Site 1 of 2 in cluster B**

**Relative:**  
**Higher**

**RGA LUST:**

2010	DOROTHY VANTINE PROPERTY	177 CHAPEL LANE
2009	DOROTHY VANTINE PROPERTY	177 CHAPEL LANE
2008	DOROTHY VANTINE PROPERTY	177 CHAPEL LANE

**Actual:**  
**583 ft.**

**B9**  
**ENE**  
**> 1**  
**1.588 mi.**  
**8387 ft.**

**DOROTHY VANTINE PROPERTY**  
**177 CHAPEL LANE**  
**BOYCE, VA**

**LUST** **S109123065**  
**N/A**

**Site 2 of 2 in cluster B**

**Relative:**  
**Higher**

**LUST REG VA:**

Region:	Valley
<b>Facility Status:</b>	<b>Closed</b>
Release Status:	Suspected
Pollution Complaint #:	20056048
Program:	RP Lead
Contact Name:	Vantine, Dorothy
Contact Address:	177 Chapel Lane
Contact City:	Boyce
Contact State:	VA
Contact Zip:	22620
Contact Telephone:	Not reported

**Actual:**  
**583 ft.**

**10**  
**SW**  
**> 1**  
**1.679 mi.**  
**8867 ft.**

**BLANDY EXPERIMENTAL FARM**  
**400 BLANDY FARM LN**  
**BOYCE, VA 22620**

**UST** **U003695541**  
**N/A**

**Relative:**  
**Higher**

**Facility:**

Facility Id:	6021493
Facility Type:	STATE
CEDS Facility ID:	2E+11

**Actual:**  
**608 ft.**

**Owner:**

Owner Id:	29273
Owner Name:	University of Virginia

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BLANDY EXPERIMENTAL FARM (Continued)**

**U003695541**

Owner Address: 575 Alderman Rd  
Owner Address2: PO Box 400726  
Owner City, State, Zip: Charlottesville, VA 22903  
Owner Type: STATE  
Number of Active AST: 0  
Number of Active UST: 0  
Number of Inactive AST: 0  
Number of Inactive UST: 1

**UST:**

Facility ID: 6021493  
Federally Regulated: Yes

Tank Number: R1  
Tank Capacity: 2000  
Tank Contents: GASOLINE  
Tank Status: **REM FROM GRD**  
Tank Type: UST

**Tank Material:**

Install Date: 7/1/1973  
Tank Materials: Bare Steel Yes  
Tank Materials: Cath Protect Steel No  
Tank Materials: Epoxy Steel No  
Tank Materials: Fiberglass No  
Tank Materials: Concrete No  
Tank Materials: Composite No  
Tank Materials: Double Walled No  
Tank Materials: Lined Interior No  
Tank Materials: Excav Liner No  
Tank Materials: Insulated Tank Jacket No  
Tank Materials: Repaired No  
Tank Materials: Unknown No  
Tank Materials: Other No  
Tank Materials: Other Note Not reported

**Release Detection:**

Tank Release Detection: Leak Deferred No  
Tank Release Detection: Manual Gauge No  
Tank Release Detection: Auto Gauge No  
Tank Release Detection: Tank Tightness No  
Tank Release Detection: Vapor Monitor No  
Tank Release Detection: Inventory No  
Tank Release Detection: Stat Invent Recon No  
Tank Release Detection: Spill Install No  
Tank Release Detection: Overfill Install No  
Tank Release Detection: Groundwater No  
Tank Release Detection: Int Sec Containment No  
Tank Release Detection: Int Double Walled No  
Tank Release Detection: Other Method No  
Tank Release Detection: Other Note Not reported  
Pipe Release Detection: Leak Deferred Not reported  
Pipe Release Detection: Autoleak Not reported  
Pipe Release Detection: Line Tightness No  
Pipe Release Detection: Stat Invent Recon No  
Pipe Release Detection: Groundwater No  
Pipe Release Detection: Int Sec Containment No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BLANDY EXPERIMENTAL FARM (Continued)**

**U003695541**

Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

11  
West  
> 1  
1.738 mi.  
9178 ft.

12005 LORD FAIRFAX HWY  
BOYCE, VA 22620

EDR Hist Auto 1015179727  
N/A

Relative:  
Higher

EDR Historical Auto Stations:

Name:	JONES AUTOMATIVE
Year:	2012
Address:	12005 LORD FAIRFAX HWY

Actual:  
589 ft.

Count: 0 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
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NO SITES FOUND

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 01/05/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/17/2017
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 01/05/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/17/2017
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***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: 12/05/2016	Source: EPA
Date Data Arrived at EDR: 01/05/2017	Telephone: N/A
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 01/05/2017
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/17/2017
	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: 09/14/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/04/2016	Telephone: 703-603-8704
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 01/05/2017
Number of Days to Update: 17	Next Scheduled EDR Contact: 04/17/2017
	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 known 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: 10/10/2016	Source: EPA
Date Data Arrived at EDR: 10/20/2016	Telephone: 800-424-9346
Date Made Active in Reports: 01/06/2017	Last EDR Contact: 01/06/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

### **SEMS-ARCHIVE: Superfund Enterprise Management System Archive**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/10/2016	Source: EPA
Date Data Arrived at EDR: 10/20/2016	Telephone: 800-424-9346
Date Made Active in Reports: 01/06/2017	Last EDR Contact: 01/06/2017
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/01/2017
	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: 12/12/2016	Source: EPA
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-438-2474
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-438-2474
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-438-2474
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	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: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-438-2474
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/28/2016
Number of Days to Update: 44	Next Scheduled EDR Contact: 04/10/2017
	Data Release Frequency: Varies

### *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: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 02/13/2017
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/29/2017
	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: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 11/29/2016
Number of Days to Update: 66	Next Scheduled EDR Contact: 03/13/2017
	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: 11/15/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/29/2016	Telephone: 703-603-0695
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 11/29/2016
Number of Days to Update: 66	Next Scheduled EDR Contact: 03/13/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 09/26/2016  
Date Data Arrived at EDR: 09/29/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 12/28/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Annually

## **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: N/A

Source: Department of Environmental Quality  
Telephone: 804-698-4236  
Last EDR Contact: 12/19/2016  
Next Scheduled EDR Contact: 04/03/2017  
Data Release Frequency: N/A

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

### **SWF/LF: Solid Waste Management Facilities**

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/10/2015  
Date Data Arrived at EDR: 09/11/2015  
Date Made Active in Reports: 11/09/2015  
Number of Days to Update: 59

Source: Department of Environmental Quality  
Telephone: 804-698-4238  
Last EDR Contact: 02/03/2017  
Next Scheduled EDR Contact: 03/20/2017  
Data Release Frequency: Quarterly

## **State and tribal leaking storage tank lists**

### **LUST REG TD: Leaking Underground Storage Tank Sites**

Leaking underground storage tank site locations. Includes: counties of Accomack, Isle of Wight, James City, Northampton, Southampton, York; cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, Williamsburg.

Date of Government Version: 06/30/2013  
Date Data Arrived at EDR: 07/05/2013  
Date Made Active in Reports: 09/16/2013  
Number of Days to Update: 73

Source: Department of Environmental Quality Tidewater Regional Office  
Telephone: trofia@deq.vir  
Last EDR Contact: 09/26/2016  
Next Scheduled EDR Contact: 01/09/2017  
Data Release Frequency: Quarterly

### **LUST REG VA: Leaking Underground Storage Tank List**

Leaking underground storage tank site locations. Includes: counties of Albemarle, Augusta, Bath, Clarke, Fluvanna, Frederick, Greene, Highland, Nelson, Page, Rockbridge, Rockingham, Shenandoah, Warren; cities of Buena Vista, Charlottesville, Harrisonburg, Lexington, Staunton, Waynesboro, Winchester.

Date of Government Version: 12/06/2011  
Date Data Arrived at EDR: 12/08/2011  
Date Made Active in Reports: 01/16/2012  
Number of Days to Update: 39

Source: Department of Environmental Quality Valley Regional Office  
Telephone: 540-574-7800  
Last EDR Contact: 08/29/2016  
Next Scheduled EDR Contact: 12/12/2016  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG PD: Leaking Underground Storage Tank Sites

Leaking underground storage tank site locations. Includes: counties of Amelia, Brunswick, Charles City, Chesterfield, Dinwiddie, Essex, Gloucester, Goochland, Greensville, Hanover, Henrico, King and Queen, King William, Lancaster, Mathews, Middlesex, New Kent, Northumberland, Powhatan, Prince George, Richmond, Surry, Sussex, Westmoreland; cities of Colonial Heights, Emporia, Hopewell, Petersburg.

Date of Government Version: 12/02/2014	Source: Department of Environmental Quality Piedmont Regional Office
Date Data Arrived at EDR: 12/04/2014	Telephone: 804-527-5020
Date Made Active in Reports: 01/16/2015	Last EDR Contact: 08/29/2016
Number of Days to Update: 43	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: Quarterly

## LUST REG NO: Leaking Underground Storage Tank Tracking Database

Leaking underground storage tank site locations. Includes: counties of Arlington, Caroline, Culpeper, Fairfax, Fauquier, King George, Loudoun, Louisa, Madison, Orange, Prince William, Rappahannock, Spotsylvania, Stafford; cities of Alexandria, Fairfax, Falls Church, Fredericksburg, Manassas, Manassas Park.

Date of Government Version: 05/18/2004	Source: Department of Environmental Quality Northern Regional Office
Date Data Arrived at EDR: 05/22/2004	Telephone: 703-583-3800
Date Made Active in Reports: 07/09/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

## LUST REG SW: Leaking Underground Storage Tank Database

Leaking underground storage tank site locations. Includes: counties of Bland, Buchanan, Carroll, Dickenson, Grayson, Lee, Russell, Scott, Smyth, Tazewell, Washington, Wise, Wythe; cities of Bristol, Galax, Norton.

Date of Government Version: 07/15/2013	Source: Department of Environmental Quality Southwest Regional Office
Date Data Arrived at EDR: 07/18/2013	Telephone: 276-676-4800
Date Made Active in Reports: 09/16/2013	Last EDR Contact: 10/11/2016
Number of Days to Update: 60	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: No Update Planned

## LUST REG SC: Leaking Underground Storage Tanks

Leaking underground storage tank site locations. Includes: counties of Amherst, Appomattox, Buckingham, Campbell, Charlotte, Cumberland, Halifax, Lunenburg, Mecklenburg, Nottoway, Pittsylvania, Prince Edward; cities of Danville, Lynchburg.

Date of Government Version: 09/06/2013	Source: Department of Environmental Quality, South Central Region
Date Data Arrived at EDR: 09/06/2013	Telephone: 434-582-5120
Date Made Active in Reports: 09/17/2013	Last EDR Contact: 08/29/2016
Number of Days to Update: 11	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: Semi-Annually

## LUST REG WC: Leaking Underground Storage Tank List

Leaking underground storage tank site locations. Includes: counties of Alleghany, Bedford, Botetourt, Craig, Floyd, Franklin, Giles, Henry, Montgomery, Patrick, Pulaski, Roanoke; cities of Bedford, Clifton Forge, Covington, Martinsville, Radford, Roanoke, Salem.

Date of Government Version: 06/04/2015	Source: Department of Environmental Quality West Central Regional Office
Date Data Arrived at EDR: 06/05/2015	Telephone: 540-562-6700
Date Made Active in Reports: 07/07/2015	Last EDR Contact: 08/29/2016
Number of Days to Update: 32	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: No Update Planned

## 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: 02/17/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 04/27/2016	Telephone: 312-886-7439
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/08/2017
	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: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-8677
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/24/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Semi-Annually

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

Date of Government Version: 12/11/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/19/2016	Telephone: 214-665-6597
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 105	Next Scheduled EDR Contact: 05/08/2017
	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: 10/09/2015	Source: EPA Region 7
Date Data Arrived at EDR: 02/12/2016	Telephone: 913-551-7003
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 112	Next Scheduled EDR Contact: 05/08/2017
	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: 10/13/2015	Source: EPA Region 8
Date Data Arrived at EDR: 10/23/2015	Telephone: 303-312-6271
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 118	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

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: 02/25/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3372
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

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

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LTANKS: Leaking Petroleum Storage Tanks

Includes releases of petroleum from underground storage tanks and aboveground storage tanks.

Date of Government Version: 11/02/2016  
Date Data Arrived at EDR: 12/02/2016  
Date Made Active in Reports: 01/09/2017  
Number of Days to Update: 38

Source: Department of Environmental Quality  
Telephone: 804-698-4010  
Last EDR Contact: 12/02/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Quarterly

## *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: 01/01/2010  
Date Data Arrived at EDR: 02/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 55

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 04/24/2017  
Data Release Frequency: Varies

### UST: Registered Petroleum Storage Tanks

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: 11/01/2016  
Date Data Arrived at EDR: 12/02/2016  
Date Made Active in Reports: 01/09/2017  
Number of Days to Update: 38

Source: Department of Environmental Quality  
Telephone: 804-698-4010  
Last EDR Contact: 12/02/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Semi-Annually

### AST: Registered Petroleum Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 11/01/2016  
Date Data Arrived at EDR: 12/02/2016  
Date Made Active in Reports: 01/09/2017  
Number of Days to Update: 38

Source: Department of Environmental Quality  
Telephone: 804-698-4010  
Last EDR Contact: 12/02/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Semi-Annually

### 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: 11/05/2015  
Date Data Arrived at EDR: 11/13/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 52

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 01/26/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 02/05/2016  
Date Data Arrived at EDR: 04/29/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 35

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 01/24/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/08/2017
	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: 12/03/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2016	Telephone: 214-665-7591
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 120	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Semi-Annually

## 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: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 01/26/2017
Number of Days to Update: 65	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

## 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: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 119	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

## 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: 02/25/2016	Source: EPA Region 9
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3368
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

## 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: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 01/26/2017
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **State and tribal institutional control / engineering control registries**

### **ENG CONTROLS: Engineering Controls Sites Listing**

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: 09/27/2016  
Date Data Arrived at EDR: 09/29/2016  
Date Made Active in Reports: 11/03/2016  
Number of Days to Update: 35

Source: Department of Environmental Quality  
Telephone: 804-698-4228  
Last EDR Contact: 12/22/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Quarterly

### **INST CONTROL: Voluntary Remediation Program Database**

Sites included in the Voluntary Remediation Program database that have deed restrictions.

Date of Government Version: 09/27/2016  
Date Data Arrived at EDR: 09/29/2016  
Date Made Active in Reports: 11/03/2016  
Number of Days to Update: 35

Source: Department of Environmental Quality  
Telephone: 804-698-4228  
Last EDR Contact: 12/22/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Quarterly

## **State and tribal voluntary cleanup sites**

### **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: 12/27/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Varies

### **VRP: Voluntary Remediation Program**

The Voluntary Cleanup Program encourages owners of elected contaminated sites to take the initiative and conduct voluntary cleanups that meet state environmental standards.

Date of Government Version: 09/27/2016  
Date Data Arrived at EDR: 09/29/2016  
Date Made Active in Reports: 11/03/2016  
Number of Days to Update: 35

Source: Department of Environmental Quality  
Telephone: 804-698-4228  
Last EDR Contact: 12/22/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Quarterly

### **INDIAN VCP R7: Voluntary Cleanup Priority Listing**

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

## **State and tribal Brownfields sites**

### **BROWNFIELDS: Brownfields Site Specific Assessments**

To qualify for Brownfields Assessment, the site must meet the Federal definition of a Brownfields and should have contaminant issues that need to be addressed and a redevelopment plan supported by the local government and community. Virginia's Department of Environmental Quality performs brownfields assessments under a cooperative agreement with the U.S. Environmental Protection Agency at no cost to communities, property owners or, prospective purchasers. The assessment is an evaluation of environmental impacts caused by previous site uses similar to a Phase II Environmental Assessment.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/28/2016  
Date Data Arrived at EDR: 10/27/2016  
Date Made Active in Reports: 01/09/2017  
Number of Days to Update: 74

Source: Department of Environmental Quality  
Telephone: 804-698-4207  
Last EDR Contact: 01/27/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 12/19/2016  
Date Data Arrived at EDR: 12/20/2016  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 12/20/2016  
Next Scheduled EDR Contact: 04/03/2017  
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: 10/31/2016  
Next Scheduled EDR Contact: 02/13/2017  
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: 01/23/2017  
Next Scheduled EDR Contact: 05/08/2017  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 01/30/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 09/30/2016  
Date Data Arrived at EDR: 01/05/2017  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 36

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/29/2016  
Next Scheduled EDR Contact: 03/13/2017  
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: 09/30/2016  
Date Data Arrived at EDR: 12/05/2016  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 67

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/29/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Quarterly

## **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: 02/18/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 01/24/2017  
Next Scheduled EDR Contact: 05/08/2017  
Data Release Frequency: Varies

## **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: 12/28/2016  
Date Data Arrived at EDR: 12/28/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 37

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 12/28/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Annually

### **SPILLS WC: Prep Database**

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/21/2009  
Date Data Arrived at EDR: 09/29/2009  
Date Made Active in Reports: 10/30/2009  
Number of Days to Update: 31

Source: Department of Environmental Quality, West Central Region  
Telephone: 540-562-6700  
Last EDR Contact: 09/06/2011  
Next Scheduled EDR Contact: 12/19/2011  
Data Release Frequency: No Update Planned

### SPILLS VA: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 08/08/2012  
Date Data Arrived at EDR: 08/09/2012  
Date Made Active in Reports: 10/05/2012  
Number of Days to Update: 57

Source: Department of Environmental Quality, Valley Regional Office  
Telephone: 540-574-7800  
Last EDR Contact: 05/06/2013  
Next Scheduled EDR Contact: 08/19/2013  
Data Release Frequency: Quarterly

### SPILLS TD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/17/2009  
Date Data Arrived at EDR: 09/23/2009  
Date Made Active in Reports: 10/06/2009  
Number of Days to Update: 13

Source: Department of Environmental Quality, Tidewater Region  
Telephone: trofoia@deq.vir  
Last EDR Contact: 09/06/2011  
Next Scheduled EDR Contact: 12/19/2011  
Data Release Frequency: Quarterly

### SPILLS SW: Reportable Spills

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 01/21/2010  
Date Data Arrived at EDR: 01/22/2010  
Date Made Active in Reports: 02/16/2010  
Number of Days to Update: 25

Source: Department of Environmental Quality, Southwest Region  
Telephone: 276-676-4839  
Last EDR Contact: 07/13/2012  
Next Scheduled EDR Contact: 10/29/2012  
Data Release Frequency: No Update Planned

### SPILLS PD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 10/20/2009  
Date Data Arrived at EDR: 10/29/2009  
Date Made Active in Reports: 12/03/2009  
Number of Days to Update: 35

Source: Department of Environmental Quality, Piedmont Region  
Telephone: 804-527-5020  
Last EDR Contact: 02/06/2012  
Next Scheduled EDR Contact: 05/21/2012  
Data Release Frequency: Quarterly

### SPILLS NO: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/23/2009  
Date Data Arrived at EDR: 09/29/2009  
Date Made Active in Reports: 10/30/2009  
Number of Days to Update: 31

Source: Department of Environmental Quality, Northern Region  
Telephone: 703-583-3864  
Last EDR Contact: 09/06/2011  
Next Scheduled EDR Contact: 12/19/2011  
Data Release Frequency: No Update Planned

### SPILLS PC: Pollution Complaint Database

Pollution Complaints Database. The pollution reports contained in the PC database include the initial release reporting of Leaking Underground Storage Tanks and all other releases of petroleum to the environment as well as releases to state waters. The database is current through 12/1/93. Since that time, all spill and pollution reporting information has been collected and tracked through the DEQ regional offices.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/1996  
Date Data Arrived at EDR: 10/22/1996  
Date Made Active in Reports: 11/21/1996  
Number of Days to Update: 30

Source: Department of Environmental Quality  
Telephone: 804-698-4287  
Last EDR Contact: 03/08/2010  
Next Scheduled EDR Contact: 06/21/2010  
Data Release Frequency: No Update Planned

## SPILLS BRL: Prep/Spills Database Listing

A listing of spills locations located in the Blue Ridge Regional area, Lynchburg.

Date of Government Version: 09/18/2009  
Date Data Arrived at EDR: 09/18/2009  
Date Made Active in Reports: 10/06/2009  
Number of Days to Update: 18

Source: DEQ, Blue Ridge Regional Office  
Telephone: 434-582-6218  
Last EDR Contact: 11/28/2011  
Next Scheduled EDR Contact: 03/12/2012  
Data Release Frequency: Varies

## SPILLS: Prep/Spills Database Listing

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment. PREP staff often work to assist local emergency responders, other state agencies, federal agencies, and responsible parties, as may be needed, to manage pollution incidents. Oil spills, fish kills, and hazardous materials spills are examples of incidents that may involve the DEQ's PREP Program.

Date of Government Version: 11/01/2016  
Date Data Arrived at EDR: 12/02/2016  
Date Made Active in Reports: 01/09/2017  
Number of Days to Update: 38

Source: Department of Environmental Quality  
Telephone: 804-698-4287  
Last EDR Contact: 12/02/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Varies

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/01/2012  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 02/15/2013  
Number of Days to Update: 43

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## 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: 12/12/2016  
Date Data Arrived at EDR: 12/28/2016  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 44

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 12/28/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Varies

### 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: 12/08/2016  
Next Scheduled EDR Contact: 03/20/2017  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/13/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/24/2017
	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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/13/2017
Number of Days to Update: 339	Next Scheduled EDR Contact: 04/24/2017
	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: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 02/03/2017
Number of Days to Update: 54	Next Scheduled EDR Contact: 05/29/2017
	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: 10/11/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/16/2016	Telephone: 202-566-1917
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 11/16/2016
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/27/2017
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/03/2017
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/22/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 02/10/2017
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/22/2017
	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: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 12/23/2016
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/03/2017
	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: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 11/24/2015	Telephone: 202-566-0250
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 11/22/2016
Number of Days to Update: 133	Next Scheduled EDR Contact: 03/06/2017
	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	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 01/23/2017
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/08/2017
	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: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 12/06/2016
Number of Days to Update: 74	Next Scheduled EDR Contact: 03/20/2017
	Data Release Frequency: Annually

## RMP: Risk Management Plans

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/01/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/22/2016	Telephone: 202-564-8600
Date Made Active in Reports: 11/11/2016	Last EDR Contact: 01/23/2017
Number of Days to Update: 81	Next Scheduled EDR Contact: 05/08/2017
	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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	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	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/10/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/22/2017
	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: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 01/13/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 04/24/2017
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-5088
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 01/09/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/24/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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: 11/17/2016  
Next Scheduled EDR Contact: 03/06/2017  
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: 11/17/2016  
Next Scheduled EDR Contact: 03/06/2017  
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: 02/03/2017  
Next Scheduled EDR Contact: 05/22/2017  
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: 12/06/2016  
Next Scheduled EDR Contact: 03/20/2017  
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: 12/06/2016  
Next Scheduled EDR Contact: 03/20/2017  
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: 02/01/2011  
Date Data Arrived at EDR: 10/19/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 83

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 01/29/2016  
Next Scheduled EDR Contact: 05/08/2017  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/04/2017  
Date Data Arrived at EDR: 01/06/2017  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 35

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 01/06/2017  
Next Scheduled EDR Contact: 04/17/2017  
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 Transportation, 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 Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 02/01/2017  
Next Scheduled EDR Contact: 05/08/2017  
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: 09/30/2016  
Date Data Arrived at EDR: 11/18/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 01/23/2017  
Next Scheduled EDR Contact: 04/10/2017  
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: 12/31/2013  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 09/30/2015  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 11/23/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Biennially

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 01/13/2017
Number of Days to Update: 546	Next Scheduled EDR Contact: 04/24/2017
	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: 07/21/2016	Source: Department of Energy
Date Data Arrived at EDR: 07/26/2016	Telephone: 202-586-3559
Date Made Active in Reports: 09/23/2016	Last EDR Contact: 02/03/2017
Number of Days to Update: 59	Next Scheduled EDR Contact: 05/22/2017
	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: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 09/09/2016
Number of Days to Update: 146	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8787
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 01/05/2017
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/17/2017
	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 1931 and 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	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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  
Telephone: 202-564-2496  
Last EDR Contact: 12/22/2016  
Next Scheduled EDR Contact: 04/10/2017  
Data Release Frequency: Annually

## 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  
Telephone: 202-564-2496  
Last EDR Contact: 12/22/2016  
Next Scheduled EDR Contact: 04/10/2017  
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: 08/05/2016  
Date Data Arrived at EDR: 09/01/2016  
Date Made Active in Reports: 09/23/2016  
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 12/01/2016  
Next Scheduled EDR Contact: 03/13/2017  
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: 12/12/2016  
Next Scheduled EDR Contact: 03/13/2017  
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: 12/02/2016  
Next Scheduled EDR Contact: 03/13/2017  
Data Release Frequency: Varies

## 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: 07/15/2016  
Date Data Arrived at EDR: 09/07/2016  
Date Made Active in Reports: 11/11/2016  
Number of Days to Update: 65

Source: EPA  
Telephone: (215) 814-5000  
Last EDR Contact: 12/06/2016  
Next Scheduled EDR Contact: 03/20/2017  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 11/28/2016
Number of Days to Update: 91	Next Scheduled EDR Contact: 03/13/2017
	Data Release Frequency: Varies

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 01/20/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/01/2017
	Data Release Frequency: Varies

## AIRS: Permitted Airs Facility List

A listing of permitted Airs facilities.

Date of Government Version: 12/02/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/06/2016	Telephone: 804-698-4000
Date Made Active in Reports: 01/09/2017	Last EDR Contact: 11/28/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/13/2017
	Data Release Frequency: Varies

## CEDS: Comprehensive Environmental Data System

Virginia Water Protection Permits, Virginia Pollution Discharge System (point discharge) permits and Virginia Pollution Abatement (no point discharge) permits.

Date of Government Version: 09/07/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/08/2016	Telephone: 804-698-4077
Date Made Active in Reports: 11/10/2016	Last EDR Contact: 12/05/2016
Number of Days to Update: 63	Next Scheduled EDR Contact: 03/20/2017
	Data Release Frequency: Semi-Annually

## COAL ASH: Coal Ash Disposal Sites

A listing of facilities with coal ash impoundments.

Date of Government Version: 07/29/2009	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/31/2009	Telephone: 804-698-4285
Date Made Active in Reports: 08/21/2009	Last EDR Contact: 12/05/2016
Number of Days to Update: 21	Next Scheduled EDR Contact: 03/20/2017
	Data Release Frequency: Varies

## DRYCLEANERS: Drycleaner List

A listing of registered drycleaners.

Date of Government Version: 12/31/2015	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/28/2016	Telephone: 804-698-4407
Date Made Active in Reports: 01/09/2017	Last EDR Contact: 01/09/2017
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/24/2017
	Data Release Frequency: Varies

## ENFORCEMENT: Enforcement Actions Data

A listing of enforcement actions.

Date of Government Version: 09/28/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/06/2016	Telephone: 804-698-4031
Date Made Active in Reports: 11/07/2016	Last EDR Contact: 12/19/2016
Number of Days to Update: 32	Next Scheduled EDR Contact: 03/20/2017
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/03/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/04/2016	Telephone: 804-698-4205
Date Made Active in Reports: 01/09/2017	Last EDR Contact: 02/03/2017
Number of Days to Update: 66	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

## Financial Assurance 2: Financial Assurance Information listing

Solid waste financial assurance information.

Date of Government Version: 11/07/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/15/2016	Telephone: 804-698-4123
Date Made Active in Reports: 01/09/2017	Last EDR Contact: 01/30/2017
Number of Days to Update: 55	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Varies

## TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2013	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/01/2015	Telephone: 804-698-4159
Date Made Active in Reports: 11/16/2015	Last EDR Contact: 01/03/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 04/03/2017
	Data Release Frequency: Annually

## UIC: Underground Injection Control Wells

A listing of underground injection controls wells.

Date of Government Version: 11/01/2016	Source: Department of Mines, Minerals and Energy
Date Data Arrived at EDR: 11/02/2016	Telephone: 276-415-9700
Date Made Active in Reports: 01/09/2017	Last EDR Contact: 02/02/2017
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/08/2017
	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: 09/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/20/2016	Telephone: 202-564-2280
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 12/20/2016
Number of Days to Update: 31	Next Scheduled EDR Contact: 04/03/2017
	Data Release Frequency: Quarterly

## 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: 06/09/2016	Source: Department of Interior
Date Data Arrived at EDR: 06/13/2016	Telephone: 202-208-2609
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 12/09/2016
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/27/2017
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 11/21/2016

Date Data Arrived at EDR: 11/22/2016

Date Made Active in Reports: 02/03/2017

Number of Days to Update: 73

Source: EPA

Telephone: 800-385-6164

Last EDR Contact: 11/22/2016

Next Scheduled EDR Contact: 03/06/2017

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 Historic Gas 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 Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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 Environmental Quality in Virginia.

Date of Government Version: N/A	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/20/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 203	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 Environmental Quality in Virginia and at the Regional VA Levels.

Date of Government Version: N/A	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/15/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 198	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: 07/30/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/19/2013	Telephone: 860-424-3375
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 11/11/2016
Number of Days to Update: 45	Next Scheduled EDR Contact: 02/27/2017
	Data Release Frequency: No Update Planned

#### **NJ MANIFEST: Manifest Information**

Hazardous waste manifest information.

Date of Government Version: 12/31/2015	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/29/2016	Telephone: N/A
Date Made Active in Reports: 01/03/2017	Last EDR Contact: 01/09/2017
Number of Days to Update: 96	Next Scheduled EDR Contact: 04/24/2017
	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: 01/30/2017	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/01/2017	Telephone: 518-402-8651
Date Made Active in Reports: 02/13/2017	Last EDR Contact: 02/01/2017
Number of Days to Update: 12	Next Scheduled EDR Contact: 05/08/2017
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 07/22/2016  
Date Made Active in Reports: 11/22/2016  
Number of Days to Update: 123

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 01/12/2017  
Next Scheduled EDR Contact: 05/01/2017  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 06/19/2015  
Date Made Active in Reports: 07/15/2015  
Number of Days to Update: 26

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 11/21/2016  
Next Scheduled EDR Contact: 03/06/2017  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 04/14/2016  
Date Made Active in Reports: 06/03/2016  
Number of Days to Update: 50

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 12/12/2016  
Next Scheduled EDR Contact: 03/27/2017  
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

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**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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: Licensed Facilities

Source: Department of Social Services

Telephone: 804-692-1900

**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**

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**APPENDIX B**

**TABLE 1 - TAX MAP INFORMATION FOR POTENTIAL  
GROUNDWATER DEVELOPMENT ZONES**

**TABLE 1 - Tax Map Information for Potential Groundwater Development Zones**

Potential Groundwater Development Zone	Tax Map	Owner	Address	City	State	Zip Code	Acres
CLK-1	21 A 49	WALTERS RICHARD L & ROBERTA L	PO BOX 409	BOYCE	VA	22620	200.530
CLK-1	22 A 103B	SNOW NICHOLAS D & M CATHLEEN MCCOY	P O BOX 320	MILLWOOD	VA	22646	55.707
CLK-1	21 A 48	CARROLL ELLEN H TRSTEE OF REV TRST	PO BOX 172	BOYCE	VA	22620	64.666
CLK-1	22 A 103	GUSTAFSON SCOTT F & SUSAN L	PO BOX 382	MILLWOOD	VA	22646	57.060
CLK-1	21 A 49A	CLARKE COUNTY SANITARY AUTHORITY	101 CHALMERS CT	BERRYVILLE	VA	22611	17.560
CLK-1	21 A 50	MITCHELL ROLAND G	P O BOX 155	BOYCE	VA	22620	271.500
CLK-1	22 A 103	GUSTAFSON SCOTT F & SUSAN L	PO BOX 382	MILLWOOD	VA	22646	57.060
CLK-1	22 A 125	WEBER RICHARD W	1048 BROWNTOWN ROAD	BOYCE	VA	22620	30.630
CLK-1	30 A 1B	FARLAND RICHARD A	P O BOX 619	WINCHESTER	VA	22604	78.153
CLK-1	29 A 15	LAZO DOMINGO & BARBARA	131 N LOUDOUN ST	WINCHESTER	VA	22601	36.260
CLK-1	30 A 1C	FARLAND RICHARD A	P O BOX 619	WINCHESTER	VA	22604	86.348
CLK-1	29 2 A	STEUER ERIC R & KATHRYN LEE	PO BOX 156	MILLWOOD	VA	22646	28.804
CLK-1	29 A 11A	HARRISON S REV TRUST	899 BROWNTOWN ROAD	BOYCE	VA	22620	17.270
CLK-1	29 A 12	MILLWOOD COUNTRY CLUB INC	P O BOX 127	BOYCE	VA	22620	4.150
CLK-1	29 A 16	POWHATAN SCHOOL	49 POWHATAN LN	BOYCE	VA	22620	61.706
CLK-1	29 A 14	MILLWOOD COUNTRY CLUB INC	P O BOX 127	BOYCE	VA	22620	47.000
CLK-1	29 A 13	MILLWOOD COUNTRY CLUB INC	P O BOX 127	BOYCE	VA	22620	2.250
CLK-1	29 A 16A	POULSHOT PROPERTIES LLC	P O BOX 431	BERRYVILLE	VA	22611	34.000
CLK-1	30 A 1	FARLAND RICHARD A	P O BOX 619	WINCHESTER	VA	22604	25.723
CLK-1	30A A 1	SNEAD CHARLES H	118 E MAIN STREET	BOYCE	VA	22620	1.370
CLK-1	29 A 17	OSBORNE ISABELLE C & A C BRENGLE	82 SHARON GOSHEN TURNPIKE	WEST CORNWALL	CT	6796	27.245
CLK-1	30A A 2	BOYCE JUSTIN P & EMMA B	101 W CRESCENT ST	BOYCE	VA	22620	.542
CLK-1	30A A 4	BOYCE JUSTIN P & EMMA B	101 W CRESCENT ST	BOYCE	VA	22620	.688
CLK-1	30A A 5	WILLIAMS PHILIP NATHANIEL	P O BOX 223	MILLWOOD	VA	22646	.470
CLK-1	30A A 6	AGURS TANYA DOREAN	1700 TULIP STREET NW	WASHINGTON	DC	20012	1.000
CLK-1	30A A 86	MASON JANIE LOUVINIA	3060-16TH STREET NW APT 101	WASHINGTON	DC	20009	.000
CLK-1	30A A 7	WALKER LEE B	BOX 106	MILLWOOD	VA	22646	.480
CLK-1	30A A 8	THE GOOD WILL ASSOCIATION	1610 MILLWOOD ROAD	BOYCE	VA	22620	.000
CLK-1	30A A 85	JACKSON CHARLES H SR	P O BOX 4103	WINCHESTER	VA	22604	.000
CLK-1	30A A 84	WASHINGTON PHYLLIS	1006 ARMISTEAD ST	WINCHESTER	VA	22601	.000
CLK-1	30A A 9	JACKSON CHARLES H SR	P O BOX 4103	WINCHESTER	VA	22604	.000
CLK-1	30A A 10	TRS OF LOVE AND CHARITY CEMETARY	P O BOX 86	MILLWOOD	VA	22646	.000
CLK-1	30A A 83	GILLIAM ANNA CATHERINE	1681 MILLWOOD RD	BOYCE	VA	22620	1.722
CLK-1	30A A 11	TRS OF LOVE & CHARITY CEMETERY	1823 LOUDOUN AVENUE NW	ROANOKE	VA	24017	.000
CLK-1	30A A 12	TRS OF THE GLORIOUS CHURCH OF GOD	1830 HANOVER AVE	ROANOKE	VA	24017	.000
CLK-2	22 A 26	HAMILTON THOMAS J & JOHN	9118 CORONADO TERRACE	FAIRFAX	VA	22031	124.760
CLK-2	22 A 122	WESTPHAL DIETRICH J & HELGA	P O BOX 355	MILLWOOD	VA	22646	135.320
CLK-2	22 A 27	HUNT STAFF BENEFIT FOUNDATION	P O BOX 363	MILLWOOD	VA	22646	15.209
CLK-2	22 A 28	HUNT STAFF BENEFIT FOUNDATION	P O BOX 363	MILLWOOD	VA	22646	5.230
CLK-2	22 A 122B	GOSHEN CHARLES R & LISA I	P O BOX 284	MILLWOOD	VA	22646	76.425
CLK-2	22 A 123	GREENHALGH GEORGE P JR TRUSTEE	P O BOX 602	BERRYVILLE	VA	22611	94.000
CLK-2	22 A 122A	KERN CHARLOTTE MEADE & ROBERT S	300 WESTMINSTER-CANTURY DR	WINCHESTER	VA	22602	30.000
CLK-2	22 A 112	STIEG ROBERT W JR & LOUISE B	P O BOX 32	MILLWOOD	VA	22646	13.334
CLK-2	22 A 124	GUARRIELLO THEODORE J JR	P O BOX 299	BOYCE	VA	22620	123.970
CLK-2	22 A 110	GUARRIELLO THEODORE J JR REV TRUST	P O BOX 299	BOYCE	VA	22620	62.031
CLK-2	22 A 112A	STIEG ROBERT W JR & LOUISE B	P O BOX 32	MILLWOOD	VA	22646	2.176
CLK-2	30 A 14B	HARRIS JEFFREY P & LUCILLE S	P O BOX 24	MILLWOOD	VA	22646	88.230
CLK-2	30 A 14C	HARRIS JEFFREY P & LUCILLE S	P O BOX 24	MILLWOOD	VA	22646	57.140
CLK-3	30 A 102A	DOBSON GROUP LIMITED PARTNERSHIP	1146 19TH STREET NW SUITE 250	WASHINGTON	DC	20036	129.960
CLK-3	30 A 104A	EYLES WILLIAM H & KAREN B	P O BOX 131	MILLWOOD	VA	22646	53.610
CLK-3	30 A 16	PEOPLE TO PEOPLE HEALTH FDN INC	P O BOX 250	MILLWOOD	VA	22646	5.000
CLK-3	30 A 15	PEOPLE TO PEOPLE HEALTH FDN INC	P O BOX 250	MILLWOOD	VA	22646	76.470
CLK-3	30 A 30	PEOPLE TO PEOPLE HEALTH FDN INC	P O BOX 250	MILLWOOD	VA	22646	83.530
CLK-3	30 A 16A	PEOPLE TO PEOPLE HEALTH FDN INC	P O BOX 250	MILLWOOD	VA	22646	21.520
CLK-3	30 2 1	SOUTH GATE FARM LLC	2909 MILLWOOD RD	MILLWOOD	VA	22646	125.900
CLK-3	30 2 7	DOBSON GROUP LIMITED PARTNERSHIP	1146 19TH STREET NW SUITE 250	WASHINGTON	DC	20036	61.740
CLK-3	30 A 30A	FIELDING SUSAN	P O BOX 343	MILLWOOD	VA	22646	15.050
CLK-3	30 A 35A	BANKS SUE E	6103 CASTLETOWN WAY	ALEXANDRIA	VA	22301	.000
CLK-4	29 A 17	OSBORNE ISABELLE C & A C BRENGLE	82 SHARON GOSHEN TURNPIKE	WEST CORNWALL	CT	6796	27.245
CLK-4	29 A 18	SZENTIRMAI MIKLOS & ANDREA LIGETI	PO BOX 286	BOYCE	VA	22620	74.307
CLK-4	29 A 18A	GRENNAN ANDERSON & MAE HANEY	6004 JOHN MOSBY HWY	BOYCE	VA	22620	73.420
CLK-4	29 A 19	MOHLER DAVID T & JEAN S	3 W IRVING STREET	CHEVY CHASE	MD	20815	78.180
CLK-4	30A A 33	LEE EDWARD A & MONICA VILLEGAS	P O BOX 393	MILLWOOD	VA	22646	4.972
CLK-4	30A A 35	ATWELL JEFFREY A	P O BOX 122	MILLWOOD	VA	22646	6.130
CLK-4	30A A 34	CLARKE COUNTY HISTORICAL ASSOC	32 E MAIN ST	BERRYVILLE	VA	22611	1.000
CLK-4	30A A 38	MEANS IHRIE POU CARR & HOWARD B	P O BOX 7	MILLWOOD	VA	22646	3.600
CLK-4	30A A 38	MEANS IHRIE POU CARR & HOWARD B	P O BOX 7	MILLWOOD	VA	22646	3.600
CLK-4	30A A 40	HOLMES ROBERT L & MARGARET S	P O BOX 13	MILLWOOD	VA	22646	.790
CLK-4	30A A 36	MEANS IHRIE POU CARR & HOWARD B	PO BOX 7	MILLWOOD	VA	22646	1.090
CLK-4	30A A 39	WILLIAMS DEBORA W	PO BOX 14	BERRYVILLE	VA	22611	.000
CLK-4	30A A 40A	SOIL DYNAMICS INC	P O BOX 13	MILLWOOD	VA	22646	.690
CLK-4	30A A 37	MEANS IHRIE POU CARR & HOWARD B	P O BOX 7	MILLWOOD	VA	22646	.800
CLK-4	30 A 42D	MURPHY JEFFREY & AOIFE E BRAZIL	P O BOX 207	MILLWOOD	VA	22646	3.460
CLK-4	30 A 42C	PILLION IONA F	P O BOX 134	MILLWOOD	VA	22646	4.630
CLK-4	30 A 42B	SMITH MERRILL A & JON M PERKINS	P O BOX 43	MILLWOOD	VA	22646	29.280
CLK-4	30 A 42E	CAREY FRANK SUMNER & LUANNE T	PO BOX 120	MILLWOOD	VA	22646	2.370
CLK-4	30 A 42	SCHUTTE CHARLES H & CAROLYN WILSON	P O BOX 324	MILLWOOD	VA	22646	8.130
CLK-4	29 A 20	EL-KHATIB ALI & CARLA GIACOMANGELI	43104 UNISON KNOLL CIR	ASHBURN	VA	20148	35.750

**TABLE 1 - Tax Map Information for Potential Groundwater Development Zones**

Potential Groundwater Development Zone	Tax Map	Owner	Address	City	State	Zip Code	Acres
CLK-4	29 A 21A	REITZE HARRY W & PATRICIA S MILLER	5617 JOHN MOSBY HWY	BOYCE	VA	22620	4.620
CLK-4	29 A 21	CATHER BRIAN L & ROBIN S	P O BOX 221	MILLWOOD	VA	22646	13.120
CLK-5	22 A 12	HENDERSON JOSEPH W III	PO BOX 797	BERRYVILLE	VA	22611	101.928
CLK-5	22 A 14	HENDERSON JOSEPH W III	P O BOX 797	BERRYVILLE	VA	22611	136.960
CLK-5	22 A 13	HENDERSON JOSEPH W III	P O BOX 797	BERRYVILLE	VA	22611	116.002
CLK-5	22 A 53	KITTS LOUISE ET AL	472 WAVERLY RD	CLEAR BROOK	VA	22624	2.200
CLK-5	22 A 55	OLD CHAPEL CHURCH & BURWELL CEM	P O BOX 92	BOYCE	VA	22620	3.000
CLK-5	22 A 54	KITTS LOUISE ET AL	472 WAVERLY RD	CLEAR BROOK	VA	22624	.000
CLK-5	22 A 45	ROBINSON NEAL T & PATRICIA A	1604 N CLEVELAND ST	ARLINGTON	VA	22201	17.544
CLK-5	22 A 56	BURWELL CEMETERY INC	P O BOX 814	BERRYVILLE	VA	22611	.000
CLK-5	22 A 42	ESTEP MARILYN H	538 BRIGGS ROAD	BERRYVILLE	VA	22611	29.310
CLK-5	22 A 46	HALL JUSTIN S & AMBER BUTLER	3472 BISHOP MEADE ROAD	BOYCE	VA	22620	.000
CLK-5	22 A 47A	CREANY KEVIN C	101 MORGAN STREET	WINCHESTER	VA	22601	5.980
CLK-5	22 4 A	HUGHES WALTER L	P O BOX 25	BERRYVILLE	VA	22611	23.341
CLK-5	22 A 41	LOWESBY LLC	PO BOX 440	BOYCE	VA	22620	20.040
CLK-5	22 1 10	TURNER RICHARD A JR & ANN KATHLEEN	403 MILL LANE	BOYCE	VA	22620	5.450
CLK-5	22 1 11	HEIDELBERGER TODD W & DANA S	405 MILL LN	BOYCE	VA	22620	5.020
CLK-6	21 A 18	BLACKBURN BILLY R & ANKE F A	328 SUMMERVILLE RD	BOYCE	VA	22620	22.310
CLK-6	21 A 18A	MASTERS GLENN	1004 PYLETOWN RD	BOYCE	VA	22620	18.253
CLK-6	21 A 19	CLARK ELIZABETH B & THOMAS BAUHAN	602 VIRGINIA AVE	ALEXANDRIA	VA	22302	21.244
CLK-6	21 A 37A	HOLLAR LARRY E TRSTEE	1515 PYLETOWN RD	BOYCE	VA	22620	90.000
CLK-6	21 A 32	HOLLAR LARRY E TRSTEE	1515 PYLETOWN RD	BOYCE	VA	22620	67.670
CLK-6	21 A 40	SCHUTTE C H INC	P O BOX 5	BOYCE	VA	22620	180.000
CLK-6	21 3 1	LIGON JANICE K & BRADLEY B NELSON	10276 LORD FAIRFAX HWY	BOYCE	VA	22620	14.390

**EMERY & GARRETT GROUNDWATER INVESTIGATIONS, LLC**

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