

August 19, 2021

North Carolina Department of Environmental Quality
Division of Waste Management – DSCA Program
1646 Mail Services Center
Raleigh, NC 27699-1646

Att: Mr. Al Chapman
DSCA Project Manager

Re: **Risk Management Plan**
April Showers Cleaners - DSCA Site ID DC600096
5616 Farm Pond Lane
Charlotte, Mecklenburg County, North Carolina

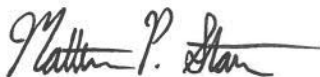
Dear Mr. Chapman,

AECOM is pleased to provide the attached Risk Management Plan (RMP) for the former April Showers Cleaners (DSCA Site ID DC600096) which was previously located at 5616 Farm Pond Lane in Charlotte, North Carolina (site). A risk assessment conducted for the site indicates that contaminant concentrations at the site do not pose an unacceptable risk. The primary purpose of this RMP is to ensure that the assumptions made in the risk assessment remain valid in the future. Based on the documentation outlined in this report, AECOM recommends issuance of a No Further Action letter for the site.

If you have any questions or require additional information, please do not hesitate to contact either Rob MacWilliams or Matthew Stone at 704-522-0330.

Sincerely,

AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.



Matthew P. Stone, PG
Project Coordinator

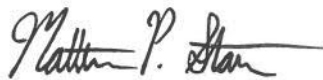


Robert H. MacWilliams, PG
Program Manager

DRAFT

**Risk Management Plan
April Showers Cleaners - DSCA Site ID DC600096
5616 Farm Pond Lane
Mecklenburg County
Charlotte, North Carolina 28212**

Submitted To:
NC Department of Environmental Quality
Division of Waste Management – DSCA Program
1646 Mail Services Center
Raleigh, NC 27699-1646



Matthew P, Stone, PG
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AECOM

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1.0 INTRODUCTION

AECOM Technical Services of North Carolina, Inc. (includes legacy URS and herein referred to as AECOM) has prepared this *Risk Management Plan* (RMP) to address dry-cleaning solvent contamination associated with the former April Showers Cleaners site (DSCA Site ID DC600096) on behalf of the North Carolina Department of Environmental Quality (NCDEQ) Dry-Cleaning Solvent Cleanup Act (DSCA) Program. The April Showers Cleaners, formerly located at 5616 Farm Pond Lane in Charlotte, North Carolina, operated between 1986 and 2010 out of a commercial tenant space located in a mixed-use building within the Campbell Creek Apartments. The facility reportedly operated a perchloroethylene dry-cleaning machine on-site for a period not exceeding several months during the 2000's. Currently, neither the laundromat nor the dry-cleaning machine is present and the commercial tenant space is currently used by the Campbell's Creek Apartments management staff.

The April Showers Cleaners site (herein referred to as the "site") includes a portion of the source property where the dry-cleaning facility was located. The site property is as follows:

- Source property – **JBDT 2 LLC / Reserve Campbell CGC LLC, PIN 10316302**, which encompasses a portion of the Reserve at Campbell Creek Apartments (5612, 5614, 5616 and 5620 Farm Pond Lane). The former April Showers Cleaners tenant space was housed within the building at 5616 Farm Pond Lane.

This RMP is intended to comply with the requirements of the DSCA (N.C.G.S. 143-215.104A et seqs) and promulgated rules and follows the outline provided in the DSCA Program's risk-based corrective action (RBCA) guidance.

2.0 OBJECTIVES OF RISK MANAGEMENT PLAN

AECOM has completed assessment activities at the site which identified the following:

- The presence of tetrachloroethylene (also referred to herein as tetrachloroethene, or PCE), in groundwater beneath the source property at concentrations exceeding the Title 15A NCAC 2L .0202 Groundwater Standards (2L Standards);
- The presence of PCE in soil at concentrations exceeding the Division of Waste Management (DWM) health based and/or protection of groundwater Preliminary Soil Remediation Goals (PSRGs);

- Concentrations of PCE in soil-gas beneath the source property that exceed calculated risk for residential and non-residential exposure.

AECOM completed a risk assessment for the site in accordance with the DSCA Program's risk assessment procedures in November 2020. The results of the risk assessment indicated that there are risks that exceed applicable target levels on the source property. These risks will be managed using site-specific land-use conditions that have been selected as part of the risk assessment evaluation and which require a RMP. Thus, the objective of the RMP is to ensure that those site-specific land-use conditions remain valid in the future.

3.0 SUMMARY OF RISK ASSESSMENT REPORT

AECOM performed a risk assessment to address the applicable exposure pathways based on the identified impacts summarized in **Section 2.0**. Comprehensive results of the risk assessment, which are summarized herein, are documented in the *Risk Assessment Report*, dated November 5, 2020.

The site is currently zoned as multi-family; to be protective of unknown future zoning and mixed-use development in the future, both residential and non-residential scenarios were considered as part of the risk assessment.

The risk assessment process consisted of evaluating exposure pathways within the exposure units shown on **Figure 2**. A summary of the groundwater quality data used in the risk assessment is included on **Figure 3**. A summary of the soil quality data used in the risk assessment is included on **Figures 4**. A summary of the vapor quality data used in the risk assessment is included on **Figure 5**. The exposure model evaluation indicated the following exposure pathways for each Exposure Unit:

Exposure Unit #1

Exposure Unit #1 (EU#1) encompasses the 5616 Farm Pond Lane building on the Reserve at Campbell Creek Apartments property (identified as PIN 10316302), which contains the former April Showers Cleaners tenant space, owned by JBTD 2 LLC / Reserve Campbell CGC LLC. The exposure model evaluation indicated the following exposure pathways for EU#1:

- **Indoor Inhalation of Vapor Emissions** – For the indoor inhalation of vapor emissions exposure pathway, indoor air concentration data was used to evaluate current risk and soil-gas vapor concentration data was used to evaluate future risk. The maximum indoor air and soil-gas contaminant concentrations detected within EU#1 were conservatively used as exposure point concentrations (EPC's) for contaminants of concern (COC's) to evaluate the risk associated with the vapor intrusion pathway using the NCDEQ Risk Calculator (December 2019) for current conditions (residential and non-residential), and future conditions (residential and non-residential). As indicated on **Figure 5**, the risk assessment results were within acceptable risk levels for current residential land-use conditions. However, the risk assessment results were not within acceptable risk levels for the indoor air exposure pathway for residential or non-residential use under future conditions. The future indoor air inhalation exposure pathway in **Area A** of EU#1, as designated on **Figure 6** and in the source property survey plat attached as “Exhibit A” of the Notice of Dry-Cleaning Solvent Remediation (NDCSR) in **Appendix C**, can be mitigated through the imposition of land-use controls where soil-gas contaminant concentrations exceed applicable risk levels as defined herein.
- **Soil Exposure** – For the soil exposure (combined pathways including ingestion, dermal contact, and outdoor inhalation of volatile COC's and particulate emissions) pathways evaluation, soil quality data was used to evaluate current and future risk. The maximum soil contaminant concentrations detected within EU#1 were conservatively used as EPC's for COC's. Risk from soil exposure was modelled using the NCDEQ Risk Calculator (December 2019) for current conditions (residential and non-residential) and future conditions (residential and non-residential). Risk levels did not exceed calculated acceptable risk for current non-residential or future residential and/or non-residential land use conditions. However, soil contamination exceeds NCDEQ Preliminary Soil Remediation Goals (PSRGs) in **Area B** of EU#1, as designated on the source property survey plat attached as “Exhibit A” of the NDCSR in **Appendix C**. Therefore, this can be addressed through the imposition of a land-use control whereupon soil in **Area B** may not be removed or disturbed unless approved in writing in advance by NCDEQ or its successor in function. No other land-use controls are necessary to address the soil exposure in EU#1.

Since groundwater contaminant concentrations above the 2L Standards are present within EU#1, land-use controls should be implemented preventing the use of, or exposure to, groundwater within EU#1.

Exposure Unit #2

Exposure Unit #2 (EU#2) encompasses a portion of the paved surface level parking/drive aisles and pool house (5614 Farm Pond Lane) on the Reserve at Campbell Creek Apartments (identified as PIN 10316302) owned by JBBDT 2 LLC / Reserve Campbell CGC LLC. The exposure model evaluation indicated the following exposure pathways for EU#2:

- **Indoor Inhalation of Vapor Emissions** – For the indoor inhalation of vapor emissions exposure pathway, soil-gas data was used to evaluate current and future risk. The maximum soil-gas vapor contaminant concentrations detected within EU#2 were conservatively used as EPC's for COC's to evaluate the vapor intrusion pathway using the NCDEQ Risk Calculator (December 2019) for current conditions (residential and non-residential) and future conditions (residential and non-residential). The results of the risk assessment were within acceptable risk levels for current and future residential land-use conditions. No land-use controls for vapor are required to be implemented for EU#2
- **Soil Exposure** – Impacted surface soil is not present within EU#2. Therefore, the soil exposure pathway is considered incomplete for current (non-residential), future (residential and non-residential), and construction worker conditions.

Since groundwater contaminant concentrations above the 2L Standards are present within EU#2, a land-use control should be implemented preventing the use of groundwater within EU#2.

Point of Exposure Modeling

Site specific Domenico groundwater modeling was not completed as part of the risk assessment activities documented herein as groundwater impacts attributable to activities associated with the April Showers Cleaners (DSCA Site ID DC600096) site are considered to be negligible, indistinguishable, and non-quantifiable in comparison to groundwater impacts attributable to activities associated with the adjacent and upgradient Sno-White Cleaners (DSCA Site ID DC600031) site located at 5669 Farm Pond Lane, Charlotte, North Carolina. The Sno-White Dry Cleaners site is not a likely closure candidate and will remain an actively managed contamination site under the DSCA Program which is an important component of this risk management plan (see **Figure 6**).

As further detailed in **Section 6.0**, institutional controls will also be implemented to ensure that land-use conditions are maintained and monitored until the land-use controls are no longer required for the April Showers Cleaners (DSCA Site ID DC600096) site.

4.0 REMEDIAL ACTION PLAN

4.1 Assessment Activities and Interim Actions

A *Phase II Limited Subsurface Investigation* report, dated April 27, 2017, was prepared by AEI Consultants (AEI) at the former April Showers Cleaners. The report identified the former April Showers Cleaners as a recognized environmental concern. Sampling activities included the collection of five soil samples (AEI-1, AEI-2, AEI-3, AEI-4, and AEI-5) to assess potential subsurface impacts related to historic dry-cleaning operations. Review of the soil analytical results indicated the subsurface was impacted by chlorinated dry-cleaning solvents; specifically, PCE.

On March 21, 2017, the site was certified into the DSCA Program, and the DSCA Program subsequently performed assessment and monitoring activities at the site between 2017 and 2019 to assess the extent of dry-cleaning solvent impacts and to evaluate potential receptors within a one-half mile radius of the site.

In October 2017, AECOM initiated prioritization assessment (PA) activities which included: receptor survey activities; advancement of eight soil borings (SB-1 through SB-8); and the installation of one groundwater monitoring well (MW-1). Following installation, monitoring well MW-1 was gauged and sampled. Rising-head slug tests were conducted on monitoring well MW-1. In addition, AECOM performed vapor intrusion-related assessment activities in accordance with applicable guidance. AECOM collected one sub-slab vapor sample (SSV-1) from the former dry-cleaning tenant space. Pertinent groundwater, soil, and vapor sample locations and analytical results are shown on **Figures 3, 4 and 5**, respectively. As documented in the *Prioritization Assessment Report* (PAR), dated January 26, 2018:

- The receptor survey did not identify any significant receptors within a 0.5-mile radius.
- Review of the soil quality data generated as part of the October 2017 PA activities appeared to have adequately defined the source impacts beneath the former April Showers Cleaners.

- Review of the groundwater data generated as part of the October 2017 PA identified PCE above the 2L Standards in monitoring well MW-1.
- The sub-slab vapor sample SSV-1 indicated that concentrations of PCE and trichloroethylene (also referred to herein as trichloroethene or TCE) in soil-gas beneath the site exceeded calculated risk for residential and non-residential exposure.

In addition to completion of the October 2017 groundwater assessment activities for April Showers Cleaners, the footprint of the April Showers Cleaners site was observed to be within an area of groundwater impact defined during numerous groundwater assessment activities completed as part of the site investigation for the Sno-White Cleaners (DSCA Site ID DC600031) site locate adjacent and upgradient at 5669 Farm Pond Lane, Charlotte, North Carolina. Comprehensive information specific to the Sno-White Cleaners (DSCA Site ID DC600031) groundwater assessment activities can be reviewed in the following reports:

- *Updated Assessment Report Submittal*, dated May 1, 2013, as prepared by AECOM for the adjacent Sno-White Cleaners DSCA Site DC600031;
- *April 2013 Groundwater Sampling Report*, dated July 2, 2013, as prepared by AECOM for the adjacent Sno-White Cleaners DSCA Site DC600031;
- *October 2013 Updated Assessment Report Submittal*, dated January 9, 2014, as prepared by AECOM for the adjacent Sno-White Cleaners DSCA Site DC600031; and,
- *Groundwater Monitoring Report Submittal*, dated January 15, 2015, as prepared by AECOM for the adjacent Sno-White Cleaners DSCA Site DC600031.

As indicated on **Figure 3**, the April Showers Cleaners source property (currently the Reserve at Campbell Creek Apartments) is situated to the west, and hydraulically downgradient, of the Sno-White Cleaners site. In addition, groundwater assessment activities completed during the investigation of the Sno-White Cleaners site have generally delineated the extent of contaminated groundwater where the contamination migrates beneath and indistinguishably commingles with the groundwater source area beneath the April Showers Cleaners site while flowing west towards Campbell Creek. Based on a review of comprehensive groundwater assessment data generated for both the April Showers Cleaners site and the Sno-White Cleaners site, groundwater impacts beneath the April Showers Cleaners site appeared to be

overwhelmingly attributable to activities associated with the Sno-White Cleaners dry-cleaning operations and not the April Showers Cleaners dry-cleaning operations. Furthermore, as indicated in the GSI Environmental Inc. (GSI) Mann-Kendall Toolkit for Constituent Trend Analysis (Mann-Kendall Analysis) stability plots, provided in **Appendix A**, groundwater migrating from the Sno-White Cleaners site onto the Reserve at Campbell Creek Apartments property at location SW-MW-9 demonstrated a “Stable” trend for concentrations of PCE and TCE, warranting no further assessment.

In addition to completion of the October 2017 vapor intrusion (VI) assessment activities for April Showers Cleaners, numerous VI assessment activities completed on the Reserve at Campbell Creek Apartments property as part of the site investigation for the former Sno-White Cleaners site. These activities include the collection of one soil-gas sample (SW-SG-1) collected in October 2010 adjacent to the former April Showers Cleaners dry-cleaning facility, and three indoor air sampling events completed at the Reserve at Campbell Creek Apartments located at 5616-F, 5616-G, and 5616-I Farm Pond Lane in December 2012, October 2013, and February 2014. Pertinent VI sample locations and analytical results are shown on **Figure 5**. Comprehensive information specific to the Sno-White Cleaners VI assessment activities can be reviewed in the following reports:

- *Indoor Air Quality and Soil Gas Evaluation Results*, dated March 14, 2013, as prepared by AECOM for the adjacent Sno-White Cleaners, DSCA Site ID DC600031;
- *Indoor Air Quality Report*, dated March 26, 2014, as prepared by AECOM for the adjacent Sno-White Cleaners, DSCA Site ID DC600031; and,
- *Updated Assessment Report Submittal*, dated October 28, 2016, as prepared by AECOM for the adjacent Sno-White Cleaners, DSCA Site ID DC600031.

Based on a review of VI assessment data generated for both the April Showers Cleaners site and the Sno-White Cleaners site, and as shown on **Figure 5**, additional VI assessment activities were warranted. As such, additional VI assessment activities were conducted to supplement the 2010 soil-gas and 2012 indoor air quality data generated at the Reserve at Campbell Creek Apartments as part of the VI assessment activities completed under Sno-White Cleaners, as well as to further delineate the extent of soil-gas impacts identified in the 2017 PA activities for the April Showers Cleaners site. Specifically, AECOM collected one indoor air sample (IA-1) within the former April Showers Cleaners tenant space, two sub-slab vapor samples (VP-5 and VP-6) beneath the

footprint of the former dry-cleaning facility, and installed two soil-gas points (SG-1 and SG-2) at the April Showers Cleaners site in January and February 2019. Pertinent VI sample locations and analytical results are shown on **Figure 5**. As documented in the *Vapor Intrusion Related Results Report*, prepared by AECOM and dated April 23, 2019, with the results of the January and February 2019 VI data, the VI impacts were determined to be adequately assessed and no additional vapor intrusion assessment was warranted at the time.

Once sufficient data was available to demonstrate groundwater plume stability, soil and vapor assessment activities were completed at the site, AECOM submitted a draft risk assessment for the April Showers Cleaners on July 7, 2020, and the final Risk Assessment Report was approved on November 17, 2020. As discussed in detail in **Section 3.0**, the risk assessment concluded that the risks associated with chlorinated solvent contamination at the site could be managed through implementation of site-specific land-use controls as detailed in this RMP. Therefore, the risk assessment recommended risk-based closure for the site. The purpose of this RMP is to ensure that the assumptions made in the April Showers Cleaners risk assessment remain valid in the future.

With regard to the Sno-White Cleaners site, the site is not a likely closure candidate and will remain an actively managed contamination site under the DSCA Program.

4.2 Remedial Action

According to the DSCA Program's RBCA guidance, no remedial action is necessary if the following four site conditions are met:

- i. the dissolved plume is stable or decreasing;
- ii. the maximum concentration within the exposure domain for every complete exposure pathway of any COC is less than ten times the representative concentration (RC) of that COC;
- iii. adequate assurance is provided that the land-use assumptions used in the DSCA Program's RBCA process are not violated for current or future conditions; and,
- iv. there are no ecological concerns at the site.

The site's compliance with the four above referenced conditions confirms that the contaminant concentrations are not likely to pose an unacceptable risk either at present or in the future and remedial action at the site is not required. Each of these conditions and their applicability to the subject site are summarized in the following sections.

4.2.1 Condition 1 – The dissolved plume is stable or decreasing

A total of seven groundwater sampling events (June 2009, April 2010, April 2013, October 2010, July 2014, October 2014, and October 2017) have been conducted using existing monitoring wells to document plume stability at the site. Constituents detected in groundwater samples from the site include: PCE, TCE, chloroform, acetone, chloromethane, cis-1,2-Dichloroethylene, and methyl-tert-butyl ether. AECOM focused on PCE as the primary COC for evaluation of plume stability.

As discussed in **Section 4.1**, source groundwater impacts beneath the April Showers Cleaners site were indistinguishable from the groundwater impacts migrating onto the Reserve at Campbell Creek Apartments/April Showers Cleaners property from the adjacent and upgradient Sno-White Cleaners (DSCA Site ID DC600031) site located at 5669 Farm Pond Lane, Charlotte, North Carolina.

Therefore, AECOM utilized the Mann-Kendall Analysis for the sampling events conducted at SW-MW-9, which are included in **Appendix A**. As shown on the Mann-Kendall Analysis plots for SW-MW-9, groundwater impacts beneath the Reserve at Campbell Creek Apartments/April Showers Cleaners property are “Stable” for PCE concentrations of PCE during the sampling events completed from June 2009 to October 2014. Based on this data, AECOM concluded that the size of the plume is stable and concentrations in the source area are likely to remain generally stable.

Documentation of the plume stability evaluation, including a table showing historical groundwater analytical data, and the Mann-Kendall Analysis for PCE and TCE are included in **Appendix A**.

4.2.2 Condition 2 –The maximum concentration within the exposure domain for every complete exposure pathway of any COC is less than ten times the RC of that COC

Representative concentrations were not calculated as part of the risk assessment for this site. Instead, a more conservative approach was utilized by using the maximum concentration for each COC within the exposure unit. Hence, this condition has been met for each COC and exposure pathway for the site.

4.2.3 Condition 3 – Adequate assurance is provided that the land-use assumptions used in the DSCA program’s RBCA process are not violated for current or future conditions.

The risk assessment completed for the source property was based on current land use being non-residential. However, using the most conservative approach, future conditions at the site were considered to be residential. As discussed in **Section 6.0**, land-use controls will be implemented for the site to ensure that these assumptions remain valid.

4.2.4 Condition 4 – There are no ecological concerns at the site.

AECOM completed a *Level 1 Ecological Risk Assessment* as part of this Risk Management Plan for the site in accordance with the DSCA Program’s RBCA guidance. The results of the evaluation indicate that the release does not pose an unacceptable ecological risk. The completed Level 1 Ecological Risk Assessment Checklists A and B, as well as EDR NEPASEARCH™ are attached as **Appendix B**.

The site’s compliance with the four above referenced conditions confirms that the contaminant concentrations are not likely to pose an unacceptable risk either at present or in the future. The plume is expected to naturally attenuate over time and the appropriate remedial action is to implement appropriate land-use controls on the properties where soil and/or groundwater contamination is present.

5.0 DATA COLLECTED DURING RMP IMPLEMENTATION

No further sampling or other data collection activities are proposed for the site or adjacent properties, assuming the assumptions detailed in the Notice of Dry-Cleaning Solvent Remediation (NDCSR) remain valid. As such, this section is not applicable.

6.0 LAND-USE CONTROLS

As discussed in detail in **Section 3.0**, the recommendation for closure in the risk assessment for the site was based on the following land-use controls:

- The source property shall not be used for childcare centers or schools.
- The source property shall not be used for mining or extraction of coal, oil, gas or any mineral or non-mineral substances without prior written approval from NCDEQ.
- Groundwater will not be used on the source property without prior approval of NCDEQ.
- Any activities within **Area A** of the source property as shown on **Figure 6**, that cause or create a VI risk should not be completed without prior approval of NCDEQ, as detailed below:
 - Except for routine maintenance, no construction activities or change in property use that cause or create an unacceptable human health risk from vapor intrusion may occur on the Property without prior approval of the NCDEQ. These activities include but are not limited to: construction of new buildings, removal and construction of part of a building, construction of sub-grade structures that encounter contaminated soil or places building users in close proximity to contaminated groundwater, change from non-residential to residential property, change in tenant space usage, and addition of residential property use on higher floors.
 - Structural modifications that may cause or create an increased risk from vapor intrusion require the property owner to demonstrate to the satisfaction of the NCDEQ that the indoor air in the structure does not pose an unacceptable risk to the occupants following modifications. These modifications include but are not limited to: modification or replacement of heating, ventilation or air conditioning (HVAC) systems, removal or replacement of the building slab, installation of multiple conduits or piping through the building slab, modifications to building walls or ceilings that may change air flow.
- Soil in **Area B** as shown on **Figure 6** may not be removed or disturbed unless approved in writing in advance by DEQ or its successor in function, except for routine landscape

maintenance and emergency utility repair. In the event of emergency utility repair, DEQ shall be given written notice of any such emergency repair no later than the next business day, and further related assessment and remedial measures may be required.

Institutional controls will be implemented to ensure that land-use conditions are maintained and monitored until the land-use controls are no longer required for the site. NDCSRs were prepared for the source property to comply with the land-use control requirement. The NDCSR is included in **Appendix C**. Refer to the NDCSR for the specific language to be incorporated to address each of the risk assessment assumptions.

A plat showing the locations and types of dry-cleaning solvent impacts on the site is included as an exhibit to the NDCSR. The locations of dry-cleaning solvent impacts are where contaminants have been detected above unrestricted use standards.

7.0 LONG-TERM STEWARDSHIP PLAN

The NDCSR for the source property contains a clause which requires the owner of the site to submit a notarized “Annual Certification of Land-Use Restrictions” to NCDEQ on an annual basis certifying that the NDCSR remains recorded with the Register of Deeds and that land-use restrictions (LURs) are being complied with. An example of such a certification is included in **Appendix D**.

8.0 RMP IMPLEMENTATION SCHEDULE

Since the groundwater plume is stable and possible exposure to the contamination is managed through the NDCSR, no additional site remediation activities are required to implement the RMP. A 30-day public comment period will be held to allow the community an opportunity to comment on this proposed strategy. **Appendix E** includes example documents used to announce the public comment period in the local newspaper and to inform local officials, nearby property owners, and interested parties. As such, upon completion of the 30-day public comment period and final approval of the RMP, the NDCSR will be filed with the Mecklenburg County Register of Deeds and will complete the RMP schedule.

9.0 CRITERIA FOR DEMONSTRATING RMP SUCCESS

The RMP will be successfully implemented once the required NDCSR has been executed and recorded with the Mecklenburg County Register of Deeds. The NDCSR for the property may, at the request of the property owner, may be canceled by NCDEQ after the risk to public health and the environment associated with the dry-cleaning solvent contamination and any other contaminants included in the dry-cleaning solvent assessment and remediation agreement has been eliminated as a result of the remediation of the property. If NCDEQ is notified of a change in site conditions, per the notification requirements set forth in each NDCSR, the RMP will be reviewed to determine if the site conditions have impacted the requirements set forth in the NDCSR and if changes are required. Enforcement of the RMP will be maintained through receipt of the “Annual Certification of Land-Use Restrictions” from the property owner as part of the NDCSR requirements.

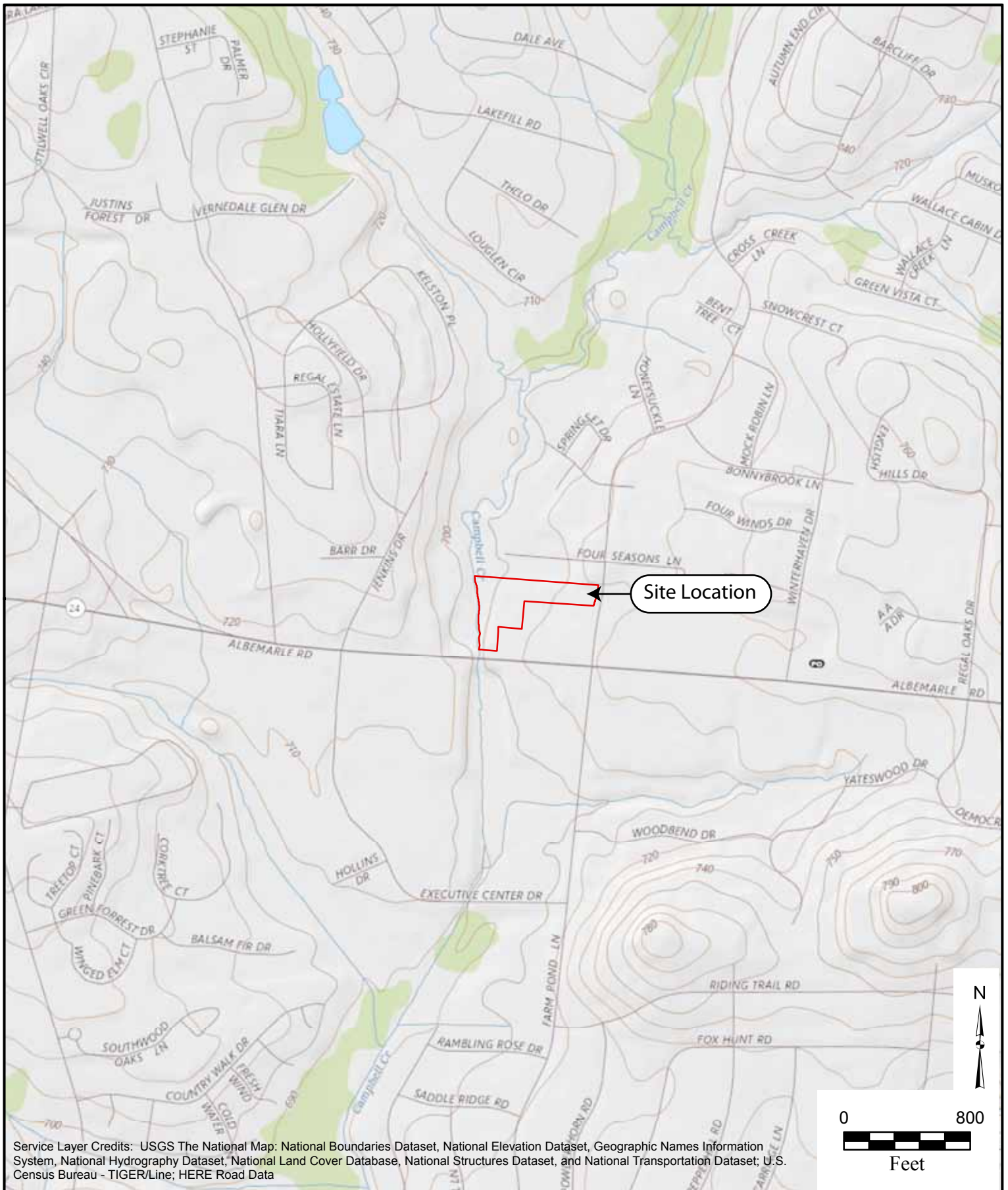
10.0 CONTINGENCY PLAN IF RMP FAILS

As discussed above, unless the DSCA Program is notified of a change in land-use conditions at the subject site, per the notification requirements detailed in this plan, the RMP will remain in effect until the RMP has met its objectives and is considered a success. Pursuant to N.C.G.S. 143-215.104K, if any of the LURs set out in the NDCSR are violated, the owners of the properties at the time the LURs are violated, the owner’s successors and assigns, and the owner’s agents who direct or contract for alteration of the site in violation of the LURs, shall be held liable for the remediation of all contaminants to unrestricted use standards.

11.0 CONCLUSIONS AND RECOMMENDATIONS

AECOM has prepared this RMP for the former April Showers Cleaners (DSCA Site ID DC600096) site on behalf of the DSCA Program. The results of the risk assessment completed for the site indicate that contaminant concentrations do not pose an unacceptable risk with appropriate land-use controls applied to the impacted properties. The contaminant plume associated with the site appears stable or decreasing. This RMP specifies that the NDCSR requirements provide notification that land-use conditions observed during the risk assessment evaluation remain valid in the future. Based on the documentation contained in this report, AECOM recommends issuance of a “No Further Action” letter.

FIGURES



Service Layer Credits: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; U.S. Census Bureau - TIGER/Line; HERE Road Data



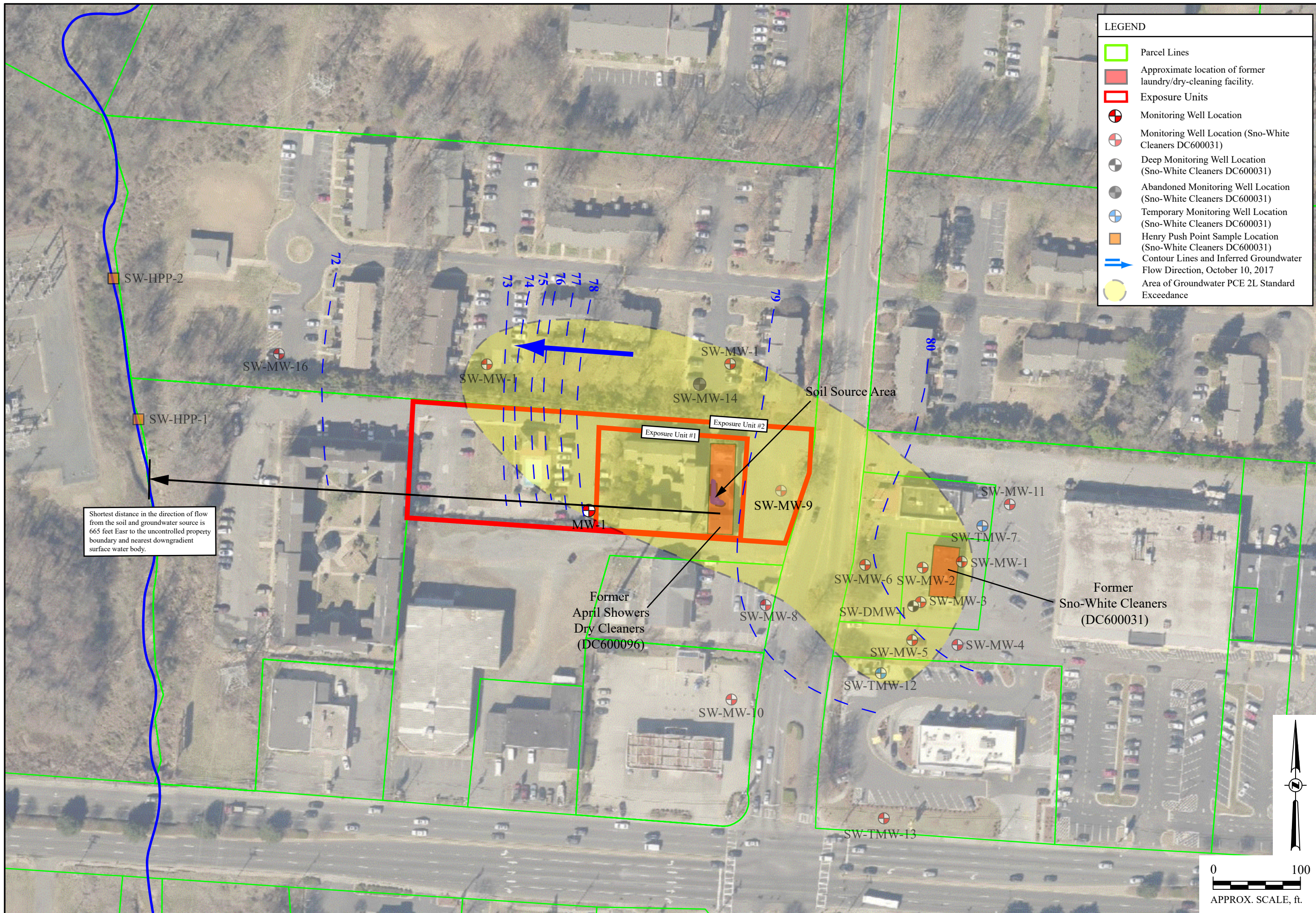
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Site Location Map
April Showers Dry Cleaners
5616 Farm Pond Lane
Charlotte, NC
DSCA Site # DC600096

Drawn By: AJW-12/18/17	Checked By: JTH-12/18/17	Project Number: 60553689
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SHEET:
Figure 1



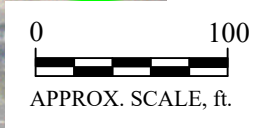
LEGEND

- Parcel Lines
- Approximate location of former laundry/dry-cleaning facility.
- Exposure Units
- Monitoring Well Location
- Monitoring Well Location (Sno-White Cleaners DC600031)
- Deep Monitoring Well Location (Sno-White Cleaners DC600031)
- Abandoned Monitoring Well Location (Sno-White Cleaners DC600031)
- Temporary Monitoring Well Location (Sno-White Cleaners DC600031)
- Henry Push Point Sample Location (Sno-White Cleaners DC600031)
- Contour Lines and Inferred Groundwater Flow Direction, October 10, 2017
- Area of Groundwater PCE 2L Standard Exceedance

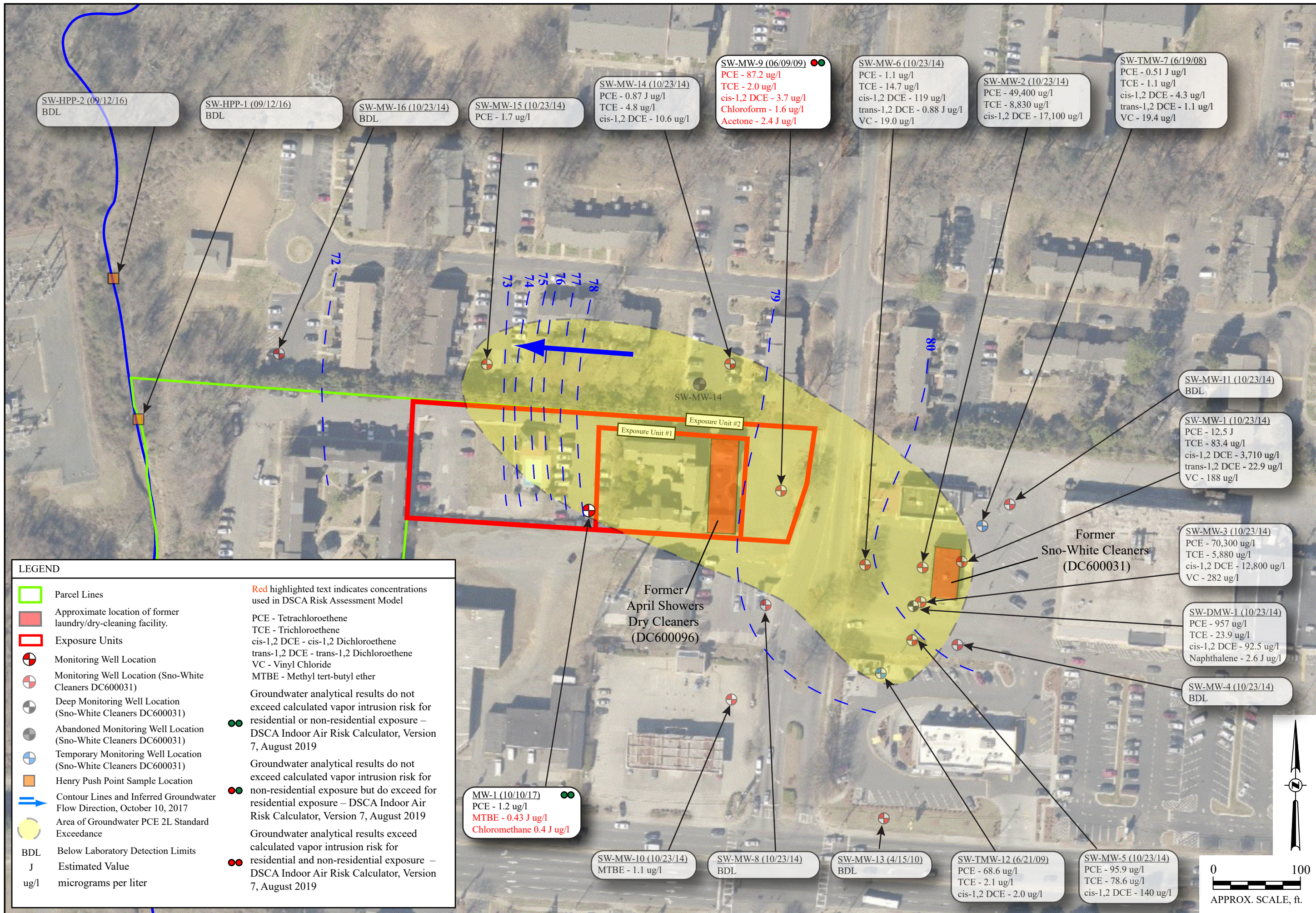
Shortest distance in the direction of flow from the soil and groundwater source is 665 feet East to the uncontrolled property boundary and nearest downgradient surface water body.

Exposure Unit Map
 April Showers Dry Cleaners
 5616 Farm Pond Lane
 Charlotte, NC
 DSCA Site DC600096

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 FAX: (704) 522-4063



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SHEET: Figure 2		



LEGEND

Parcel Lines	Red highlighted text indicates concentrations used in DSCA Risk Assessment Model
Approximate location of former laundry/dry-cleaning facility.	PCE - Tetrachloroethene
Exposure Units	TCE - Trichloroethene
Monitoring Well Location	cis-1,2 DCE - cis-1,2 Dichloroethene
Monitoring Well Location (Sno-White Cleaners DC600031)	trans-1,2 DCE - trans-1,2 Dichloroethene
Deep Monitoring Well Location (Sno-White Cleaners DC600031)	VC - Vinyl Chloride
Abandoned Monitoring Well Location (Sno-White Cleaners DC600031)	MTBE - Methyl tert-butyl ether
Temporary Monitoring Well Location (Sno-White Cleaners DC600031)	Groundwater analytical results do not exceed calculated vapor intrusion risk for residential or non-residential exposure – DSCA Indoor Air Risk Calculator, Version 7, August 2019
Henry Push Point Sample Location	Groundwater analytical results do not exceed calculated vapor intrusion risk for residential exposure but do exceed for residential exposure – DSCA Indoor Air Risk Calculator, Version 7, August 2019
Contour Lines and Inferred Groundwater Flow Direction, October 10, 2017	Groundwater analytical results exceed calculated vapor intrusion risk for residential and non-residential exposure – DSCA Indoor Air Risk Calculator, Version 7, August 2019
Area of Groundwater PCE 2L Standard Exceedance	
BDL Below Laboratory Detection Limits	
J Estimated Value	
ug/l micrograms per liter	

Groundwater Quality Summary Map
April Showers Dry Cleaners
 5616 Farm Pond Lane
 Charlotte, NC
 DSCA Site DC600096

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AECOM

DEQ

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 CHECKED BY: RHM - 11/05/2020
 PROJECT NO.: 60611403

SHEET: **Figure 3**

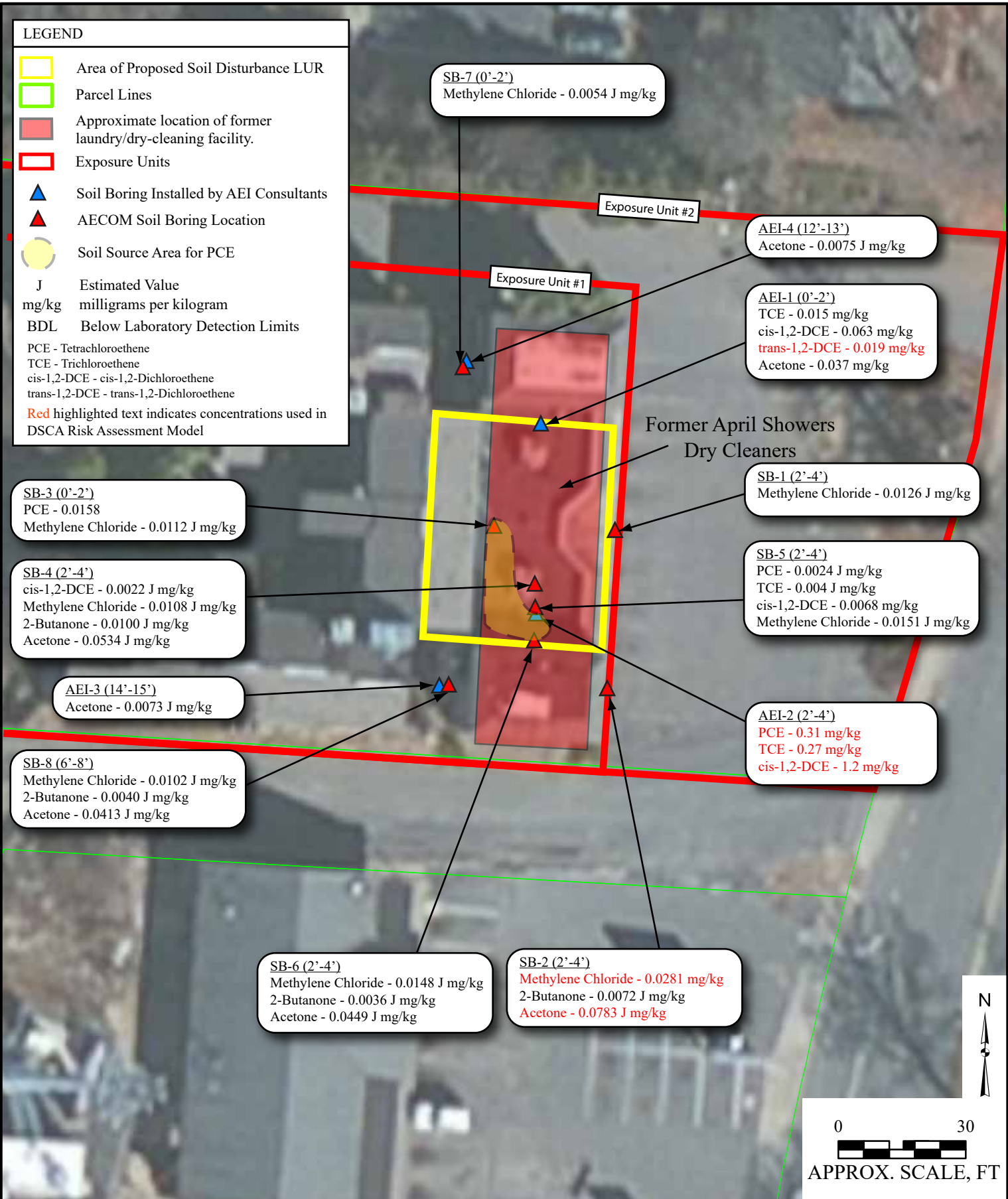
LEGEND

- Area of Proposed Soil Disturbance LUR
- Parcel Lines
- Approximate location of former laundry/dry-cleaning facility.
- Exposure Units
- ▲ Soil Boring Installed by AEI Consultants
- ▲ AECOM Soil Boring Location
- Soil Source Area for PCE

J Estimated Value
 mg/kg milligrams per kilogram
 BDL Below Laboratory Detection Limits

PCE - Tetrachloroethene
 TCE - Trichloroethene
 cis-1,2-DCE - cis-1,2-Dichloroethene
 trans-1,2-DCE - trans-1,2-Dichloroethene

Red highlighted text indicates concentrations used in DSCA Risk Assessment Model



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Soil Quality Summary Map
 April Showers Dry Cleaners
 5616 Farm Pond Lane
 Charlotte, NC
 DSCA Site DC600096

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SHEET:
Figure 4

LEGEND

- Parcel Lines
- Approximate location of former laundry/dry-cleaning facility.
- Exposure Units
- Subslab Vapor Sample
- Indoor/Ambient Air Sample
- Soil Gas Sample
- ▲ Radiello Sample Location
- Unsuccessful Soil Gas Sample Location
- Monitoring Well Location
- Monitoring Well Location (Sno-White Cleaners DC600031)
- Deep Monitoring Well Location (Sno-White Cleaners DC600031)
- Abandoned Monitoring Well Location (Sno-White Cleaners DC600031)
- Temporary Monitoring Well Location (Sno-White Cleaners DC600031)
- Contour Lines and Inferred Groundwater Flow Direction, October 10, 2017
- Area of Groundwater PCE 2L Standard Exceedance
- BDL Below Laboratory Detection Limits

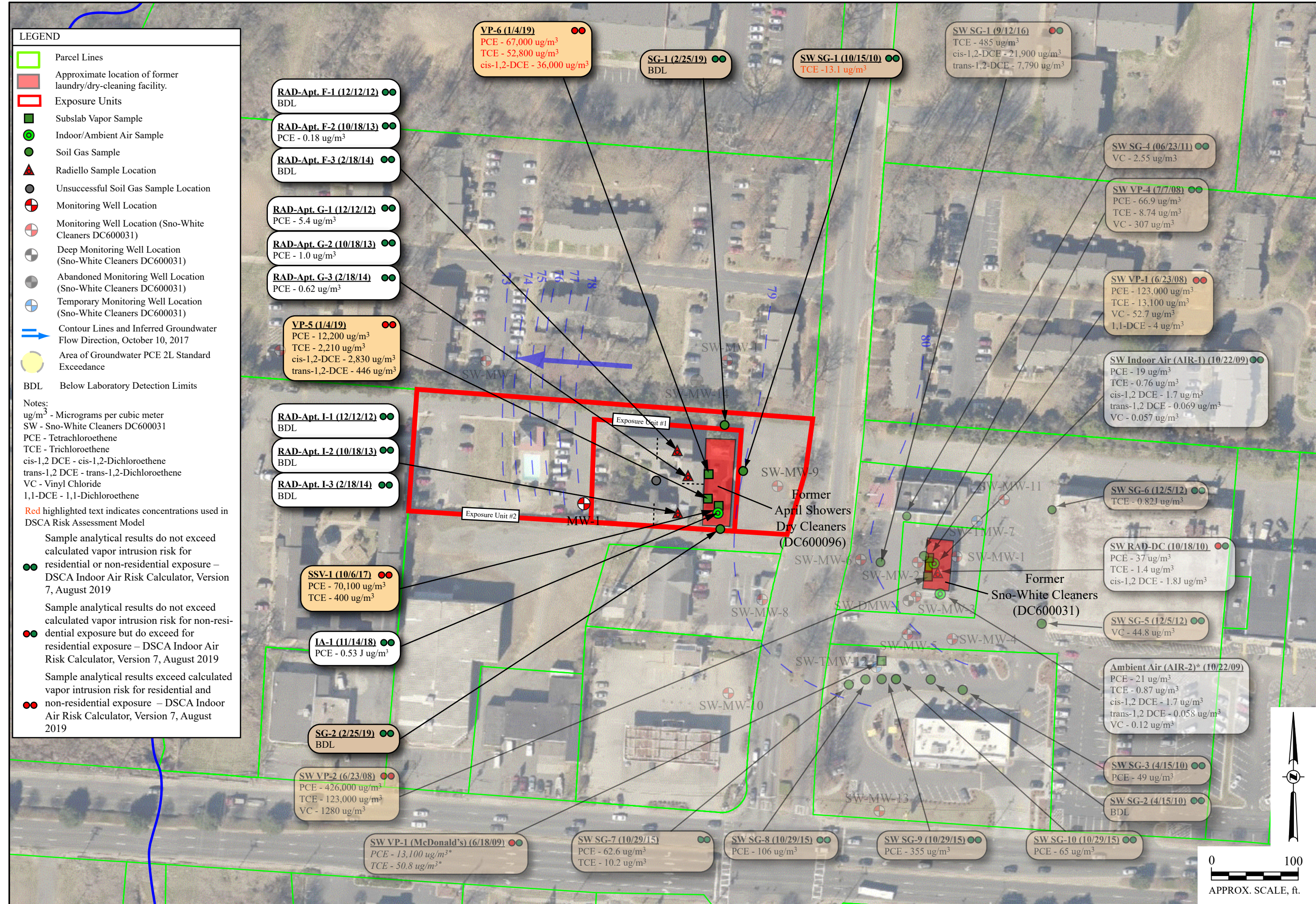
Notes:
 ug/m³ - Micrograms per cubic meter
 SW - Sno-White Cleaners DC600031
 PCE - Tetrachloroethene
 TCE - Trichloroethene
 cis-1,2 DCE - cis-1,2-Dichloroethene
 trans-1,2 DCE - trans-1,2-Dichloroethene
 VC - Vinyl Chloride
 1,1-DCE - 1,1-Dichloroethene

Red highlighted text indicates concentrations used in DSCA Risk Assessment Model

Sample analytical results do not exceed calculated vapor intrusion risk for residential or non-residential exposure – DSCA Indoor Air Risk Calculator, Version 7, August 2019

Sample analytical results do not exceed calculated vapor intrusion risk for non-residential exposure but do exceed for residential exposure – DSCA Indoor Air Risk Calculator, Version 7, August 2019

Sample analytical results exceed calculated vapor intrusion risk for residential and non-residential exposure – DSCA Indoor Air Risk Calculator, Version 7, August 2019



RAD-Apt. F-1 (12/12/12) ●●
BDL

RAD-Apt. F-2 (10/18/13) ●●
PCE - 0.18 ug/m³

RAD-Apt. F-3 (2/18/14) ●●
BDL

RAD-Apt. G-1 (12/12/12) ●●
PCE - 5.4 ug/m³

RAD-Apt. G-2 (10/18/13) ●●
PCE - 1.0 ug/m³

RAD-Apt. G-3 (2/18/14) ●●
PCE - 0.62 ug/m³

VP-5 (1/4/19) ●●
PCE - 12,200 ug/m³
TCE - 2,210 ug/m³
cis-1,2-DCE - 2,830 ug/m³
trans-1,2-DCE - 446 ug/m³

RAD-Apt. I-1 (12/12/12) ●●
BDL

RAD-Apt. I-2 (10/18/13) ●●
BDL

RAD-Apt. I-3 (2/18/14) ●●
BDL

SSV-1 (10/6/17) ●●
PCE - 70,100 ug/m³
TCE - 400 ug/m³

IA-1 (11/14/18) ●●
PCE - 0.53 J ug/m³

SG-2 (2/25/19) ●●
BDL

SW VP-2 (6/23/08) ●●
PCE - 426,000 ug/m³
TCE - 123,000 ug/m³
VC - 1280 ug/m³

SW VP-1 (McDonald's) (6/18/09) ●●
PCE - 13,100 ug/m³*
TCE - 50.8 ug/m³*

VP-6 (1/4/19) ●●
PCE - 67,000 ug/m³
TCE - 52,800 ug/m³
cis-1,2-DCE - 36,000 ug/m³

SG-1 (2/25/19) ●●
BDL

SW SG-1 (10/15/10) ●●
TCE - 13.1 ug/m³

SW SG-1 (9/12/16) ●●
TCE - 485 ug/m³
cis-1,2-DCE - 21,900 ug/m³
trans-1,2-DCE - 7,790 ug/m³

SW SG-4 (06/23/11) ●●
VC - 2.55 ug/m³

SW VP-4 (7/7/08) ●●
PCE - 66.9 ug/m³
TCE - 8.74 ug/m³
VC - 307 ug/m³

SW VP-1 (6/23/08) ●●
PCE - 123,000 ug/m³
TCE - 13,100 ug/m³
VC - 52.7 ug/m³
1,1-DCE - 4 ug/m³

SW Indoor Air (AIR-1) (10/22/09) ●●
PCE - 19 ug/m³
TCE - 0.76 ug/m³
cis-1,2 DCE - 1.7 ug/m³
trans-1,2 DCE - 0.069 ug/m³
VC - 0.057 ug/m³

SW SG-6 (12/5/12) ●●
TCE - 0.82J ug/m³

SW RAD-DC (10/18/10) ●●
PCE - 37 ug/m³
TCE - 1.4 ug/m³
cis-1,2 DCE - 1.8J ug/m³

SW SG-5 (12/5/12) ●●
VC - 44.8 ug/m³

Ambient Air (AIR-2)* (10/22/09) ●●
PCE - 21 ug/m³
TCE - 0.87 ug/m³
cis-1,2 DCE - 1.7 ug/m³
trans-1,2 DCE - 0.058 ug/m³
VC - 0.12 ug/m³

SW SG-3 (4/15/10) ●●
PCE - 49 ug/m³

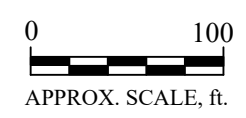
SW SG-2 (4/15/10) ●●
BDL

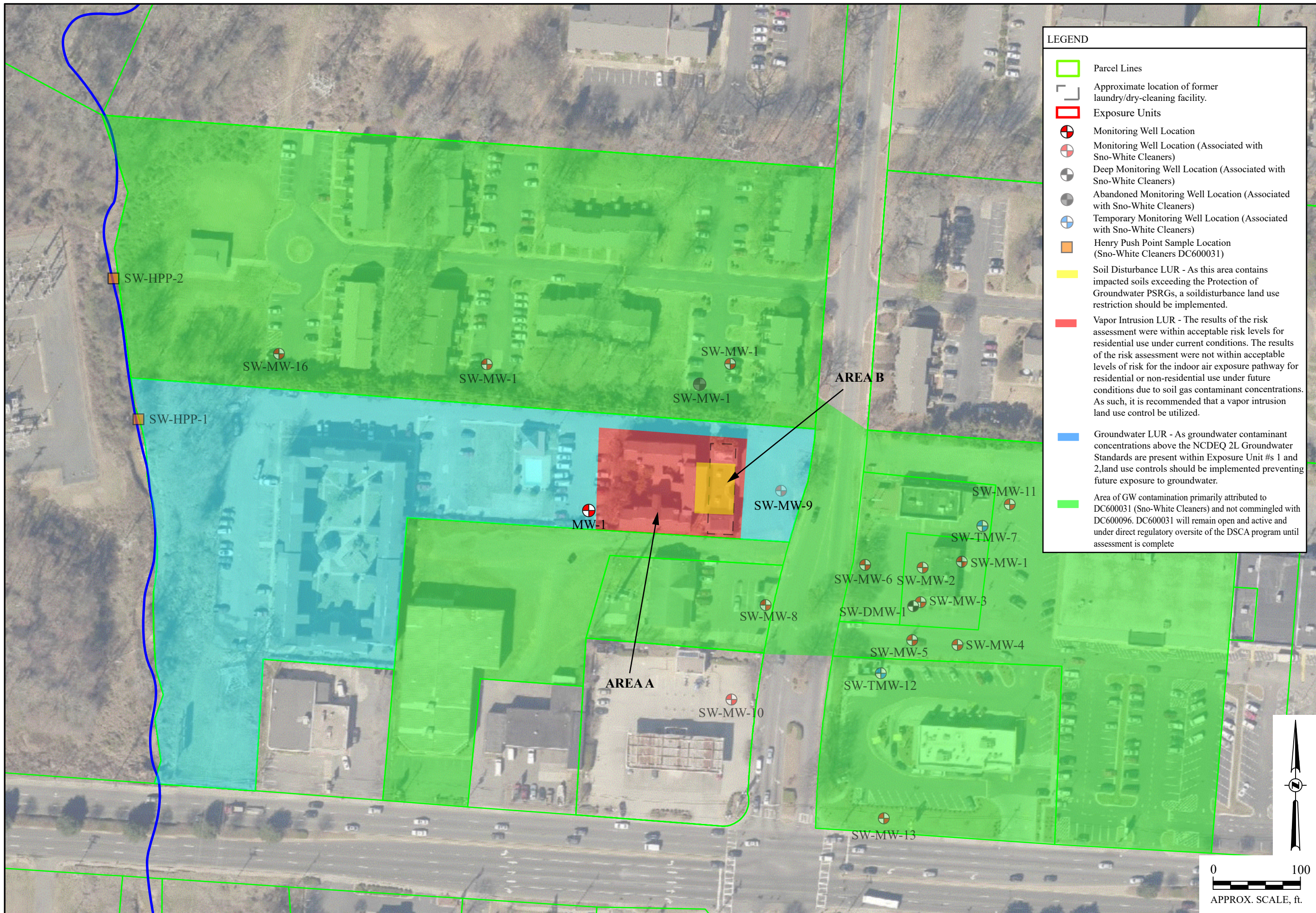
SW SG-7 (10/29/15) ●●
PCE - 62.6 ug/m³
TCE - 10.2 ug/m³

SW SG-8 (10/29/15) ●●
PCE - 106 ug/m³

SW SG-9 (10/29/15) ●●
PCE - 355 ug/m³

SW SG-10 (10/29/15) ●●
PCE - 65 ug/m³



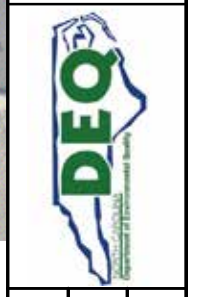


LEGEND

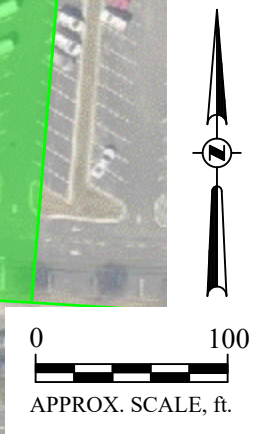
- Parcel Lines
- Approximate location of former laundry/dry-cleaning facility.
- Exposure Units
- +
 Monitoring Well Location
- +
 Monitoring Well Location (Associated with Sno-White Cleaners)
- +
 Deep Monitoring Well Location (Associated with Sno-White Cleaners)
- +
 Abandoned Monitoring Well Location (Associated with Sno-White Cleaners)
- +
 Temporary Monitoring Well Location (Associated with Sno-White Cleaners)
- +
 Henry Push Point Sample Location (Sno-White Cleaners DC600031)
- Soil Disturbance LUR - As this area contains impacted soils exceeding the Protection of Groundwater PSRGs, a soil disturbance land use restriction should be implemented.
- Vapor Intrusion LUR - The results of the risk assessment were within acceptable risk levels for residential use under current conditions. The results of the risk assessment were not within acceptable levels of risk for the indoor air exposure pathway for residential or non-residential use under future conditions due to soil gas contaminant concentrations. As such, it is recommended that a vapor intrusion land use control be utilized.
- Groundwater LUR - As groundwater contaminant concentrations above the NCDEQ 2L Groundwater Standards are present within Exposure Unit #s 1 and 2, land use controls should be implemented preventing future exposure to groundwater.
- Area of GW contamination primarily attributed to DC600031 (Sno-White Cleaners) and not commingled with DC600096. DC600031 will remain open and active and under direct regulatory oversight of the DSCA program until assessment is complete

Land Use Control Areas Map
 April Showers Dry Cleaners
 5616 Farm Pond Lane
 Charlotte, NC
 DSCA Site DC600096

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SHEET: Figure 6		

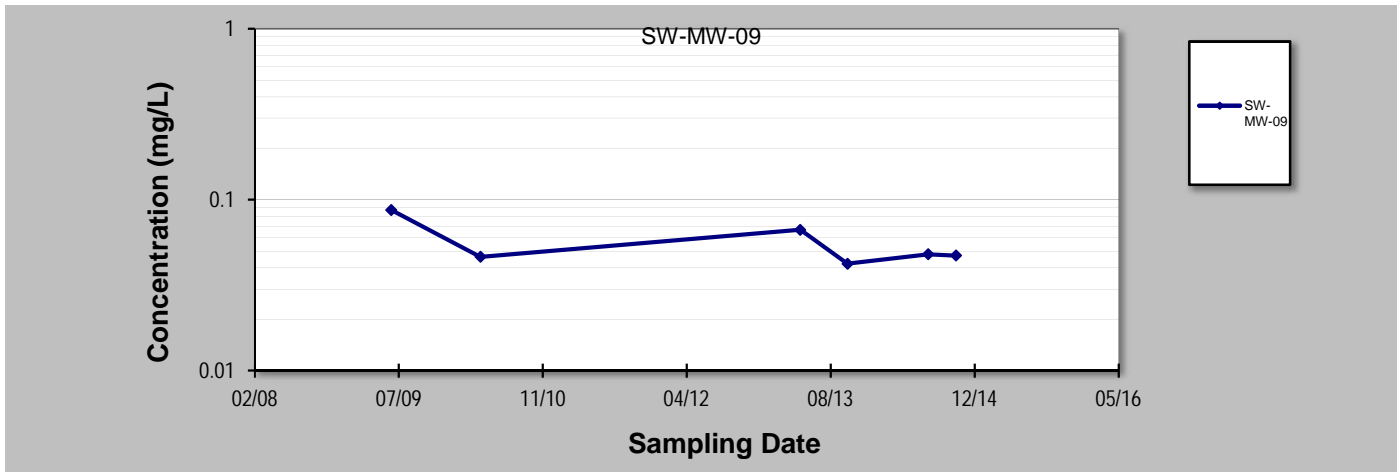


APPENDIX A
PLUME STABILITY DEMONSTRATION

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 26-Nov-19	Job ID: 60611403
Facility Name: Sno-White Cleaners (DC600031)	Constituent: Tetrachloroethene (PCE)
Conducted By: Matthew Stone	Concentration Units: mg/L
Sampling Point ID: SW-MW-09	

Sampling Event	Sampling Date	TETRACHLOROETHENE (PCE) CONCENTRATION (mg/L)				
1	9-Jun-09	0.0872				
2	15-Apr-10	0.0463				
3	30-Apr-13	0.0667				
4	11-Oct-13	0.0422				
5	18-Jul-14	0.0479				
6	23-Oct-14	0.0471				
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
Coefficient of Variation:		0.31				
Mann-Kendall Statistic (S):		-5				
Confidence Factor:		76.5%				
Concentration Trend:		Stable				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

DISCLAIMER: The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.

APPENDIX B
LEVEL I ECOLOGICAL RISK ASSESSMENT CHECKLISTS

**Level 1 Ecological Risk Assessment
Checklist A for Potential Receptors and Habitat
April Showers Cleaners, DSCA Site ID DC600096**

- 1. Are there any navigable water bodies or tributaries to a navigable water body on or within the one-half mile of this site?** Yes. Based on review of the United States Geological Survey (USGS) Topographic Map of Charlotte East, North Carolina, dated 2019, and the USGS Topographic Map of Mint Hill, North Carolina, dated 2019, the following surface water bodies were identified within one-half mile of the site: Campbell Creek and its tributaries (approximately 665 feet west). The site, the referenced topographic maps, and navigable surface water body locations are depicted in the previously attached **Figure 1**.
- 2. Are there any water bodies anywhere on or within the one-half mile of the site?** Yes. The above referenced Campbell Creek and its tributaries are located within a one-half mile radius of the site. As documented in the EDR NEPASearch™ Map Report (**Appendix B-1**), portions of the site and surrounding properties along Campbell Creek were also identified within special flood hazard areas.
- 3. Are there any wetland areas such as marshes or swamps on or within one-half mile of the site?** Yes. According to the EDR NEPASearch™ Map Report (**Appendix B-1**), the National Wetland Inventory (NWI) identified four wetland features within one-half mile of the site. Off-site wetland features include:

 - PFO1A - [P] Palustrine, [FO] Forested, [1] Broad-Leveled Deciduous, [A] Temporary Flooded approximately 692 feet southwest;
 - PFO1A - [P] Palustrine, [FO] Forested, [1] Broad-Leveled Deciduous, [A] Temporary Flooded approximately 769 feet northwest;
 - PFO1A - [P] Palustrine, [FO] Forested, [1] Broad-Leveled Deciduous, [A] Temporary Flooded approximately 1,455 feet north; and,
 - PFO1A - [P] Palustrine, [FO] Forested, [1] Broad-Leveled Deciduous, [A] Temporary Flooded approximately 2,012 feet south.
- 4. Are there any sensitive environmental areas on or within one-half mile of the site?** Yes. The above referenced surface water body, special flood hazard areas, and four wetland features.
- 5. Are there any areas on or within one-half mile of the site owned or used by local tribes?** No. None were identified by the Indian Reservation Database.
- 6. Are there any habitat, foraging area or refuge by rare, threatened, endangered, candidate and/or proposed species (plants or animals), or any otherwise protected species on or within one-half mile of the site?** Potentially. The EDR NEPASearch™ Map Report (**Appendix B-1**) identified four endangered species and two federal species of concern (FSCs) within Mecklenburg County: 1) the Carolina heelsplitter (invertebrate clam); 2) Michaux's sumac (flowering plant); 3) Tall larkspur (flowering plant); 4) the

Schweinitz's sunflower (flowering plant); 5) Smooth Coneflower (flowering plant); and 6) Little brown bat (mammal). In addition, the US Fish and Wildlife Service (FWS) identified the following one federal species of concern (FSCs), one resolved taxon, two under review, one proposed threatened, and one candidate in Mecklenburg County (<https://ecos.fws.gov/ecp/report/species-listings-by-current-range-county?fips=37119>).

To obtain an official list, the Information for Planning and Consultation (IPaC) website can be visited. The Piedmont Aster (flowering plant) was identified as FSCs; the Georgia aster (vascular plant) is listed as resolved taxon; the Little brown bat (vertebrate) and the Tricolored bat (vertebrate) is listed as under review; the Atlantic pigtoe (invertebrate clam) is listed as proposed threatened; and the monarch butterfly (insect) is listed as a candidate. However, none of these species have specifically been identified at or within one-half mile of the site.

7. **Are there any breeding, roosting or feeding areas by migratory bird species on or within one-half mile of the site?** Potentially. Although the North Carolina Audubon Society (<http://netapp.audubon.org/iba/state/US-NC>) does not identify any Important Bird Areas (IBAs) within one-half mile of the site. One BGPA was identified in Mecklenburg County by the US FWS; however, no BGPA's have specifically been identified within one-half mile of the site.
8. **Are there any ecologically, recreationally or commercially important species on or within one-half mile of the site?** No. None have been identified.
9. **Are there any threatened and/or endangered species (plant or animal) on or within one-half mile of the site?** Potentially. The EDR NEPASearchTM Map Report (Appendix B-1) identified four endangered species and two federal species of concern (FSCs) within Mecklenburg County: 1) the Carolina heelsplitter (invertebrate clam); 2) Michaux's sumac (flowering plant); 3) Tall larkspur (flowering plant); 4) the Schweinitz's sunflower (flowering plant); 5) Smooth Coneflower (flowering plant); and 6) Little brown bat (mammal). In addition, the US Fish and Wildlife Service (FWS) identified the following one federal species of concern (FSCs), one resolved taxon, two under review, one proposed threatened, and one candidate in Mecklenburg County (<https://ecos.fws.gov/ecp/report/species-listings-by-current-range-county?fips=37119>). To obtain an official list, the Information for Planning and Consultation (IPaC) website can be visited. The Piedmont Aster (flowering plant) was identified as FSCs; the Georgia aster (vascular plant) is listed as resolved taxon; the Little brown bat (vertebrate) and the Tricolored bat (vertebrate) is listed as under review; the Atlantic pigtoe (invertebrate clam) is listed as proposed threatened; and the monarch butterfly (insect) is listed as a candidate. However, none of these species have specifically been identified at or within one-half mile of the site. With the exception of the Schweinitz' sunflower, none of these species have specifically been identified at or within one-half mile of the site. Although an endangered vascular plant was historically identified at the site, the accuracy of this listing is not reported and the likelihood of this species thriving at the site is low given the current use of the property.

If the answer is "Yes" to any of the above questions, then complete Level 1 Ecological Risk Assessment, Checklist B for Potential Exposure Pathways.

Wetlands are defined in 40 CFR §232.2 as “areas inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances does support, a prevalence of vegetation typically adapted for life in saturated soil conditions.” The sources to make the determination whether or not wetland areas are present may include, but not limited to, national wetland inventory available at <http://nwi.fw.gov>, federal or state agency, and USGS topographic maps. Areas that provide unique and often protected habitat for wildlife species. These areas typically used during critical life stages such as breeding, rearing or young and overwintering. Refer to Attachment 1 for examples of sensitive environments. Ecologically important species include populations of species which provide a critical food resource for higher organisms. Ecologically important species include pests an opportunistic species that populate an area if they serve as a food source for other species, but do not include domesticated animals or plants/animals whose existence is maintained by continuous human interventions.

March 2007

DSCA Program

Level 1 Ecological Risk Assessment
Checklist B for Potential Receptors and Habitat
April Showers Cleaners DSCA Site ID DC600096

1A. Can chemicals associated with the site leach, dissolve, or otherwise migrate to groundwater? Yes. The primary contaminant of concern (COC) is tetrachloroethylene (PCE) and its daughter products: trichloroethylene (TCE), cis-1,2-dichloroethylene (cis-1,2-DCE, trans-1,2-dichloroethylene (trans-1,2-DCE) and vinyl chloride (VC).

1B. Are chemicals associated with the site mobile in groundwater? Yes.

1C. Does groundwater from the site discharge to ecological receptor habitat? Potentially. Groundwater flow beneath the site appears to be variable with the primary flow direction interpreted to be to the west. As such, groundwater likely discharges to Campbell Creek approximately 665 feet west of the site.

Question 1. Could chemicals associated with the site reach ecological receptors through groundwater? Potentially. The variable groundwater flow direction beneath the site is interpreted to be primarily to the west towards Campbell Creek approximately 665 feet west.

It should be noted that the April Showers Cleaners (DC600096) site is located immediately west and downgradient of the Sno-White Cleaners (DC600031) site. Based on a review of comprehensive assessment data generated for both sites, groundwater impacts beneath the site appear to be indistinguishably commingled with and overwhelmingly attributable to historic dry-cleaning operations associated with the former Sno-White Cleaners (DC600031).

2A. Are chemicals present in surface soils on the site? Yes. COCs have been identified at 0-4 feet below ground surface (bgs) at the site.

2B. Can chemicals be leached from or be transported by erosion of surface soils on the site? Not likely. Although low levels of the COCs have been identified in surface soils beneath the site, the presumed soil source area(s) were identified under the footprint of the former April Showers Cleaners (DC600096) tenant space. Therefore, leaching and erosion are not likely concerns.

Question 2. Could chemicals associated with the site reach ecological receptors through runoff or erosion? Not likely. Although low levels of the COCs have been identified in surface soils beneath the site, the presumed soil source area(s) were identified under the footprint of the April Showers Cleaners (DC600096) tenant space. Therefore, erosion and runoff are not likely concerns.

3A. Are chemicals present in surface soil or on the surface of the ground? Yes.

3B. Are potential ecological receptors on the site? Potentially. The EDR NEPACheck® report indicates that an endangered vascular plant has been historically identified at the site. However, this accuracy of this listing is not reported and the likelihood of this species thriving at the site is low given the current use of the property.

Question 3. Could chemicals associated with the site reach ecological receptors through direct contact? Not likely. Low levels of the COCs have been identified in surface soils beneath the footprint of the former April Showers Cleaners (DC600096)

tenant space. Potentially. Low levels of the COCs have been identified in landscaped areas of the site. However, the presumed soil source area(s) were identified under impervious surfaces.

4A. Are chemicals on the site volatile? Yes.

4B. Could chemicals on the site be transported in air as dust or particulate matter? Not likely. Although low levels of the COCs have been identified in surface soils beneath the site, the presumed soil source area(s) were identified under footprint of the former April Showers Cleaners (DC600096) tenant space. Therefore, windblown dust and particulate matter are not likely concerns.

Question 4. Could chemicals associated with the site reach ecological receptors through inhalation of volatilized chemicals or adhered chemicals to dust in ambient air or in subsurface burrows? Yes. Indoor/ambient air quality sampling conducted on October 6, 2015 indicated that ambient air quality at the site was within acceptable limits but that the indoor air quality at the site was only suitable for commercial use. Subslab vapor sampling conducted on October 7, 2015 identified elevated COC concentrations; however, no burrowing animals have been observed or would be expected beneath the impervious surfaces at the site. Therefore, inhalation of COCs is not a likely concern for ecological receptors. The subslab and indoor/ambient air quality sampling results were documented in the Vapor Intrusion-Related Sampling Results dated December 4, 2015.

5A. Is Non-Aqueous Phase Liquid (NAPL) present at the site? No.

5B. Is NAPL migrating? Not applicable.

5C. Could NAPL discharge occur where ecological receptors are found? Not applicable.

Question 5. Could chemicals associated with site reach ecological receptors through migration of NAPL? Not applicable.

6A. Are chemicals present in surface and shallow subsurface soils or on the surface of the ground? Yes. Site COCs have been identified at 0-4 feet bgs.

6B. Are chemicals found in soil on the site taken up by plants growing on the site? No

6C. Do potential ecological receptors on or near the site feed on plants (e.g., grasses, shrubs, forbs, trees, etc.) found on the site? None have been specifically identified.

6D. Do chemicals found on the site bioaccumulate? No. The primary COC is PCE, which has a low bioaccumulation potential and is not likely to accumulate in the tissue of organisms through respiration, ingestion, or direct contact.

Question 6. Could chemicals associated with the site reach ecological receptors through direct ingestion of soil, plants animals or contaminants? Not likely. Surface and/or shallow subsurface soil impacts are beneath the footprint of the former April Showers Cleaners (DC600096) tenant space, and surficial groundwater impacts within the site vicinity were identified at depths greater than 10 feet below bgs. In addition, no “active” water supply wells (for drinking water purposes) have been identified within 1,500 feet of the site.

If the answer to one or more of the above six questions is “Yes”, the DEQ may require further assessment to determine whether the site poses an unacceptable risk to ecological receptors.

APPENDIX B-1
EDR NEPASEARCH™ MAP REPORT

April Showers DC600096

5616 Farm Pond Lane
Charlotte, NC 28212

Inquiry Number: 6535636.5s
June 14, 2021

EDR NEPAsSearch™ Map Report



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

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

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EDR NEPASearch DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPASearch Map Report provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

TARGET PROPERTY ADDRESS

APRIL SHOWERS DC600096
5616 FARM POND LANE
CHARLOTTE, NC 28212

Inquiry #: 6535636.5s
Date: 6/14/21

TARGET PROPERTY COORDINATES

Latitude (North):	35.204205 - 35° 12' 15.1"
Longitude (West):	80.739021 - 80° 44' 20.5"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	523755.8
UTM Y (Meters):	3895522.0

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Section	Regulation
Natural Areas Map	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
Flood Plain Map	
• National Flood Hazard Layer Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
• FEMA Q3 Flood Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
• State Wetlands Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
FCC & FAA Map	
• FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient	47 CFR 1.1307(8)

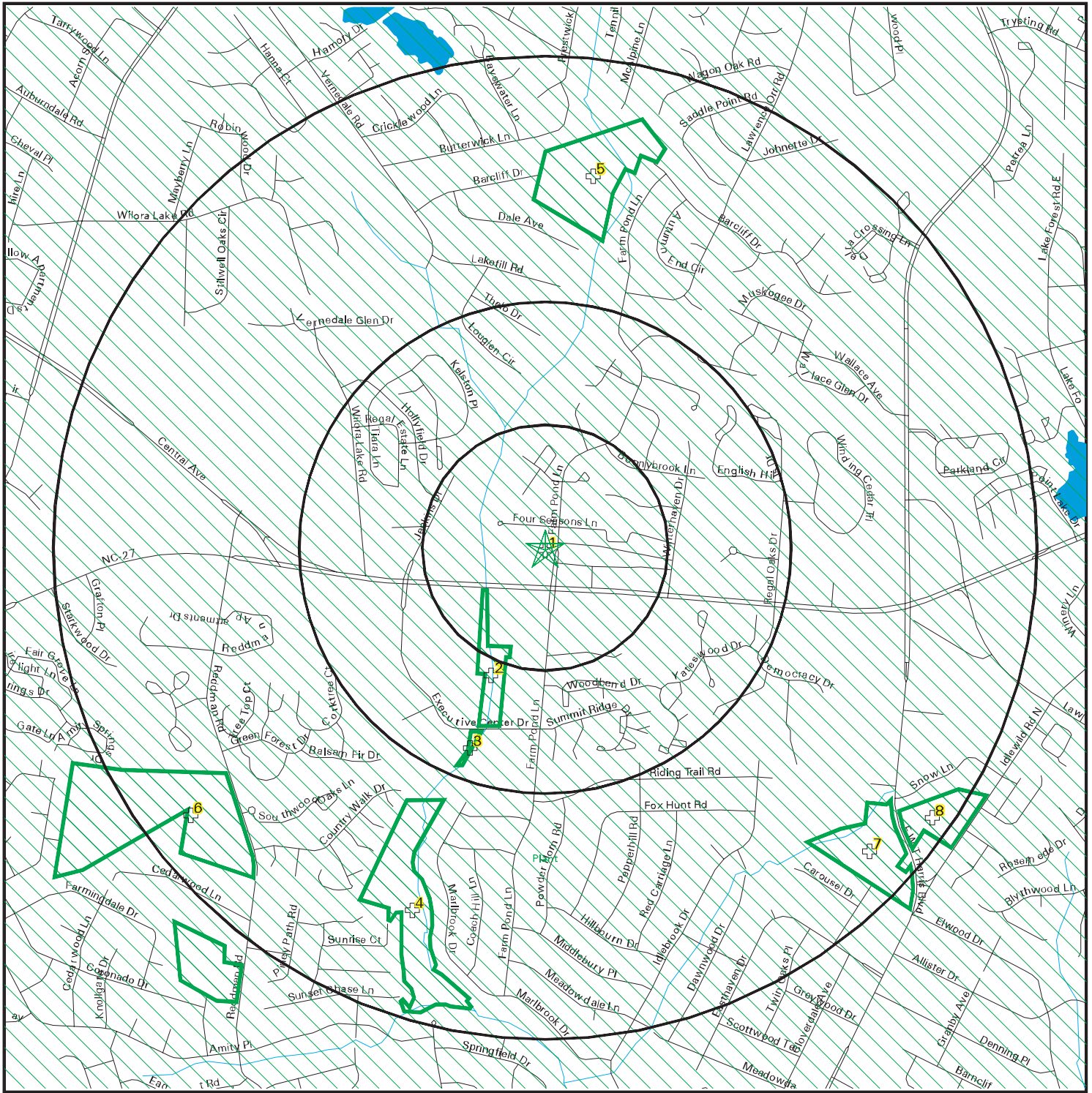
Key Contacts and Government Records Searched

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 47 of this report.

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
<u>NATURAL AREAS MAP</u>				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
	US Wilderness Preservation	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
	NC Natural Areas	1.00	NO	NO
	NC Natural Heritage Areas	1.00	NO	NO
	NC Managed Areas	1.00	YES	NO
	US ACEC	1.00	NO	NO
	US Proclamation Boundaries	1.00	NO	NO
	US Scenic River	1.00	NO	NO
	Conservation Easements	1.00	NO	NO
	US NCED	1.00	NO	NO
	US Critical Water Habitat	1.00	NO	NO
	US Critical Land Habitat	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	US Endangered Species	County	YES	N/A
1.1307a (3) Threatened or Endangered Species or Critical Habitat	Natural Heritage Element Occur	1.00	YES	YES
<u>HISTORIC SITES MAP</u>				
1.1307a (4) Listed or eligible for National Register	NC NR, SL, DOE Boundaries	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	NC Historic Preservation Sites	1.00	YES	NO
1.1307a (4) Listed or eligible for National Register	NC Local District Boundaries	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	Potomac Heritage National Scen	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	Natchez Trace National Scenic	1.00	NO	NO
	Indian Reservations	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	US Trails	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	National Register of Hist. Pla	1.00	NO	NO
<u>FLOOD PLAIN MAP</u>				
1.1307 (6) Located in a Flood Plain	Special Flood Hazard Area (1%)	1.00	YES	YES
1.1307 (6) Located in a Flood Plain	0.2% Annual Chance Flood Hazar	1.00	NO	NO
<u>WETLANDS MAP</u>				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	NO
1.1307 (7) Change in surface features (wetland fill)	STATE	1.00	NO	NO
	NC COASTAL ZONE	20.00	NO	NO
<u>FCC & FAA SITES MAP</u>				
	Cellular	1.00	NO	NO
	Antenna Structure Registration	1.00	NO	NO
	AM Antenna	1.00	NO	NO
	FM Antenna	1.00	NO	NO
	FAA DOF	1.00	NO	NO
	Airports	1.00	NO	---
	Power Lines	1.00	YES	---

Natural Areas Map



- ★ Target Property
- ⊕ Locations
- ⚡ Roads
- ▨ Federal Areas
- ⚡ County Boundary
- ⚡ Federal Linear Features
- ⚡ Waterways
- ⚡ State Areas
- Water
- ⚡ State Linear Features



SITE NAME: April Showers DC600096
 ADDRESS: 5616 Farm Pond Lane
 Charlotte NC 28212
 LAT/LONG: 35.204205 / 80.739024

CLIENT: AECOM
 CONTACT: Matthew Stone
 INQUIRY #: 6535636.5s
 DATE: June 14, 2021

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for MECKLENBURG County

Group:Clams

Common Name: Carolina heelsplitter
Status: Endangered

Scientific Name: Lasmigona decorata

Group:Flowering Plants

Common Name: Michaux's sumac
Status: Endangered

Scientific Name: Rhus michauxii

Common Name: Tall larkspur
Status: Species of Concern

Scientific Name: Delphinium exaltatum

Common Name: Schweinitz's sunflower
Status: Endangered

Scientific Name: Helianthus schweinitzii

Common Name: Smooth coneflower
Status: Endangered

Scientific Name: Echinacea laevigata

Group:Mammals

Common Name: Little brown bat
Status: Species of Concern

Scientific Name: Myotis lucifugus

Federal Endangered Species from the U.S. Fish and Wildlife for NC State

Group:Amphibians

Common Name: Carolina crawfish frog
Status: Species of Concern

Scientific Name: Rana areolata capito

Common Name: Cheoah Bald salamander
Status: Under Review

Scientific Name: Plethodon cheoah

Common Name: Seepage salamander
Status: Under Review

Scientific Name: Desmognathus aeneus

Common Name: Hellbender
Status: Under Review

Scientific Name: Cryptobranchus alleganiensis

Common Name: Chamberlain's Dwarf salamander
Status: Under Review

Scientific Name: Eurycea chamberlaini

Common Name: Eastern Hellbender
Status: Species of Concern

Scientific Name: Cryptobranchus alleganiensis alleganiensis

Common Name: South Mountain gray-cheeked salamander
Status: Under Review

Scientific Name: Plethodon meridianus

Common Name: Green salamander
Status: Under Review

Scientific Name: Aneides aeneus

Common Name: Neuse River waterdog
Status: Under Review

Scientific Name: Necturus lewisi

Group:Arachnids

Common Name: Lost Nantahala Cave spider
Status: Species of Concern

Scientific Name: Nesticus cooperi

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Group:Birds

Common Name: Black-capped petrel Status: Under Review	Scientific Name: <i>Pterodroma hasitata</i>
Common Name: Migrant loggerhead shrike Status: Species of Concern	Scientific Name: <i>Lanius ludovicianus migrans</i>
Common Name: Black Rail Status: Under Review	Scientific Name: <i>Laterallus jamaicensis</i>
Common Name: Golden-winged warbler Status: Under Review	Scientific Name: <i>Vermivora chrysoptera</i>
Common Name: Red knot Status: Threatened	Scientific Name: <i>Calidris canutus rufa</i>
Common Name: Eastern painted bunting Status: Species of Concern	Scientific Name: <i>Passerina ciris ciris</i>

Group:Clams

Common Name: Yellow lampmussel Status: Species of Concern	Scientific Name: <i>Lampsilis cariosa</i>
Common Name: Neuse slabshell Status: Species of Concern	Scientific Name: <i>Elliptio judithae</i>
Common Name: Savannah lilliput Status: Under Review	Scientific Name: <i>Toxolasma pullus</i>
Common Name: Yellow lance Status: Under Review	Scientific Name: <i>Elliptio lanceolata</i>
Common Name: Green floater Status: Under Review	Scientific Name: <i>Lasmigona subviridis</i>
Common Name: Brook floater Status: Under Review	Scientific Name: <i>Alasmidonta varicosa</i>
Common Name: Tennessee pigtoe Status: Under Review	Scientific Name: <i>Pleuronaia barnesiana</i>
Common Name: Atlantic pigtoe Status: Under Review	Scientific Name: <i>Fusconaia masoni</i>
Common Name: Alabama rainbow Status: Under Review	Scientific Name: <i>Villosa nebulosa</i>
Common Name: Waccamaw lance Status: Species of Concern	Scientific Name: <i>Elliptio</i> sp.
Common Name: Longsolid Status: Under Review	Scientific Name: <i>Fusconaia subrotunda</i>
Common Name: Cumberland moccasinshell	Scientific Name: <i>Medionidus conradicus</i>

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Status: Under Review

Group: Conifers and Cycads

Common Name: Carolina hemlock

Scientific Name: *Tsuga caroliniana*

Status: Under Review

Group: Crustaceans

Common Name: Grandfather Mountain crayfish

Scientific Name: *Cambarus eeseehensis*

Status: Under Review

Common Name: Chauga crayfish

Scientific Name: *Cambarus chaugaensis*

Status: Under Review

Common Name: Little Tennessee crayfish

Scientific Name: *Cambarus georgiae*

Status: Under Review

Common Name: [Unnamed] ostracod

Scientific Name: *Waltoncythere acuta*

Status: Species of Concern

Common Name: Croatan crayfish

Scientific Name: *Procambarus plumimanus*

Status: Species of Concern

Common Name: Carolina skistodiaptomus

Scientific Name: *Skistodiaptomus carolinensis*

Status: Species of Concern

Common Name: Hiwassee crayfish

Scientific Name: *Cambarus hiwasseeensis*

Status: Species of Concern

Common Name: Bennets Mill Cave water slater

Scientific Name: *Caecidotea carolinensis*

Status: Species of Concern

Common Name: Tidewater amphipod

Scientific Name: *Stygobromus indentatus*

Status: Under Review

Common Name: Carolina well diacyclops

Scientific Name: *Diacyclops jeanneli putei*

Status: Species of Concern

Common Name: Pee Dee lotic crayfish

Scientific Name: *Procambarus lepidodactylus*

Status: Species of Concern

Common Name: Yancey sideswimmer

Scientific Name: *Stygobromus carolinensis*

Status: Species of Concern

Common Name: New River riffle crayfish

Scientific Name: *Cambarus chasmodactylus*

Status: Status Undefined

Common Name: Oconee crayfish ostracod

Scientific Name: *Cymocythere clavata*

Status: Species of Concern

Common Name: Grayson crayfish ostracod

Scientific Name: *Ascetocythere cosmata*

Status: Species of Concern

Common Name: Albermarle crayfish

Scientific Name: *Procambarus medialis*

Status: Species of Concern

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Status: Species of Concern

Common Name: Robust redhorse
Status: Under Review

Scientific Name: *Moxostoma robustum*

Group: Flowering Plants

Common Name: Carolina goldenrod
Status: Species of Concern

Scientific Name: *Solidago pulchra*

Common Name: Purpuledisk honeycombhead
Status: Species of Concern

Scientific Name: *Balduina atropurpurea*

Common Name: [Unnamed] sedge
Status: Species of Concern

Scientific Name: *Carex schweinitzii*

Common Name: Pineland plantain
Status: Species of Concern

Scientific Name: *Plantago sparsiflora*

Common Name: No common name
Status: Species of Concern

Scientific Name: *Plagiochila echinata*

Common Name: Sharp's leafy liverwort
Status: Under Review

Scientific Name: *Plagiochila sharpii*

Common Name: Piratebush
Status: Species of Concern

Scientific Name: *Buckleya distichophylla*

Common Name: [Unnamed] liverwort
Status: Species of Concern

Scientific Name: *Cylindrocolea andersonii*

Common Name: No common name
Status: Species of Concern

Scientific Name: *Lophocolea appalachiana*

Common Name: Carolina mniium
Status: Species of Concern

Scientific Name: *Plagiomnium carolinianum*

Common Name: Bog spicebush
Status: Under Review

Scientific Name: *Lindera subcoriacea*

Common Name: Mt. Leconte moss
Status: Species of Concern

Scientific Name: *Leptothymenium sharpii*

Common Name: Carolina birds-in-a-nest
Status: Under Review

Scientific Name: *Macbridea caroliniana*

Common Name: No common name
Status: Species of Concern

Scientific Name: *Cephaloziella obtusilobula*

Common Name: Wooly berry
Status: Species of Concern

Scientific Name: *Vaccinium hirsutum*

Common Name: No common name
Status: Species of Concern

Scientific Name: *Bazzania nudicaulis*

Common Name: Smoky Mountains manna grass

Scientific Name: *Glyceria nubigena*

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Status: Species of Concern

Common Name: [Unnamed] liverwort
Status: Species of Concern

Scientific Name: *Sphenolobopsis pearsoni*

Common Name: Cain's reedgrass
Status: Species of Concern

Scientific Name: *Calamagrostis cainii*

Common Name: Mountain bittercress
Status: Species of Concern

Scientific Name: *Cardamine clematitis*

Common Name: Georgia lead-plant
Status: Under Review

Scientific Name: *Amorpha georgiana georgiana*

Common Name: Ammon's tortula
Status: Species of Concern

Scientific Name: *Tortula ammoniana*

Common Name: Blue Ridge catchfly
Status: Species of Concern

Scientific Name: *Silene ovata*

Common Name: [Unnamed] venus' fly-trap
Status: Species of Concern

Scientific Name: *Dionaea muscipula*

Common Name: Bent avens
Status: Species of Concern

Scientific Name: *Geum geniculatum*

Common Name: Godfroy's stitchwort
Status: Under Review

Scientific Name: *Minuartia godfreyi*

Common Name: Spring-flowering goldenrod
Status: Species of Concern

Scientific Name: *Solidago verna*

Common Name: Well's pixie-moss
Status: Species of Concern

Scientific Name: *Pyxidantha barbulata brevifolia*

Common Name: Gray's saxifrage
Status: Species of Concern

Scientific Name: *Saxifraga caroliniana*

Common Name: Savannah campylopus
Status: Species of Concern

Scientific Name: *Campylopus caroliniae*

Common Name: No common name
Status: Species of Concern

Scientific Name: *Oxypolis ternata*

Common Name: [Unnamed] sedge
Status: Species of Concern

Scientific Name: *Carex roanensis*

Common Name: Darlington's spurge
Status: Species of Concern

Scientific Name: *Euphorbia purpurea*

Common Name: Thorne's beaked-rush
Status: Under Review

Scientific Name: *Rhynchospora thornei*

Common Name: No common name
Status: Species of Concern

Scientific Name: *Plagiochila columbiana*

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Common Name: Keever's bristle-moss Status: Species of Concern	Scientific Name: Orthotrichum keeverae
Common Name: Serpentine aster Status: Species of Concern	Scientific Name: Symphyotrichum depauperatum
Common Name: Piedmont ragwort Status: Species of Concern	Scientific Name: Packera millefolia
Common Name: No common name Status: Species of Concern	Scientific Name: Lejeunea blomquistii
Common Name: French Broad heartleaf Status: Species of Concern	Scientific Name: Hexastylis rhombiformis
Common Name: Oconee-bells Status: Species of Concern	Scientific Name: Shortia galacifolia
Common Name: No common name Status: Species of Concern	Scientific Name: Paxistima canbyi
Common Name: Bigleaf scurf-pea Status: Species of Concern	Scientific Name: Orbexilum macrophyllum
Common Name: Carolina lead-plant Status: Species of Concern	Scientific Name: Amorpha georgiana confusa
Common Name: [Unnamed] pondweed Status: Species of Concern	Scientific Name: Potamogeton confervoides
Common Name: No common name Status: Species of Concern	Scientific Name: Porella appalachiana
Common Name: Large-flowered Barbara's buttons Status: Under Review	Scientific Name: Marshallia grandiflora
Common Name: White-wicky Status: Species of Concern	Scientific Name: Kalmia cuneata
Common Name: Gray's lily Status: Species of Concern	Scientific Name: Lilium grayi
Common Name: [Unnamed] beaked-rush Status: Species of Concern	Scientific Name: Rhynchospora decurrens
Common Name: Ravine sedge Status: Under Review	Scientific Name: Carex impressinervia
Common Name: Pine barrens boneset Status: Species of Concern	Scientific Name: Eupatorium resinosum
Common Name: No common name Status: Species of Concern	Scientific Name: Cheilolejeunea evansii
Common Name: No common name Status: Species of Concern	Scientific Name: Trillium pusillum pusillum

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Common Name: Fraser's yellow loosestrife Status: Species of Concern	Scientific Name: <i>Lysimachia fraseri</i>
Common Name: Bog bluegrass Status: Species of Concern	Scientific Name: <i>Poa paludigena</i>
Common Name: Sp. nov. ined. blue curls Status: Species of Concern	Scientific Name: <i>Trichostema</i> sp.
Common Name: Wireleaf dropseed Status: Under Review	Scientific Name: <i>Sporobolus teretifolius</i>
Common Name: Wavyleaf wild-quinine Status: Species of Concern	Scientific Name: <i>Parthenium integrifolium</i>
Common Name: Sandhills milk-vetch Status: Species of Concern	Scientific Name: <i>Astragalus michauxii</i>
Common Name: Pickering's morning-glory Status: Species of Concern	Scientific Name: <i>Stylisma pickeringii</i>
Common Name: Pygmypipes Status: Species of Concern	Scientific Name: <i>Monotropis odorata</i>
Common Name: Awned meadowbeauty Status: Species of Concern	Scientific Name: <i>Rhexia aristosa</i>
Common Name: Gorge moss Status: Species of Concern	Scientific Name: <i>Bryocrumia vivicolor</i>
Common Name: [Unnamed] liverwort Status: Species of Concern	Scientific Name: <i>Plagiochila virginica</i> var. <i>caroliniana</i>
Common Name: No common name Status: Species of Concern	Scientific Name: <i>Myriophyllum laxum</i>
Common Name: Piedmont meadow-rue Status: Species of Concern	Scientific Name: <i>Thalictrum macrostylum</i>
Common Name: Heller's bird's-foot trefoil Status: Species of Concern	Scientific Name: <i>Lotus unifoliolatus</i> var. <i>helleri</i>
Common Name: Swamp justiceweed Status: Under Review	Scientific Name: <i>Eupatorium paludicola</i>
Common Name: Long Beach seedbox Status: Under Review	Scientific Name: <i>Ludwigia brevipes</i>
Common Name: Raven's seedbox Status: Under Review	Scientific Name: <i>Ludwigia ravenii</i>
Common Name: Yellow Pond lily Status: Under Review	Scientific Name: <i>Nuphar lutea</i> ssp. <i>sagittifolia</i>
Common Name: Carolina bishopweed Status: Under Review	Scientific Name: <i>Ptilimnium ahlesii</i>

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Common Name: Mountain Purple pitcherplant Status: Under Review	Scientific Name: <i>Sarracenia purpurea</i> var. <i>montana</i>
Common Name: Butternut Status: Species of Concern	Scientific Name: <i>Juglans cinerea</i>
Common Name: No common name Status: Species of Concern	Scientific Name: <i>Hexastylis contracta</i>
Common Name: Anderson's brachymerium Status: Species of Concern	Scientific Name: <i>Brachymerium andersonii</i>
Common Name: No common name Status: Species of Concern	Scientific Name: <i>Eurhynchium pringlei</i>
Common Name: [Unnamed] liverwort Status: Species of Concern	Scientific Name: <i>Plagiochila sullivantii</i>
Common Name: No common name Status: Species of Concern	Scientific Name: <i>Rugelia nudicaulis</i>
Common Name: No common name Status: Species of Concern	Scientific Name: <i>Plagiochila virginica euryphylla</i>
Common Name: Alexander's rock-aster Status: Species of Concern	Scientific Name: <i>Eurybia avita</i>
Common Name: Smooth bog-asphodel Status: Species of Concern	Scientific Name: <i>Tofieldia glabra</i>
Common Name: Hirst Brothers' Panic grass Status: Candidate	Scientific Name: <i>Dichanthelium</i> (=Panicum) <i>hirstii</i>
Common Name: Highlands moss Status: Species of Concern	Scientific Name: <i>Schlotheimia lancifolia</i>
Common Name: Gorge leafy liverwort Status: Under Review	Scientific Name: <i>Plagiochila caduciloba</i>
Common Name: Tall larkspur Status: Species of Concern	Scientific Name: <i>Delphinium exaltatum</i>
Common Name: No common name Status: Species of Concern	Scientific Name: <i>Lotus purshianus helleri</i>
Common Name: Short-styled oconee-bells Status: Species of Concern	Scientific Name: <i>Shortia galacifolia brevistyla</i>
Common Name: Manhart's sedge Status: Species of Concern	Scientific Name: <i>Carex manhartii</i>
Common Name: Riverbank vervain Status: Species of Concern	Scientific Name: <i>Verbena riparia</i>

Group: Insects

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Common Name: [Unnamed] looper moth Status: Species of Concern	Scientific Name: <i>Euchlaena milnei</i>
Common Name: Anointed sawfly noctuid moth Status: Species of Concern	Scientific Name: <i>Pyreferra ceromatica</i>
Common Name: Buchholz' dart moth Status: Species of Concern	Scientific Name: <i>Agrotis buchholzi</i>
Common Name: Smokies snowfly Status: Under Review	Scientific Name: <i>Allocapnia fumosa</i>
Common Name: [Unnamed] caddisfly Status: Species of Concern	Scientific Name: <i>Hydroptila englishi</i>
Common Name: Appalachian snaketail Status: Under Review	Scientific Name: <i>Ophiogomphus incurvatus</i>
Common Name: Smokies needlety Status: Under Review	Scientific Name: <i>Megaleuctra williamsae</i>
Common Name: Monarch butterfly Status: Under Review	Scientific Name: <i>Danaus plexippus plexippus</i>
Common Name: Black lordithon rove beetle Status: Species of Concern	Scientific Name: <i>Lordithon niger</i>
Common Name: [Unnamed] caddisfly Status: Species of Concern	Scientific Name: <i>Agapetus jocassee</i>
Common Name: Tawny crescent Status: Species of Concern	Scientific Name: <i>Phyciodes batesii</i>
Common Name: Edmund's snaketail Status: Under Review	Scientific Name: <i>Ophiogomphus edmundo</i>
Common Name: Barrens Dagger Moth Status: Species of Concern	Scientific Name: <i>Acronicta albarufa</i>
Common Name: [Unnamed] noctuid moth Status: Species of Concern	Scientific Name: <i>Schinia indiana</i>
Common Name: [Unnamed] ghost moth Status: Species of Concern	Scientific Name: <i>Hepialus sciophanes</i>
Common Name: [Unnamed] caddisfly Status: Species of Concern	Scientific Name: <i>Helicopsyche paralimnella</i>
Common Name: Septima's clubtail Status: Under Review	Scientific Name: <i>Gomphus septima</i>
Common Name: Eastern beard grass Skipper Status: Species of Concern	Scientific Name: <i>Atrytone arogos arogos</i>
Common Name: Sandhills clubtail Status: Species of Concern	Scientific Name: <i>Gomphus parvidens carolinus</i>

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Common Name: Mary Alice's smallheaded fly Status: Species of Concern	Scientific Name: <i>Eulonchus marialiciae</i>
Common Name: Rare skipper Status: Under Review	Scientific Name: <i>Problema bulenta</i>
Common Name: Bronze clubtail Status: Species of Concern	Scientific Name: <i>Stylurus townesi</i>
Common Name: Regal fritillary Status: Under Review	Scientific Name: <i>Speyeria idalia</i>
Common Name: Diana fritillary Status: Species of Concern	Scientific Name: <i>Speyeria diana</i>
Common Name: American sandburrowing mayfly Status: Species of Concern	Scientific Name: <i>Dolania americana</i>
Common Name: Fraser fir geometrid moth Status: Species of Concern	Scientific Name: <i>Semiothisa fraserata</i>
Common Name: Midget snaketail Status: Species of Concern	Scientific Name: <i>Ophiogomphus howei</i>
Common Name: Lenat's ceracleon caddisfly Status: Species of Concern	Scientific Name: <i>Ceraclea</i> sp.
Common Name: Gammon's stenelmis riffle beetle Status: Species of Concern	Scientific Name: <i>Stenelmis gammoni</i>
Common Name: Grizzled skipper Status: Species of Concern	Scientific Name: <i>Pyrgus centaureae</i>
Common Name: Carter's noctuid moth Status: Species of Concern	Scientific Name: <i>Spartiniphaga carterae</i>
Common Name: Venus flytrap noctuid Status: Species of Concern	Scientific Name: <i>Hemipachnolia subporphyria subporphyria</i>
Common Name: Margarita River skimmer Status: Under Review	Scientific Name: <i>Macromia margarita</i>
Common Name: Variegated clubtail Status: Species of Concern	Scientific Name: <i>Progomphus bellei</i>
Group:Lichens	
Common Name: Bluff Mountain Reindeer Lichen Status: Species of Concern	Scientific Name: <i>Cladonia psoromica</i>
Group:Mammals	
Common Name: Southern Appalachian eastern woodrat Status: Species of Concern	Scientific Name: <i>Neotoma floridana haematorea</i>
Common Name: Red wolf	Scientific Name: <i>Canis rufus</i>

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Status: Endangered

Common Name: Carolina northern flying squirrel
Status: Endangered

Scientific Name: *Glaucomys sabrinus coloratus*

Common Name: Southeastern myotis
Status: Species of Concern

Scientific Name: *Myotis austroriparius*

Common Name: Indiana bat
Status: Endangered

Scientific Name: *Myotis sodalis*

Common Name: Southern water shrew
Status: Species of Concern

Scientific Name: *Sorex palustris punctulatus*

Common Name: Southern rock vole
Status: Species of Concern

Scientific Name: *Microtus chrotorrhinus carolinensis*

Group:Reptiles

Common Name: American alligator
Status: Similarity of Appearance (Threatened)

Scientific Name: *Alligator mississippiensis*

Common Name: Northern diamondback terrapin
Status: Species of Concern

Scientific Name: *Malaclemys terrapin terrapin*

Common Name: Eastern diamondback rattlesnake
Status: Under Review

Scientific Name: *Crotalus adamanteus*

Common Name: Southern hognose snake
Status: Under Review

Scientific Name: *Heterodon simus*

Common Name: Northern Red-bellied cooter
Status: Under Review

Scientific Name: *Pseudemys rubriventris*

Common Name: Mimic glass lizard
Status: Species of Concern

Scientific Name: *Ophisaurus mimicus*

Common Name: Northern pine snake
Status: Species of Concern

Scientific Name: *Pituophis melanoleucus melanoleucus*

Group:Snails

Common Name: Knotty elimia
Status: Species of Concern

Scientific Name: *Elimia interrupta*

Common Name: Magnificent ramshorn
Status: Candidate

Scientific Name: *Planorbella magnifica*

Common Name: Panhandle pebblesnail
Status: Species of Concern

Scientific Name: *Somatogyryus virginicus*

Common Name: Sculpted supercoil
Status: Species of Concern

Scientific Name: *Paravitrea ternaria*

Common Name: Fragile supercoil
Status: Species of Concern

Scientific Name: *Glyphyalinia clingmani*

NATURAL AREAS MAP FINDINGS

Federal Endangered Species from the U.S. Fish and Wildlife for NC State (Continued...)

Common Name: Smooth rocksnail	Scientific Name: Leptoxis virgata
Status: Status Undefined	
Common Name: Roan supercoil	Scientific Name: Paravitrea varidens
Status: Species of Concern	
Common Name: Cape Fear threetooth	Scientific Name: Triodopsis soelneri
Status: Species of Concern	
Common Name: Clingman covert	Scientific Name: Mesodon clingmanicus
Status: Species of Concern	

Map ID	Direction	Distance	Distance (ft.)	EDR ID Database
1	North	0-1/8 mi	0	NCESP0000311077 Natural Heritage Element Occurrence
		Element Occurrence ID:	13743	
		Taxonomic Group:	Plant	
		EO Status:	Historical	
		EO Rank:	EO introduced. EO is old, if surveyed recently, surveys failed to find it but there is no evidence it is destroyed. Rank Uncertain.	
		Note:	To determine the listed species, contact the agency with your Element Occurrence ID.	
<hr/>				
2	SW	1/8-1/4 mi	773	NCMAREA20071669 NC Managed Areas
		Area ID:	2294	
		Owner:	Mecklenburg County	
		Owner Type:	Local Government	
		Category:	Fee	
		GAP Status:	1 - managed for biodiversity - disturbance events proceed or are mimicked	
<hr/>				
3	SSW	1/4-1/2 mi	2090	NCMAREA20072189 NC Managed Areas
		Area ID:	2294	

NATURAL AREAS MAP FINDINGS

Owner: Mecklenburg County
Owner Type: Local Government
Category: Fee
GAP Status: 1 - managed for biodiversity - disturbance events proceed or are mimicked

4
SSW
1/2-1 mi
2920

Area ID: 2294
Owner: Mecklenburg County
Owner Type: Local Government
Category: Fee
GAP Status: 1 - managed for biodiversity - disturbance events proceed or are mimicked

NCMAREA20072368
NC Managed Areas

5
North
1/2-1 mi
3353

Area ID: 2294
Owner: Mecklenburg County
Owner Type: Local Government
Category: Fee
GAP Status: 1 - managed for biodiversity - disturbance events proceed or are mimicked

NCMAREA20070261
NC Managed Areas

6
SW
1/2-1 mi
4194

Area ID: 2294
Owner: Mecklenburg County
Owner Type: Local Government
Category: Fee
GAP Status: 1 - managed for biodiversity - disturbance events proceed or are mimicked

NCMAREA20072277
NC Managed Areas

7
SE
1/2-1 mi
4233

NCMAREA20072369
NC Managed Areas

NATURAL AREAS MAP FINDINGS

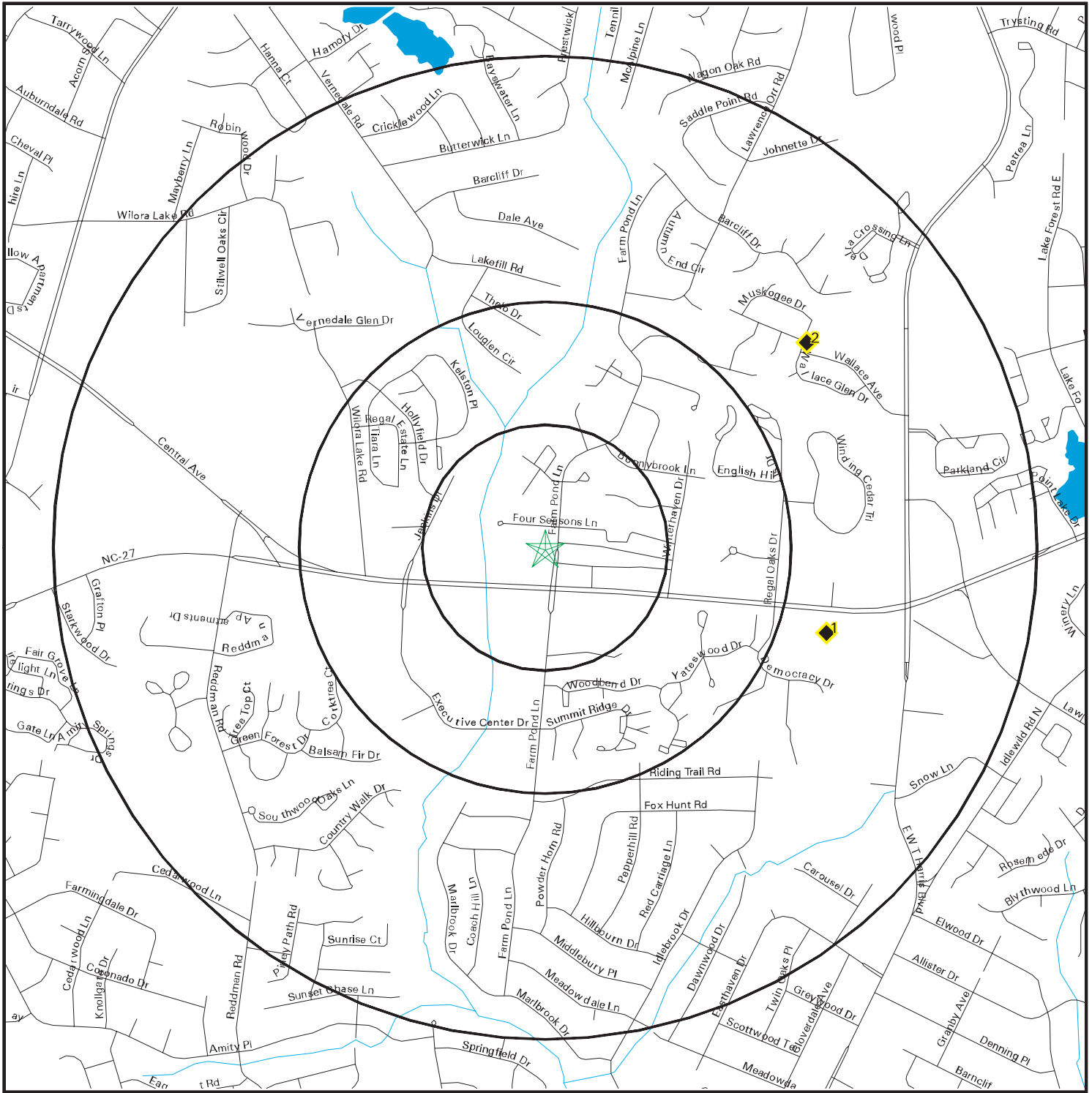
Area ID: 2294
Owner: Mecklenburg County
Owner Type: Local Government
Category: Fee
GAP Status: 1 - managed for biodiversity - disturbance events proceed or are mimicked

8
SE
1/2-1 mi
4737

Area ID: 2294
Owner: Mecklenburg County
Owner Type: Local Government
Category: Fee
GAP Status: 1 - managed for biodiversity - disturbance events proceed or are mimicked

NCMAREA20072331
NC Managed Areas

Historic Sites Map



- ★ Target Property
- ◆ Historic Sites
- Streets
- Federal Historic Areas
- County Boundary
- State Historic Areas
- Waterways
- US Indian Reservations
- Water
- Scenic Trail



SITE NAME: April Showers DC600096
 ADDRESS: 5616 Farm Pond Lane
 Charlotte NC 28212
 LAT/LONG: 35.204205 / 80.739024

CLIENT: AECOM
 CONTACT: Matthew Stone
 INQUIRY #: 6535636.5s
 DATE: June 14, 2021

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

1
ESE
1/2-1 mi
3156
Albemarle Road Presbyterian Church
6740 Albemarle Road, Charlotte
Charlotte , NC

NCX100000070993
NC Historic Preservation Sites

Site ID:	MK3418
Description:	1968; 1976 1-story hip/hyperbolic roof Miscellaneous Modernist brick church
Year on National Register:	Not Reported
Year Listed:	Not Reported
Year on Study List:	Not Reported
Year Determined Eligible:	Not Reported
Year of Survey:	Not Reported
County:	Mecklenburg
Local Status:	None
Year Designated Locally:	Not Reported
Historic District Status:	None
Notes:	Not Reported
Photo:	Not Reported
URL:	Not Reported
Alt URL:	Not Reported

2
NE
1/2-1 mi
3573
Wallace House
Wallace Ave, at end
Charlotte , NC

NCX10000004919
NC Historic Preservation Sites

Site ID:	MK1776
Description:	1916 2-story hip roof frame 19th-20th c. traditional/vernacular house
Year on National Register:	Not Reported
Year Listed:	Not Reported
Year on Study List:	Not Reported
Year Determined Eligible:	Not Reported
Year of Survey:	1990
County:	Mecklenburg
Local Status:	None
Year Designated Locally:	Not Reported
Historic District Status:	None
Notes:	Not Reported
Photo:	Not Reported
URL:	Not Reported
Alt URL:	Not Reported

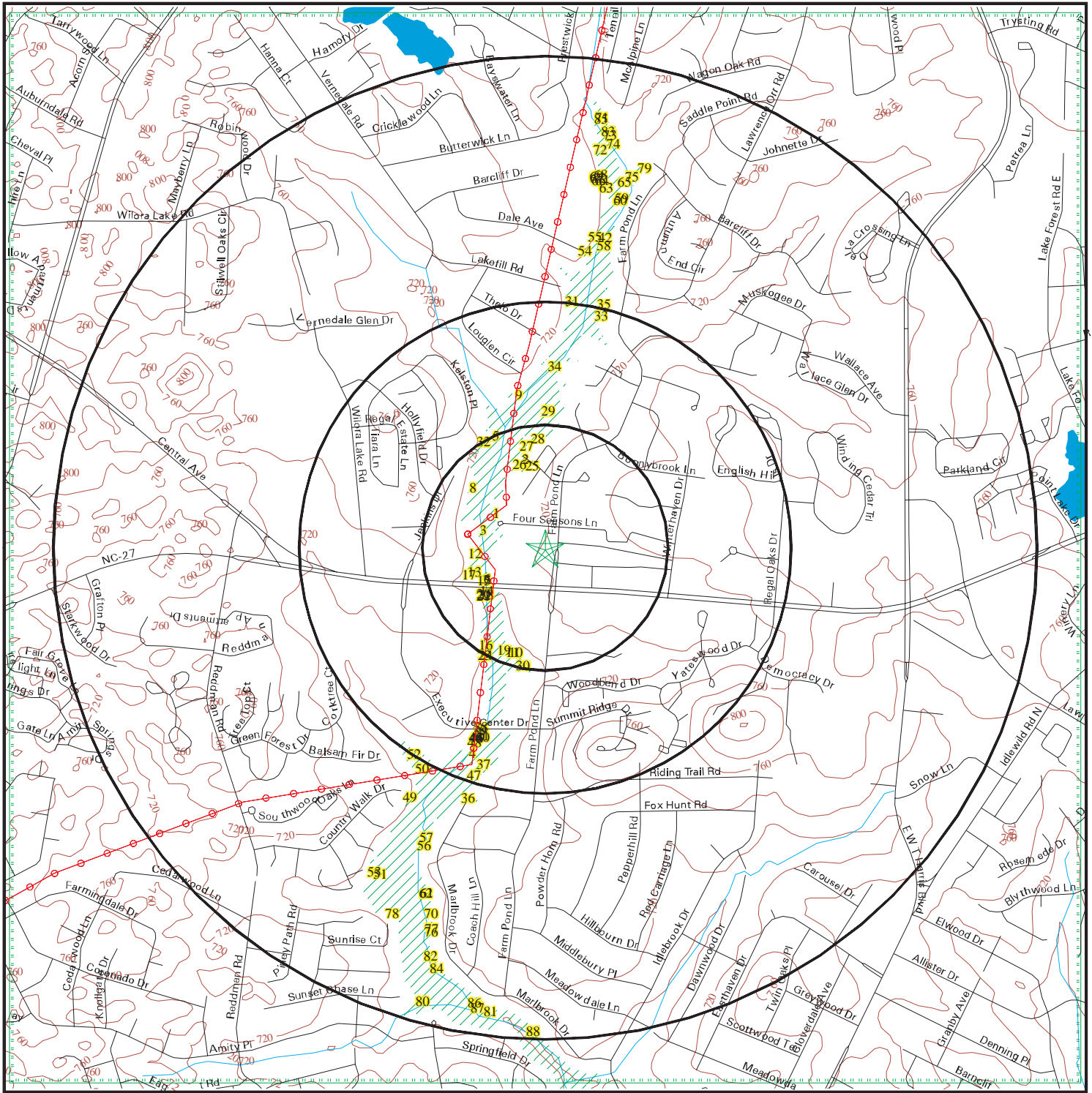
UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status
EDR ID
Database

No unmapped sites were found in EDR's search of available government records.

Flood Plain Map



- Major Roads
- Contour Lines
- Waterways
- County Boundary
- Power Lines
- Pipe Lines
- Fault Lines
- Water
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- Electronic FEMA data available
- Electronic FEMA data not available



SITE NAME: April Showers DC600096
 ADDRESS: 5616 Farm Pond Lane
 Charlotte NC 28212
 LAT/LONG: 35.204205 / 80.739024

CLIENT: AECOM
 CONTACT: Matthew Stone
 INQUIRY #: 6535636.5s
 DATE: June 14, 2021

FLOOD PLAIN MAP FINDINGS

Source: FEMA FIRM Flood Data, FEMA Q3 Flood Data

Flood Panel Number **FEMA Source Type**

Flood Plain panel at target property:
 3710458300K (FEMA FIRM Flood data)

Additional Flood Plain panel(s) in search area:
 3710457300K (FEMA FIRM Flood data)
 3710458200K (FEMA FIRM Flood data)
 3710457200K (FEMA FIRM Flood data)

Map ID Direction Distance Distance (ft.)	Description	Database
1 WNW 1/16-1/8 mi 471	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
2 West 1/16-1/8 mi 547	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
3 West 1/16-1/8 mi 606	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
4 West 1/16-1/8 mi 616	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: FLOODWAY	FLOODPLAIN
5 West 1/8-1/4 mi 683	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN

FLOOD PLAIN MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Description	Database
6 WSW 1/8-1/4 mi 686	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
7 WSW 1/8-1/4 mi 688	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
8 West 1/8-1/4 mi 689	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
9 West 1/8-1/4 mi 691	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
10 SW 1/8-1/4 mi 691	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
11 SW 1/8-1/4 mi 692	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
12 West 1/8-1/4 mi 696	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
13 WSW 1/8-1/4 mi 721	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN

FLOOD PLAIN MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Description	Database
14 WSW 1/8-1/4 mi 721	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
15 WSW 1/8-1/4 mi 729	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS, COMMUNITY ENCROACHMENT	FLOODPLAIN
16 WSW 1/8-1/4 mi 729	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
17 WSW 1/8-1/4 mi 731	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
18 SW 1/8-1/4 mi 785	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS, COMMUNITY ENCROACHMENT	FLOODPLAIN
19 SW 1/8-1/4 mi 786	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
20 SW 1/8-1/4 mi 811	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS, COMMUNITY ENCROACHMENT	FLOODPLAIN
21 SW 1/8-1/4 mi 813	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN

FLOOD PLAIN MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Description	Database
22 SW 1/8-1/4 mi 814	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
23 SW 1/8-1/4 mi 837	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
24 SW 1/8-1/4 mi 837	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
25 North 1/8-1/4 mi 910	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
26 NNW 1/8-1/4 mi 927	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
27 North 1/8-1/4 mi 1134	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
28 North 1/8-1/4 mi 1196	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
29 NNW 1/8-1/4 mi 1229	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN

FLOOD PLAIN MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Description	Database
30 South 1/8-1/4 mi 1263	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
31 NNW 1/4-1/2 mi 1328	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
32 NNW 1/4-1/2 mi 1329	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
33 North 1/4-1/2 mi 1608	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
34 North 1/4-1/2 mi 1755	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
35 North 1/4-1/2 mi 1766	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
36 South 1/4-1/2 mi 2012	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
37 South 1/4-1/2 mi 2014	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN

FLOOD PLAIN MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Description	Database
38 SSW 1/4-1/2 mi 2020	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS, COMMUNITY ENCROACHMENT	FLOODPLAIN
39 SSW 1/4-1/2 mi 2021	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
40 SSW 1/4-1/2 mi 2093	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
41 SSW 1/4-1/2 mi 2094	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
42 North 1/4-1/2 mi 2096	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
43 SSW 1/4-1/2 mi 2102	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS, COMMUNITY ENCROACHMENT	FLOODPLAIN
44 SSW 1/4-1/2 mi 2102	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
45 SSW 1/4-1/2 mi 2104	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN

FLOOD PLAIN MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Description	Database
46 SSW 1/4-1/2 mi 2104	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
47 SSW 1/4-1/2 mi 2156	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
48 SSW 1/4-1/2 mi 2189	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
49 SSW 1/4-1/2 mi 2194	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
50 SSW 1/4-1/2 mi 2204	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
51 SSW 1/4-1/2 mi 2223	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
52 SSW 1/4-1/2 mi 2606	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
53 SSW 1/2-1 mi 2785	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN

FLOOD PLAIN MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Description	Database
54 North 1/2-1 mi 2901	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
55 North 1/2-1 mi 3010	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
56 SSW 1/2-1 mi 3172	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
57 SSW 1/2-1 mi 3185	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
58 North 1/2-1 mi 3291	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
59 North 1/2-1 mi 3373	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
60 North 1/2-1 mi 3388	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
61 SSW 1/2-1 mi 3782	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN

FLOOD PLAIN MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Description	Database
62 SSW 1/2-1 mi 3783	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
63 North 1/2-1 mi 3864	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
64 North 1/2-1 mi 3889	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
65 NNE 1/2-1 mi 3989	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
66 North 1/2-1 mi 4001	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
67 North 1/2-1 mi 4016	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
68 North 1/2-1 mi 4042	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
69 North 1/2-1 mi 4046	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN

FLOOD PLAIN MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Description	Database
70 SSW 1/2-1 mi 4054	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
71 North 1/2-1 mi 4056	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
72 North 1/2-1 mi 4058	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
73 NNE 1/2-1 mi 4064	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
74 NNE 1/2-1 mi 4068	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
75 NNE 1/2-1 mi 4105	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
76 SSW 1/2-1 mi 4180	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
77 SSW 1/2-1 mi 4188	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN

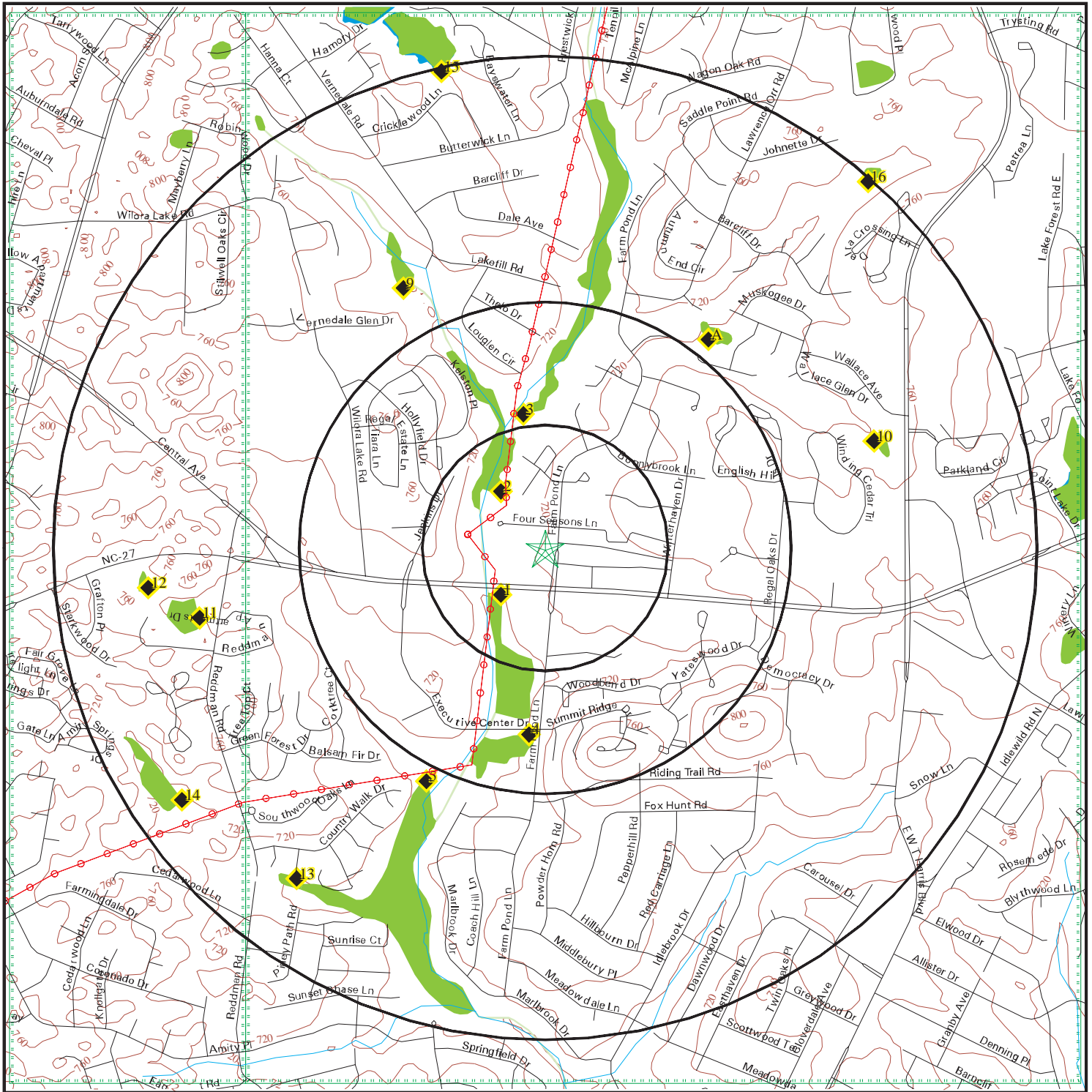
FLOOD PLAIN MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Description	Database
78 SSW 1/2-1 mi 4195	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
79 NNE 1/2-1 mi 4217	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
80 SSW 1/2-1 mi 4227	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
81 SSW 1/2-1 mi 4423	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: X Sub Type: 1 PCT FUTURE CONDITIONS	FLOODPLAIN
82 SSW 1/2-1 mi 4426	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
83 North 1/2-1 mi 4505	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
84 SSW 1/2-1 mi 4618	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
85 North 1/2-1 mi 4647	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN

FLOOD PLAIN MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Description	Database
86 SSW 1/2-1 mi 4681	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: Not Reported	FLOODPLAIN
87 SSW 1/2-1 mi 4749	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN
88 South 1/2-1 mi 5087	Special Flood Hazard Area: Yes Flood Hazard Area: Special Flood Hazard Area (1%) Flood Zone: AE Sub Type: COMMUNITY ENCROACHMENT AREA	FLOODPLAIN

Wetlands Map



- | | | |
|-----------------|-------------|-----------------------------------|
| Major Roads | Power Lines | Water |
| Contour Lines | Fault Lines | National Wetlands Inventory |
| Waterways | | State Wetlands |
| County Boundary | | Electronic NWI data available |
| | | Electronic NWI data not available |



SITE NAME: April Showers DC600096
ADDRESS: 5616 Farm Pond Lane
 Charlotte NC 28212
LAT/LONG: 35.204205 / 80.739024

CLIENT: AECOM
CONTACT: Matthew Stone
INQUIRY #: 6535636.5s
DATE: June 14, 2021

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Mint Hill
 Additional NWI hardcopy map(s) in search area:
 Charlotte East

Map ID	Direction	Distance	Distance (ft.)	Code and Description*	Database
1	SW	1/8-1/4 mi	692	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 35.202824 / -80.740608	NWI
2	NW	1/8-1/4 mi	769	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 35.205872 / -80.740608	NWI
3	North	1/4-1/2 mi	1455	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 35.208153 / -80.739807	NWI
4	South	1/4-1/2 mi	2012	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 35.198696 / -80.739594	NWI
5	SSW	1/2-1 mi	2809	PFO1A [P] Palustrine [FO] Forested [1] Broad-Leaved Deciduous [A] Temporarily Flooded Lat/Lon: 35.197327 / -80.743286	NWI
A6	NE	1/2-1 mi	2837	PUSAh [P] Palustrine [US] Unconsolidated Shore [A] Temporarily Flooded [h] Diked/Impounded Lat/Lon: 35.210312 / -80.733116	NWI
A7	NE	1/2-1 mi	2838	PSS1Ah [P] Palustrine [SS] Scrub Shrub [1] Broad-Leaved Deciduous [A] Temporarily Flooded [h] Diked/Impounded Lat/Lon: 35.210266 / -80.733040	NWI
A8	NE	1/2-1 mi	2856	PEM1Fh [P] Palustrine [EM] Emergent [1] Persistent [F] Semipermanently Flooded [h] Diked/Impounded Lat/Lon: 35.210495 / -80.733299	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
9 NNW 1/2-1 mi 3178	PUBHh [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [h] Diked/Impounded Lat/Lon: 35.211872 / -80.744118	NWI
10 ENE 1/2-1 mi 3714	PUBHh [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [h] Diked/Impounded Lat/Lon: 35.207363 / -80.727196	NWI
11 WSW 1/2-1 mi 3785	PUBHh [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [h] Diked/Impounded Lat/Lon: 35.202141 / -80.751450	NWI
12 West 1/2-1 mi 4280	PUBHh [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [h] Diked/Impounded Lat/Lon: 35.203030 / -80.753288	NWI
13 SW 1/2-1 mi 4439	PUBHx [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [x] Excavated Lat/Lon: 35.194454 / -80.747955	NWI
14 SW 1/2-1 mi 4744	PUSCh [P] Palustrine [US] Unconsolidated Shore [C] Seasonally Flooded [h] Diked/Impounded Lat/Lon: 35.196770 / -80.752075	NWI
15 NNW 1/2-1 mi 5234	PUBHh [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [h] Diked/Impounded Lat/Lon: 35.218262 / -80.742744	NWI
16 NE 1/2-1 mi 5245	PUBHh [P] Palustrine [UB] Unconsolidated Bottom [H] Permanently Flooded [h] Diked/Impounded Lat/Lon: 35.215015 / -80.727409	NWI

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM

MARINE

SUBSYSTEM

1 - SUBTIDAL

2 - INTERTIDAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom	AB-AQUATIC BED	RF-REEF	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SYSTEM

E - ESTUARINE

SUBSYSTEM

1 - SUBTIDAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	

SUBSYSTEM

2 - INTERTIDAL

CLASS	AB-AQUATIC BED	RF-REEF	SB - STREAMBED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	SS-SCRUB SHRUB	FO-FORESTED
Subclass	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

SYSTEM

R - RIVERINE

SUBSYSTEM

1 - TIDAL 2 - LOWER PERENNIAL 3 - UPPER PERENNIAL 4 - INTERMITTENT 5 - UNKNOWN PERENNIAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	*SB-STREAMBED	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	**EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
 **EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM

L - LACUSTRINE

SUBSYSTEM

1 - LIMNETIC

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

SUBSYSTEM

2 - LITTORAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

SUBSYSTEM

P - PALUSTRINE

CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS- LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	

MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Halinity	Inland Salinity	pH	all Fresh Water			
A Temporarily Flooded	H Permanently Flooded	K Artificially Flooded	*S Temporary-Tidal		1 Hyperhaline	7 Hypersaline	g Organic	b Beaver
B Saturated	J Intermittently Flooded	L Subtidal	*R Seasonal-Tidal		2 Euhaline	8 Eusaline	n Mineral	d Partially Drained/Ditched
C Seasonally Flooded	K Artificially Flooded	M Irregularly Exposed	*T Semipermanent -Tidal		3 Mixohaline (Brackish)	9 Mixosaline	a Acid	f Farmed
D Seasonally Flooded/ Well Drained	W Intermittently Flooded/Temporary	N Regularly Flooded	V Permanent -Tidal		4 Polyhaline	0 Fresh	t Circumneutral	h Diked/Impounded
E Seasonally Flooded/ Saturated	Y Saturated/Semipermanent/ Seasonal	P Irregularly Flooded	U Unknown		5 Mesohaline		i Alkaline	r Artificial Substrate
F Semipermanently Flooded	Z Intermittently Exposed/Permanent	*These water regimes are only used in tidally influenced, freshwater systems.			6 Oligohaline			s Spoil
G Intermittently Exposed	U Unknown				0 Fresh			x Excavated

FCC & FAA Sites Map



-  Streets
-  Contour Lines
-  County Boundary
-  Waterways
-  Power Lines
-  Water
-  Sites



SITE NAME: April Showers DC600096
 ADDRESS: 5616 Farm Pond Lane
 Charlotte NC 28212
 LAT/LONG: 35.204205 / 80.739024

CLIENT: AECOM
 CONTACT: Matthew Stone
 INQUIRY #: 6535636.5s
 DATE: June 14, 2021

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS AIRPORTS

EDR ID
Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS

POWERLINES

EDR ID
Database

135158
POWERLINES

Voltage: 100
Range: Yes
Hi voltage: 161
Volt cat: 70-138 kV
Type: Alternating current
Status: Active
Corridor: Multiple lines
Owner: Duke Energy Corporation
Owner id: DUKE
Num owners: Single Owner
Operator: Duke Energy Carolinas LLC
Operator id: DUKECAR
Last owner: Not Reported
Last own id: Not Reported
Last oper: Not Reported
Last oper id: Not Reported
Mileage: 2.2939807999999999

136503
POWERLINES

Voltage: 100
Range: Yes
Hi voltage: 161
Volt cat: 70-138 kV
Type: Alternating current
Status: Active
Corridor: Multiple lines
Owner: Duke Energy Corporation
Owner id: DUKE
Num owners: Single Owner
Operator: Duke Energy Carolinas LLC
Operator id: DUKECAR
Last owner: Not Reported
Last own id: Not Reported
Last oper: Not Reported
Last oper id: Not Reported
Mileage: 2.2939807999999999

135156
POWERLINES

Voltage: 100
Range: Yes
Hi voltage: 161
Volt cat: 70-138 kV
Type: Alternating current

FCC & FAA SITES MAP FINDINGS

POWERLINES

EDR ID
Database

Status: Active
Corridor: Multiple lines
Owner: Duke Energy Corporation
Owner id: DUKE
Num owners: Single Owner
Operator: Duke Energy Carolinas LLC
Operator id: DUKECAR
Last owner: Not Reported
Last own id: Not Reported
Last oper: Not Reported
Last oper id: Not Reported
Mileage: 2.5653415399999999

135157
POWERLINES

Voltage: 100
Range: Yes
Hi voltage: 161
Volt cat: 70-138 kV
Type: Alternating current
Status: Active
Corridor: Multiple lines
Owner: Duke Energy Corporation
Owner id: DUKE
Num owners: Single Owner
Operator: Duke Energy Carolinas LLC
Operator id: DUKECAR
Last owner: Not Reported
Last own id: Not Reported
Last oper: Not Reported
Last oper id: Not Reported
Mileage: 2.5653415399999999

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS

Wilderness Areas

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

US NWP: National Wilderness Preservation System

This map layer consists of National Wilderness Preservation System areas of 320 acres or more, in the United States, Puerto Rico, and the U.S. Virgin Islands. Some established wilderness areas which are larger than 320 acres are not included in this map layer because their boundaries were not available from the owning or administering agency.

Source: U.S. Geological Survey.

Telephone: 888-275-8747

Federal Contacts for Additional Information

National Park Service, Southeast Region

100 Alabama Street SW, 1924 Building

Atlanta GA 30303

404-562-3100

USDA Forest Service, Southern

1720 Peachtree Road, N.W.

Atlanta GA 30367

404-347-2384

BLM - Eastern States Office

7450 Boston Blvd.

Springfield VA 22153

703-440-1713

Fish & Wildlife Service, Fish & Wildlife Region 4

Budget and Finance 1875 Century Boulevard

Atlanta GA 30345

404-679-4096

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Wildlife Preserves, Sanctuaries and Refuges

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

NC Conservation Easements: NC Conservation Easements

Source: NCGIA.

Telephone: 919-733-2090

NC Natural Heritage Areas: Significant Natural Heritage Areas

The Natural Heritage Program Natural Areas (NHPNA) data identifies terrestrial and aquatic sites that are of special biodiversity significance. A natural areas significance may be due to the presence of rare species, exemplary natural communities, or important animal assemblages.

Source: North Carolina Natural Heritage Program.

Telephone: 919-707-8630

NC Managed Areas: Lands Managed for Conservation and Open Space

The North Carolina Natural Heritage Program developed the Managed Areas (or MAREA) shapefile to document public- and privately-owned lands and easements that are of some conservation interest.

Source: North Carolina Natural Heritage Program.

Telephone: 919-707-8630

NC Federal Land Ownership: Federal Land Ownership

Federal Land Ownership boundaries of land in North Carolina that is owned and managed by the US Government

Source: North Carolina Natural Heritage Program.

Telephone: 919-707-8630

US ACEC: Areas of Critical Environmental Concern Designated Polygons

The designated ACECs are "areas within the public lands where special management attention is required to protect and prevent irreparable damage to important historic, cultural, or scenic values, fish and wildlife resources or other natural systems of processes, or to protect life and safety from natural hazards

Source: Bureau of Land Management.

Telephone: 202-912-7352

US Critical Water Habitat: US Critical Water Habitat

When a species is proposed for listing as endangered or threatened under the Endangered Species Act, the U.S.

Fish and Wildlife Service must consider whether there are areas of habitat believed to be essential the species conservation.

Those areas may be proposed for designation as critical habitat. Critical habitat is a term defined and used in the Act.

Source: US Fish & Wildlife Services.

Telephone: 970-226-9468

US Proclamation Boundaries: US Proclamation Boundaries

Approved, Proclamation or Extent Boundary

Source: USGS.

Telephone: 208-301-8288

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

US Scenic River: National Wild and Scenic River System
National Wild and Scenic Rivers System

Source: USGS National Atlas and the Interagency Wild and Scenic River Coordinating Council.
Telephone: 509-546-8333

US NCED: National Conservation Easement Database

NCED shows a comprehensive picture of privately owned conservation easement lands in the U.S. The NCED will allow better strategic planning for conservation and development by merging data on land protection with biodiversity and resources, improving ecological and economic plans and investments.

Source: U.S Endowment for Forestry and Communities.
Telephone: 202-621-1647

US Critical Land Habitat: US Critical Land Habitat

When a species is proposed for listing as endangered or threatened under the Endangered Species Act, the U.S. Fish and Wildlife Service must consider whether there are areas of habitat believed to be essential the species conservation. Those areas may be proposed for designation as critical habitat. Critical habitat is a term defined and used in the Act.

Source: US Fish & Wildlife Services.
Telephone: 970-226-9468

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 4
Budget and Finance 1875 Century Boulevard
Atlanta GA 30345
404-679-4096

State Contacts for Additional Information

Wildlife Resources Commission
919-733-3391

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 4
Budget and Finance 1875 Century Boulevard
Atlanta GA 30345
404-679-4096

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Endangered Species

Government Records Searched in This Report

NC Natural Heritage Element Occurrence: Natural Heritage Element Occurrence Sites

Locations of rare and endangered species populations and occurrences of exemplary or unique natural ecosystems (terrestrial and palustrine) and special wildlife habitats.

Source: Natural Heritage Program..

Telephone: 919-707-8630

Federal Endangered Species by County: Threatened and Endangered Species Listing

Endangered, Threatened, Emergency Listing (Endangered), Emergency Listing (Threatened), Experimental Population (Essential), Experimental Population (Non-Essential), Similarity of Appearance (Endangered), Similarity of Appearance (Threatened).

Source: US Fish and Wildlife Services.

Telephone: 800-344-9453

Federal Contacts for Additional Information

Fish & Wildlife Service, Fish & Wildlife Region 4

Budget and Finance 1875 Century Boulevard

Atlanta GA 30345

404-679-4096

State Contacts for Additional Information

Natural Heritage Program, Dept. of Env. & Natural Resources

919-733-4181

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES

Historic Places

Government Records Searched in This Report

National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 07/19/2015

NC Local District Boundaries: Boundaries for Local Districts

Properties and districts in North Carolina that are locally designated districts.

Source: Department of Natural & Cultural Resources.

Telephone: 919-807-6586

NC Historic Preservation Sites: Historic Preservation Sites:

Properties and districts in North Carolina that are locally designated landmarks.

Source: Department of Natural & Cultural Resources.

Telephone: 919-807-6586

NC NR, SL, DOE Boundaries: National Register, Study List, and Determined Eligible Sites:

Properties and districts in North Carolina that are either listed in the National Register (NR), determined eligible for the National Register in the Section 106 review process (DOE), on the North Carolina Study List for potential nomination to the National Register (SL).

Source: Department of Natural & Cultural Resources.

Telephone: 919-807-6586

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Natchez Trace National Scenic Trail: Natchez Trace National Scenic Trail

Source: Natchez Trace Parkway.

Telephone: 800-305-7417

US Trails: US Trails

This dataset contains a baseline inventory and condition assessment of all non-motorized trails on U.S. Fish and Wildlife Service lands as part of the National Trails Inventory Program conducted by the US Dept. of Transportation, Federal Highway Administration, Federal Lands Highway Division.

Source: U.S. Fish and Wildlife.

Telephone: 703-358-2205

Indian Reservations: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Source: USGS.

Telephone: 202-208-3710

Potomac Heritage National Scenic Trail: Potomac Heritage National Scenic Trail

Source: Potomac Heritage NST Office.

Telephone: 304-535-4014

Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation

1849 C Street NW

Washington, DC 20240

Phone: (202) 208-6843

State Contacts for Additional Information

Div. Of Archives & History

919-733-4673

Indian Religious Sites

Government Records Searched in This Report

Indian Reservations:

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Source: USGS

Phone: 888-275-8747

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs

Office of Public Affairs

1849 C Street, NW

Washington, DC 20240-0001

Office: 202-208-3711

Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers

1411 K Street NW, Suite 700

Washington, DC 20005

Phone: 202-628-8476

Fax: 202-628-2241

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:
<http://www.doi.gov/bia/areas/agency.html>

Eastern Area Office, Bureau of Indian Affairs
3701 N. Fairfax Drive Mail Stop 260-VASQ
Arlington VA 22203
703-235-2571

Scenic Trails

Government Records Searched in This Report

APPAL_TRAIL: Appalachian National Scenic Trail

Source: Appalachian Trail Conservancy and National Park Service Appalachian Trail Park Office
Telephone: (304) 535-6278
Appalachian Trail centerline.

State Contacts for Additional Information

Appalachian Trail Conference
799 Washington Street P.O. Box 807
Harpers Ferry, WV 25425-0807
(304) 535-6331

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts Special Flood Hazard Areas (1%) and 0.2% Annual Chance of Flood Hazard 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
Phone: 877-336-2627
Date of Government Version: 2015, 2003

Federal Contacts for Additional Information

Federal Emergency Management Agency
877-3362-627

State Contacts for Additional Information

Dept. of Crime Control & Public Safety, Div. Of Emergency Mgmt.
919-733-3867

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010, and 2015 from the U.S. Fish and Wildlife Service.

Source: U.S. Fish and Wildlife Service.

Phone: 608-238-9333

Date of Government Version: 05/28/2015

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

Federal Contacts for Additional Information

Fish & Wildlife Service

813-570-5412

State Contacts for Additional Information

Wildlife Conservation Commission

919-733-3391

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas

Dept. of Env., Health & Natural Resources

919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management

N/ORM, SSMC4

1305 East-West Highway

Silver Spring, Maryland 20910

301-713-3102

State Contacts for Additional Information

DEHNR, Div. Of Coastal Management

919-733-2293

NC Coastal Boundaries

NC One Map

919-754-6580

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Government Records Searched in This Report

Cellular

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

Antenna Structure Registration

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

AM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FAA Digital Obstacle File

Federal Aviation Administration (FAA)
1305 East-West Highway, Station 5631
Silver Spring, MD 20910-3281
Telephone: 301-713-2817

Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities

Federal Aviation Administration
Telephone (800) 457-6656
Private and public use landing facilities.

Electric Power Transmission Line Data

PennWell Corporation

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KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Excessive Radio Frequency Emission

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information

Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470

OTHER CONTACT SOURCES

Department of Administration
1302 Mail Service Center
Raleigh NC 27699-1302
919-807-2323

STREET AND ADDRESS INFORMATION

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APPENDIX C
NOTICE OF DRY-CLEANING SOLVENT REMEDIATION
JBDT 2 LLC
RESERVE CAMPBELL CGC LL
PARCEL ID 10316302

NOTICE OF DRY-CLEANING SOLVENT REMEDIATION

Property Owner: JBBDT 2 LLC and Reserve Campbell CGC LLC

Recorded in Book _____, Page _____

Associated plat recorded in Plat Book _____, Page _____

This documentary component of a Notice of Dry-Cleaning Solvent Remediation (hereinafter "Notice") is hereby recorded on this ____ day of _____, 20____ by JBBDT 2 LLC and Reserve Campbell CGC LLC (hereinafter "Property Owner"). The survey plat component of the Notice is being recorded concurrently with this documentary component. The real property (hereinafter "Property") which is the subject of this Notice is located at 5616 Farm Pond Lane, Charlotte, Mecklenburg County, North Carolina, Parcel Identification Number (PIN) 10316302.

The Property is contaminated with dry-cleaning solvent, as defined at North Carolina General Statutes (hereinafter "N.C.G.S."), Section (hereinafter "§") 143-215.104B(b)(9) and other contaminants. This Notice has been approved by the North Carolina Department of Environmental Quality, or its successor in function (hereinafter "DEQ") under the authority of the Dry-Cleaning Solvent Cleanup Act of 1997, as amended, N.C.G.S. § 143-215.104A *et seq.* (hereinafter "DSCA"), and is required to be filed in the Register of Deeds' Office in the county or counties in which the land is located, pursuant to NCGS § 143-215.104M.

Soil and groundwater at the Property are contaminated with dry-cleaning solvents associated with dry-cleaning operations at the 11 Showers Cleaners (DSCA Site ID DC600096) located at 5616 Farm Pond Lane, Charlotte, in the Campbell Creek Apartments. Dry-cleaning operations were conducted on the Property from approximately 1986 to 2010.

Pursuant to N.C.G.S. § 143-215.104M, this Notice is being filed in order to reduce or eliminate the danger to public health or the environment posed by the Property. Attached hereto as **Exhibit A** is a reduction, to 8 1/2" x 11", of the survey plat component of the Notice required by N.C.G.S. § 143-215.104M. The survey plat has been prepared and certified by a professional land surveyor and meets the requirements of G.S. 47-30, and contains the following information required by N.C.G.S. § 143-215.104M:

(1) A description of the location and dimensions of the areas of potential environmental concern with respect to permanently surveyed benchmarks; and

(2) The type, location and quantity of regulated dry-cleaning solvent contamination and other contaminants known to exist on the Property.

Attached hereto as **Exhibit B**, is a legal description of the Property that would be sufficient as a description in an instrument of conveyance.

Pursuant to NCGS § 143-215.104M, a certified copy of this Notice must be filed within 15 days of receipt of DEQ's approval of the Notice or the effective date of the dry-cleaning solvent remediation agreement, whichever is later. Pursuant to NCGS § 143-215.104M, the copy of the Notice certified by DEQ must be recorded in the grantor index under the names of the owners of the land.

LAND-USE RESTRICTIONS

NCGS § 143-215.104M requires that the Notice identify any restrictions on the current and future use of the Property that are necessary or useful to maintain the level of protection appropriate for the designated current or future use of the Property and that are designated in the dry-cleaning remediation agreement. The restrictions shall remain in force in perpetuity unless canceled by the Secretary of DEQ, or his/her designee, after the hazards have been eliminated, pursuant to NCGS § 143-215.104M. Those restrictions are hereby imposed on the Property, and are as follows:

1. Without prior written approval from DEQ, the Property shall not be used for:
 - a. childcare centers or schools; or
 - b. mining or extraction of coal, oil, gas or any mineral or non-mineral substances.
2. No activities that encounter, expose, remove or use groundwater (for example, installation of water supply wells, fountains, ponds, lakes or swimming pools that use groundwater, or construction or excavation activities that encounter or expose groundwater) may occur on the Property without prior approval of DEQ.
3. In January of each year, on or before January 31st, the owner of any portion of the Property shall submit a notarized Annual Certification of Land-Use Restrictions to DEQ certifying that this Notice remains recorded at the Register of Deeds' office, and that the land-use restrictions are being complied with.
4. No person conducting environmental assessment or remediation at the Property or involved in determining compliance with applicable land-use restrictions, at the direction of, or pursuant to a permit or order issued by DEQ may be denied access to the Property for the purpose of conducting such activities.
5. The owner of any portion of the Property shall cause the instrument of any sale, lease, grant, or other transfer of any interest in the property to include a provision expressly requiring the lessee, grantee, or transferee to comply with this Notice. The failure to include such a provision shall not affect the validity or applicability of any land-use restriction in this Notice.

The following restrictions apply only to the portions of the Property identified as **Area A** and **Area B** as shown on the survey plat attached as Exhibit A:

6. Except for routine maintenance, no construction activities or change in property use that cause or create an unacceptable human health risk from vapor intrusion may occur in **Area A** and **Area B** of the Property without prior approval of DEQ. These activities include but are not limited to: construction of new buildings, removal and construction of part of a building, construction of sub-grade structures that encounter contaminated soil or places building users in close proximity to contaminated groundwater, change from non-residential to residential property, change in tenant space usage, and addition of residential property use on higher floors.
7. Structural modifications that may cause or create an increased risk from vapor intrusion require the property owner to demonstrate to the satisfaction of DEQ that the indoor air in **Area A** and **Area B** modifications include but are not limited to: modification or replacement of heating, ventilation or air conditioning (HVAC) systems, removal or replacement of the building slab, installation of multiple conduits or piping through the building slab, modifications to building walls or ceilings that may change air flow.
8. Soil in **Area B** may not be removed or disturbed unless approved in writing in advance by DEQ or its successor in function, except for routine landscape maintenance and emergency utility repair. In the event of emergency utility repair, DEQ shall be given written notice of any such emergency repair no later than the next business day, and further related assessment and remedial measures may be required.

RIGHT OF ENTRY

The property owner grants and conveys to DEQ, its agents, contractors, and employees, and any person performing pollution remediation activities under the direction of DEQ, access at reasonable times and under reasonable security requirements to the Property to determine and monitor compliance with the land-use restrictions set forth in this Notice. Such investigations and actions are necessary by DEQ to ensure that use, occupancy, and activities of and at the Property are consistent with the land-use restrictions and to ensure that the structural integrity and continued effectiveness of any engineering controls (if appropriate) described in the Notice are maintained. Whenever possible, at least 48 hours advance notice will be given to the Property Owner prior to entry. Advance notice may not always be possible due to conditions such as response time to complaints and emergency situations.

REPRESENTATIONS AND WARRANTIES

The Property Owner hereby represents and warrants to the other signatories hereto:

- i) that the Property Owner is the sole owner of the Property; **or** that the Property Owner has provided to DEQ the names of all other persons that own an interest in or hold an

encumbrance on the Property and have notified such persons of the Property Owner's intention to enter into this Notice;

- ii) that the Property Owner has the power and authority to enter into this Notice, to grant the rights and interests herein provided and to carry out all obligations hereunder; and
- iii) that this Notice will not materially violate or contravene or constitute a material default under any other agreement, document or instrument to which the Property Owner is a party or by which the Property Owner may be bound or affected.

ENFORCEMENT

The above land-use restrictions shall be enforceable without regard to lack of privity of estate or contract, lack of benefit to particular land, or lack of any property interest in particular land. The land-use restrictions shall be enforced by any owner of the Property. The land-use restrictions may also be enforced by DEQ through the remedies provided in NCGS § 143-215.104P or by means of a civil action; by any unit of local government having jurisdiction over any part of the Property; and by any person eligible for liability protection under the DSCA who will lose liability protection if the restrictions are violated. Any attempt to cancel any or all of this Declaration without the approval of the Secretary of DEQ (or its successor in function), or his/her delegate, shall be subject to enforcement by DEQ to the full extent of the law. Failure by any party required-or authorized to enforce any of the above restrictions shall in no event be deemed a waiver of the right to do so thereafter as to the same violation or as to one occurring prior or subsequent thereto.

If a land-use restriction set out in this Notice required under NCGS § 143-215.104.M is violated, the owner of the Property at the time the land-use restriction is violated, the owner's successors and assigns, and the owner's agents who direct or contract for alteration of the contamination site in violation of a land-use restriction shall be liable for remediation of all contaminants to unrestricted use standards.

FUTURE SALES, LEASES, CONVEYANCES AND TRANSFERS

When any portion of the Property subject to this Notice is sold, leased, conveyed or transferred, the deed or other instrument of transfer shall contain in the description section, in no smaller type than that used in the body of the deed or instrument, (1) a statement that the property has been contaminated with dry-cleaning solvent and, if appropriate, cleaned up under the Act and (2) a reference by book and page to the recordation of this Notice.

The Property Owner shall notify DEQ within fourteen (14) calendar days of the effective date of any conveyance, grant, gift, or other transfer, whole or in part, of the Property Owner's interest in the Property. This notification shall include the name, business address and phone number of the transferee and the expected date of transfer.

The Property Owner shall notify DEQ within thirty (30) days following the petitioning or filing of any document by any person initiating a rezoning of the Property that would change the base zone of the Property.

This provision shall not apply to leases that do not provide for the right to take actions that would violate the prohibitions and restrictions of this Notice.

PROPERTY OWNER SIGNATURE

IN WITNESS WHEREOF, Property Owner has caused this instrument to be duly executed this ___ day of _____, 20__.

JBDT 2 LLC
Reserve Campbell CGC LLC

By:

Name of contact

STATE OF _____
COUNTY OF _____

I, _____, a Notary Public of the county and state aforesaid, certify that _____ personally came before me this day and acknowledged that he/she is a Member of JBDT 2 LLC and Reserve Campbell CGC LLC, a North Carolina limited liability corporation, and its Manager, and that by authority duly given and as the act of the company, the foregoing Notice of Dry-Cleaning Solvent Remediation was signed in its name by him.

WITNESS my hand and official stamp or seal, this ___ day of _____, 20__.

Name typed or printed
Notary Public

My Commission expires: _____
[Stamp/Seal]

APPROVAL AND CERTIFICATION

The foregoing Notice of Dry-Cleaning Solvent Remediation is hereby approved and certified.

North Carolina Department of Environmental Quality

By: _____
Jim Bateson, LG
Chief, Superfund Section
Division of Waste Management

Date

ATTACHMENT

LIMITED POWER OF ATTORNEY

I _____ “Property Owner”, do hereby grant a limited power of attorney to DEQ and to DEQ’s independent contractors, as follows:

DEQ and DEQ’s independent contractors shall have the limited power of attorney to record this Notice, including its documentary and survey plat components, in accordance with N.C.G.S. § 143-215.104M on my “Property Owner” behalf. This limited power of attorney shall terminate upon completion of the recordation of the Notice.

Signature of Property Owner _____

Dated this ____ day of _____, 20__.

STATE OF _____

COUNTY OF _____

I, _____, a Notary Public, do hereby certify that _____ personally appeared before me this day and signed this “Limited Power of Attorney”.

WITNESS my hand and official stamp or seal, this ____ day of _____, 20__.

Name typed or printed

Notary Public

My Commission expires: _____

[Stamp/Seal]

CERTIFICATION OF REGISTER OF DEEDS

The foregoing documentary component of the Notice of Dry-Cleaning Solvent Remediation, and the associated plat, are certified to be duly recorded at the date and time, and in the Book and on the Page(s), shown on the first page hereof.

Register of Deeds for Mecklenburg County

By: _____
(signature)

Date

Name typed or printed: _____
Deputy/Assistant Register of Deeds

EXHIBIT A
REDUCTION OF SURVEY PLAT

THIS MAP MAY NOT BE A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS.

SURVEY NOTES
 1) THE PURPOSE OF THIS PLAT IS TO DISPLAY (1) THE LOCATIONS AND DIMENSIONS OF THE AREAS OF POTENTIAL ENVIRONMENTAL CONCERN WITH RESPECT TO SURVEYED BENCHMARKS AND (2) THE TYPE, LOCATION AND QUANTITY OF REGULATED SUBSTANCES AND CONTAMINANTS KNOWN TO EXIST ON THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCEM) DRY-CLEANING SOLVENT CLEANUP ACT PROGRAM SITE, (AMT) PHYSICAL IMPROVEMENTS HAVE BEEN SHOWN.
 2) THE AREAS AND TYPES OF CONTAMINATION DEPICTED HEREON ARE APPROXIMATIONS DERIVED FROM THE BEST AVAILABLE INFORMATION AT THE TIME OF FIELD SURVEY. THIS INFORMATION WAS SUPPLIED TO TAYLOR WISEMAN & TAYLOR BY AECOM.
 3) ALL BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE BASED UPON LOCALIZED, HORIZONTAL GROUND MEASUREMENTS.
 4) PROPERTY OWNER INFORMATION WAS OBTAINED VIA THE MECKLENBURG COUNTY ONLINE GIS WEBSITE.
 5) ADJACENT PROPERTY LINES SHOWN HEREON WERE TAKEN FROM THE MECKLENBURG COUNTY GIS DATABASE ON APRIL 23, 2021 AND THIS INFORMATION HAS BEEN SHOWN HEREON FOR REFERENCE PURPOSES ONLY. NO TRANSLOCATION, ROTATION OR SCALING WAS PERFORMED ON THE GIS DATA. IT WAS INSERTED INTO OUR DRAWING FILE AS PROVIDED. NO ACCURACY OR POSITIONAL TOLERANCE IS GUARANTEED BY THE SURVEY AS TO HOW THE SURVEYED FEATURES TRULY RELATE TO THE GIS INFORMATION SHOWN HEREON.
 6) PROPERTIES SHOWN HEREON ARE SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD THAT WOULD BE REVEALED BY A THOROUGH TITLE SEARCH. THIS PLAT SHOULD NOT BE RELIED UPON AS A COMPLETE RECORD OF ALL EASEMENTS THAT MAY AFFECT THESE PROPERTIES.
 7) MONITORING WELLS AND SOL BORINGS SHOWN HEREON WERE LOCATED BY CONVENTIONAL SURVEYING METHODS.

SURVEY CONTROL / GRID TIE NOTES
 1) NAD83 (2011) IPNCH 2010.00
 2) NAD83 (2011) IPNCH 2010.00
 3) NAD83 (2011) IPNCH 2010.00
 4) LIMIT OF MEASUREMENT U.S. SURVEY FOOT
 5) QUANTITY PROCEDURE: REAL TIME NETWORK (RTS)
 6) DATE OF THIS SURVEY: 04/09/2021
 7) SURVEYING INSTRUMENT: 1"=100'
 8) PUBLISHED GRID CONTROL USED:
 9) NAME: NCEM 8545 457 THE IPNCH 098
 10) LATITUDE: 30°14'24.28987" N ELLIPSOID HEIGHT: 289,765.00 m CONVERSION: 80°14'24.28987" W GRID HEIGHT: 204.00 m ADJUSTMENT: SURVEY DATA WAS POST PROCESSED WITH TRIMBLE BUSINESS CENTER (TRIM) USING A TWO-PASS LEAST SQUARES ADJUSTMENT AT THE 95% CONFIDENCE LEVEL.
 11) CLASS OF SURVEY: CLASS A
 12) POSITIONAL ACCURACY: ±0.75 (95%)
 13) HORIZONTAL ACCURACY: ±0.75 (95%)
 14) VERTICAL ACCURACY: ±0.75 (95%)
 15) CONTROLLED FACTOR: 0.9994395

DEED STATEMENT
 N.C.G.S. 143-215.104(d) REQUIRES THAT WHEN PROPERTY FOR WHICH A NOTICE OF DRY-CLEANING SOLVENT REMEDIATION HAS BEEN FILED IS SOLD, CONVEYED OR TRANSFERRED, THE DEED OR OTHER INSTRUMENT OF TRANSFER SHALL CONTAIN IN THE DESCRIPTION SECTION IN NO SMALLER TYPE THAN THAT USED IN THE BODY OF THE DEED INSTRUMENT, A STATEMENT THAT THE PROPERTY HAS BEEN CONTAMINATED WITH DRY-CLEANING SOLVENT AND, IF APPLICABLE, CLEANED UP UNDER THIS PART.
 THIS PROPERTY HAS BEEN CONTAMINATED WITH DRY-CLEANING SOLVENT. A NOTICE OF DRY-CLEANING SOLVENT REMEDIATION IS RECORDED IN THE MECKLENBURG COUNTY REGISTER OF DEEDS OFFICE AT BOOK _____ PAGE _____. QUESTIONS CONCERNING THIS MATTER MAY BE DIRECTED TO THE NORTH CAROLINA DEPARTMENT OF WASTE MANAGEMENT, SUPERFUND SECTION, DRY-CLEANING SOLVENT CLEANUP ACT (DSCA) PROGRAM, OR ITS SUCCESSORS IN FUNCTION, 1646 HAMB SERVICE CENTER, RALEIGH, NC 27694-5466.

OWNERS ACKNOWLEDGEMENT
 I, _____, ACKNOWLEDGE THAT I HAVE FULL AUTHORITY TO LEGALLY EXECUTE A DEED FOR THIS PROPERTY.
 SIGNATURE: _____ DATE: _____
 STATE OF: _____
 COUNTY OF: _____
 I, _____, A NOTARY PUBLIC OF SAID COUNTY AND STATE,
 DO HEREBY CERTIFY THAT _____ DID PERSONALLY APPEAR
 AND SIGN BEFORE ME THIS _____ DAY OF _____
 NOTARY PUBLIC (SIGNATURE) _____
 MY COMMISSION EXPIRES _____

DEED ACKNOWLEDGEMENT
APPROVED FOR THE PURPOSES OF N.C.G.S. 143-215.104M
 J. BATESON, LLC
 CHIEF SUPERFUND SECTION
 DIVISION OF WASTE MANAGEMENT
 STATE OF NORTH CAROLINA
 COUNTY OF _____
 I, _____, A NOTARY PUBLIC OF SAID COUNTY AND STATE,
 DO HEREBY CERTIFY THAT _____ DID PERSONALLY APPEAR
 AND SIGN BEFORE ME THIS _____ DAY OF _____

DEED ACKNOWLEDGEMENT
 J. BATESON, LLC
 CHIEF SUPERFUND SECTION
 DIVISION OF WASTE MANAGEMENT
 STATE OF NORTH CAROLINA
 COUNTY OF _____
 I, _____, A NOTARY PUBLIC OF SAID COUNTY AND STATE,
 DO HEREBY CERTIFY THAT _____ DID PERSONALLY APPEAR
 AND SIGN BEFORE ME THIS _____ DAY OF _____

DEED ACKNOWLEDGEMENT
 J. BATESON, LLC
 CHIEF SUPERFUND SECTION
 DIVISION OF WASTE MANAGEMENT
 STATE OF NORTH CAROLINA
 COUNTY OF _____
 I, _____, A NOTARY PUBLIC OF SAID COUNTY AND STATE,
 DO HEREBY CERTIFY THAT _____ DID PERSONALLY APPEAR
 AND SIGN BEFORE ME THIS _____ DAY OF _____

DEED ACKNOWLEDGEMENT
 J. BATESON, LLC
 CHIEF SUPERFUND SECTION
 DIVISION OF WASTE MANAGEMENT
 STATE OF NORTH CAROLINA
 COUNTY OF _____
 I, _____, A NOTARY PUBLIC OF SAID COUNTY AND STATE,
 DO HEREBY CERTIFY THAT _____ DID PERSONALLY APPEAR
 AND SIGN BEFORE ME THIS _____ DAY OF _____

SYMBOL LEGEND

⊙ CONTROL POINT	⚡ UTILITY POLE	■ GAS VALVE	⊠ BACKFLOW PREVENTER
⊠ REBAR FOUND	⚡ ELECTRIC METER	⊠ CATCH INLET	⊠ FIRE HYDRANT
⊠ IFFC FOUND	⚡ ELECTRIC MANGROVE	⊠ STONE MANGROVE	⊠ WATER METER
⊠ REBAR REBAR SET	⚡ LIGHT POLE	⊠ GRATED INLET	⊠ VALVE
⊠ RIGHT-OF-WAY MONUMENT	⚡ ELECTRIC BOX	⊠ SEWER MANHOLE	⊠ MONITORING WELL
⊠ NAIL FOUND	⊠ GAS METER	⊠ SEWER CLEANOUT	⊠ SIGN
⊠ SOL BORING			

LINE LEGEND

—	PROPERTY LINE (PL)
---	PL NOT SURVEYED
---	RIGHT-OF-WAY LINE
---	OVERHEAD UTILITY WIRES
---	BOUNDARY LINE REMOVED
---	RAIL
---	CHAIN LINK FENCE
---	WOOD PRIVACY FENCE

HATCH LEGEND

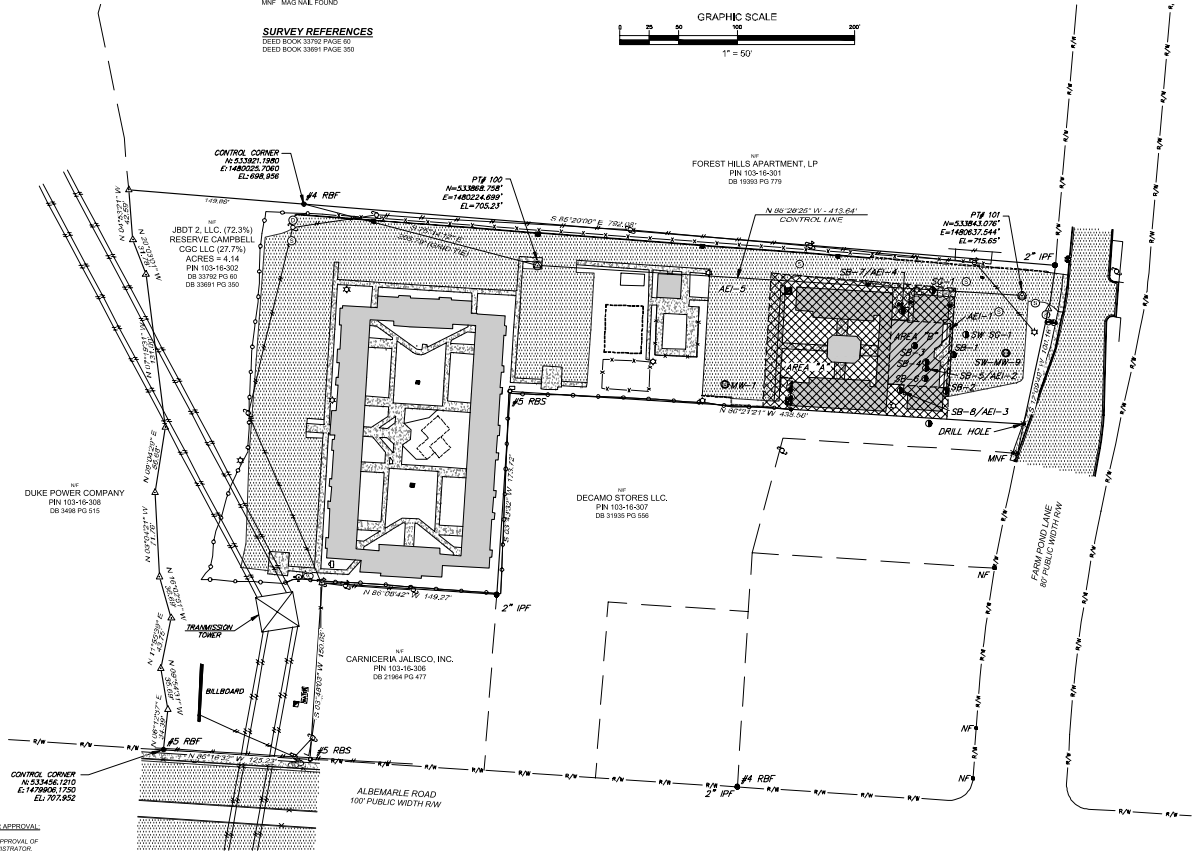
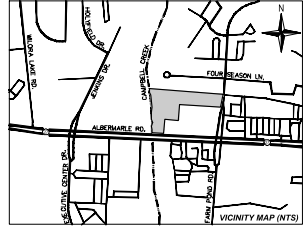
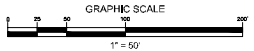
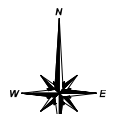
▨	CONCRETE
▨	BUILDING
▨	ASPHALT
▨	AREA "A"
▨	AREA "B"

WELL TABLE

WELL / SAMPLE ID	NORTHING	EASTING	TOP OF CASE ELEVATION	GROUND ELEVATION
MW-1	533767.452	1480384.212	709.82	710.11
SW-MW-9	533794.850	1480223.840	714.98	715.16

PROPERTY DATA
 CLIENT: OWNER: JBD 2, LLC (72.3%) & RESERVE CAMPBELL COG LLC (27.7%)
 ADDRESS: 5616 FARM POND LANE, CHARLOTTE, NC 28211
 PIN: 103-16-302
ABBREVIATIONS
 DB: DEED BOOK
 PL: PLAT BOOK
 PG: PAGE
 NW: NOW OR FORMERLY
 SF: SQUARE FEET
 NW: NOW OR FORMERLY
 REBAR CAP FOUND
 IFF: IRON PIPE FOUND
 MWF: MGS N/A FOUND

RECORDED IN PLAT BOOK _____ PAGE _____



CERTIFICATE OF FLOODPLAIN ADMINISTRATOR APPROVAL
 THIS PLAT HAS BEEN REVIEWED AND MEETS THE APPROVAL OF THE MECKLENBURG COUNTY'S FLOODPLAIN ADMINISTRATOR. SIGNED: _____, DATE: _____
 MECKLENBURG COUNTY FLOODPLAIN ADMINISTRATOR

CONTAMINANT STATEMENT
 GROUNDWATER IN WELLS MW-1 AND SW-MW-9 EXCEEDED THE APPLICABLE 2L WATER QUALITY STANDARDS (15A NCAC 2J.020) FOR ONE OR MORE OF THE FOLLOWING CONTAMINANTS: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, CHLOROBENZENE.
 SOIL BORING AEB-1, SB-1 AND SB-2 EXCEEDED THE ASSOCIATED RESIDENTIAL RISK BASED SCREENING LEVEL (15A NCAC 2J) FOR THE FOLLOWING CONTAMINANT: TRICHLOROETHYLENE, CIS-1,2-DICHLOROETHYLENE AND METHYLENE CHLORIDE.

NOT SUBJECT TO
 THIS PLAT IS NOT SUBJECT TO THE PROVISIONS OF THE CITY OF CHARLOTTE OR MECKLENBURG COUNTY PLANNING SUBDIVISION ORDINANCES AND DOES NOT REQUIRE THE APPROVAL OF THE MECKLENBURG COUNTY PLANNING BOARD. HOWEVER, ANY VIOLATION OF THIS PROPERTY MAY BE SUBJECT TO THESE PROVISIONS.
 MECKLENBURG COUNTY PLANNING BOARD

THE DOCUMENTARY COMPONENT OF THIS NOTICE OF DRY-CLEANING SOLVENT REMEDIATION, WHICH IDENTIFIES CONTROLS OR LIMITATIONS ON THE USE OF THIS PROPERTY, IS RECORDED AT DEED BOOK _____ PAGE _____ PLANNING BOARD STAFF _____ DATE _____

SURVEYORS CERTIFICATE [G.S. 47-30] [21 NCAC 56.1600]

I, JAMES M. PEARSON, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (SEE BEARING AND DISTANCE REFERENCED ON THE FACE OF THIS PLAT). THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED BY DASHED LINES. DRAWN FROM INFORMATION REFERENCED ON THE FACE OF THIS PLAT. THAT THE BOUNDARIES OF THE DEEDS OR PORTIONAL ACCURACY IS CONFIDENTIAL. THAT THIS SURVEY IS OF ANOTHER CATEGORY, SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT-ORDERED SURVEY, OR OTHER EXCEPTION TO THE DEFINITION OF SURVEYOR. THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED, WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL, THIS 25TH DAY OF APRIL, 2021.



PRELIMINARY PLAT

NOT FOR RECORDATION, CONVEYANCES OR SALES
 JAMES M. PEARSON, SALS INC. REC. NO. 14650



TAYLOR WISEMAN & TAYLOR
 ENGINEERS | SURVEYORS | SCIENTISTS
 SUBSURFACE UTILITY ENGINEERS
 977 HUNTERS LANE, SUITE 100
 CHARLOTTE, NC 28203
 PHONE (704) 527-5535 FAX (704) 527-5537
 NORTH CAROLINA LICENSE NUMBER: F-392



SURVEY PLAT
EXHIBIT A TO THE NOTICE OF DRY-CLEANING SOLVENT REMEDIATION
OWNERS: JBD 2, LLC & RESERVE CAMPBELL COG LLC
 PIN 103-16-302
 PIN 103-16-302
 FORMER APRIL SHOWERS CLEANERS DSCA SITE ID DC6000996
 5616 FARM POND LANE
 MECKLENBURG COUNTY, CHARLOTTE, NORTH CAROLINA

REVISIONS

DATE OF SURVEY	SCALE	DRAWN BY	CHECKED BY	PROJECT	SHEET
03/05/2021	1" = 50'	ML	JMP	045193023.00	1 / 1

EXHIBIT B
PROPERTY LEGAL DESCRIPTION

LEGAL DESCRIPTION

**JBBD 2 LLC / RESERVE CAMPBELL CGC LLC
PIN 10316302
DEED BOOK 33792, PAGE 60
5612, 516, 5616, 5620 FARM POND LANE**

All that certain lot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the city of Charlotte, County of Mecklenburg, state of North Carolina.

That certain tract or parcel of land situated, lying and being in city of Charlotte, Mecklenburg County, North Carolina, and being more particularly described as follows:

Beginning at a found #7 rebar in the northern margin of Albemarle Road, said right-of-way having a width of 100 feet as shown in deed book 3644, page 83, of the Mecklenburg County registry, said rebar also being a common corner with Duke Power Company any as shown in deed book 3498 page 515 in the Mecklenburg County registry; thence the following nine (9) courses and distances with the line of Duke Power, 1) north $06^{\circ}21'10''$ east a distance of 34.53 feet to a point at or near the centerline of Campbells creek; 2) continuing with the creek north $09^{\circ}27'00''$ west a distance of 35.69 feet to a point; 3) north $12^{\circ}23'10''$ east a distance of 43.75 feet to a point, 4) north $15^{\circ}35'20''$ west a distance of 36.69 feet to a point, 5) north $02^{\circ}36'50''$ west a distance of 71.76 feet to a point, 6) north $09^{\circ}32'00''$ east a distance of 56.68 feet to a point, 7) north $06^{\circ}52'00''$ west a distance of 131.00 feet to a point, 8) north $19^{\circ}35'30''$ west a distance of 31.78 feet to a point, 9) north $04^{\circ}25'50''$ west a distance of 42.59 feet to a point, said point being a common corner with forest hills apartments as shown in deed book 19393 page 779 in the Mecklenburg County registry; thence leaving Campbells creek and with the line of forest hills apartments south $84^{\circ}52'29''$ east passing a found #5 rebar at 149.95 feet for a total distance of 792.08 feet to a found $3/4''$ iron pipe, said pipe being in the eastern margin of farm pond lane; thence with farm pond lane two (2) courses and distances, 1) with the arc of a curve to the right having a radius of 330.52 feet, an arc length of 37.75 feet, and a chord bearing and length of south $09^{\circ}20'56''$ west 37.73 feet to a set #4 rebar, 2) south $12^{\circ}37'20''$ west a distance of 100.16 feet to a found hole in concrete, said hole being a common corner with court furniture as shown in deed book 4607 page 703 in the Mecklenburg County registry; thence with the line of court furniture the following two (2) courses and distances, 1) north $85^{\circ}53'50''$ west 438.58 feet to a point, 2) south $04^{\circ}05'09''$ west passing a found #4 rebar at 0.45 feet for a total distance of 173.99 feet to a found $1/2''$ iron pipe, said pipe being a common corner with criteria Jalisco, Inc as shown in deed book 21964 page 477 in the Mecklenburg County registry; thence with the line ID Carniceria the following two (2) courses and distances, 1) north $85^{\circ}35'04''$ west a distance of 149.57 feet to a set #4 rebar, 2) south $04^{\circ}15'34''$ west a distance of 150.88 feet to a found #4 rebar in the northern margin of Albemarle Road; thence with the northern margin of Albemarle Road north $85^{\circ}46'42''$ west a distance of 125.04 feet to the point of beginning.

APPENDIX D
EXAMPLE ANNUAL CERTIFICATION OF LAND-USE
RESTRICTIONS

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director



<date>

<property owner>
<address>
<city, state, zip>

Subj: Annual Certification of Land-Use Restrictions
<site name>, <address>
<city>, <county> County, North Carolina
DSCA Site ID DC<site#>

Dear <property owner>:

On <date>, the Division of Waste Management made a “No Further Action” decision for the above referenced site. As part of that decision, it was determined that land-use restrictions were necessary to ensure protection of human health and the environment. The land-use restrictions for this site are specified in the Notice of Dry-Cleaning Solvent Remediation (Notice) signed by the property owner and the Division of Waste Management.

As owner of at least a portion of the DSCA Site, you are required to comply with Condition of the Notice by submitting to DEQ a notarized Annual Certification of Land-Use Restrictions certifying that the Notice remains recorded at the <county> County Register of Deeds’ office and that the Land-Use Restrictions are being complied with. Please complete the enclosed Annual Certification of Land-Use Restrictions and return it to me on or before **January 31, 20__** at the following address:

NCDEQ
Division of Waste Management
DSCA/AI Chapman
1646 Mail Service Center
Raleigh, NC 27699-1646

In accordance with § 143-215.104M(f), any person who fails to comply within the time specified in this letter, shall then be subject to the applicable enforcement procedures. The Notice further states that if a land-use restriction is violated, the owner of the contamination



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200

site at the time the land-use restriction is violated, the owner's successors and assigns, and the owner's agents who direct or contract for alteration of the contamination site in violation of a land-use restriction shall be liable for remediation of all contaminants to unrestricted use standards.

If you have any questions concerning these documents or the site, please contact me at (919) 707-xxxx or via email at <dscapm>@ncdenr.gov.

Sincerely,

<dscapm>, Project Manager
DSCA Remediation Unit
Superfund Section
Division of Waste Management

Attachments: Annual Certification of Land-Use Restrictions form

Cc: DSCA Site ID DC<site#> File



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200

Annual Certification of Land-Use Restrictions

Site Name: April Showers Cleaners
Site Address: 5616 Farm Pond Lane, Charlotte, Mecklenburg County
DSCA Site ID: DC600096

ANNUAL CERTIFICIATION of LAND-USE RESTRICTIONS

Pursuant to Condition [] in the Notice of Dry-Cleaning Solvent Remediation (Notice) signed by <property owner or authorized designee> and recorded in Deed Book <blank>, Page <blank> on <date> at the <blank> County Register of Deeds Office, <property owner or authorized designee> hereby certifies, as an owner of at least part of the property that is the subject of the Notice, that the Notice remains recorded at the [] County Register of Deeds office and the land-use restrictions therein are being complied with.

Duly executed this ____ day of _____, 20__.

<property owner or authorized designee>

By: _____

Name typed or printed: _____

STATE OF _____
COUNTY OF _____

I, _____, a Notary Public of the county and state aforesaid, certify that _____ personally came before me this day and the foregoing certification was signed by him/her.

WITNESS my hand and official stamp or seal, this ____ day of _____, 20__.

Name typed or printed:
Notary Public

My Commission expires: _____
[Stamp/Seal]

APPENDIX E
EXAMPLE DOCUMENTS ANNOUNCING PUBLIC
COMMENT PERIOD

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director



<Date>

City Manager/County Health Director
<address>
<city>, NC <zip>

Subj: Remediation of Dry-Cleaning Solvent Contamination
DSCA Site ID DC600096
April Showers Cleaners, 5616 Farm Pond Lane
Charlotte, NC

Dear <name>:

The Dry-Cleaning Solvent Cleanup Act of 1997 (DSCA), North Carolina General Statutes (N.C.G.S.) Sections 143-215.104A through 143-215.104U, provides for the assessment and remediation of properties that may have been or were contaminated by chlorinated solvents. To satisfy the requirements of N.C.G.S. 143-215.104L, this letter serves as the **Notice of Intent to Remediate a Dry-Cleaning Solvent Facility or Abandoned Site** (NOI) approved by the North Carolina Department of Environmental Quality (DEQ).

The NOI must provide, to the extent known, a legal description of the location of the DSCA Site, a map showing the location of the DSCA Site, a description of the contaminants involved and their concentrations in the media of the DSCA Site, a description of the intended future use of the DSCA Site, any proposed investigation and remediation, and a proposed Notice of Dry-Cleaning Solvent Remediation (NDCSR) prepared in accordance with N.C.G.S. Section 143-215.104M. The required components of the NOI are included in the attached Risk Management Plan, and are available during the public comment period on our website at:

<https://deq.nc.gov/about/divisions/waste-management/superfund-section/special-remediation-branch/dsca-public-notices-announcements>

The DSCA Program is providing a copy of the NOI to all local governments having jurisdiction over the DSCA Site. A 30-day public comment period is being held from <date>, until <date>. Written comments may be submitted to DEQ no later than <date>. Written requests for a public meeting may be submitted to DEQ no later than <date>. All such comments and requests should be sent to:

Al Chapman, DSCA Remediation Unit
Division of Waste Management, NCDEQ
1646 Mail Service Center
Raleigh, North Carolina 27699-1646



A Summary of the NOI is being published in the <newspaper>, copies are being sent to owners of property within and contiguous with the area of contamination, and a copy of the Summary will be conspicuously posted at the Site during the public comment period.

If you have any questions, please feel free to contact me at (919)707-8368.

Sincerely,

[SIGNATURE]

Al Chapman, DSCA Project Manager
Division of Waste Management, NCDEQ



Public Notice

SUMMARY OF NOTICE OF INTENT TO REMEDIATE A DRY-CLEANING SOLVENT FACILITY OR ABANDONED SITE

**N.C. Department of Environmental Quality
Division of Waste Management
Dry-Cleaning Solvent Cleanup Act (DSCA) Program**

April Showers Cleaners
DSCA Site ID DC600096

Pursuant to N.C.G.S. §143-215.104L, on behalf of JBBDT 2 LLC and Reserve Campbell CGC LLC, the North Carolina Department of Environmental Quality's (NCDEQ's) private contractor has prepared a Notice of Intent to Remediate a Dry-Cleaning Solvent Facility or Abandoned Site (NOI). The purpose of this Summary of the NOI is to notify the community of the proposed remedy for the contamination site and invite comment on the proposed remedy.

April Showers Cleaners formerly conducted dry-cleaning operations at 5616 Farm Pond Lane in Charlotte, North Carolina. The tenant space within the Campbell Creek Apartments where the April Showers Cleaners was located is currently used by the Campbell's Creek Apartments management staff. Dry-cleaning solvent contamination in soil and/or groundwater has been identified at the following parcel(s):

5616 Farm Pond Lane in Charlotte: Parcel ID 10316302

An investigation of the extent of contamination has been completed. A risk assessment of the contaminated properties concluded that the contamination poses no unacceptable risks. A Risk Management Plan (RMP) has been prepared which proposes using land-use controls to prevent current and future risks at the affected properties.

The elements of the complete NOI are included in the RMP which is available online at <https://deq.nc.gov/about/divisions/waste-management/superfund-section/special-remediation-branch/dsca-public-notice-announcements>

The public comment period begins [REDACTED], 20[REDACTED], and ends [REDACTED], 20[REDACTED]. Comments must be in writing and submitted to NCDEQ no later than [REDACTED], 20[REDACTED]. Written requests for a public meeting may be submitted to NCDEQ no later than [REDACTED], 20[REDACTED]. Requests for additional information should be directed to Al Chapman at (919) 707-8368.

All comments and requests should be sent to:

Al Chapman, DSCA Remediation Unit
Division of Waste Management, NCDEQ
1646 Mail Service Center
Raleigh, North Carolina 27699-1646



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

ELIZABETH S. BISER
Secretary

MICHAEL SCOTT
Director

<date>

<property owner>
<mailing address>
<city, state, zip>

Subj: Dry-Cleaning Solvent Contamination Associated with April Showers Cleaners, 5616 Farm Pond Lane, Charlotte, Mecklenburg County, NC
DSCA Site ID DC600096

Dear <property owner>:

You are receiving this letter because your property at <adjacent property address> is adjacent to an area contaminated with dry-cleaning solvents. There are no actions required on your part and your property is not contaminated. This letter is only for notification purposes. The Dry-Cleaning Solvent Clean-up Act (DSCA) Program has completed an assessment of the dry-cleaning solvent contamination associated with the former April Showers Cleaners at 5616 Farm Pond in Charlotte. **The tenant space within the Campbell Creek Apartments where the April Showers Cleaners was located is currently vacant.** A remedial strategy to address the site contamination has been prepared, and in accordance with our program's statutes, the community has an opportunity to review and comment on the proposed strategy.

The attached Summary of the Notice of Intent to Remediate a Dry-Cleaning Solvent Facility or Abandoned Site (NOI) provides a brief description of the proposed remedy, a web link to the complete NOI, and the dates and procedures for commenting on the proposed remedy. If you do not have access to the internet, we ask that you contact us to request a hard copy of the complete NOI.

If you have questions, please contact me at al.chapman@ncdenr.gov or (919) 707-8368.

Sincerely,

[SIGNATURE]

Al Chapman, DSCA Project Manager
Division of Waste Management, NCDEQ

Attachments: Summary of the NOI
Cc: DSCA Site ID DC600096 File



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200