ASSOCIATES OF NORTH CAROLINA, P.C.

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May 14, 2025

Mr. Mike Cunningham
North Carolina Department of Environmental Quality
Division of Waste Management, Superfund Section
1646 Mail Service Center
Raleigh, NC 27699-1646

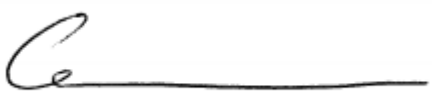
RE: Risk Management Plan
One Hour Koretizing
1691 Northern Boulevard
Rocky Mount, Nash County, North Carolina
DSCA Site ID DC640006

Dear Mr. Cunningham:

ATC Associates of North Carolina, P.C. (ATC) is pleased to submit the enclosed Risk Management Plan (RMP) for the above referenced site. The results of a previous risk assessment indicated 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 during the risk assessment remain valid in the future. Based on the documentation outlined in this report, ATC recommends issuance of a No Further Action letter for the site with the implementation of Land Use Controls.

If you have questions or require additional information, please do not hesitate to contact Ashley Offer at (919) 871-0999.

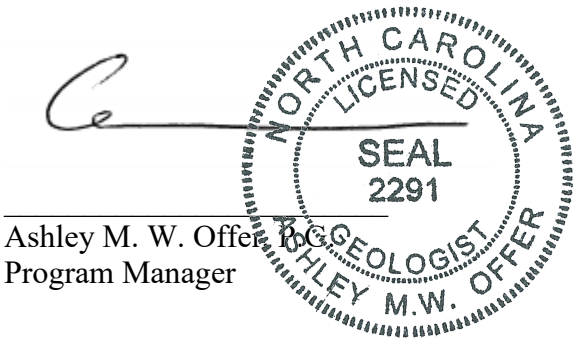
Sincerely,
ATC Associates of North Carolina, P.C.



Ashley M. W. Offer, P.G.
Program Manager

Risk Management Plan
One Hour Koretizing
1691 Northern Boulevard
Rocky Mount, Nash County, NC
DSCA Site ID DC640006

Prepared By:



Ashley M. W. Offer, P.G.
Program Manager

Lawrence M. George, P.G., RSM
Principal/Senior Project Manager

Submitted To:

North Carolina Department of Environmental Quality
Division of Waste Management
Superfund Section – DSCA Program
1646 Mail Service Center
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May 14, 2025

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1.0 INTRODUCTION

ATC Associates of North Carolina, P.C. (ATC) has prepared this Risk Management Plan (RMP) for the former One Hour Koretizing site in Rocky Mount, Nash County, North Carolina, on behalf of the North Carolina Dry-Cleaning Solvent Cleanup Act (DSCA) Program. One Hour Koretizing formerly operated at 1691 Northern Boulevard in Rocky Mount, North Carolina, Parcel Identification Number (PIN) 385109159345. The source property is a 0.56-acre lot developed with one single-story building occupied by Z's Smoke House. Impacts associated with the One Hour Koretizing site (herein referred to as the "site") are limited to the source property (where the dry-cleaning facility was formerly located). The site is as follows:

- Source property - Pickup Pennies, LLC, 1691 Northern Boulevard, Parcel Identification Number (PIN) 385109159345

A map showing the site location is included as ***Figure 1***. 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 (RMP)

ATC completed assessment activities at the site which indicated the following areas of impact attributed to a dry-cleaning solvent release at the site:

- Concentrations of tetrachloroethylene (PCE), trichloroethylene (TCE), cis-1,2-dichloroethylene (cis-1,2-DCE), and vinyl chloride above unrestricted use levels in groundwater on the source property.

ATC completed a risk assessment for the site in April 2024. The results of the risk assessment indicated that target risk levels are exceeded on the source property. However, the risks will be managed based on site-specific land-use conditions that have been selected as part of the 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. A site map which shows identifying features on the source property is included as ***Figure 1***.

3.0 SUMMARY OF RISK ASSESSMENT REPORT

Based on the presence of groundwater impacts above unrestricted use levels, ATC completed a risk assessment for the site on April 24, 2024. This section summarizes the final risk assessment findings, which resulted in the recommendation for no further action status with land-use controls placed on the property.

One Hour Koretizing performed dry-cleaning from 1998 through July 2014 utilizing PCE in one dry-to-dry machine. In 2017, Dot's Cleaners began operating as a drop-off/pick-up, wet wash, and finishing facility, and added an Ipura 440S Hydrocarbon dry-cleaning machine to the facility's operation in 2018. The site was accepted into the DSCA Program in 2017. Dot's Cleaners vacated the property in July 2021. The current property owner, Pickup Pennies, LLC, purchased the property in August 2021. The building is now occupied by Z's Smoke House.

The first step in the risk assessment process consisted of developing an exposure model. One exposure unit was assigned to evaluate current and future exposure pathways for the site. Exposure Unit #1 (EU #1) encompasses the entire source property where the former dry-cleaning facility and groundwater source area are located. The boundary of the exposure unit is depicted on ***Figure 2***. The identified complete exposure pathways were evaluated using the NCDEQ's Risk Calculator. The protection of groundwater use and protection of surface water pathways were also evaluated as further discussed in the following sections.

To provide site background regarding the data used for the risk assessment, analytical data for groundwater, soil, indoor air, sub-slab gas, soil-gas, flux chambers, and surface water are depicted on ***Figures 3, 4, 5,*** and ***6,*** respectively. Proposed land-use control areas are depicted on ***Figure 7***.

Exposure Unit #1

EU #1 encompasses the entire source property where the dry-cleaning facility and groundwater source area are located. The only complete exposure pathway identified for this exposure unit is

the indoor inhalation pathway for a future resident or non-residential worker. ATC collected two indoor air samples in the former dry-cleaning building to determine current risks; however, the results of the indoor air sampling event did not identify any compounds above the laboratory reporting limit. The laboratory reporting limits for the indoor air samples were below Non-Residential vapor intrusion screening levels (VISLs).

It should be noted sufficient soil sampling efforts have been conducted to characterize soil impacts under 15A NCAC 02S .0504. No compounds have been detected in soil samples collected at the site above Inactive Hazardous Sites Branch (IHSB) Preliminary Soil Remediation Goals (PSRGs) or site specific target levels (SSTLs). Furthermore, the laboratory reporting limits for specific chemicals of concern associated with dry-cleaning releases were below the IHSB PSRGs and SSTLs.

Indoor Inhalation Pathway

- For the future exposure scenario for the indoor inhalation pathway through vapor intrusion, data for the sub-slab vapor point containing the highest contaminant concentrations was utilized as the exposure point concentrations (EPCs) for this exposure pathway. The results of the modeling indicated exceedances of acceptable risk levels for a future resident.

As residential risk levels were exceeded for this exposure pathway, either a land use control specifying that no activities that cause or create a human health risk from vapor intrusion may occur without prior approval of DEQ, or, a control specifying that the property shall be used exclusively for non-residential land use as depicted in “Figure 7”.

Protection of Groundwater Use – Contaminant Migration Pathway

The protection of groundwater use pathway evaluates the potential for plume migration towards a downgradient current or future water supply well. The protection of groundwater use pathway was modeled assuming a Point of Exposure (POE) at the nearest off-source property boundary downgradient of the plume. The POE was placed approximately 100 feet to the north of the groundwater source area and is shown on ***Figure 2***. To determine groundwater exposure point concentrations, ATC used the highest historically observed concentration of each detected

compound in the groundwater source area, with the exception of acetone. Acetone is a common laboratory contaminant and is not likely associated with the dry-cleaning release.

Modeling results for the protection of groundwater use evaluation indicated exceedances of SSTLs for source groundwater. Plume stability monitoring indicates the groundwater plume is stable and does not extend beyond the most downgradient monitoring well (MW-2) or temporary well (TMW-2) (Groundwater Monitoring Report, October 2019 and Groundwater and Vapor Intrusion Assessment Letter Report, March 2021). As the plume stability has been established, the groundwater monitoring data collected at the site are considered more relevant and applicable for making risk management decisions and determining land use restriction areas for this exposure pathway. Based on the results of ATC's evaluation of all site characterization data and understanding of the CSM, it appears the groundwater plume is adequately defined and stable and that the plume's distribution, fate and transport, and interaction with receptors has been adequately assessed and characterized to meet standards of 15 NCAC 02S .0504 and meets stability criteria under 15 NCAC 02S .0509. Based on this evaluation the protection of groundwater use pathway is not a significant concern, assuming that land use controls are implemented for the "groundwater use control area" depicted in Figure 7.

Protection of Surface Water – Contaminant Migration Pathway

The protection of surface water pathway was evaluated assuming a POE at the nearest downgradient surface water body, an intermittent stream/surface runoff drainage feature, located approximately 110 feet north of the groundwater source area that is shown on ***Figure 2***. Modeling results for the protection of surface water evaluation indicated exceedances of SSTLs for source groundwater. Plume stability monitoring indicates the groundwater plume is stable and does not extend beyond the most downgradient monitoring well (MW-2) and temporary well (TMW-2) (Groundwater Monitoring Report, October 2019 and Groundwater and Vapor Intrusion Assessment Letter Report, March 2021). Furthermore, a surface water sample collected from the feature did not identify any compounds above laboratory reporting limits. The plume stability monitoring data and surface water sampling data are considered more relevant for making risk management decisions, which are predicated on meeting 15 NCAC 02S .0504 characterization and stability criteria, as they are based on the site conditions and characteristics. Based on this

evaluation, the protection of surface water pathway is not considered a significant concern. Therefore, no additional land-use controls are recommended for this exposure pathway.

Risk Assessment Conclusions

Based on the results of this risk assessment, ATC concludes that the risks associated with the contamination at the site can be managed through implementation of land-use controls, as detailed in this RMP. Therefore, the risk assessment recommended risk-based closure for the site. The land-use controls proposed for the site are discussed in Section 6.0.

4.0 REMEDIAL ACTION PLAN

4.1 Assessment Activities and Interim Actions

The source property is an approximate 0.56-acre parcel developed with one single-story building occupied by Z's Smoke House. The area is primarily characterized by commercial and residential development and undeveloped wooded lots. The property is accessed from the west by a driveway associated with the shopping center on the south adjacent property. The area topography slopes downward towards the north-northwest. A map showing the site location is included as ***Figure 1.***

A Phase I Environmental Site Assessment (ESA) was prepared by Terracon Consultants, Inc. (Terracon) on May 20, 2014, identifying One Hour Koretizing, which operated on the source property since 1998. A Limited Site Investigation Report was submitted by Terracon June 26, 2014, documenting soil and groundwater sampling from borings B-1 through B-4. Laboratory analytical data indicated that a release had occurred as chlorinated solvent impacts were found in groundwater above Title 15A NCAC 02L .0202 Groundwater Quality Standards (2L Standards). The property owner petitioned for One Hour Koretizing to enter the DSCA Program. One Hour Koretizing was accepted into the DSCA Program in February 2017.

ATC submitted an Assessment Report on November 17, 2017, documenting prioritization assessment activities performed between May 2017 and July 2017. During assessment activities, a receptor survey was completed within a one-half mile radius of the site, monitoring wells MW-

1, MW-2, MW-3, MW-4, MW-4R, and MW-5 were installed, groundwater samples were collected from wells MW-1, MW-2, MW-3, MW-4R, and MW-5 (MW-4 was dry), soil samples were collected from borings MW-1, SB-1, SB-2, and SB-3, and sub-slab gas samples were collected from SS-1 and SS-2. Soil analytical results did not identify any compounds above IHSB PSRGS. Concentrations of PCE, TCE, and cis-1,2-DCE were detected in monitoring well MW-1 above the 2L Standard. The results of the sub-slab gas data indicated an exceedance of the residential hazard index for sample SS-1. There were no exceedances for non-residential use.

An Assessment Letter Report was submitted on December 5, 2018, to document work performed between January 2018 and October 2018. During that time one surface water sample (SW-1) was collected from a drainage feature located directly downgradient of the source property. The drainage feature is intermittent but expected to occasionally intersect the shallow water table. The sample did not identify any compounds above laboratory detection limits. Soil samples were collected from borings SB-4 through SB-9 in the dry-cleaning building. No samples indicated impacts above IHSB PSRGs. ATC installed and sampled deep well DMW-1 to vertically characterize groundwater impacts. The sample did not identify compounds above 2L Standards. Finally, ATC attempted to install and sample one soil-gas monitoring point; however, the point was not able to be installed due to the shallow water table. As a result, ATC collected one flux-chamber sample (FC-1) from the eastern boundary of the source property. The results indicated no compounds detected above the laboratory reporting limits.

Plume stability monitoring performed between December 2018 and September 2019 is documented in an October 16, 2019, Groundwater Monitoring Report. The results of the sampling events indicated a plume of groundwater impacted by PCE, TCE, cis-1,2-DCE, and vinyl chloride at concentrations above the 2L Standards; however, the horizontal and vertical extent of impacted groundwater has been adequately defined. The GSI Mann-Kendall Toolkit for MW-1, the only well impacted above 2L Standards, indicates generally stable concentration trends. Wells MW-3, MW-5, and DMW-1 exhibited low levels of PCE, TCE, and cis-1,2-DCE below the 2L Standards. Wells MW-2 and MW-4R did not exhibit detections of PCE or its daughter-compounds. Due to the stable concentration trends and horizontal and vertical plume delineation, ATC concluded that the plume is adequately defined and stable and meets stability criteria under 15A NCAC 02S .0509.

To further assess groundwater impacts, samples were collected from temporary wells TMW-1 and TMW-2 located north of the source property in December 2020. The results indicated no exceedances of 2L Standards. In addition, ATC installed and sampled three temporary sub-pavement points (SG-1 through SG-3) along the western source property boundary and three flux chambers (FC-1, FC-2, and FC-3) along the eastern source property boundary. The results of the sub-pavement and flux chamber sampling indicated no detectable concentrations in the samples. ATC submitted a Groundwater and Vapor Intrusion Assessment Letter Report on March 31, 2021.

Finally, on March 9, 2023, ATC collected two indoor air samples in the former dry-cleaning building to determine the potential inhalation risk to occupants from vapor intrusion at the property. The results of the indoor air sampling event did not identify any compounds above the laboratory reporting limit. The results are included in a Vapor Intrusion Assessment and Public Notification Letter Report dated June 14, 2023.

ATC compiled the recent and historical data for the site and prepared a risk assessment in April 2024. As discussed in detail in Section 3.0, the risk assessment concluded that risks associated with the contamination could be managed through implementation of land-use controls for the site, as detailed in this RMP. Therefore, the risk assessment recommended risk-based closure for the site.

4.2 Remedial Action

According to the DSCA Program's Risk Assessment Guidance, no remedial action is necessary if four site conditions are met. Each of these conditions and their applicability to the subject site are addressed below.

Condition 1: The dissolved plume is stable or decreasing.

Periodic groundwater monitoring has been conducted at the site since June 2014. Constituents of concern (COCs) detected at the site historically above the 2L Standards include PCE, TCE, cis-1,2-DCE, and vinyl chloride, all of which appear to be related to the dry-cleaning solvent release.

ATC utilized the GSI Mann-Kendall Toolkit for Constituent Trend Analysis to evaluate plume stability. The GSI Mann-Kendall Toolkit for MW-1, the only well impacted above 2L Standards, indicates generally stable concentration trends. Wells MW-3, MW-5, and DMW-1 exhibited low levels of PCE, TCE, and cis-1,2-DCE below the 2L Standards. Wells MW-2 and MW-4R did not exhibit detections of PCE or its daughter-compounds. Due to the stable concentration trends and horizontal and vertical plume delineation, ATC concluded that the plume is adequately defined and stable and meets stability criteria under 15A NCAC 02S .0509.

Overall, based on the results of recent and historical sampling events and the plume stability evaluation contained in this report, ATC concludes that the groundwater plume associated with the site is stable. Monitoring well locations are shown on ***Figure 1.*** Demonstration of the plume stability evaluation, including a table showing historical groundwater analytical data and the GSI Mann-Kendall Toolkit documentation, is included in ***Appendix A***.

Condition 2: The maximum concentration within the exposure domain for every complete exposure pathway of any COC is less than ten times the representative concentration of that COC.

ATC evaluated the representative concentrations calculated during the risk assessment and found that this condition has been met for all COCs and exposure pathways.

Condition 3: Adequate assurance is provided that the land-use assumptions used in the DSCA Program's Risk-Based Corrective Action (RBCA) process are not violated for current or future conditions.

Land-use controls will be implemented for the site source property to ensure the assumptions made in the risk assessment remain valid in the future. Refer to Section 6.0 for additional details regarding the proposed land-use controls for the site.

Condition 4: There are no ecological concerns at the site.

ATC completed a Level 1 Ecological Risk Assessment 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 and associated attachments are included in ***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 property where groundwater contamination associated with the site is present.

5.0 DATA COLLECTED DURING RMP IMPLEMENTATION

No further sampling or other data collection activities are proposed for the site, as long as the assumptions detailed in each Notice of Dry-Cleaning Solvent Remediation (NDCSR) remains 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 conditions:

- The source property will only be used for non-residential purposes.
- Groundwater will not be utilized on the source property.

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. A NDCSR was prepared for the source property to comply with the land-use control requirement and is included as ***Appendix C***. Refer to the NDCSR for the specific language to be incorporated to address each of the risk assessment assumptions detailed above. A plat showing the locations and types of dry-cleaning solvent contamination is included as an exhibit to the NDCSR. The locations of dry-cleaning solvent contamination 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 that the owner of the property submit 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 the 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 contamination is stable and has not migrated onto off-source properties, 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 the 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 Nash 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 Nash County Register of Deeds. The NDCSR may, at the request of the owner of the property, 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 remediation of the property. If NCDEQ is notified of a change in site conditions, per the notification requirements detailed in the NDCSR, the RMP will be reviewed to determine if the site conditions have impacted the requirements set forth in each NDCSR and if changes are required. Enforcement of the RMP will be maintained through receipt of the "Annual Land-Use Restrictions Certification" from the source 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 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 owner of the property at the time the LURs are violated, the owner's successors and assigns, and the owner's agents who directed or contracted 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

ATC has prepared this RMP for the One Hour Koretizing site on behalf of the DSCA Program. The results of a risk assessment indicated that contaminant concentrations at the site do not pose an unacceptable risk with appropriate land-use controls applied to the source property. The groundwater contaminant plume associated with the site appears stable. 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, ATC recommends issuance of a "No Further Action" letter.

FIGURES

H:\2021\OTHER OFFICES\NORTH CAROLINA\NCDEQ-DWM-DSCA PROGRAM\64-0006 ONE HOUR KORETIZING\DC6406SL04-SITE1.DWG, FIG1

SITE MAP

ONE HOUR KORETIZING
1691 NORTHERN BOULEVARD
ROCKY MOUNT, NASH COUNTY, NORTH CAROLINA

Figure: 1
Scale: AS SHOWN
Date: 4/21

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

Project Number:	DSCA ID:	Drn. By:
DC6406SL04	DC640006	DH
Drawing File:		Ckd. By:
SEE LOWER LEFT		AW
		App'd By:
ATC		Ckd. Date:

LEGEND:

- MW-1 — MONITORING WELL (Well Identification)
- TMW-1 — TEMPORARY MONITORING WELL (Boring Identification)
- SOURCE PROPERTY LINE
- PARCEL LINE
- 110 — EXISTING TOPOGRAPHY CONTOURS
- L — LIGHT POLE
- C — CULVERT
- D — STORM DRAIN
- EXPOSURE UNIT #1
- GROUNDWATER SOURCE AREA
- SURFACE RUNOFF DRAINAGE/ INTERMITTENT STREAM

NOTE: ALL LOCATIONS ARE APPROXIMATE

BEAVER POND ROAD

MW-2

TMW-2

110' TO SURFACE WATER POINT-OF-EXPOSURE

100' TO GROUNDWATER POINT-OF-EXPOSURE

NORTHERN BOULEVARD (STATE ROAD 1618)

MW-4R

MW-4

DMW-1

MW-1

TMW-1

MW-3

SITE

MW-5

FORMER POND

N

0 10 20 30 40 50

SCALE: 1" = 50'

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

EXPOSURE UNIT MAP

ONE HOUR KORETIZING
1691 NORTHERN BOULEVARD
ROCKY MOUNT, NASH COUNTY, NORTH CAROLINA

Dm. By:	MS
Ckd. By:	AO
App'd By:	
Ckd. Date:	
DSCA Site ID:	DC640006
Project Number:	DC6406SL07
Drawing File:	SEE LOWER LEFT
Date:	10/24
Scale:	AS SHOWN
Figure:	2

ATC

C:\USERS\MILES.SHARPLESS\ONEATLAS\DIGITAL SERVICES - FILE SERVER\2024\CAD DEPARTMENT\NCDEQ-DWM-DSCA PROGRAM\64-0006 ONE HOUR KORETIZING\DC6406SL07-EXPOSURE.DWG, FIG2

C:\USERS\MILES.SHARPLESS\ONEATLAS\DIGITAL SERVICES - FILE SERVER\2024\CAD DEPARTMENT\NCDEQ-DWM-DSCA PROGRAM\64-0006 ONE HOUR KORETIZING\DC64065L07-GW.DWG, FIG3

LEGEND:

- MW-1 — MONITORING WELL (Well Identification)
- TMW-1 — TEMPORARY MONITORING WELL (Boring Identification)
- SOURCE PROPERTY LINE
- PARCEL LINE
- LIGHT POLE
- CULVERT
- STORM DRAIN
- EXPOSURE UNIT #1
- GROUNDWATER SOURCE AREA
- SURFACE RUNOFF DRAINAGE/ INTERMITTENT STREAM
- 0.007 — PCE ISOCONCENTRATION CONTOUR (mg/L) (DASHED WHERE INFERRED)
- 106 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) (ft)
- GROUNDWATER FLOW DIRECTION

NOTE: ALL LOCATIONS ARE APPROXIMATE

BEAVER POND ROAD

NORTHERN BOULEVARD (STATE ROAD 1618)

110' TO SURFACE WATER POINT-OF-EXPOSURE

100' TO GROUNDWATER POINT-OF-EXPOSURE

SITE

FORMER POND

MW-2		
Sample Date		9/4/19
Screen Interval (feet bgs)		2-12
Tetrachloroethylene	mg/L	<0.000500

TMW-2		
Sample Date		12/7/20
Screen Interval (feet bgs)		0-8
Tetrachloroethylene	mg/L	<0.000500

MW-4R		
Sample Date		9/4/19
Screen Interval (feet bgs)		6-16
Tetrachloroethylene	mg/L	<0.000500

DMW-1		
Sample Date		9/4/19
Screen Interval (feet bgs)		45-50
Tetrachloroethylene	mg/L	<0.000500

MW-1		
Sample Date		9/4/19
Screen Interval (feet bgs)		4-14
cis-1,2-Dichloroethylene	mg/L	**0.171**
Tetrachloroethylene	mg/L	**0.0476**
Trichloroethylene	mg/L	**0.0226**
Vinyl Chloride	mg/L	**0.00108**

TMW-1		
Sample Date		12/7/20
Screen Interval (feet bgs)		0-9.5
Tetrachloroethylene	mg/L	<0.000500

MW-3		
Sample Date		9/4/19
Screen Interval (feet bgs)		3-13
Tetrachloroethylene	mg/L	<0.000500

MW-5		
Sample Date		9/4/19
Screen Interval (feet bgs)		2-12
Tetrachloroethylene	mg/L	<0.000500

N

0 10 20 30 40 50

SCALE: 1" = 50'

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.
2. Boxes show tetrachloroethylene (PCE), plus any other constituents detected above NC 2L Standards.
3. Concentrations shown in **BOLD** exceed the NC 2L Standards.
4. NS = Not Sampled.
5. J = Estimated value between the laboratory reporting and method detection limits.
6. Contours based on maximum concentration at any depth.
7. Groundwater elevations were measured on 12/07/2020.

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

Dm. By: MS
Ckd. By: AO
App'd By:
Ckd. Date:

Project Number: DC6406SL07
DSCA Site ID: DC640006
Drawing File: SEE LOWER LEFT

ATC

GROUNDWATER QUALITY MAP

ONE HOUR KORETIZING
1691 NORTHERN BOULEVARD
ROCKY MOUNT, NASH COUNTY, NORTH CAROLINA

Date: 10/24
Scale: AS SHOWN
Figure: 3

LEGEND:

- MW-1 — MONITORING WELL — Well Identification
- B-1 — SOIL BORING (2014) — Boring Identification
- SB-1 — SOIL BORING (2017-2018) — Boring Identification
- SITE PROPERTY LINE
- PARCEL LINE
- EXPOSURE UNIT
- STORM DRAIN
- CULVERT

NOTE: ALL LOCATIONS ARE APPROXIMATE

B-2	6/10/14
Sample Depth (ft bgs)	4-6
Tetrachloroethylene (mg/kg)	<0.0049

SB-1	6/19/17
Sample Depth (ft bgs)	0-1
Tetrachloroethylene (mg/kg)	<0.0020
Sample Depth (ft bgs)	3-4
Tetrachloroethylene (mg/kg)	<0.0022

SB-4	10/3/18
Sample Depth (ft bgs)	0-1
Tetrachloroethylene (mg/kg)	<0.0018
Sample Depth (ft bgs)	2-2.5
Tetrachloroethylene (mg/kg)	<0.0017

SB-6	10/4/18
Sample Depth (ft bgs)	0-1
Tetrachloroethylene (mg/kg)	<0.0019
Sample Depth (ft bgs)	1-2
Tetrachloroethylene (mg/kg)	<0.0018

B-3	6/10/14
Sample Depth (ft bgs)	6-7
Tetrachloroethylene (mg/kg)	<0.0051

SB-8	10/4/18
Sample Depth (ft bgs)	0-1
Tetrachloroethylene (mg/kg)	<0.0020
Sample Depth (ft bgs)	1-2
Tetrachloroethylene (mg/kg)	<0.0019

B-4	6/10/14
Sample Depth (ft bgs)	6-7
Tetrachloroethylene (mg/kg)	<0.0041

MW-1	6/19/17
Sample Depth (ft bgs)	0-1
Tetrachloroethylene (mg/kg)	<0.0019

SB-5	10/3/18
Sample Depth (ft bgs)	0-1
Tetrachloroethylene (mg/kg)	<0.0020
Sample Depth (ft bgs)	1-2
Tetrachloroethylene (mg/kg)	<0.0020

SB-7	10/3/18
Sample Depth (ft bgs)	0-1
Tetrachloroethylene (mg/kg)	<0.0018
Sample Depth (ft bgs)	2-2.5
Tetrachloroethylene (mg/kg)	<0.0019

B-1	6/10/14
Sample Depth (ft bgs)	4-6
Tetrachloroethylene (mg/kg)	<0.0042

SB-9	10/3/18
Sample Depth (ft bgs)	0-1
Tetrachloroethylene (mg/kg)	<0.0021
Sample Depth (ft bgs)	1-2
Tetrachloroethylene (mg/kg)	<0.0018

SB-2	6/19/17
Sample Depth (ft bgs)	0-1
Tetrachloroethylene (mg/kg)	<0.0021

SB-3	6/20/17
Sample Depth (ft bgs)	0-1
Tetrachloroethylene (mg/kg)	<0.0020
Sample Depth (ft bgs)	3-4
Tetrachloroethylene (mg/kg)	<0.0021

DUMPSTER
ROLLUP DOOR
POTENTIAL CLEANOUT
DRAIN
POTENTIAL SEWER MANHOLE
MW-1
VENTS
B-2
ROLLUP DOOR
BOILER ROOM
SB-5
SB-1
SB-4
WASHERS/ DRYERS
DRYERS
PRESS
SB-6
SB-7
PRESSES
B-3
B-1
PRESSES
SB-8
TABLE
TABLES
CONCRETE FLOOR
SB-9
DRAIN
SB-2
SB-3
CANOPY
COUNTER
TILE FLOOR
OFFICE
FORMER DRY-CLEANING EQUIPMENT LOCATION
B-4

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

N

0 5 10 15 20
SCALE: 1" = 20'

SOIL QUALITY MAP

ONE HOUR KORETIZING
1691 NORTHERN BOULEVARD
ROCKY MOUNT, NASH COUNTY, NORTH CAROLINA

Date: 10/24
Scale: AS SHOWN
Figure: 4

Project Number: DC6406SL07
DSCA Site ID: DC640006
Drawing File: SEE LOWER LEFT
Dm. By: MS
Ckd. By: AO
App'd By:
Ckd. Date:

ATC

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LEGEND:

- MW-1 — MONITORING WELL (Well Identification)
- SG-1 — SOIL-GAS / FLUX CHAMBER SAMPLE LOCATION (Sample Identification)
- IA-1 — INDOOR AIR SAMPLE (Sample Identification)
- SS-2 — SUB-SLAB GAS NO RISK EXCEEDANCE (Sample Identification)
- SS-1 — SUB-SLAB GAS RESIDENTIAL RISK EXCEEDANCE (Sample Identification)
- SOURCE PROPERTY LINE
- PARCEL LINE
- LIGHT POLE
- CULVERT
- STORM DRAIN
- SURFACE RUNOFF DRAINAGE/ INTERMITTENT STREAM
- EXPOSURE UNIT #1

NOTE: ALL LOCATIONS ARE APPROXIMATE

BEAVER POND ROAD

NORTHERN BOULEVARD (STATE ROAD 1618)

MW-2, MW-3, MW-4R, MW-4, FC-3, DMW-1, MW-1, FC-1, IA-1, SS-1, FC-2, SITE, IA-2, SS-2, SG-3, SG-2, SG-1, MW-5, FORMER POND

SS-1	06/15/17
Sample Type	Summa
Tetrachloroethylene (µg/m³)	3,200
Res Cumulative Carcinogenic Risk	8.9E-06
Res Hazard Index	**2.3**
Non-Res Cumulative Carcinogenic Risk	6.8E-07
Non-Res Hazard Index	0.18

SG-3	Depth (in bgs)
	4
Date	12/11/2020
Sample Duration (hours)	G
Tetrachloroethylene (µg/m³)	<7.3

SG-2	Depth (in bgs)
	4
Date	12/11/2020
Sample Duration (hours)	G
Tetrachloroethylene (µg/m³)	<7.4

SG-1	Depth (in bgs)
	4
Date	12/11/2020
Sample Duration (hours)	G
Tetrachloroethylene (µg/m³)	<7.1

IA-1	3/9/2023
Sample type	Summa
Sample Duration (hours)	8h
Tetrachloroethylene (µg/m³)	<0.17

IA-2	3/9/2023
Sample type	Summa
Sample Duration (hours)	8h
Tetrachloroethylene (µg/m³)	<0.16

FC-3	Start	End
	Depth (in bgs)	
	0	0
Date	12/11/2020	12/11/2020
Sample Duration (hours)	0	8
Tetrachloroethylene (µg/m³)	<6.9	<6.8

FC-1	Start	End	Start	End
	Depth (in bgs)			
	0	0	0	0
Date	2/15/2018	2/15/2018	12/11/2020	12/11/2020
Sample Duration (hours)	0	8	0	8
Tetrachloroethylene (µg/m³)	<6.9	<6.9	<6.8	<6.8

FC-2	Start	End
	Depth (in bgs)	
	0	0
Date	12/11/2020	12/11/2020
Sample Duration (hours)	0	8
Tetrachloroethylene (µg/m³)	<6.6	<7.2

SS-2	6/15/17
Sample Type	Summa
Tetrachloroethylene (µg/m³)	190
Res Cumulative Carcinogenic Risk	5.3E-07
Res Hazard Index	0.14
Non-Res Cumulative Carcinogenic Risk	4.0E-08
Non-Res Hazard Index	0.011

N

0 10 20 30 40 50

SCALE: 1" = 50'

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.
2. Concentrations are reported in micrograms per cubic meter (µg/m³).
3. in bgs = inches below ground surface.
4. G = Grab sample

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

SUB-SLAB GAS, SOIL-GAS, INDOOR AIR AND FLUX CHAMBER QUALITY MAP

ONE HOUR KORETIZING
1691 NORTHERN BOULEVARD
ROCKY MOUNT, NASH COUNTY, NORTH CAROLINA

Date: 10/24
Scale: AS SHOWN
Figure: 5

Project Number:	DSCA Site ID:	Drawing File:	Dm. By:	Ckd. By:	App'd By:	Ckd. Date:
DC6406SL07	DC640006	SEE LOWER LEFT	MS	AO		

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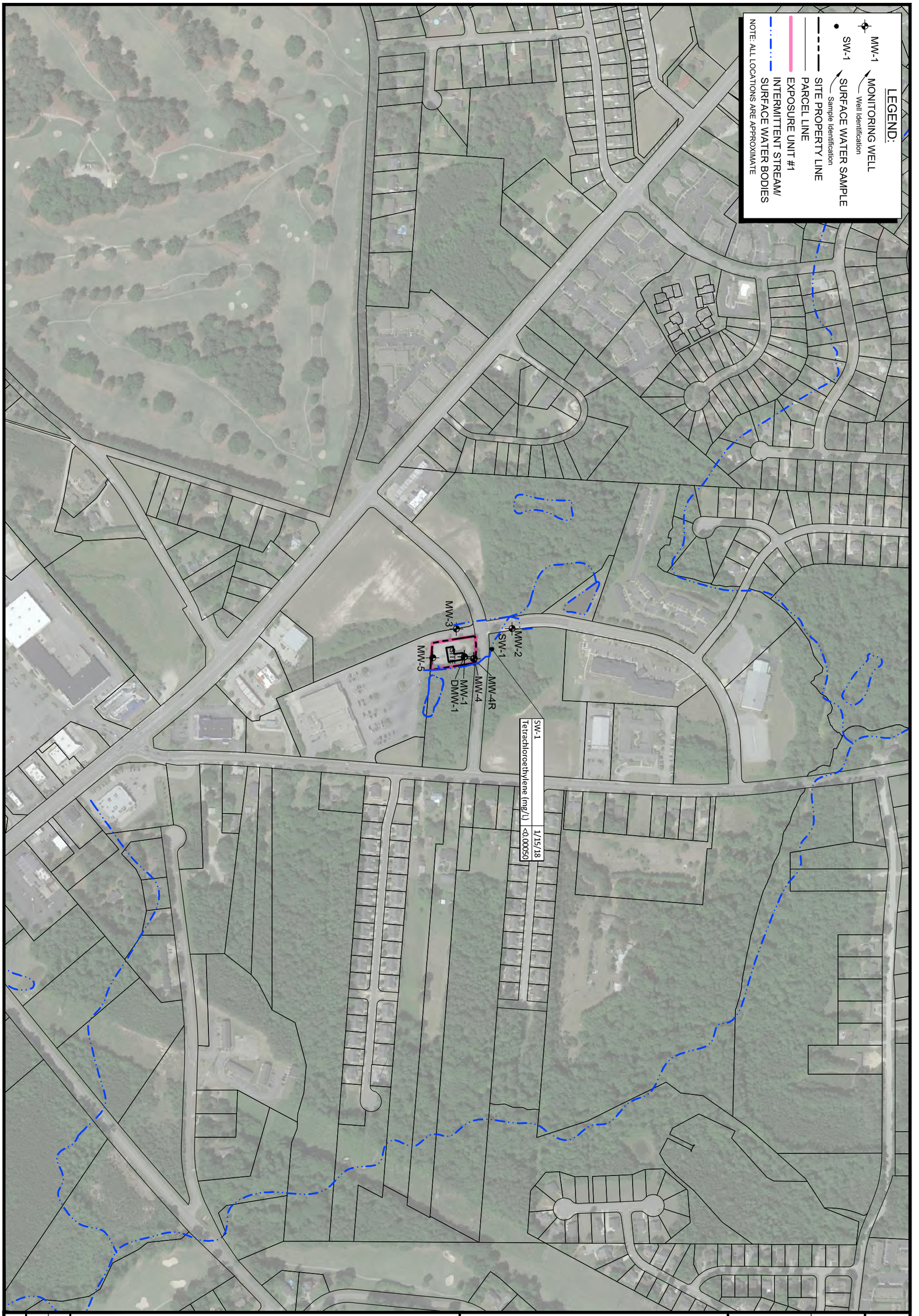

SURFACE WATER QUALITY MAP

ONE HOUR KORETIZING
1691 NORTHERN BOULEVARD
ROCKY MOUNT, NASH COUNTY, NORTH CAROLINA

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.
2. mg/L = milligrams per liter.

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

Figure:	6
Scale:	AS SHOWN
Date:	3/22
Project Number:	DC6406SL05
DSCA Site ID:	DC640006
Drawing File:	SEE LOWER LEFT
Drn. By:	DH
Ckd. By:	AW
App'd By:	
Ckd. Date:	

ATC

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LEGEND:

- MW-1 — MONITORING WELL (Well Identification)
- TMW-1 — TEMPORARY MONITORING WELL (Boring Identification)
- SOURCE PROPERTY LINE
- PARCEL LINE
- 110 — EXISTING TOPOGRAPHY CONTOURS
- L — LIGHT POLE
- C — CULVERT
- D — STORM DRAIN
- EXPOSURE UNIT #1
- GROUNDWATER SOURCE AREA
- PROPOSED GROUNDWATER USE CONTROL AND NON-RESIDENTIAL USE CONTROL AREA
- SURFACE RUNOFF DRAINAGE/ INTERMITTENT STREAM

NOTE: ALL LOCATIONS ARE APPROXIMATE

BEAVER POND ROAD

MW-2

TMW-2

110' TO SURFACE WATER POINT-OF-EXPOSURE

100' TO GROUNDWATER POINT-OF-EXPOSURE

NORTHERN BOULEVARD (STATE ROAD 1618)

MW-4R

MW-4

DMW-1

MW-1

TMW-1

MW-3

SITE

MW-5

FORMER POND

N

0 10 20 30 40 50

SCALE: 1" = 50'

Dm. By:	MS
Ckd. By:	AO
App'd By:	
Ckd. Date:	
DSCA Site ID:	DC640006
Project Number:	DC6406SL07
Drawing File:	SEE LOWER LEFT

ATC

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

LAND-USE CONTROL AREAS MAP

ONE HOUR KORETIZING
1691 NORTHERN BOULEVARD
ROCKY MOUNT, NASH COUNTY, NORTH CAROLINA

Date: 10/24

Scale: AS SHOWN

Figure: 7

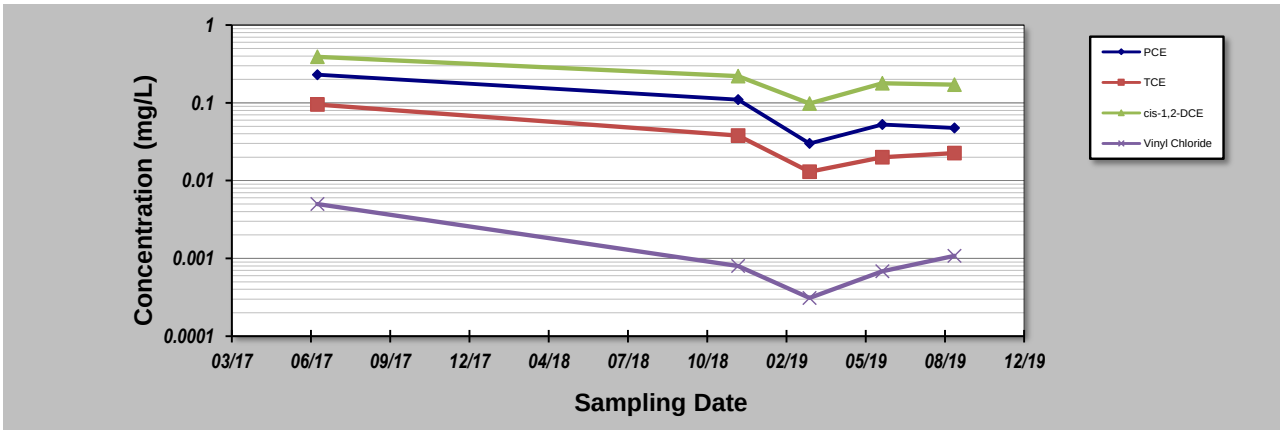
APPENDIX A

PLUME STABILITY DEMONSTRATION

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	16-Oct-19	Job ID:	DC640006
Facility Name:	One Hour Koretizing	Constituent:	MW-1
Conducted By:	ATC Associates of North Carolina, P.C.	Concentration Units:	mg/L

Sampling Point ID:	PCE	TCE	cis-1,2-DCE	Vinyl Chloride			
Sampling Event	Sampling Date	MW-1 CONCENTRATION (mg/L)						
1	6/22/17	0.23	0.095	0.39	0.0050			
2	12/5/18	0.11	0.038	0.22	0.00080			
3	3/5/19	0.030	0.013	0.098	0.00031			
4	6/5/19	0.0527	0.0200	0.179	0.000684			
5	9/4/19	0.0476	0.0226	0.171	0.00108			
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.87	0.88	0.52	1.23			
Mann-Kendall Statistic (S):		-6	-4	-6	-2			
Confidence Factor:		88.3%	75.8%	88.3%	59.2%			
Concentration Trend:		Stable	Stable	Stable	No Trend			



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.

Table 7: Groundwater Elevation Data **ADT 7**

DSCA ID No.: DC640006

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	TOC Elevation [feet]	Depth to Water [feet bgs]	Groundwater Elevation [feet]	Depth to NAPL [feet bgs]	NAPL Thickness [feet]	Corrected* Groundwater Elevation [feet]
MW-1	06/22/17	110.97	5.71	105.26	NA	NA	NA
	06/08/18		7.41	103.56	NA	NA	NA
	12/05/18		6.36	104.61	NA	NA	NA
	03/05/19		5.83	105.14	NA	NA	NA
	06/05/19		7.17	103.80	NA	NA	NA
	09/04/19		7.53	103.44	NA	NA	NA
	12/07/20		6.44	104.53	NA	NA	NA
MW-2	06/22/17	105.41	0.00	105.41	NA	NA	NA
	06/08/18		1.97	103.44	NA	NA	NA
	12/05/18		0.00	105.41	NA	NA	NA
	03/05/19		0.00	105.41	NA	NA	NA
	06/05/19		3.27	102.14	NA	NA	NA
	09/04/19		4.66	100.75	NA	NA	NA
	12/07/20		0.00	105.41	NA	NA	NA
MW-3	06/21/17	110.26	5.04	105.22	NA	NA	NA
	06/08/18		6.08	104.18	NA	NA	NA
	12/05/18		5.7	104.56	NA	NA	NA
	03/05/19		5.17	105.09	NA	NA	NA
	06/05/19		6.46	103.80	NA	NA	NA
	09/04/19		6.81	103.45	NA	NA	NA
	12/07/20		5.77	104.49	NA	NA	NA
MW-4	06/21/17	108.20	DRY	NA	NA	NA	NA
	06/08/18		7.61	100.59	NA	NA	NA
	12/05/18		4.67	103.53	NA	NA	NA
	03/05/19		2.56	105.64	NA	NA	NA
	06/05/19		8.91	99.29	NA	NA	NA
	09/04/19		DRY	NA	NA	NA	NA
	12/07/20		3.84	104.36	NA	NA	NA
MW-4R	07/14/17	110.99	11.99	99.00	NA	NA	NA
	06/08/18		11.75	99.24	NA	NA	NA
	12/05/18		7.61	103.38	NA	NA	NA
	03/05/19		6.09	104.90	NA	NA	NA
	06/05/19		12.91	98.08	NA	NA	NA
	09/04/19		14.51	96.48	NA	NA	NA
	12/07/20		6.55	104.44	NA	NA	NA
MW-5	06/21/17	111.26	2.44	108.82	NA	NA	NA
	06/08/18		3.13	108.13	NA	NA	NA
	12/05/18		2.69	108.57	NA	NA	NA
	03/05/19		2.17	109.09	NA	NA	NA
	06/05/19		3.29	107.97	NA	NA	NA
	09/04/19		3.66	107.60	NA	NA	NA
	12/07/20		2.46	108.80	NA	NA	NA
DMW-1	06/08/18	110.60	4.11	106.49	NA	NA	NA
	12/05/18		5.46	105.14	NA	NA	NA
	03/05/19		3.05	107.55	NA	NA	NA
	06/05/19		3.57	107.03	NA	NA	NA
	09/04/19		6.06	104.54	NA	NA	NA
	12/07/20		4.29	106.31	NA	NA	NA

Table 8: Analytical Data for Groundwater **ADT 8**

DSCA ID No.: DC640006

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Naphthalene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)
		[mg/L]										
B-1	06/10/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0030
B-2	06/10/14	<0.0010	0.0035	<0.0010	<0.0010	<0.0010	**0.0353**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0030
B-3	06/10/14	<0.0010	0.0069	<0.0010	<0.0010	<0.0010	**0.0064**	<0.0010	<0.0010	0.0020	<0.0010	<0.0030
B-4	06/10/14	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0030
MW-1	06/22/17	<0.0050	**0.39**	<0.0050	<0.0050	<0.010	**0.23**	<0.0050	0.0064	**0.095**	<0.010	<0.0150
	12/05/18	<0.0020	**0.22**	<0.0020	<0.0020	<0.010	**0.11**	<0.0020	0.0098	**0.038**	**0.00080J**	<0.0060
	03/05/19	<0.0010	**0.098**	<0.0010	<0.0010	<0.0050	**0.030**	<0.0010	0.0042	**0.013**	**0.00031J**	<0.0030
	06/05/19	<0.00100	**0.179**	<0.00100	<0.00100	<0.00500	**0.0527**	<0.00100	0.00849	**0.0200**	**0.000684J**	<0.00300
	09/04/19	<0.000500	**0.171**	<0.000500	<0.000500	<0.00250	**0.0476**	<0.000500	0.00896	**0.0226**	**0.00108**	<0.00150
MW-2	06/22/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.00050	0.00035J	<0.0010	<0.0010	<0.0020	0.00032J
	12/05/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.00050	<0.0010	<0.0010	<0.0010	<0.0020	<0.0030
	03/05/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.00050	<0.0010	<0.0010	<0.0010	<0.0020	<0.0030
	06/05/19	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.000500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00300
	09/04/19	<0.000500	<0.000500	<0.000500	<0.000500	<0.00250	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.00150
MW-3	06/21/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.00050	<0.0010	<0.0010	0.0019	<0.0020	<0.0030
	12/05/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.00050	<0.0010	<0.0010	<0.0010	<0.0020	<0.0030
	03/05/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.00050	<0.0010	<0.0010	<0.0010	<0.0020	<0.0030
	06/05/19	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.000500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00300
	09/04/19	<0.000500	<0.000500	<0.000500	<0.000500	<0.00250	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.00150
MW-4R	07/14/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.00050	<0.0010	<0.0010	<0.0010	<0.0020	<0.0030
	12/05/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.00050	<0.0010	<0.0010	<0.0010	<0.0020	<0.0030
	03/05/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.00050	<0.0010	<0.0010	<0.0010	<0.0020	<0.0030
	06/05/19	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.000500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00300
	09/04/19	<0.000500	<0.000500	<0.000500	<0.000500	<0.00250	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.00150
MW-5	06/21/17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.00050	<0.0010	<0.0010	0.00035J	<0.0020	<0.0030
	12/05/18	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.00050	<0.0010	<0.0010	<0.0010	<0.0020	<0.0030
	03/05/19	<0.0010	<0.0010	<0.0010	<0.0010	<0.0050	<0.00050	<0.0010	<0.0010	<0.0010	<0.0020	<0.0030
	06/05/19	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.000500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00300
	09/04/19	<0.000500	<0.000500	<0.000500	<0.000500	<0.00250	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.00150
DMW-1	06/08/18	<0.0010	0.00064J	<0.0010	<0.0010	<0.0050	0.00032J	0.00033J	<0.0010	<0.0010	<0.0020	<0.0030
	12/05/18	<0.0010	0.00039J	<0.0010	<0.0010	<0.0050	<0.00050	0.00034J	<0.0010	<0.0010	<0.0020	<0.0030
	03/05/19	<0.0010	0.00025J	<0.0010	<0.0010	<0.0050	<0.00050	0.00024J	<0.0010	<0.0010	<0.0020	<0.0030
	06/05/19	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.000500	0.000437J	<0.00100	<0.00100	<0.00100	<0.00300
	09/04/19	<0.000500	0.000251J	<0.000500	<0.000500	<0.00250	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.00150
TMW-1	12/07/20	<0.000500	<0.000500	<0.000500	<0.000500	0.000330J	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.00150
TMW-2	12/07/20	<0.000500	<0.000500	<0.000500	<0.000500	<0.00250	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.00150
NC 2L Standard		**0.001**	**0.07**	**0.6**	**0.02**	**0.006**	**0.0007**	**0.6**	**0.1**	**0.003**	**0.00003**	**0.5**

Notes:

1. **Bold** concentrations exceed 15A NCAC NC 2L .0202 Groundwater Standards (January 2021).
2. "<" - Not detected above laboratory method reporting limit.
3. J - Estimated value between laboratory method detection limit and laboratory reporting limit.
4. mg/L - milligrams per liter.
5. NA - Not Analyzed.
6. NR - Not Reported.

Table 8(1): Analytical Data for Groundwater (User Specified Chemicals) **ADT 8(1)**

DSCA ID No.: DC640006

Groundwater Sampling Point	Sampling Date (mm/dd/yy)	Acetone	n-Butylbenzene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,1-Dichloroethylene	Bromodichloromethane	Chloroform	Carbon Disulfide
		[mg/L]								
B-1	06/10/14	<0.0250	NR	NR	NR	NR	<0.0010	<0.0010	<0.0010	NR
B-2	06/10/14	<0.0250	NR	NR	NR	NR	<0.0010	<0.0010	<0.0010	NR
B-3	06/10/14	<0.0250	NR	NR	NR	NR	<0.0010	<0.0010	<0.0010	NR
B-4	06/10/14	<0.0250	NR	NR	NR	NR	<0.0010	<0.0010	<0.0010	NR
MW-1	06/22/17	<0.25	<0.0050	<0.0050	<0.0050	<0.0050	0.0011J	<0.0025	<0.010	<0.025
	12/05/18	<0.10	<0.0020	<0.0020	<0.0020	<0.0020	0.00076J	<0.0010	<0.0040	<0.0080
	03/05/19	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	0.00024J	<0.00050	<0.0020	<0.0040
	06/05/19	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	0.000452J	<0.00100	<0.00500	NA
	09/04/19	0.00533J	<0.000500	<0.000500	<0.000500	<0.000500	0.000694	<0.000500	<0.000500	<0.000500
MW-2	06/22/17	<0.050	0.00016J	0.00015J	0.00055J	0.00017J	<0.0010	<0.00050	<0.0020	<0.0050
	12/05/18	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	03/05/19	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	06/05/19	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	NA
	09/04/19	0.00177J	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
MW-3	06/21/17	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	12/05/18	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	03/05/19	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	06/05/19	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	NA
	09/04/19	0.00316J	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
MW-4R	07/14/17	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	12/05/18	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	03/05/19	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	06/05/19	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	NA
	09/04/19	0.00316J	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
MW-5	06/21/17	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	12/05/18	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	03/05/19	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	06/05/19	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	NA
	09/04/19	0.00719J	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
DMW-1	06/08/18	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.0014**	0.011	<0.0040
	12/05/18	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	0.0015J
	03/05/19	<0.050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00050	<0.0020	<0.0040
	06/05/19	<0.0500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	NA
	09/04/19	0.00313J	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
TMW-1	12/07/20	<0.0250	<0.000500	0.000124J	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
TMW-2	12/07/20	<0.0250	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
NC 2L Standard		**6**	**0.07**	**0.07**	**0.4**	**0.4**	**0.35**	**0.0006**	**0.07**	**0.7**

Notes:

1. **Bold** concentrations exceed 15A NCAC NC 2L .0202 Groundwater Standards (January 2021).
2. "<" - Not detected above laboratory method reporting limit.
3. J - Estimated value between laboratory method detection limit and laboratory reporting limit.
4. mg/L - milligrams per liter.
5. NA - Not Analyzed.
6. NR - Not Reported.

APPENDIX B

LEVEL 1 ECOLOGICAL RISK ASSESSMENT CHECKLISTS

Appendix B
Ecological Risk Assessment – Level 1
One Hour Koretizing
1691 Northern Boulevard
Rocky Mount, Nash County, NC 27804
DSCA Site ID DC640006

Checklist A

1. Are there navigable water bodies or tributaries to a navigable water body on or within the one-half mile of the site?

   Based upon the United State Geological Survey (USGS) topographic maps and the United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI), tributaries to Hornbeam Branch are located approximately 1,000 feet to the north and 1,800 feet to the south of the site and Hornbeam Branch is located approximately 2,000 feet to the east northeast at its nearest point to the site. It should be noted the portion of Hornbeam Branch within one-half mile radius of the site is classified as a freshwater forested/shrub wetland. See the topographic map as **Figure 1** and the USFWS NWI map as **Figure 2**.

2. Are there any water bodies anywhere on or within the one-half mile of the site?

   Based on the USGS map (**Figure 1**) and the USFWS NWI map (**Figure 2**), tributaries to Hornbeam Branch are located approximately 1,000 feet to the north and 1,800 feet to the south of the site and Hornbeam Branch is located approximately 2,000 feet to the east northeast at its nearest point to the site. It should be noted the portion of Hornbeam Branch within one-half mile radius of the site is classified as a freshwater forested/shrub wetland. In addition, a retention pond is located approximately 550 feet north of the site. According to the figures, freshwater ponds are located on the eastern adjacent property, 625 feet to the northwest, 1,650 feet to the north, and 2,100 feet to the south; however, the ponds appear to have been filled in. A surface runoff drainage feature is located on the eastern adjacent property that flows north beneath Northern Boulevard and then continues to the northwest. The drainage feature is intermittent but expected to occasionally intersect the shallow water table.

3. Are there any wetland areas such as marshes or swamps on or within one-half mile of the site?

   Based on the USFWS NWI map (**Figure 2**), Hornbeam Branch is located approximately 2,000 feet to the east northeast at its nearest point to the site and is classified as a freshwater forested/shrub wetland.

4. Are there any sensitive environmental areas on or within one-half mile of the site?

   According to the North Carolina Natural Heritage Database, there are no significant natural heritage areas within one-half mile of the site. One 1.54-acre wooded lot approximately 2,570 feet east southeast of the site and located adjacent to Hornbeam Branch is owned and protected by the City of Rocky Mount, as shown on **Figure 3**. ATC also reviewed the

USFWS NWI online database, and no critical habitats or significant natural areas were found within one-half mile of the site. However, the surface water bodies and wetlands identified in Question 1, Question 2, and Question 3 could be considered sensitive environments. Additionally, ATC reviewed the North Carolina State Historic Preservation Office (NCHPO) website to determine if any archaeological sites or historical sites were located within one-half mile of the site. No archaeological sites were found within one-half mile.

5. Are there any areas on or within one-half mile of the site owned or used by local tribes?

   Based on site observations and the North Carolina Department of Cultural Resources, no tribal artifacts or lands have been identified on or within one-half mile of the site. The Native American Consultation Database maintained by the National Park Service did not indicate any tribal areas located within a one-half mile radius of the site.

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?

   According to the North Carolina Natural Heritage Database, there is no habitat, foraging area, or refuge utilized by rare, threatened, endangered, candidate and/or proposed species (plants and animals), or any otherwise protected species on or within one-half mile of the site. Based on the USFWS online databases, there are no wilderness areas or wildlife refuges 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?

   ATC obtained a list of birds that have been identified in Nash County from www.carolinabirdclub.org (see **Attachment 1**). The list includes several migratory bird species. The National Audubon Society has identified 96 Important Bird Areas (IBAs) in North Carolina, comprising 4.9 million acres (http://nc.audubon.org/conservation/important-bird-areas). IBAs are defined as "places that provide essential habitat for one or more species of birds at some time during their annual cycle of breeding, migrating or wintering". There are no IBAs located in Nash County.

8. Are there any ecologically, recreationally, or commercially important species on or within one-half mile of the site?

   The site is located within the City of Rocky Mount in an urban, suburban, and undeveloped environment. It is unlikely that recreational or commercially important species are within the developed areas within one-half mile of the site. However, the surface water bodies and wetlands identified in Question 1, Question 2, and Question 3 are areas where possible ecologically important species may exist.

9. Are there any threatened and/or endangered species (plant or animal) on or within one-half mile of the site?

   According to the USFWS online species list, 68 endangered and threatened species were identified within North Carolina. It is possible that some of these species exist within Nash County. The USFWS list of endangered species, threatened species, federal species of concern and candidate species is included in **Attachment 2**. ATC also reviewed the North Carolina Heritage Program species list for Nash County for a list of rare plants and animals, natural communities, and important animal assemblages and their Federal and North Carolina status. Refer to **Attachment 3** for the complete list of species. The site is located within the City of Rocky Mount in an urban, suburban, and undeveloped environment. There is a potential for some of these properties, particularly the wooded lots and areas with surface water and wetlands, to contain some of these species.

Checklist B

1A. Can chemicals associated with the site leach, dissolve, or otherwise migrate to groundwater?

Yes. The primary constituent of concern at the site, tetrachloroethylene (PCE), is leachable to groundwater. Furthermore, impacted groundwater has been confirmed at the site.

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

Yes. Chemical mobility is primarily influenced by the chemical solubility and soil-water partition coefficient. Based on these values, PCE is classified as moderately mobile (Fetter, 1988).

1C. Does groundwater from the site discharge to ecological receptor habitat?

Groundwater flows north across the site. The primary ecological receptor habitat identified in the site vicinity is a drainage feature located 60 feet north of the source property that is believed to have been connected to a former pond located on the property located east and adjacent of the source property. The drainage feature is intermittent but expected to occasionally intersect the shallow water table. There is also a tributary to Hornbeam Branch located approximately 1,000 feet to the north and a retention pond approximately 550 feet north of the source property. According the USGS map (**Figure 1**) and the USFWS NWI map (**Figure 2**), freshwater ponds are located 625 feet to the northwest and 1,650 feet to the north; however, the ponds appear to have been filled in. Modeling results for the protection of surface water evaluation indicated exceedances of site specific target levels (SSTLs) for source groundwater for the drainage feature located north of the site; however, plume stability monitoring indicates the groundwater plume is stable and does not extend beyond the most downgradient well located approximately 180 feet to the north of the source property. Furthermore, a surface water sample collected form the drainage feature did not identify any compounds above laboratory reporting limits. Based on this data, these ecological receptor habitats are not a significant concern.

1. Could chemicals associated with the site reach ecological receptors through groundwater?

No. The primary ecological receptor habitat identified in the site vicinity is a drainage feature located 60 feet north of the source property that is believed to have been connected to a former pond located on the property located east and adjacent of the source property. The drainage feature is intermittent but expected to occasionally intersect the shallow water table. There is also a tributary to Hornbeam Branch located approximately 1,000 feet to the north and a retention pond approximately 550 feet north of the source property. According the USGS map (**Figure 1**) and the USFWS NWI map (**Figure 2**), freshwater ponds are located 625 feet to the northwest and 1,650 feet to the north; however, the ponds appear to have been filled in. Modeling results for the protection of surface water evaluation indicated exceedances of SSTLs for source groundwater for the drainage feature located north of the site; however, plume stability monitoring indicates the groundwater plume is stable and does not extend beyond the most downgradient well located approximately 180 feet to the north of

the source property. Furthermore, a surface water sample collected form the drainage feature did not identify any compounds above laboratory reporting limits.

2A. Are chemicals present in surface soils on the site?

No.

2B. Can chemicals be leached from or be transported by erosion of surface soils on the site?

Not applicable, as soil impacts have not been identified at the stie.

2. Could chemicals associated with the site reach ecological receptors through runoff or erosion?

No, as soil impacts have not been identified at the site.

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

No.

3B. Are potential ecological receptors on the site?

No. There is no evidence of ecological receptors at the site.

3. Could chemicals associated with the site reach ecological receptors through direct contact?

No, as soil impacts have not been identified at the site.

4A. Are chemicals on the site volatile?

Yes. Chlorinated solvent constituents are considered volatile organic compounds.

4B. Could chemicals on the site be transported in air as dust or particulate matter?

No, as soil impacts have not been identified at the site.

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?

No, as soil impacts have not been identified at the site.

5A. Is Non-Aqueous Phase Liquid (NAPL) present at the site?

No. NAPL has not been encountered at the site.

5B. Is NAPL migrating?

No, as NAPL has not been encountered at the site.

5C. Could NAPL discharge occur where ecological receptors are found?

No, as NAPL has not been encountered at the site.

5. Could chemicals associated with the site reach ecological receptors through migration of NAPL?

No, as NAPL was not identified at the site.

6A. Are chemicals present in surface and shallow subsurface soils or on the surface of the ground?

No.

6B. Are chemicals found in soil on the site taken up by plants growing on the site?

No, as soil impacts have not been identified at the site.

6C. Do potential ecological receptors on or near the site feed on plants (e.g., grasses, shrubs, forbs, trees, etc.) found on the site?

It is possible that migratory birds could be present in the site area.

6D. Do chemicals found on the site bioaccumulate?

Based on published references (U.S. Agency for Toxic Substances and Disease Registry), chlorinated solvent constituents do not typically bioaccumulate.

6. Could chemicals associated with the site reach ecological receptors through direct ingestion of soil, plants, animals, or contaminants?

No, as soil impacts have not been identified at the site.

FIGURES

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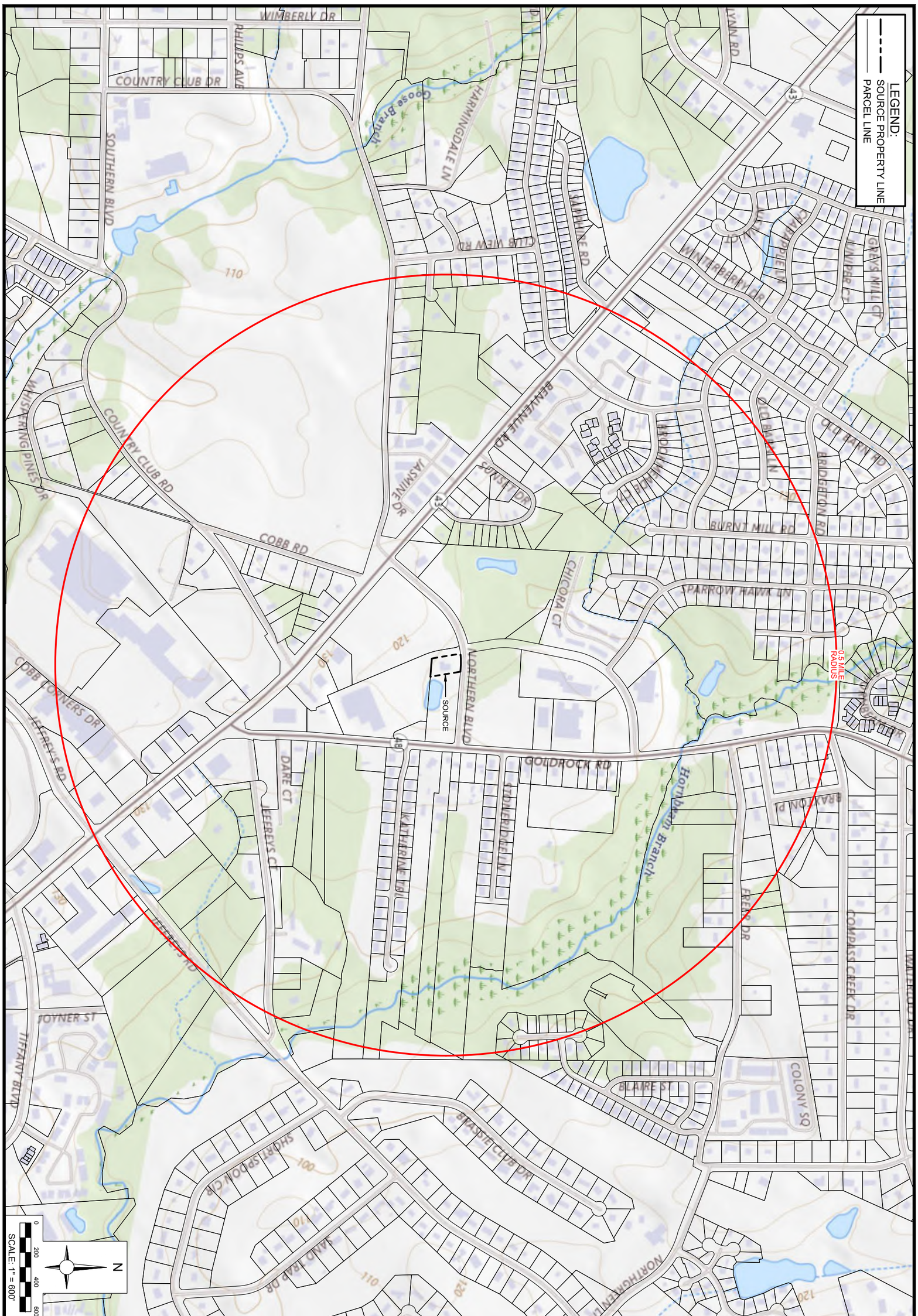

TOPOGRAPHIC MAP

ONE HOUR KORETIZING
1691 NORTHERN BOULEVARD
ROCKY MOUNT, NASH COUNTY, NORTH CAROLINA

Figure: 1
Scale: AS SHOWN
Date: 10/24

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.
2. Ponds identified within 1,500 feet of the source property to the east and north no longer appear to be present.

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

Project Number:	DSCA Site ID:	Dm. By:
DC6406SL07	DC640006	MS
Drawing File:		Ckd. By:
SEE LOWER LEFT		AO
		App'd By:
		Ckd. Date:

ATC

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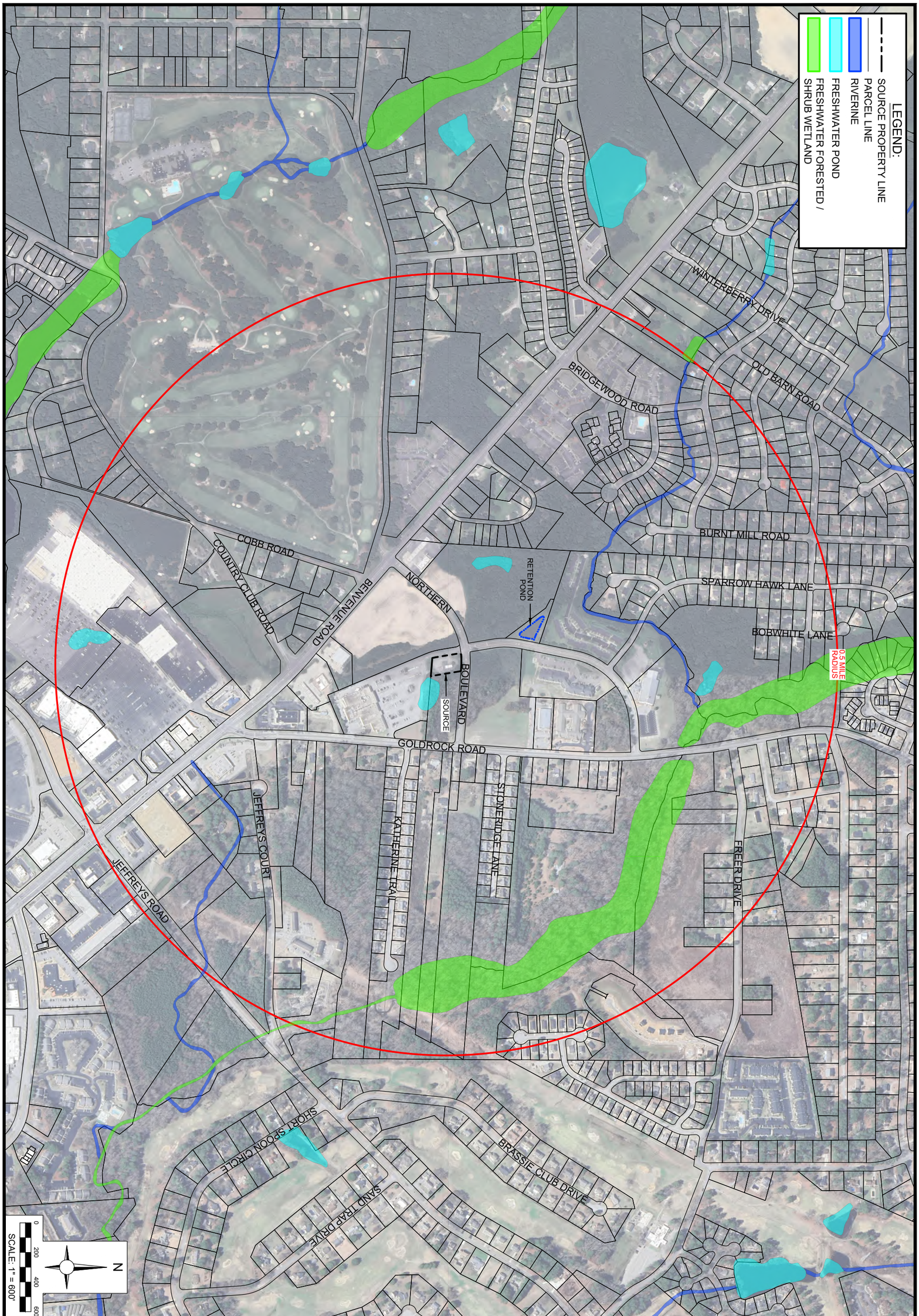

Figure: 2	Scale: AS SHOWN	Date: 10/24	USFWS WETLANDS INVENTORY MAP ONE HOUR KORETIZING 1691 NORTHERN BOULEVARD ROCKY MOUNTAIN, NASH COUNTY, NORTH CAROLINA

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.
2. Ponds identified within 1,500 feet of the source property no longer appear to be present.

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

Project Number:	DSCA Site ID:	Dm. By:
DC6406SL07	DC640006	MS
Drawing File:		Ckd. By:
SEE LOWER LEFT		AO
ATC		App'd By:
		Ckd. Date:

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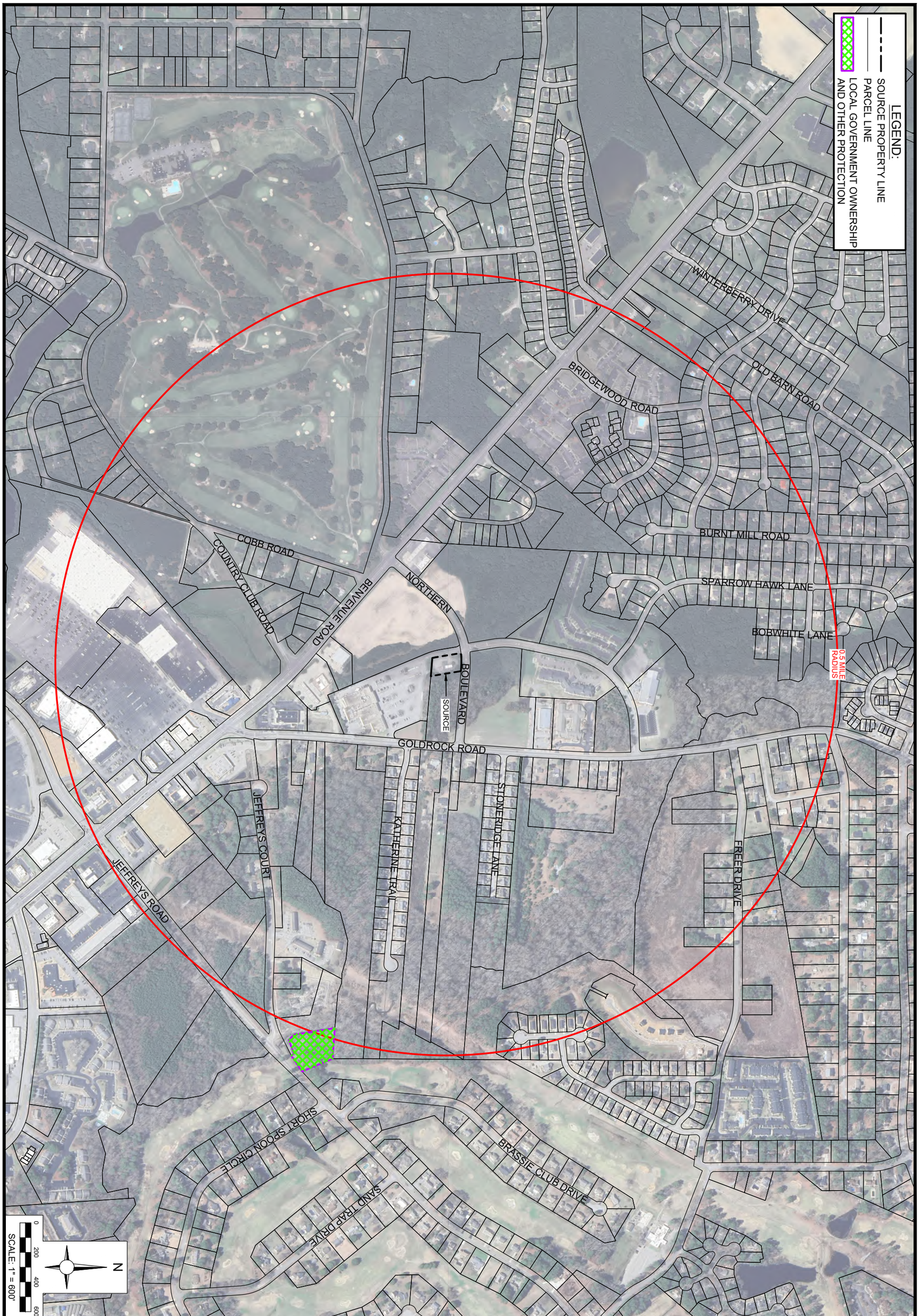


Figure: 3

Scale: AS SHOWN

Date: 10/24

HISTORIC PRESERVATION SITES

ONE HOUR KORETIZING
1691 NORTHERN BOULEVARD
ROCKY MOUNT, NASH COUNTY, NORTH CAROLINA

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

Project Number:	DSCA Site ID:	Dm. By:
DC6406SL07	DC640006	MS
Drawing File:		Ckd. By:
SEE LOWER LEFT		AO
		App'd By:
		Ckd. Date:

ATC

ATTACHMENT 1

MIGRATORY BIRD SPECIES LIST

Birds of North Carolina: their Distribution and Abundance

Birds of NC Home
Recent Records
Recent Accounts
County Listing
Query Database
CBC Home
Definitive/Provisional List
Not Established List
Formerly Accepted Species
NC Checklist
NC Biodiversity Project

Birds of North Carolina - County Listing

No distinction is made between transient and resident records for a county. The majority of the records are from **eBird** and the **Chat**.

Email Harry LeGrand with any questions.

If you would like to submit a record for a species that you have personally sighted in a county not listed for that species, click this link.

Search by: County List | County Map

Search by: Species | Species per County

Nash - 190 species

Ducks, Geese, & Swans - 19 species	1	Fulvous Whistling-Duck	*Dendrocygna bicolor*
	2	Snow Goose	*Anser caerulescens*
	3	Canada Goose	*Branta canadensis*
	4	Trumpeter Swan	*Cygnus buccinator*
	5	Tundra Swan	*Cygnus columbianus*
	6	Wood Duck	*Aix sponsa*
	7	Blue-winged Teal	*Spatula discors*
	8	Northern Shoveler	*Spatula clypeata*
	9	Gadwall	*Mareca strepera*
	10	Mallard	*Anas platyrhynchos*
	11	Green-winged Teal	*Anas crecca*
	12	Redhead	*Aythya americana*
	13	Ring-necked Duck	*Aythya collaris*
	14	Greater Scaup	*Aythya marila*
	15	Lesser Scaup	*Aythya affinis*
	16	Bufflehead	*Bucephala albeola*
	17	Hooded Merganser	*Lophodytes cucullatus*
	18	Red-breasted Merganser	*Mergus serrator*
	19	Ruddy Duck	*Oxyura jamaicensis*
New World Quails - 1 species	20	Northern Bobwhite	*Colinus virginianus*
Grouse and Allies - 1 species	21	Wild Turkey	*Meleagris gallopavo*
Grebes - 3 species	22	Pied-billed Grebe	*Podilymbus podiceps*
	23	Red-necked Grebe	*Podiceps grisegena*
	24	Eared Grebe	*Podiceps nigricollis*
Doves - 2 species	25	Rock Pigeon	*Columba livia*
	26	Mourning Dove	*Zenaida macroura*
Cuckoos & Anis - 1 species	27	Yellow-billed Cuckoo	*Coccyzus americanus*
Goatsuckers - 1 species	28	Chuck-will's-widow	*Antrostomus carolinensis*
Swifts - 1 species	29	Chimney Swift	*Chaetura pelagica*
Hummingbirds - 2 species	30	Ruby-throated Hummingbird	*Archilochus colubris*
	31	Calliope Hummingbird	*Selasphorus calliope*
Rails, Gallinules, & Coots - 1 species	32	American Coot	*Fulica americana*
Cranes - 2 species	33	Sandhill Crane	*Antigone canadensis*
	34	Whooping Crane	*Grus americana*
Plovers - 4 species	35	Black-bellied Plover	*Pluvialis squatarola*
	36	American Golden-Plover	*Pluvialis dominica*
	37	Killdeer	*Charadrius vociferus*
	38	Semipalmated Plover	*Charadrius semipalmatus*
Sandpipers - 13 species	39	Upland Sandpiper	*Bartramia longicauda*
	40	Whimbrel	*Numenius phaeopus*
	41	Baird's Sandpiper	*Calidris bairdii*
	42	Least Sandpiper	*Calidris minutilla*
	43	White-rumped Sandpiper	*Calidris fuscicollis*
	44	Buff-breasted Sandpiper	*Calidris subruficollis*
	45	Pectoral Sandpiper	*Calidris melanotos*
	46	Western Sandpiper	*Calidris mauri*

	47 American Woodcock	*Scolopax minor*
	48 Wilson's Snipe	*Gallinago delicata*
	49 Spotted Sandpiper	*Actitis macularius*
	50 Solitary Sandpiper	*Tringa solitaria*
	51 Greater Yellowlegs	*Tringa melanoleuca*
Gulls & Terns - 4 species	52 Ring-billed Gull	*Larus delawarensis*
	53 Herring Gull	*Larus argentatus*
	54 Least Tern	*Sternula antillarum*
	55 Caspian Tern	*Hydroprogne caspia*
Darters - 1 species	56 Anhinga	*Anhinga anhinga*
Cormorants - 1 species	57 Double-crested Cormorant	*Nannopterum auritum*
Bitterns, Herons, & Allies - 3 species	58 Green Heron	*Butorides virescens*
	59 Great Egret	*Ardea alba*
	60 Great Blue Heron	*Ardea herodias*
Ibises & Spoonbills - 1 species	61 Glossy Ibis	*Plegadis falcinellus*
New World Vultures - 2 species	62 Black Vulture	*Coragyps atratus*
	63 Turkey Vulture	*Cathartes aura*
Osprey - 1 species	64 Osprey	*Pandion haliaetus*
Kites, Eagles, & Hawks - 9 species	65 Swallow-tailed Kite	*Elanoides forficatus*
	66 Northern Harrier	*Circus hudsonius*
	67 Sharp-shinned Hawk	*Accipiter striatus*
	68 Cooper's Hawk	*Accipiter cooperii*
	69 Bald Eagle	*Haliaeetus leucocephalus*
	70 Mississippi Kite	*Ictinia mississippiensis*
	71 Red-shouldered Hawk	*Buteo lineatus*
	72 Broad-winged Hawk	*Buteo platypterus*
	73 Red-tailed Hawk	*Buteo jamaicensis*
Barn-Owls - 1 species	74 American Barn Owl	*Tyto alba*
Owls - 5 species	75 Eastern Screech-Owl	*Megascops asio*
	76 Great Horned Owl	*Bubo virginianus*
	77 Snowy Owl	*Bubo scandiacus*
	78 Barred Owl	*Strix varia*
	79 Northern Saw-whet Owl	*Aegolius acadicus*
Kingfishers - 1 species	80 Belted Kingfisher	*Megaceryle alcyon*
Woodpeckers - 8 species	81 Red-headed Woodpecker	*Melanerpes erythrocephalus*
	82 Red-bellied Woodpecker	*Melanerpes carolinus*
	83 Yellow-bellied Sapsucker	*Sphyrapicus varius*
	84 Downy Woodpecker	*Dryobates pubescens*
	85 Red-cockaded Woodpecker	*Dryobates borealis*
	86 Hairy Woodpecker	*Dryobates villosus*
	87 Northern Flicker	*Colaptes auratus*
	88 Pileated Woodpecker	*Dryocopus pileatus*
Falcons - 3 species	89 American Kestrel	*Falco sparverius*
	90 Merlin	*Falco columbarius*
	91 Peregrine Falcon	*Falco peregrinus*
Tyrant Flycatchers - 5 species	92 Great Crested Flycatcher	*Myiarchus crinitus*
	93 Eastern Kingbird	*Tyrannus tyrannus*
	94 Eastern Wood-Pewee	*Contopus virens*
	95 Acadian Flycatcher	*Empidonax virescens*
	96 Eastern Phoebe	*Sayornis phoebe*
Vireos - 4 species	97 White-eyed Vireo	*Vireo griseus*
	98 Yellow-throated Vireo	*Vireo flavifrons*
	99 Blue-headed Vireo	*Vireo solitarius*
	100 Red-eyed Vireo	*Vireo olivaceus*
Shrikes - 1 species	101 Loggerhead Shrike	*Lanius ludovicianus*
Jays, Crows, & Ravens - 3 species	102 Blue Jay	*Cyanocitta cristata*
	103 American Crow	*Corvus brachyrhynchos*
	104 Fish Crow	*Corvus ossifragus*
Chickadees & Titmice - 2 species	105 Carolina Chickadee	*Poecile carolinensis*
	106 Tufted Titmouse	*Baeolophus bicolor*
Larks - 1 species	107 Horned Lark	*Eremophila alpestris*

Swallows - 5 species	108	Tree Swallow	*Tachycineta bicolor*
	109	Northern Rough-winged Swallow	*Stelgidopteryx serripennis*
	110	Purple Martin	*Progne subis*
	111	Barn Swallow	*Hirundo rustica*
	112	Cliff Swallow	*Petrochelidon pyrrhonota*
Kinglets - 2 species	113	Ruby-crowned Kinglet	*Corthylio calendula*
	114	Golden-crowned Kinglet	*Regulus satrapa*
Waxwings - 1 species	115	Cedar Waxwing	*Bombycilla cedrorum*
Nuthatches - 3 species	116	Red-breasted Nuthatch	*Sitta canadensis*
	117	White-breasted Nuthatch	*Sitta carolinensis*
	118	Brown-headed Nuthatch	*Sitta pusilla*
Treecreepers - 1 species	119	Brown Creeper	*Certhia americana*
Gnatcatchers - 1 species	120	Blue-gray Gnatcatcher	*Polioptila caerulea*
Wrens - 3 species	121	Carolina Wren	*Thryothorus ludovicianus*
	122	Northern House Wren	*Troglodytes aedon*
	123	Winter Wren	*Troglodytes hiemalis*
Mockingbirds & Thrashers - 3 species	124	Gray Catbird	*Dumetella carolinensis*
	125	Brown Thrasher	*Toxostoma rufum*
	126	Northern Mockingbird	*Mimus polyglottos*
Starlings - 1 species	127	European Starling	*Sturnus vulgaris*
Thrushes - 7 species	128	Eastern Bluebird	*Sialia sialis*
	129	Veery	*Catharus fuscescens*
	130	Gray-cheeked Thrush	*Catharus minimus*
	131	Swainson's Thrush	*Catharus ustulatus*
	132	Hermit Thrush	*Catharus guttatus*
	133	Wood Thrush	*Hylocichla mustelina*
	134	American Robin	*Turdus migratorius*
Old World Sparrows - 1 species	135	House Sparrow	*Passer domesticus*
Wagtails & Pipits - 1 species	136	American Pipit	*Anthus rubescens*
Cardueline Finches & Allies - 4 species	137	House Finch	*Haemorhous mexicanus*
	138	Purple Finch	*Haemorhous purpureus*
	139	Pine Siskin	*Spinus pinus*
	140	American Goldfinch	*Spinus tristis*
New World Sparrows & Allies - 12 species	141	Grasshopper Sparrow	*Ammodramus savannarum*
	142	Chipping Sparrow	*Spizella passerina*
	143	Field Sparrow	*Spizella pusilla*
	144	Fox Sparrow	*Passerella iliaca*
	145	Dark-eyed Junco	*Junco hyemalis*
	146	White-crowned Sparrow	*Zonotrichia leucophrys*
	147	White-throated Sparrow	*Zonotrichia albicollis*
	148	LeConte's Sparrow	*Ammospiza leconteii*
	149	Savannah Sparrow	*Passerculus sandwichensis*
	150	Song Sparrow	*Melospiza melodia*
	151	Swamp Sparrow	*Melospiza georgiana*
	152	Eastern Towhee	*Pipilo erythrophthalmus*
Blackbirds & Orioles - 6 species	153	Eastern Meadowlark	*Sturnella magna*
	154	Orchard Oriole	*Icterus spurius*
	155	Baltimore Oriole	*Icterus galbula*
	156	Red-winged Blackbird	*Agelaius phoeniceus*
	157	Brown-headed Cowbird	*Molothrus ater*
	158	Common Grackle	*Quiscalus quiscula*
Wood-Warblers - 27 species	159	Ovenbird	*Seiurus aurocapilla*
	160	Worm-eating Warbler	*Helmitheros vermivorum*
	161	Louisiana Waterthrush	*Parkesia motacilla*
	162	Northern Waterthrush	*Parkesia noveboracensis*
	163	Black-and-white Warbler	*Mniotilta varia*
	164	Prothonotary Warbler	*Protonotaria citrea*
	165	Swainson's Warbler	*Limnothlypis swainsonii*
	166	Orange-crowned Warbler	*Leiothlypis celata*
	167	Connecticut Warbler	*Oporornis agilis*
	168	Kentucky Warbler	*Geothlypis formosa*

	169	Common Yellowthroat	*Geothlypis trichas*
	170	Hooded Warbler	*Setophaga citrina*
	171	American Redstart	*Setophaga ruticilla*
	172	Cape May Warbler	*Setophaga tigrina*
	173	Northern Parula	*Setophaga americana*
	174	Bay-breasted Warbler	*Setophaga castanea*
	175	Blackburnian Warbler	*Setophaga fusca*
	176	Yellow Warbler	*Setophaga petechia*
	177	Chestnut-sided Warbler	*Setophaga pensylvanica*
	178	Blackpoll Warbler	*Setophaga striata*
	179	Black-throated Blue Warbler	*Setophaga caerulescens*
	180	Palm Warbler	*Setophaga palmarum*
	181	Pine Warbler	*Setophaga pinus*
	182	Yellow-rumped Warbler	*Setophaga coronata*
	183	Yellow-throated Warbler	*Setophaga dominica*
	184	Prairie Warbler	*Setophaga discolor*
	185	Wilson's Warbler	*Cardellina pusilla*
Cardinals, Grosbeaks, & Allies - 5 species	186	Summer Tanager	*Piranga rubra*
	187	Scarlet Tanager	*Piranga olivacea*
	188	Northern Cardinal	*Cardinalis cardinalis*
	189	Blue Grosbeak	*Passerina caerulea*
	190	Indigo Bunting	*Passerina cyanea*

ATTACHMENT 2

USFWS ENDANGERED SPECIES, THREATENED SPECIES, FEDERAL SPECIES OF CONCERN AND CANDIDATE SPECIES LIST

U.S. Fish & Wildlife Service

ECOS

ECOS / Species Reports / Listed species with spatial current range believed to or known to occur in NC

Listed species with spatial current range believed to or known to occur in North Carolina

Notes:

- This report includes species only if they have a **Spatial Current Range** in ECOS.
- **As of 02/13/2015 the data in this report has been updated to use a different set of information.** Results are based on where the species is believed to or known to occur. The FWS feels utilizing this data set is a better representation of species occurrence. Note: there may be other federally listed species that are not currently known or expected to occur in this state but are covered by the ESA wherever they are found; Thus if new surveys detected them in this state they are still covered by the ESA. The FWS is using the best information available on this date to generate this list.
- This report shows listed species or populations believed to or known to occur in NC
- This list does not include experimental populations and similarity of appearance listings.
- Click on the highlighted scientific names below to view a Species Profile.

Listed Species

Sort by group: ☑

CSV

Show All entries Search:

68 Species Listings

Scientific Name	Common Name	Where Listed	Region	ESA Listing Status
Amphibians				
Necturus lewisi	Neuse River waterdog	Wherever found	4	Threatened
Arachnids				

Scientific Name	Common Name	Where Listed	Region	ESA Listing Status
Microhexura montivaga	Spruce-fir moss spider	Wherever found	4	Endangered
Birds				
Laterallus jamaicensis ssp. jamaicensis	Eastern Black rail	Wherever found	4	Threatened
Charadrius melodus	Piping Plover	[Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered.	5	Threatened
Calidris canutus rufa	rufa red knot	Wherever found	5	Threatened
Mycteria americana	Wood stork	AL, FL, GA, MS, NC, SC	4	Threatened
Grus americana	Whooping crane	U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY)	2	Experimental Population, Non-Essential
Picoides borealis	Red-cockaded woodpecker	Wherever found	4	Endangered
Sterna dougallii dougallii	Roseate tern	Northeast U.S. nesting population	5	Endangered

Scientific Name	Common Name	Where Listed	Region	ESA Listing Status
Clams				
Fusconaia masoni	Atlantic pigtoe	Wherever found	4	Threatened
Fusconaia subrotunda	Longsolid	Wherever found	4	Threatened
Elliptio lanceolata	Yellow lance	Wherever found	4	Threatened
Alasmidonta raveneliana	Appalachian elktoe	Wherever found	4	Endangered
Lasmigona decorata	Carolina heelsplitter	Wherever found	4	Endangered
Alasmidonta heterodon	Dwarf wedgemussel	Wherever found	5	Endangered
Parvaspina collina	James spinymussel	Wherever found	5	Endangered
Villosa perpurpurea	Purple bean	Wherever found	5	Endangered
Parvaspina steinstansana	Tar River spinymussel	Wherever found	4	Endangered
Fishes				
Erimonax monachus	Spotfin Chub	Wherever found, except where listed as an experimental population	4	Threatened
Menidia extensa	Waccamaw silverside	Wherever found	4	Threatened
Notropis mekistocholas	Cape Fear shiner	Wherever found	4	Endangered

Scientific Name	Common Name	Where Listed	Region	ESA Listing Status
Noturus furiosus	Carolina madtom	Wherever found	4	Endangered
Percina rex	Roanoke logperch	Wherever found	5	Endangered
Flowering Plants				
Solidago spithamaea	Blue Ridge goldenrod	Wherever found	4	Threatened
Hexastylis naniflora	Dwarf-flowered heartleaf	Wherever found	4	Threatened
Liatris helleri	Heller's blazingstar	Wherever found	4	Threatened
Hudsonia montana	Mountain golden heather	Wherever found	4	Threatened
Amaranthus pumilus	Seabeach amaranth	Wherever found	4	Threatened
Aeschynomene virginica	Sensitive joint-vetch	Wherever found	5	Threatened
Isotria medeoloides	Small whorled pogonia		5	Threatened
Echinacea laevigata	Smooth coneflower	Wherever found	4	Threatened
Helonias bullata	Swamp pink		5	Threatened
Spiraea virginiana	Virginia spiraea	Wherever found	5	Threatened
Schwalbea americana	American chaffseed	Wherever found	4	Endangered

Scientific Name	Common Name	Where Listed	Region	ESA Listing Status
Sagittaria fasciculata	Bunched arrowhead	Wherever found	4	Endangered
Oxypolis canbyi	Canby's dropwort	Wherever found	4	Endangered
Thalictrum cooleyi	Cooley's meadowrue	Wherever found	4	Endangered
Carex lutea	Golden sedge	Wherever found	4	Endangered
Sarracenia oreophila	Green Pitcher Plant	Wherever found	4	Endangered
Ptilimnium nodosum	Harperella	Wherever found	5	Endangered
Rhus michauxii	Michaux's sumac	Wherever found	4	Endangered
Sarracenia rubra ssp. jonesii	Mountain sweet pitcher-plant	Wherever found	4	Endangered
Lindera melissifolia	Pondberry	Wherever found	4	Endangered
Hedyotis purpurea var. montana	Roan Mountain bluet	Wherever found	4	Endangered
Lysimachia asperulaefolia	Rough-leaved loosestrife	Wherever found	4	Endangered
Helianthus schweinitzii	Schweinitz's sunflower	Wherever found	4	Endangered
Cardamine micranthera	Small-anthered bittercress	Wherever found	4	Endangered

Scientific Name	Common Name	Where Listed	Region	ESA Listing Status
Geum radiatum	Spreading avens	Wherever found	4	Endangered
Sisyrinchium dichotomum	White irisette	Wherever found	4	Endangered
Insects				
Neonympha mitchellii francisci	Saint Francis' satyr butterfly	Wherever found	4	Endangered
Lichens				
Gymnoderma lineare	Rock gnome lichen	Wherever found	4	Endangered
Mammals				
Trichechus manatus	West Indian Manatee	Wherever found	4	Threatened
Canis rufus	Red wolf	U.S.A. (portions of NC and TN)	4	Experimental Population, Non-Essential
Glaucomys sabrinus coloratus	Carolina northern flying squirrel	Wherever found	4	Endangered
Myotis grisescens	Gray bat	Wherever found	3	Endangered
Myotis sodalis	Indiana bat	Wherever found	3	Endangered
Myotis septentrionalis	Northern Long-Eared Bat	Wherever found	3	Endangered

Scientific Name	Common Name	Where Listed	Region ℹ	ESA Listing Status ℹ
Canis rufus	Red wolf	Wherever found, except where listed as an experimental population	4	Endangered
Corynorhinus (=Plecotus) townsendii virginianus	Virginia big-eared bat	Wherever found	5	Endangered
Reptiles				
Chelonia mydas	Green sea turtle	North Atlantic DPS	4	Threatened
Caretta caretta	Loggerhead sea turtle	Northwest Atlantic Ocean DPS	4	Threatened
Alligator mississippiensis	American alligator	Wherever found	4	Similarity of Appearance (Threatened)
Glyptemys muhlenbergii	bog turtle	U.S.A. (GA, NC, SC, TN, VA)	4	Similarity of Appearance (Threatened)
Eretmochelys imbricata	Hawksbill sea turtle	Wherever found	4	Endangered
Lepidochelys kempii	Kemp's ridley sea turtle	Wherever found	2	Endangered
Dermochelys coriacea	Leatherback sea turtle	Wherever found	4	Endangered
Snails				
Mesodon clarki nantahala	noonday snail	Wherever found	4	Threatened

Scientific Name	Common Name	Where Listed	Region	ESA Listing Status
Planorbella magnifica	Magnificent ramshorn	Wherever found	4	Endangered

Showing 1 to 68 of 68 entries

Previous 1 Next

ATTACHMENT 3

NORTH CAROLINA NATURAL HERITAGE PROGRAM SPECIES LIST

Taxonomic Group	Scientific Name	Common Name	NC Status	Federal Status	State Rank	Global Rank	County	County Status	Habitat Comment
Freshwater Bivalve	Alasmidonta heterodon	Dwarf Wedgemussel	E	E	S1	G2?	Nash	Current	Tar and Neuse drainages, mainly near Fall Line
Freshwater Bivalve	Alasmidonta undulata	Triangle Floater	T	none	S3	G4	Nash	Current	Roanoke, Chowan, Tar, Neuse, Cape Fear drainages
Freshwater Fish	Ambloplites cavifrons	Roanoke Bass	SR	none	S2	G3	Nash	Current	streams in Neuse and Tar systems
Bird	Ammodramus savannarum	Grasshopper Sparrow	W1,W5	none	S3B,S1N	G5	Nash	Current	pastures and other grasslands [breeding season only]
Vascular Plant	Andropogon virginicus var. decipiens	Deceptive Bluestem	W7	none	S1S2	G5T4	Nash	Historical	pinelands and disturbed areas
Mayfly	Baetisca becki	a mayfly	SR	none	S1	G2G3	Nash	Current	sand-bottomed streams
Sawfly, Wasp, Bee, or Ant	Bombus pensylvanicus	American Bumble Bee	W3	none	S3S4	G3G4	Nash	Current	open habitats, fields
Natural Community	Brownwater Levee Forest (Low Levee Subtype)			none	S3S4	G3G4	Nash	Current	null
Vascular Plant	Calamovilfa brevipilis	Pinebarren Sandreed	W1	none	S3	G4	Nash	Current	savannas, sandhill seeps
Vascular Plant	Carex bushii	Bush's Sedge	SR-P	none	S1	G5	Nash	Historical	Upland depression
Vascular Plant	Carex emmonsii	Emmons's Sedge	SR-O	none	S2	G5T5	Nash	Current	moist woods and stream banks
Reptile	Cemophora coccinea	Scarlet Snake	W1,W5	none	S3	G5	Nash	Current	sandhills, sandy woods, and other dry woods
Reptile	Clemmys guttata	Spotted Turtle	W1	none	S4	G5	Nash	Current	shallow water of pools, marshes, wet pastures and other smaller wetlands
Natural Community	Coastal Plain Small Stream Swamp			none	S4	G4?	Nash	Current	null
Mammal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	SC	none	S3	G3G4T3	Nash	Current	roosts in hollow trees, old buildings, and beneath bridges, usually near water
Natural Community	Cypress--Gum Swamp (Brownwater Subtype)			none	S4	G5?	Nash	Current	null
Vascular Plant	Diamorpha smallii	Elf Orpine	W1	none	S3	G4	Nash	Historical	granite flatrocks
Vascular Plant	Didiplis diandra	Water Purslane	SR-P	none	S1	G3G4	Nash	Current	sluggish streams and ponds
Bird	Dryobates borealis	Red-cockaded Woodpecker	E	E	S2	G3	Nash	Historical	mature open pine forests, mainly in longleaf pine [breeding evidence only]
Vascular Plant	Eleocharis microcarpa var. filiculmis (syn. Eleocharis microcarpa)	Small-fruited Spike-rush		none	S5	G5TNR	Nash	Historical	bogs, wet pine savannas and ditches
Freshwater Bivalve	Elliptio cistellaeformis	Box Spike	W3,W5	none	SU	G4	Nash	Current	Neuse, Lumber, Pee Dee drainages; Lake Waccamaw
Freshwater Bivalve	Elliptio congaraea (syn. Elliptio waccamawensis)	Carolina Slabshell	W2,W5	none	S3	G3	Nash	Current	drainages north to the White Oak drainage
Freshwater Bivalve	Elliptio fisheriana	Northern Lance	SR	none	S3	G4	Nash	Current	Atlantic Slope drainages
Freshwater Bivalve	Elliptio lanceolata	Yellow Lance	T	T	S2	G2	Nash	Current	Tar and Neuse drainages
Freshwater Bivalve	Elliptio producta	Atlantic Spike	W3,W5	none	SU	G3	Nash	Current	many Atlantic drainages; very difficult to identify
Freshwater Bivalve	Elliptio roanokensis	Roanoke Slabshell	SC	none	S3	G3	Nash	Current	Roanoke, Tar, Neuse, White Oak, Cape Fear, Lumber, and Yadkin-Pee Dee drainages
Freshwater Fish	Enneacanthus chaetodon	Blackbanded Sunfish	SR	none	S3	G3G4	Nash	Historical	many drainages, particularly Lumber and Waccamaw
Freshwater Fish	Enneacanthus obesus	Banded Sunfish	SR	none	S3	G5	Nash	Current	most Atlantic drainages
Vascular Plant	Eryngium integrifolium	Blue-flower Coyote-thistle		none	S4	G5	Nash	Historical	Wet pinelands, meadows and savannas
Freshwater Fish	Etheostoma collis	Carolina Darter	SC	none	S3	G3	Nash	Historical	Roanoke, Tar, Neuse, Cape Fear, Yadkin-Pee Dee, and Catawba drainages
Freshwater Fish	Etheostoma flabellare	Fantail Darter	W5	none	S3	G5	Nash	Current	Cape Fear, Neuse, and Tar drainage populations have limited distribution; Pee Dee, Roanoke, New, and French Broad populations stable
Freshwater Fish	Etheostoma vitreum	Glassy Darter	W5	none	S3	G4G5	Nash	Current	Chowan, Roanoke, Tar, and Neuse drainages
Amphibian	Eurycea quadridigitata	Dwarf Salamander	SC	none	S1	G5	Nash	Historical	pocosins, Carolina bays, pine flatwoods, savannas, and other wetland habitats
Crustacean	Faxonius carolinensis	North Carolina Spiny Crayfish	SC	none	S3	G3	Nash	Current	rivers and streams in the Chowan, Roanoke, Neuse, and Tar drainages
Moss	Fontinalis sullivantii	A Water Moss	W7	none	S2S3	G3G5	Nash	Current	rocks or trees in pools or streams
Moss	Funaria serrata	A Cord Moss	W7	none	SH	G4	Nash	Historical	on soil of disturbed places, near streams or ditches

Taxonomic Group	Scientific Name	Common Name	NC Status	Federal Status	State Rank	Global Rank	County	County Status	Habitat Comment
Freshwater Bivalve	Fusconaia masoni	Atlantic Pigtoe	T	T	S3	G1	Nash	Current	Roanoke, Tar, Neuse, Cape Fear, Yadkin-Pee Dee drainages
Dragonfly or Damselfly	Gomphurus septima	Septima's Clubtail	SR	none	S3	G3	Nash	Current	rocky rivers
Bird	Haliaeetus leucocephalus	Bald Eagle	T	BGPA	S3B,S3N	G5	Nash	Current	mature forests near large bodies of water (nesting); rivers, lakes, and sounds (foraging) [breeding evidence only]
Amphibian	Hemidactylium scutatum	Four-toed Salamander	SC	none	S3	G5	Nash	Current	pools, bogs, and other wetlands in hardwood forests
Vascular Plant	Hexastylis lewisii	Lewis's Heartleaf	W1	none	S3	G3	Nash	Current	mesic mixed hardwood forests, streamhead pocosin ecotones
Vascular Plant	Ilex longipes	Georgia Holly	SR-P	none	S1S2	G4	Nash	Historical	upland forests and woodlands
Vascular Plant	Juncus brachycarpus	Whiteroot Rush	W7	none	S2?	G4G5	Nash	Historical	wet sandy soil
Freshwater Bivalve	Lampsilis cariosa	Yellow Lampmussel	E	none	S3	G3G4	Nash	Current	Chowan, Roanoke, Neuse, Tar, Cape Fear, Lumber, Yadkin-Pee Dee drainages
Freshwater Bivalve	Lampsilis radiata	Eastern Lampmussel	T	none	S3	G5	Nash	Current	Chowan, Roanoke, Tar, Neuse, Cape Fear, Yadkin-Pee Dee drainages
Freshwater Bivalve	Lampsilis sp. 2	Chameleon Lampmussel	SR	none	S2	G2	Nash	Historical	Tar, Neuse, Cape Fear, and Yadkin-Pee Dee drainages
Bird	Lanius ludovicianus	Loggerhead Shrike	SC, W2	none	S2S3B,S3N	G4	Nash	Current	fields and pastures [breeding season only]
Freshwater Bivalve	Lasmigona subviridis	Green Floater	E	PT	S2	G2G3	Nash	Current	New, Watauga, Roanoke, Tar, Neuse and Yadkin-Pee Dee drainages
Freshwater Bivalve	Leptodea ochracea	Tidewater Mucket	T	none	S2	G3G4	Nash	Current	Chowan, Roanoke, and Tar drainages, and abundant in Lake Waccamaw
Freshwater Bivalve	Ligumia nasuta	Eastern Pondmussel	T	none	S2	G3	Nash	Historical	Chowan, Roanoke, Neuse, Tar, Cape Fear, and Yadkin-Pee Dee drainages
Vascular Plant	Lilium pyrophilum	Sandhills Lily	E	none	S2	G2	Nash	Historical	streamhead pocosin ecotones and openings
Vascular Plant	Lindernia monticola	Flatrock Pimpernel	W1	none	S2	GNR	Nash	Historical	seepages on granitic flatrocks and other rock outcrops
Freshwater or Terrestrial Gastropod	Lioplax subcarinata	Ridged Lioplax	SC	none	S3	G4G5	Nash	Current	streams and rivers, well documented in Lake Waccamaw, possibly in decline there
Freshwater Fish	Lythrurus matutinus	Pinewoods Shiner	W5	none	S3	G3G4	Nash	Current	Tar and Neuse drainages (endemic to North Carolina)
Mayfly	Macdunnoa brunnea	a mayfly	SR	none	S2	G3G4	Nash	Historical	French Broad River, Mills River, Hunting Creek, Leepers Creek, Yadkin River, Swift Creek
Natural Community	Mesic Mixed Hardwood Forest (Piedmont Subtype)			none	S4	G3G4	Nash	Current	null
Mammal	Myotis austroriparius	Southeastern Bat	SC	none	S2	G4	Nash	Current	roosts in buildings, hollow trees; forages near water; mainly in the Coastal Plain
Mammal	Myotis lucifugus	Little Brown Bat	E	none	S2	G3G4	Nash	Current	roosts in buildings (summer), in caves and mines (winter)
Amphibian	Necturus lewisi	Neuse River Waterdog	T	T	S2	G2	Nash	Current	rivers and large streams in Neuse and Tar drainages (endemic to North Carolina)
Mammal	Neogale frenata (syn. Mustela frenata)	Long-tailed Weasel	W3	none	S3	G5	Nash	Current	forests, brushy areas
Vascular Plant	Neottia bifolia	Southern Twayblade	W1	none	S3	G4	Nash	Current	moist hardwood forest, swamps, wet woods with acidic soils
Dragonfly or Damselfly	Neurocordulia virginiensis	Cinnamon Shadowdragon	W3	none	S2?	G4	Nash	Current	large rivers
Freshwater Fish	Notropis chalybaeus	Ironcolor Shiner	T	none	S2S3	G4	Nash	Historical	coastal plain rivers and creeks
Freshwater Fish	Notropis volucellus	Mimic Shiner	T	none	S2	G5	Nash	Historical	New, French Broad, Little Tennessee, Tar, and Neuse drainages
Freshwater Fish	Noturus furiosus	Carolina Madtom	E	E	S2	G2	Nash	Current	Tar and Neuse drainages (endemic to North Carolina)
Vascular Plant	Nuphar sagittifolia	Cape Fear Spatterdock	W1	none	S3	G5T2	Nash	Historical	blackwater streams, rivers, and lakes
Vascular Plant	Packera paupercula var. paupercula	Balsam Ragwort	SC-V	none	S1?	G5TNR	Nash	Historical	fens, bogs, and diabase glades

Taxonomic Group	Scientific Name	Common Name	NC Status	Federal Status	State Rank	Global Rank	County	County Status	Habitat Comment
Vascular Plant	Parthenium integrifolium var. mabryanum	Mabry's Wild Quinine	W1	none	S3	G5T3	Nash	Historical	savannas, pocosin edges, upland pine-oak woods
Freshwater Bivalve	Parvaspina steinstansana	Tar River Spinymussel	E	E	S1	G1	Nash	Current	Tar drainage, very rare in Neuse drainage (endemic to North Carolina)
Mammal	Perimyotis subflavus	Tricolored Bat	E	PE	S3	G3G4	Nash	Current	roosts in clumps of leaves (mainly in summer), caves, rock crevices, and other dark and sheltered places
Natural Community	Piedmont Alluvial Forest			none	S4	G4	Nash	Current	null
Natural Community	Piedmont Bottomland Forest (High Subtype)			none	S2	G3G4	Nash	Current	null
Natural Community	Piedmont Bottomland Forest (Typic Low Subtype)			none	S2	G2?	Nash	Current	null
Natural Community	Piedmont Levee Forest (Beech Subtype)			none	S2	G3?	Nash	Current	null
Natural Community	Piedmont Levee Forest (Typic Subtype)			none	S3S4	G3G4	Nash	Current	null
Natural Community	Piedmont Swamp Forest			none	S2	G3G4	Nash	Current	null
Natural Community	Piedmont/Coastal Plain Heath Bluff			none	S3	G3	Nash	Current	null
Natural Community	Piedmont/Mountain Semipermanent Impoundment (Open Water Subtype)			none	S4	G4G5	Nash	Current	null
Natural Community	Piedmont/Mountain Semipermanent Impoundment (Shrub Subtype)			none	S4	G4	Nash	Current	null
Vascular Plant	Quercus bicolor	Swamp White Oak	W1	none	S2	G5	Nash	Historical	upland swamp forests
Vascular Plant	Rhododendron catawbiense	Catawba Rhododendron		none	S5	G5	Nash	Historical	rocky slopes, ridges and balds, usually over 3000 ft.
Vascular Plant	Rhus michauxii	Michaux's Sumac	E	E	S2	G2G3	Nash	Current	sandhills, sandy forests, woodland, woodland edges
Vascular Plant	Rhynchospora pallida	Pale Beaksedge	W1	none	S3	G3	Nash	Historical	savannas, sandhill seeps, and pocosins
Vascular Plant	Smilax laurifolia	Laurel-leaf Greenbrier		none	S5	G5	Nash	Historical	bays, pocosins, bogs, and swamp forests
Dragonfly or Damselfly	Somatochlora georgiana	Coppery Emerald	SR	none	S1?	G3G4	Nash	Historical	creeks and other slow-moving acidic streams, in forested areas
Butterfly	Speyeria diana	Diana Fritillary	W2	none	S3S4	G2G3	Nash	Historical	montane and foothill forest edges and openings; host plants -- violets (Viola)
Freshwater Bivalve	Strophitus undulatus	Creeper	T	none	S3	G5	Nash	Current	Roanoke, Tar, Neuse, Cape Fear, Yadkin-Pee Dee, Catawba, Broad, and French Broad drainages
Dragonfly or Damselfly	Stylurus laurae	Laura's Clubtail	W1	none	S2S3	G4	Nash	Historical	medium-size streams with clean sandy substrate
Vascular Plant	Thalictrum macrostylum	Small-leaved Meadowrue	SC-V	none	S2	G3G4	Nash	Current	bogs and wet woods
Vascular Plant	Trillium pusillum var. 4	Carolina Least Trillium	SR-T	none	S1	G4TNR	Nash	Current	swampy forests, bottomland forests along small streams
Freshwater Bivalve	Villosa constricta	Notched Rainbow	T	none	S3	G3	Nash	Current	Roanoke, Tar, Neuse, Yadkin-Pee Dee, and Catawba drainages
Reptile	Virginia valeriae	Smooth Earthsnake	W2	none	S3	G5	Nash	Current	deciduous or mixed woods, usually in mesic soils
Animal Assemblage	Waterbird Colony	Waterbird Colony		none	S3	GNR	Nash	Current	null

APPENDIX C

NOTICE OF DRY-CLEANING SOLVENT REMEDIATION

NOTICE OF DRY-CLEANING SOLVENT REMEDIATION

Property Owner: Pickup Pennies, 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 Pickup Pennies, 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 1691 Northern Boulevard, Rocky Mount, Nash County, North Carolina, Parcel Identification Number (PIN) 385109159345.

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.

Groundwater at the Property is contaminated with dry-cleaning solvents associated with dry-cleaning operations at the former One Hour Koretizing (DSCA Site DC640006) located at 1691 Northern Boulevard, Rocky Mount. Dry-cleaning operations were conducted on the Property from approximately 1998 to 2021.

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. The Property shall be used exclusively for non-residential land use pursuant to North Carolina Administrative Code (NCAC) 15A NCAC 02S.0102(21) and related amenities (parking, landscape areas and walkways), and all other uses of the Property are prohibited except as approved in writing by DEQ.

2. Without prior written approval from DEQ, the Property shall not be used for:
    a. childcare centers, elementary, middle, or high schools; or elder care facilities. Exceptions to this restriction include use of the property for technical or adult education institutions; technical training centers; or tutorial institutions.
    b. mining or extraction of coal, oil, gas or any mineral or non-mineral substances.

3. 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.

4. 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.

5. 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.

6. 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.

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___.

Pickup Pennies, 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 Pickup Pennies, 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: _____ _____
William F. Hunneke Date
Chief, Superfund Section
Division of Waste Management

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 Nash County

By: _____ _____
(signature) Date

Name typed or printed: _____

Deputy/Assistant Register of Deeds

EXHIBIT A
REDUCTION OF SURVEY PLAT

NCGS 47-30 (g) CERTIFICATE

I, E. MATTHEW CASH, CERTIFY THAT THIS PLAT WAS DRAWN BY ME FROM AN ACTUAL SURVEY PERFORMED BY ME; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN THE REFERENCES SHOWN HEREON; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:72,013; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH NCGS 47-30 AS AMENDED.

21 NCAC 56.1607 GPS SURVEY CERTIFICATE

I, E. MATTHEW CASH, CERTIFY THAT THIS MAP WAS DRAWN BY ME FROM AN ACTUAL GPS SURVEY PERFORMED BY ME AND THE FOLLOWING INFORMATION WAS USED TO PERFORM THE SURVEY:

1. CLASS OF SURVEY: A
2. POSITIONAL ACCURACY: 0.06'
3. TYPE OF GPS FIELD PROCEDURE: NETWORK RTK
4. DATE OF SURVEY: JULY 23, 2024
5. DATUM/EPOCH: NAD 83 (2001)
6. PUBLISHED/FIXED-CONTROL USE: EY1140 + EY2945
7. GEOID MODEL: 18
8. COMBINED GRID FACTOR: 0.99995395
9. UNITS: US SURVEY FOOT

NCGS 47-30 (f)(11) CERTIFICATE

I, E. MATTHEW CASH, HEREBY CERTIFY THAT:

C.1. THAT THE SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND OR ONE OR MORE EXISTING EASEMENTS AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET. FOR THE PURPOSES OF THIS SUBSECTION, AN "EXISTING PARCEL" OR "EXISTING EASEMENT" IS AN AREA OF LAND DESCRIBED IN A SINGLE, LEGAL DESCRIPTION OR LEGALLY RECORDED SUBDIVISION THAT HAS BEEN OR MAY BE LEGALLY CONVEYED TO A NEW OWNER BY DEED IN ITS EXISTING CONFIGURATION.

WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 8th DAY OF MAY 2025

E. MATTHEW CASH, PLS L-5045

NORTH CAROLINA PROFESSIONAL SEAL L-5045 LAND SURVEYOR E. MATTHEW CASH 5/8/2025

GENERAL NOTES

1. BEARINGS FOR THIS SURVEY ARE BASED ON NC GRID NAD 83 (2001).
2. AREAS COMPUTED BY THE COORDINATE METHOD.
3. COORDINATES SHOWN ON THIS PLAT ARE NC STATE PLANE GRID COORDINATES.
4. DISTANCES SHOWN ON THE MAP ARE HORIZONTAL GROUND DISTANCES UNLESS NOTED OTHERWISE.
5. SITE BENCHMARKS ARE THE TACK IN THE 1" IRON PIPE FOUND AT THE SOUTHWEST CORNER OF THE PROPERTY AND NCGS "PILOT".
6. EXISTING CORNERS MEASURED TO THE OUTSIDE DIAMETER.
7. PROPERTY OWNER INFORMATION OBTAINED FROM NASH COUNTY GEOGRAPHIC INFORMATION SYSTEM.
8. THE SUBJECT PROPERTY IS SUBJECT TO ALL RIGHTS OF WAY, EASEMENTS, COVENANTS, RESTRICTIONS, AND APPURTENANCES OF RECORD.
9. THE SUBJECT PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA PER FEMA F.I.R.M. MAP NO. 3720385I00K, DATED JUNE 18, 2013.
10. THE AREAS AND TYPE OF CONTAMINATION DEPICTED UPON THE MAP ARE APPROXIMATIONS DERIVED FROM THE BEST AVAILABLE INFORMATION AT THE TIME OF FILING.
11. SOIL BORING LOCATIONS SHOWN HEREON WERE NOT A PART OF THE FIELD SURVEY. THEY WERE PROVIDED BY ATC ASSOCIATES OF NORTH CAROLINA, P.C. IN A MAP TITLED "FIGURE IG SOIL ANALYTICAL MAP" DATED 6/23. NO SPATIAL RELATIONSHIP CAN BE MADE BETWEEN THE SOIL BORING LOCATIONS AND THE OTHER FEATURES SHOWN HEREON.
12. THERE IS AN OVERLAP BETWEEN DB 3149 PG 665 (THE SUBJECT PROPERTY) AND DB 2256 PG 418 (THE SOUTHWEST ADJOINING PROPERTY). THE SUBJECT PROPERTY DEED REFERENCES PB 24 PG 275, AND ON SUCH THE BEARINGS AND DISTANCES FOR THE BOUNDARY LINES GO TO THE POINT OF INTERSECTION AT THE STREET CORNER. THE SOUTHWEST ADJOINING PROPERTY DEED CALLS FOR AN ARC AT THE STREET CORNER. SEE NOTE 18 ON PB 24 PG 275.

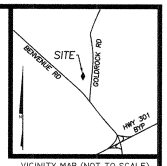
DEED STATEMENT

N.C.G.S. 143-215.104M(D) REQUIRES THAT WHEN PROPERTY FOR WHICH A NOTICE OF DRY-CLEANING SOLVENT REMEDIATION HAS BEEN FILED 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, A STATEMENT THAT THE PROPERTY HAS BEEN CONTAMINATED WITH DRY-CLEANING SOLVENT AND, IF APPROPRIATE, CLEANED UP UNDER THIS PART. USE THE FOLLOWING STATEMENT TO SATISFY N.C.G.S. 143-215.104M(D):

THIS PROPERTY HAS BEEN CONTAMINATED WITH DRY-CLEANING SOLVENT. A NOTICE OF DRY-CLEANING SOLVENT REMEDIATION IS RECORDED IN THE NASH COUNTY REGISTER OF DEED'S OFFICE AT

DEED BOOK: _____ PAGE: _____

QUESTIONS CONCERNING THIS MATTER MAY BE DIRECTED TO THE NORTH CAROLINA DIVISION OF WASTE MANAGEMENT, SUPERFUND SECTION, DRY-CLEANING SOLVENT CLEANUP ACT (DSCA) PROGRAM, OR ITS SUCCESSOR IN FUNCTION. 1646 MAIL SERVICE CENTER, RALEIGH, NC 27699-1646.



VICINITY MAP (NOT TO SCALE)

CONTAMINANT STATEMENT

GROUNDWATER IN WELL MW-1 EXCEEDED THE APPLICABLE 2L WATER QUALITY STANDARDS (15A NCAC 2L.0200) FOR ONE OR MORE OF THE FOLLOWING CONTAMINANTS: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, CIS-1,2-DICHLOROETHYLENE, VINYL CHLORIDE

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: _____

DEQ ACKNOWLEDGEMENT

APPROVED FOR THE PURPOSES OF N.C.G.S. 143-215.104M.

_____
WILLIAM F. HUNNEKE
CHIEF, SUPERFUND SECTION
DIVISION OF WASTE MANAGEMENT

_____ STATE
_____ COUNTY

I, _____, A NOTARY PUBLIC OF SAID COUNTY AND STATE, DO HEREBY CERTIFY THAT

_____ DID PERSONALLY APPEAR AND SIGN BEFORE ME THIS THE ____ DAY OF _____, 2025

_____
NOTARY PUBLIC (SIGNATURE) (OFFICIAL SEAL)

MY COMMISSION EXPIRES: _____

OWNER ACKNOWLEDGEMENT

I ACKNOWLEDGE THAT I HAVE FULL AUTHORITY TO LEGALLY EXECUTE A DEED FOR THIS PROPERTY.

_____
SIGNATURE DATE

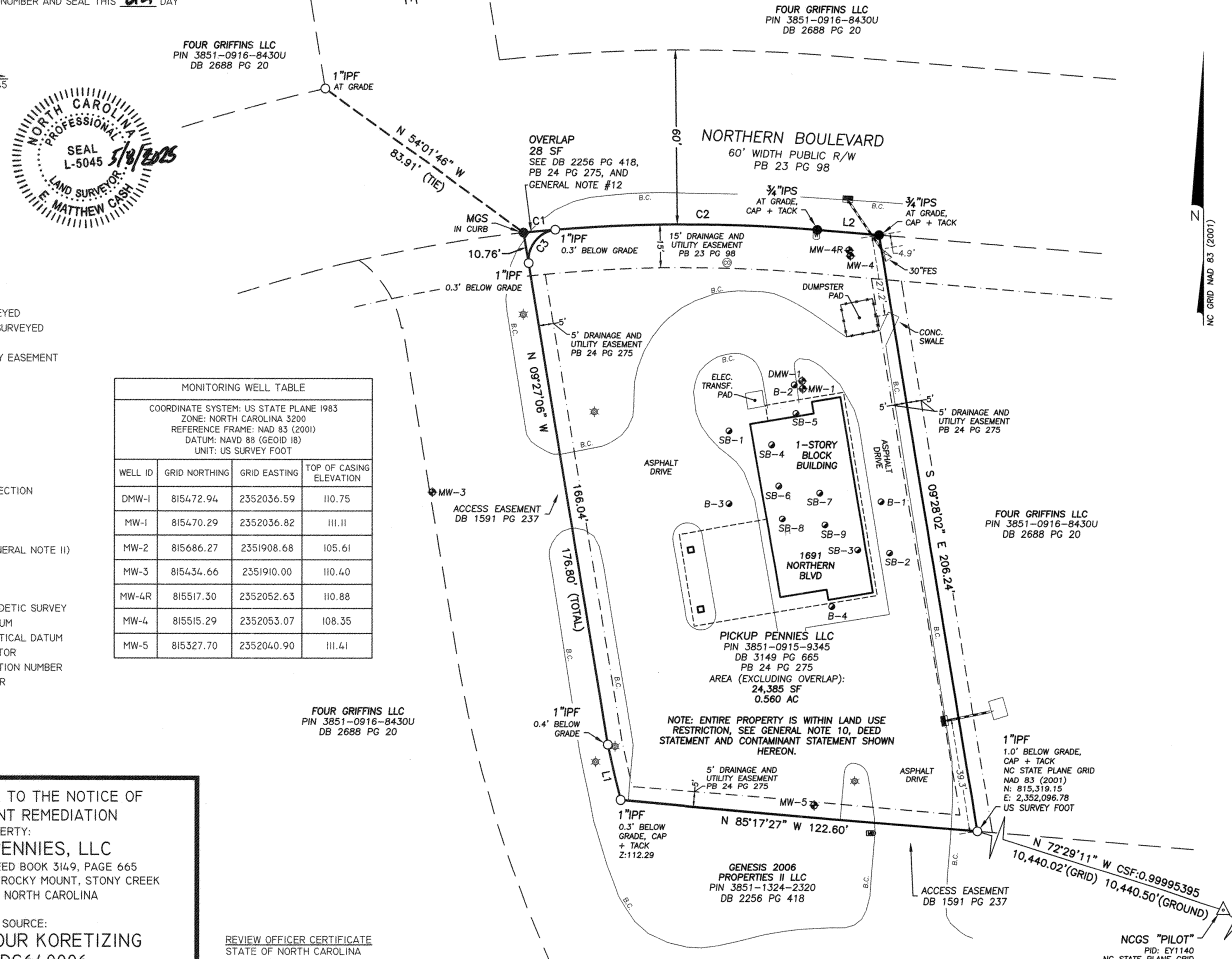
_____ STATE
_____ COUNTY

I, _____, A NOTARY PUBLIC OF SAID COUNTY AND STATE, DO HEREBY CERTIFY THAT

_____ DID PERSONALLY APPEAR AND SIGN BEFORE ME THIS THE ____ DAY OF _____, 2025

_____
NOTARY PUBLIC (SIGNATURE) (OFFICIAL SEAL)

MY COMMISSION EXPIRES: _____



FOUR GRIFFINS LLC
PIN 3851-0916-8430U
DB 2688 PG 20

FOUR GRIFFINS LLC
PIN 3851-0916-8430U
DB 2688 PG 20

FOUR GRIFFINS LLC
PIN 3851-0916-8430U
DB 2688 PG 20

LEGEND

- BOUNDARY LINE SURVEYED
- BOUNDARY LINE NOT SURVEYED
- TIE LINE
- DRAINAGE AND UTILITY EASEMENT
- STORM SEWER
- BUILDING OVERHANG
- 6' CHAIN LINK FENCE
- B.C. BACK OF CURB
- IPF IRON PIPE FOUND
- IPS IRON PIPE SET
- MGS MAG NAIL SET
- STORM CATCH BASIN
- STORM FLARED END SECTION
- WATER METER
- SEWER CLEANOUT
- MONITORING WELL
- SOIL BORING (SEE GENERAL NOTE 11)
- LIGHT POLE
- MAILBOX
- GEODETIC MONUMENT
- NCGS NORTH CAROLINA GEODETIC SURVEY
- NAD NORTH AMERICAN DATUM
- NAVD NORTH AMERICAN VERTICAL DATUM
- CSF COMBINED SCALE FACTOR
- PIN PROPERTY IDENTIFICATION NUMBER
- PID PERMANENT IDENTIFIER
- R/W RIGHT OF WAY
- DB DEED BOOK
- PB PLAT BOOK
- PG PAGE

MONITORING WELL TABLE

COORDINATE SYSTEM: US STATE PLANE 1983
ZONE: NORTH CAROLINA 3200
REFERENCE FRAME: NAD 83 (2001)
DATUM: NAVD 88 (GEOID 18)
UNIT: US SURVEY FOOT

WELL ID	GRID NORTHING	GRID EASTING	TOP OF CASING ELEVATION
DMW-1	815472.94	2352036.59	110.75
MW-1	815470.29	2352036.82	111.11
MW-2	815686.27	2351908.68	105.61
MW-3	815434.66	2351910.00	110.40
MW-4R	815517.30	2352052.63	110.88
MW-4	815515.29	2352053.07	108.35
MW-5	815327.70	2352040.90	111.41

SURVEY PLAT - EXHIBIT A TO THE NOTICE OF DRY-CLEANING SOLVENT REMEDIATION

SOURCE PROPERTY:

OWNER: PICKUP PENNIES, LLC

PIN: 3851-0915-9345 DEED BOOK 3149, PAGE 665

1691 NORTHERN BOULEVARD, CITY OF ROCKY MOUNT, STONY CREEK TOWNSHIP, NASH COUNTY, NORTH CAROLINA

CONTAMINATION SOURCE:

THE FORMER ONE HOUR KORETIZING
DSCA SITE ID: DC640006

SOURCE PROPERTY ADDRESS: 1691 NORTHERN BOULEVARD, CITY OF ROCKY MOUNT, STONY CREEK TOWNSHIP, NASH COUNTY, NORTH CAROLINA

SURVEY DATE: JULY 25, 2024
FIELD BOOK: 003/21-22
FILE: ATL0004.DWG
MAP SCALE: 1"=30'
PROJECT #: ATL0004
CLOSURE BY: EMC

APOGEE SURVEYING, PLLC
NC LICENSE P-2427
1224 COURTLAND DRIVE
RALEIGH, NC 27604
919-368-9181
CASH@APOGEESURVEYING.COM

REVIEW OFFICER CERTIFICATE

STATE OF NORTH CAROLINA
COUNTY OF NASH

I, _____, REVIEW OFFICER OF NASH COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.

_____
REVIEW OFFICER DATE

REFERENCES

DB 1010 PG 424	DB 1508 PG 285
DB 1555 PG 490	DB 1503 PG 663
DB 1591 PG 237	DB 1208 PG 493
DB 2832 PG 437	PB 39 PG 357
DB 3149 PG 665	PB 38 PG 200-201
DB 2688 PG 20	PB 36 PG 388
DB 2256 PG 418	PB 24 PG 275
DB 1725 PG 245	PB 23 PG 98

LINE	BEARING	DISTANCE
L1	N 12°47'02" W	19.91'
L2	S 85°13'19" E	21.22'

CURVE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	519.98'	10.90'	N 84°18'21" E	10.90'
C2	519.98'	89.83'	N 89°51'20" E	89.72'
C3	10.66'	16.37'	N 37°48'46" E	14.81'

SCALE BAR 1"=30'

30' 0 30' 60'

EXHIBIT B
PROPERTY LEGAL DESCRIPTION

BEING all of Lot 1, Block A, containing 0.56 acres, more or less, as shown on plat of survey entitled "Minor Construction Plat, Section 2, Property of: Bonnie G. Barnes, Jo Lynn G. Doughtie, Betsy G. Fletcher & James R. Griffin, Owners: Bonnie Griffin Barnes, et als, Stoney Creek Township, Nash County, NC" dated December 16, 1996 and prepared by Joyner, Keeny & associates, Rocky Mount, North Carolina, and recorded in Map Book 24, Page 275, Nash County Registry.

Together with all right, title and interests of the Grantors pursuant to that certain access easement in Book 1591, Pages 237-240, Nash County Registry.

Parcel ID: 385109159345
Known as 1691 Northern Blvd, Rocky Mount, NC 27804

APPENDIX D

EXAMPLE ANNUAL CERTIFICATION OF LAND-USE RESTRICTIONS

Annual Certification of Land-Use Restrictions

Site Name: **One Hour Koretizing**

Site Address: 1691 Northern Boulevard, Rocky Mount, Nash County

DSCA Site ID: DC640006

ANNUAL CERTIFICATION of LAND-USE RESTRICTIONS

Pursuant to land-use restriction number 4 (the land-use restrictions are included as part of this form for reference) in the Notice of Dry-Cleaning Solvent Remediation (Notice) signed by Pickup Pennies, LLC (property owner at time of recordation) and recorded in Deed Book <blank>, Page <blank> on <date> at the Nash County Register of Deeds Office, Pickup Pennies, LLC hereby certifies, as the current owner of at least part of the property that is the subject of the Notice, that the Notice remains recorded at the Nash County Register of Deeds office and the land-use restrictions therein are being complied with.

Duly executed this _____ day of _____, 20__.

Pickup Pennies, LLC

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]

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. The Property shall be used exclusively for non-residential land use pursuant to North Carolina Administrative Code (NCAC) 15A NCAC 02S.0102(21) and related amenities (parking, landscape areas and walkways), and all other uses of the Property are prohibited except as approved in writing by DEQ.

2. Without prior written approval from DEQ, the Property shall not be used for:
    a. childcare centers, elementary, middle, or high schools; or elder care facilities. Exceptions to this restriction include use of the property for technical or adult education institutions; technical training centers; or tutorial institutions.
    b. mining or extraction of coal, oil, gas or any mineral or non-mineral substances.

3. 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.

4. 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.

5. 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.

6. 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.

APPENDIX E

EXAMPLE DOCUMENTS ANNOUNCING THE PUBLIC COMMENT PERIOD

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

One Hour Koretizing
DSCA Site ID DC640006

Pursuant to N.C.G.S. §143-215.104L, on behalf of Pickup Pennies, 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.

One Hour Koretizing formerly conducted dry-cleaning operations at 1691 Northern Boulevard in Rocky Mount, North Carolina. The property is currently occupied by Z's Smoke House. Dry-cleaning solvent contamination in soil and/or groundwater has been identified at the following parcel(s):

1691 Northern Boulevard, in Rocky Mount; Parcel No. 385109159345

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 deq.nc.gov/ncdsca under "DSCA Public Notices and Announcements".

The public comment period begins _____ __, 20__, and ends _____ __, 20__.

Comments must be in writing and submitted to NCDEQ no later than _____ __, 20__. Written requests for a public meeting may be submitted to NCDEQ no later than _____ __, 20__. Requests for additional information should be directed to Mike Cunningham at (919)707-8361. All comments and requests should be sent to:

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

JOSH STEIN
Governor
D. REID WILSON
Secretary
MICHAEL SCOTT
Director

NORTH CAROLINA
Environmental Quality

<Date>

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

Subj: Remediation of Dry-Cleaning Solvent Contamination
DSCA Site ID DC640006
One Hour Koretizing, 1691 Northern Boulevard, Rocky Mount

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. If you would like to view the documents, please go to **deq.nc.gov/ncdsca** and select "DSCA Public Notices and Announcements" on the right-hand side of the web page.

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:

Mike Cunningham, 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 Rocky Mount Telegram, 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)707-8361.

Sincerely,

Mike Cunningham, DSCA Project Manager
Division of Waste Management, NCDEQ

cc: DSCA Site ID DC640006 File

JOSH STEIN
Governor
D. REID WILSON
Secretary
MICHAEL SCOTT
Director

NORTH CAROLINA
Environmental Quality

<Date>

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

Subj: Dry-Cleaning Solvent Contamination at One Hour Koretizing, 1691 Northern Boulevard, Rocky Mount, Nash County, NC DSCA Site ID DC640006

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 One Hour Koretizing at 1691 Northern Boulevard in Rocky Mount. The property is currently occupied by the Z's Smoke House. 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 and wish to view this document, we ask that you contact us to request a hard copy of the complete NOI.

If you have questions, please contact me at Mike.Cunningham@deq.nc.gov or (919) 707-8361.

Sincerely,
[SIGNATURE]
Mike Cunningham, DSCA Project Manager
Division of Waste Management, NCDEQ

Attachments: Summary of the NOI

cc: DSCA Site ID DC640006 File