

| | Field | Acres | Buffer | Net Ac. | Latitude | Long. | FSN# | Tract | Field | Tax ID # | RPC# |
|-------------------|---------------|-------------|--------|-------------|----------|---------|------|-------|--------|----------|----------|
| Luis Dancausse | RO79-1 | 5.8 | 1.2 | 4.6 | 37.189 | -79.418 | 2135 | 2083 | 5 | 239 A 2 | 23900100 |
| | | | | | | | | | | 239 A 2A | 90509757 |
| | RO79-2 | 4.3 | 0.9 | 3.4 | 37.140 | -79.419 | 2135 | 2083 | 13 | 239 A 2 | 23900100 |
| | RO79-3 | 13.3 | 0.0 | 13.3 | 37.141 | -79.419 | 2135 | 2083 | 7 & 13 | 239 A 2 | 23900100 |
| | RO79-4 | 5.5 | 2.7 | 2.8 | 37.144 | -79.415 | 2135 | 2083 | 2 | 239 A 2 | 23900100 |
| | RO79-5 | 16.3 | 2.6 | 13.7 | 37.145 | -79.418 | 2135 | 2083 | 1 & 7 | 239 A 2 | 23900100 |
| | TOTALS | 45.2 | | 37.8 | | | | | | | |

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 11/12/2015 between Wilkes Farm, LLC ^{member} referred to here as "Landowner", and Bio-Nomic Services, Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Redford, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

| Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges | | | |
|---|---------------|---------------|---------------|
| Tax Parcel ID | Tax Parcel ID | Tax Parcel ID | Tax Parcel ID |
| 239 A 2A | 90504757 | | |
| | | | |
| | | | |
| | | | |

Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- The Landowner is the sole owner of the properties identified herein.
 The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

| | | | |
|---|---|---|---|
| <u>Class B biosolids</u> | <u>Water treatment residuals</u> | <u>Food processing waste</u> | <u>Other industrial sludges</u> |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

(member)
Luis Dancousse
 Landowner - Printed Name, Title
Wilkes Farm, LLC

Luis Dancousse
 Signature

5319 Bayberry Lane
Greensboro NC 27455
 Mailing Address

Permittee:

Bio-Nomic Services Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Vaughn Buck Stevenson
 Permittee - Authorized Representative
 Printed Name

Vaughn "Buck" St
 Signature

516 Rowtree Road, Charlotte, NC 28217
 Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Bio-Nomic Services, Inc. County or City: Bedford County

Landowner: Luis A. Dancausse member
Wilkes Farm LLC

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Wilkes Farm, LLC
Luis Dancausse (member)
Landowner's Signature

11-12-15
Date

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 11/12/2015 between Wilkes Farm LLC referred to here as "Landowner", and Bio-Nomic Services, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Bedford, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

| Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges | | | |
|--|---------------|---------------|---------------|
| Tax Parcel ID | Tax Parcel ID | Tax Parcel ID | Tax Parcel ID |
| 23d A 2A | 40509757 | | |
| | | | |
| | | | |
| | | | |

Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- The Landowner is the sole owner of the properties identified herein.
 The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
 Yes No Yes No Yes No

Wilkes Farm, LLC (member) Virginia Diane Dancusse 5319 Bayberry Lane
Virginia Diane Dancusse Dancusse Greensboro NC 27453
Landowner - Printed Name, Title Signature Mailing Address

Permittee:

Bio-Nomic Services Inc. the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Vaughn Buck Stevenson Vaughn Buck Stevenson 516 Rountree Road, Charlotte, NC 28217
Permittee - Authorized Representative Signature Mailing Address
Printed Name

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Bio-Nomic Services, Inc. County or City: Bedford County

Landowner: Virginia Dancausse member
Wilkes Farm, LLC

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
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 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Wilkes Farm, LLC
Virginia Diane Dancausse (member)

Landowner's Signature

11/28/15

Date

 [Printer-Friendly](#)

[View In Map](#) 

| | | | |
|---|--------------------------|----------------------------|----------------------|
| Tax Map # | Link | Parcel Number(RPC). | Address |
| 239 A 2A | 239 A 2A | 90509757 | 13628 LEESVILLE ROAD |
| Link to Real Estate Lookup/Sketch | | | |

Parcel Information **Valuation** **Improvements** **Ownership History**

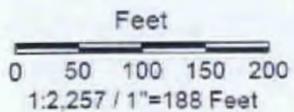
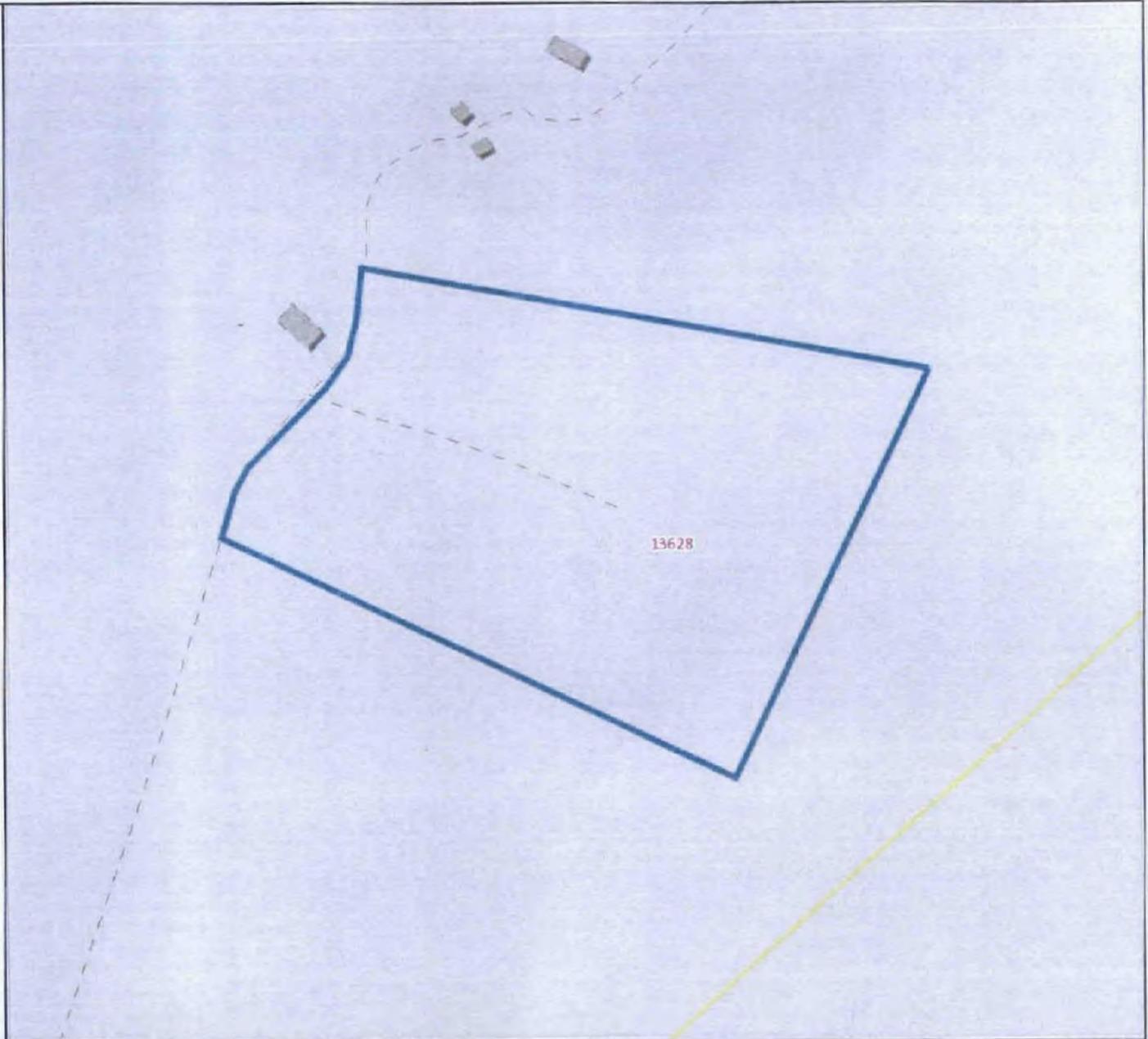
General Information

| | | | |
|--------------------------|---|---------------------------|--------------------------------|
| Owner: | DANCAUSSE LUIS A & VIRGINIA DIANE | Legal Acreage: | 5.0000 |
| Additional Owner: | | PCDesc: | 2 Single Family Res(1-19.99ac) |
| Owner Address: | 5319 BAYBERRY LN GREENSBORO , NC 27455 | Legal Description: | TRACT 1A PB 50/433 |
| | | Document Number: | 080004804 |

Bedford, VA

Legend

- E911 Address
- Highway
- Blue Ridge Parkway
- US Primary
- Virginia Primary
- Roads
- Driveway
- Parcels - County
- Parcels - Town
- Public School Boundary



Title: Dancausse Luis A & Virginia Diane 239 A 2A

Date: 3/17/2016

90509757
DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Bio-Nomic Services, Inc County or City: Redford County

Landowner: Donny Ray Wilkes, member
Wilkes Farm, LLC

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
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 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Wilkes Farm, LLC
DANNY WILKES (member)

Landowner's Signature

11-26-2015
Date

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 11/26/2015 between Wilkes Farm LLC referred to here as "Landowner", and Bio-Nomic Services Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Bedford, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

| Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges | | | |
|--|---------------|---------------|---------------|
| Tax Parcel ID | Tax Parcel ID | Tax Parcel ID | Tax Parcel ID |
| 239 A 2 | 23900100 | | |
| | | | |
| | | | |
| | | | |

Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: The Landowner is the sole owner of the properties identified herein.
 The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

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Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
 Yes No Yes No Yes No

Wilkes Farm LLC Michael T. Wilkes (member) Michael T. Wilkes 3400 Cotswold Ave Apt. 111c
 Landowner - Printed Name, Title Signature Mailing Address
Greensboro NC 27410

Permittee:

Bio-Nomic Services Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Vaughn Buck Stevenson Vaughn "Bud" Stevenson 516 Reantree Road, Charlotte, NC 28217
 Permittee - Authorized Representative Signature Mailing Address
 Printed Name

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Bio-Nomic Services, Inc. County or City: Bedford County

Landowner: Michael T. Wilkes member
Wilkes Farm, LLC

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

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Following biosolids application to pasture or hayland sites:

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6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Wilkes Farm, LLC
Michael T. Wilkes (member)
Landowner's Signature

11-26-15
Date

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 11/26/2015 between Widows Farm, LLC referred to here as "Landowner", and Bio-Nomic Services, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Bedford, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

| Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges | | | |
|--|---------------|---------------|---------------|
| Tax Parcel ID | Tax Parcel ID | Tax Parcel ID | Tax Parcel ID |
| 239 A 2 | 239 00 100 | | |
| | | | |
| | | | |
| | | | |

Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: The Landowner is the sole owner of the properties identified herein.
 The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
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The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

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Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
 Yes No Yes No Yes No

Gloria Jean Morrow (member) Widows Farm, LLC Gloria Jean Morrow 5701 Appleton Rd. Greensboro NC 27405
 Landowner - Printed Name, Title Signature Mailing Address

Permittee:

Bio-Nomic Services, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Vaughn Buck Stevenson Vaughn "Buck" Stevenson 516 Pantree Road, Charlotte, NC 28217
 Permittee - Authorized Representative Signature Mailing Address
 Printed Name

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Bio-Nomic Services, Inc.

County or City: Bedford County

Landowner: Gloria Jean Morrow member
Wilkes Farm, LLC

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Gloria Jean Morrow (member)
Wilkes Farm, LLC

Landowner's Signature

11-26-2015

Date

Printer-Friendly

[View In Map](#)

| Tax Map # | Link | Parcel Number(RPC) | Address |
|-----------|-------------------------|--------------------|---------|
| 239 A 2 | 239 A 2 | 23900100 | |

[Link to Real Estate Lookup/Sketch](#)

Parcel Information

Valuation

Improvements

Ownership History

General Information

| | | | |
|--------------------------|---|---------------------------|-------------------------------|
| Owner: | WILKES FARM LLC | Legal Acreage: | 252.0000 |
| Additional Owner: | | PCDesc: | 6 Agricultural/Undevl(100+ac) |
| Owner Address: | 5319 BAYBERRY LANE GREENSBORO , NC 27455 | Legal Description: | BACK CR |
| | | Document Number: | 050018835 |

Land Use

Tax Year:

- 1997
- 1998
- 1999
- 2000
- 2001
- 2002
- 2003
- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016

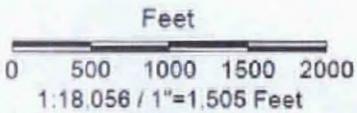
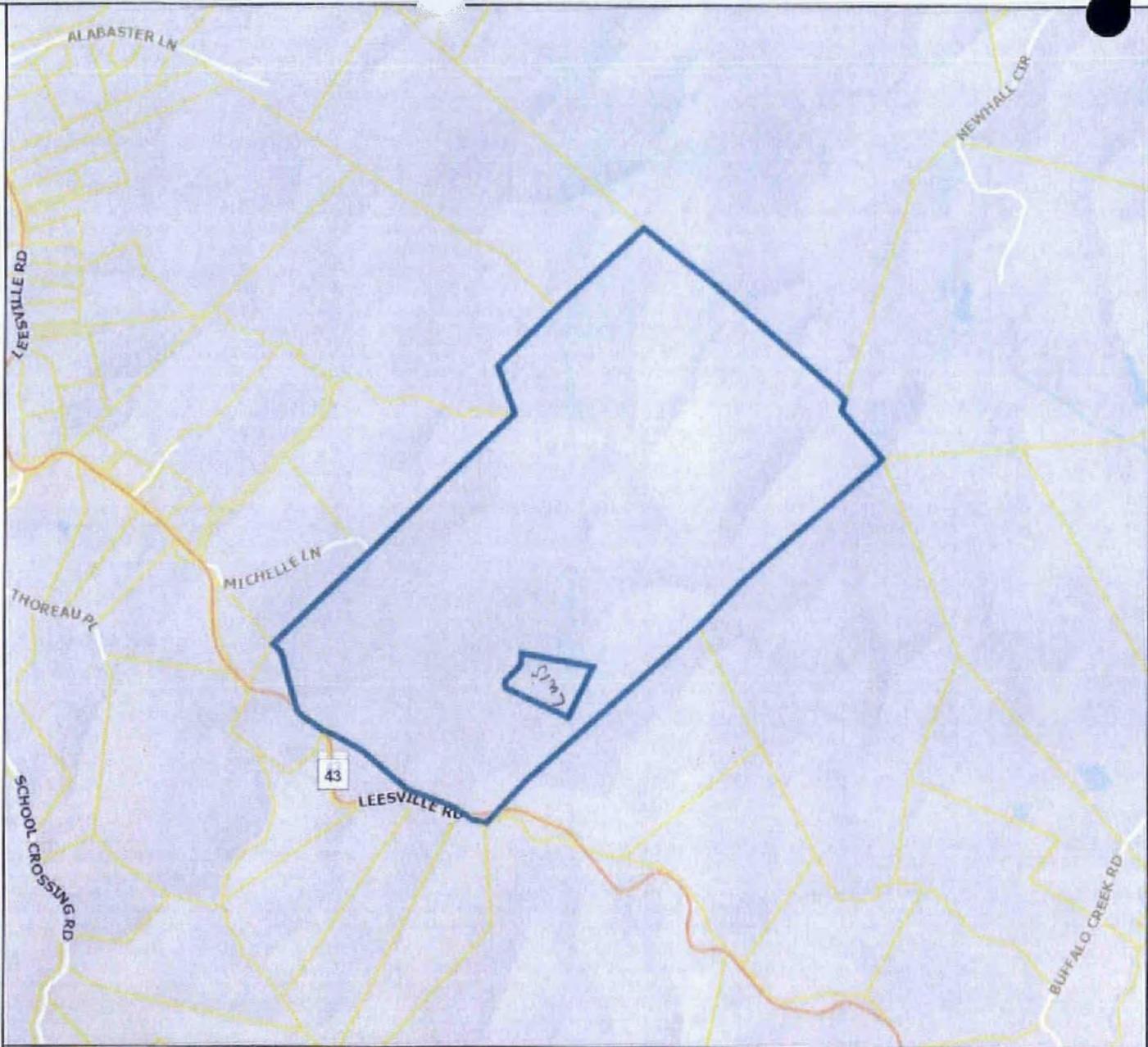
R079-1
R079-2
R079-3
R079-4
R079-5

Bedford, VA

Legend

- Highway
- Blue Ridge Parkway
- US Primary
- Virginia Primary
- Roads
- Parcels - County
- Parcels - Town

P079-1
P079-2
P079-3
P079-4
P079-5



Title: Wilkes Farm LLC 239 A 2 23900100

Date: 3/17/2016

DISCLAIMER: This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records, information, and data obtained from various sources, and Bedford County is not responsible for its accuracy or how current it may be.

Luis Dancausse Farm

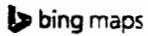
Bio-Nomic Services, Inc. is filing this application to apply approved (VA0025020) Class B biosolids to this designated farm land in Bedford County, Virginia.

The farm is located in the Huddleston community on the east side of Leesville Road. All fields are located in a predominately agricultural areas. All streams, drainage features, rock outcrops, structures, dwellings, property lines, roadways and wells are designated and buffered as required. There are no public contact sites in the vicinity of the farm. Biosolids are currently being used as crop nutrients on close by farms, and this farm has been previously permitted by another biosolids contractor. No applications have been applied to this farm in the past.

Mr. Dancausse operates his acreage for hay production. The grass cover in the hayfields are predominately fescue.

The current fescue hay fields are: RO 79-1, 79-2, 79-3, 79-4 & 79-5.

Nutrient Management Plans will be written by a certified plan writer to address the application of biosolids to the designated fields that will address the most recent planned use of the fields should any changes occur in agricultural practices.



- Ⓐ **Brownlee Ave SE, Roanoke, VA 24014**
 Ⓑ **VA-43, Huddleston, VA 24104**

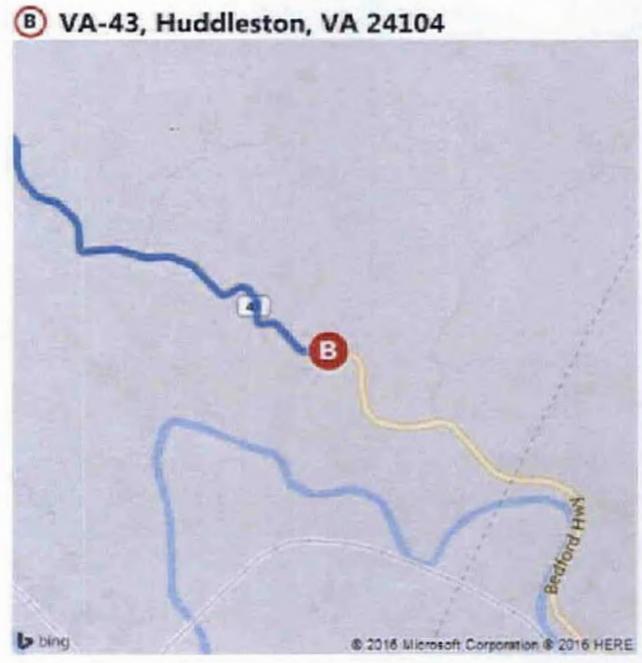
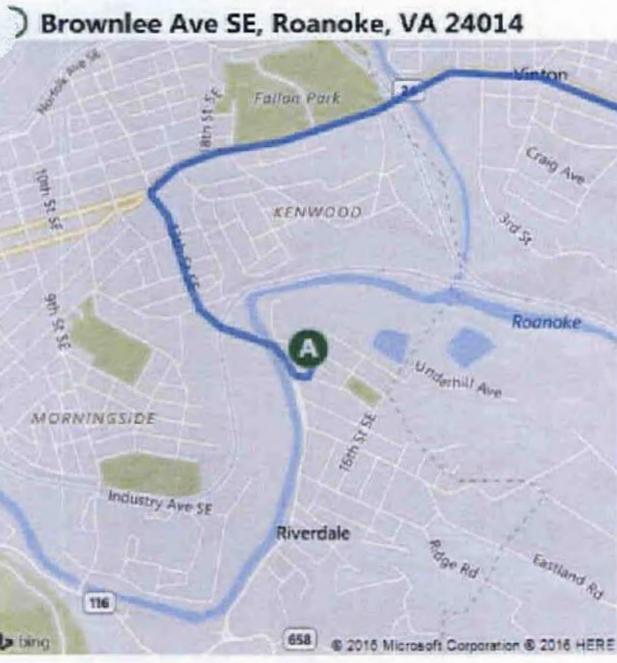
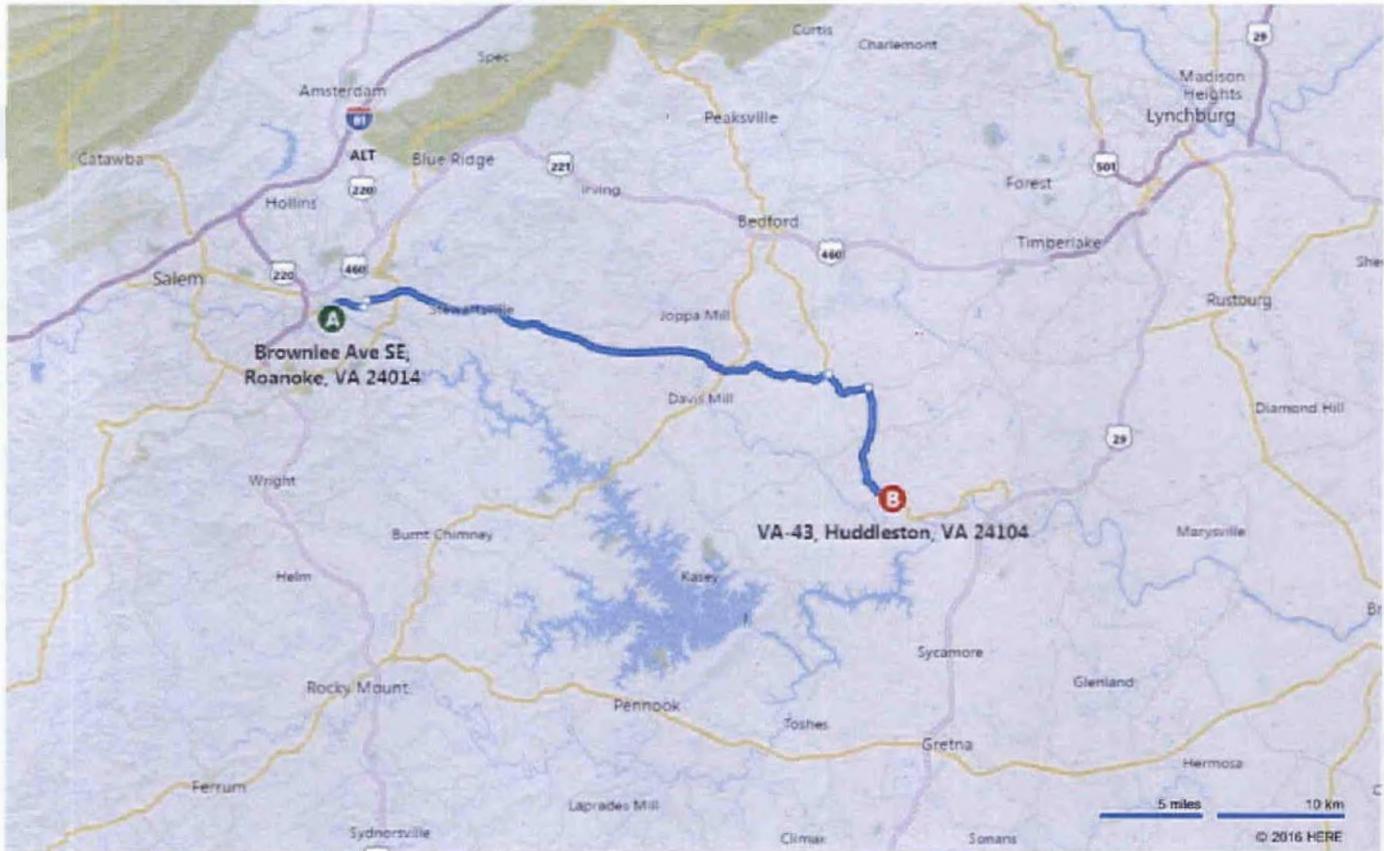
1 hr 00 min, 37.5 mi
 Light traffic (54 min without traffic)
 Via VA-24, VA-43

Dancausse Farm
 RO 79
 Hwy 43 is very winding from Glenwood to farm!

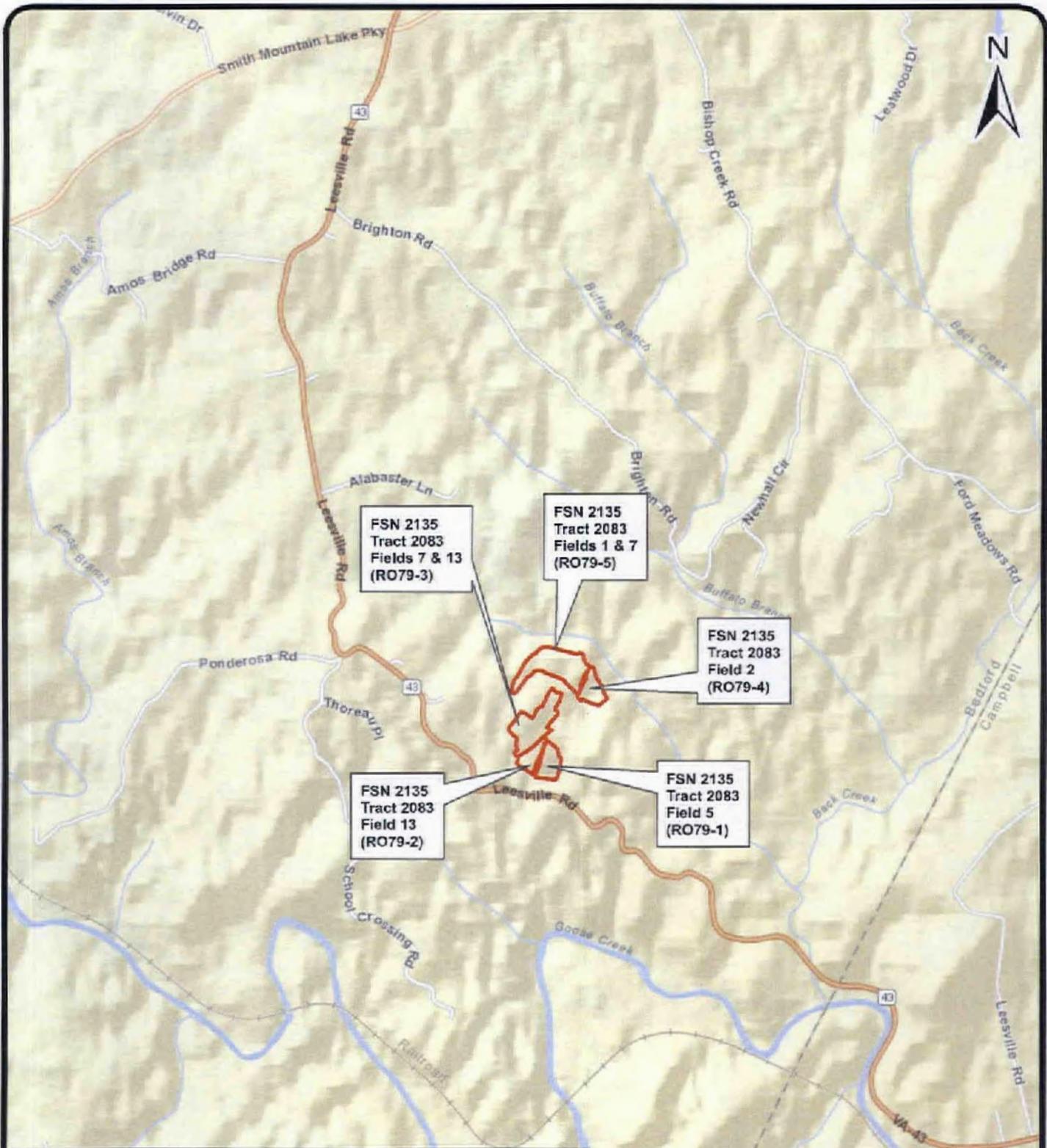
- Ⓐ **Brownlee Ave SE, Roanoke, VA 24014**

| | | |
|---|--|-----------------|
| ↑ | 1. Depart Brownlee Ave SE toward Kindred St SE | 161 ft |
| ↘ | 2. Turn right onto Kindred St SE | 479 ft |
| ↘ | 3. Turn right onto Carlisle Ave SE , and then immediately turn right onto Bennington St SE | 0.8 mi |
| ↘ | 4. Turn right onto VA-24 Pass Hess in 1.0 mi | 2.2 mi |
| ↑ | 5. Keep left to stay on VA-24 E / Bypass Rd | 0.4 mi |
| ↘ | 6. Turn right to stay on VA-24 E Pass Exxon in 4.4 mi | 24.6 mi, 33 min |
| ↘ | 7. Turn right onto VA-24 / VA-43 | 2.6 mi |
| ↘ | 8. Turn right onto VA-43 | 6.8 mi |
| | 9. Arrive at VA-43 on the left If you reach Broad Rd, you've gone too far | |

- Ⓑ **VA-43, Huddleston, VA 24104**



These directions are subject to the Microsoft® Service Agreement and are for informational purposes only. No guarantee is made regarding their completeness or accuracy. Construction projects, traffic, or other events may cause actual conditions to differ from these results. Map and traffic data © 2016 HERE™.



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 GIS DATA LAYERS WERE OBTAINED FROM ESRI, INC. PLEASE NOTE THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES.

Esri, HERE, DeLorme, USGS, Inter
 Esri Japan, METI, Esri China (Hong
 ia, © OpenStreetMap contributors.

 **Field Boundary**

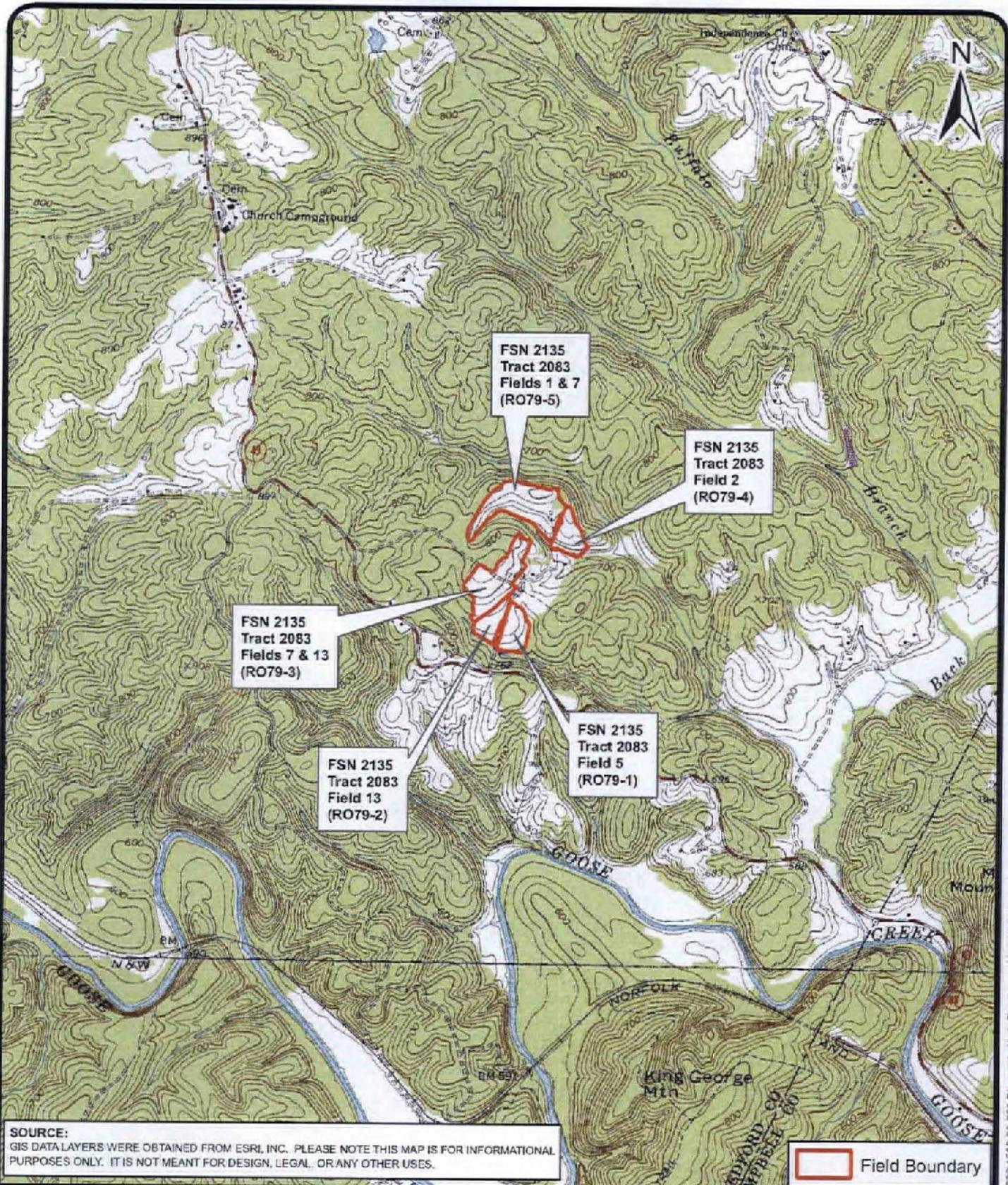
SCALE: 1" = 0.5 miles
 DATE: 12-04-15
 DRAWN BY: MEM
 PROJECT NO: 15-18 Ph: 1



**BIO-NOMIC
 SERVICES,
 INC.**

**VICINITY MAP
 LUIS DANCAUSSE**
 CITY OF ROANOKE
 LAND APPLICATION PROGRAM
 BEDFORD COUNTY, VIRGINIA

FIGURE NO.
1



SOURCE:
 GIS DATA LAYERS WERE OBTAINED FROM ESRI, INC. PLEASE NOTE THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES.

 Field Boundary

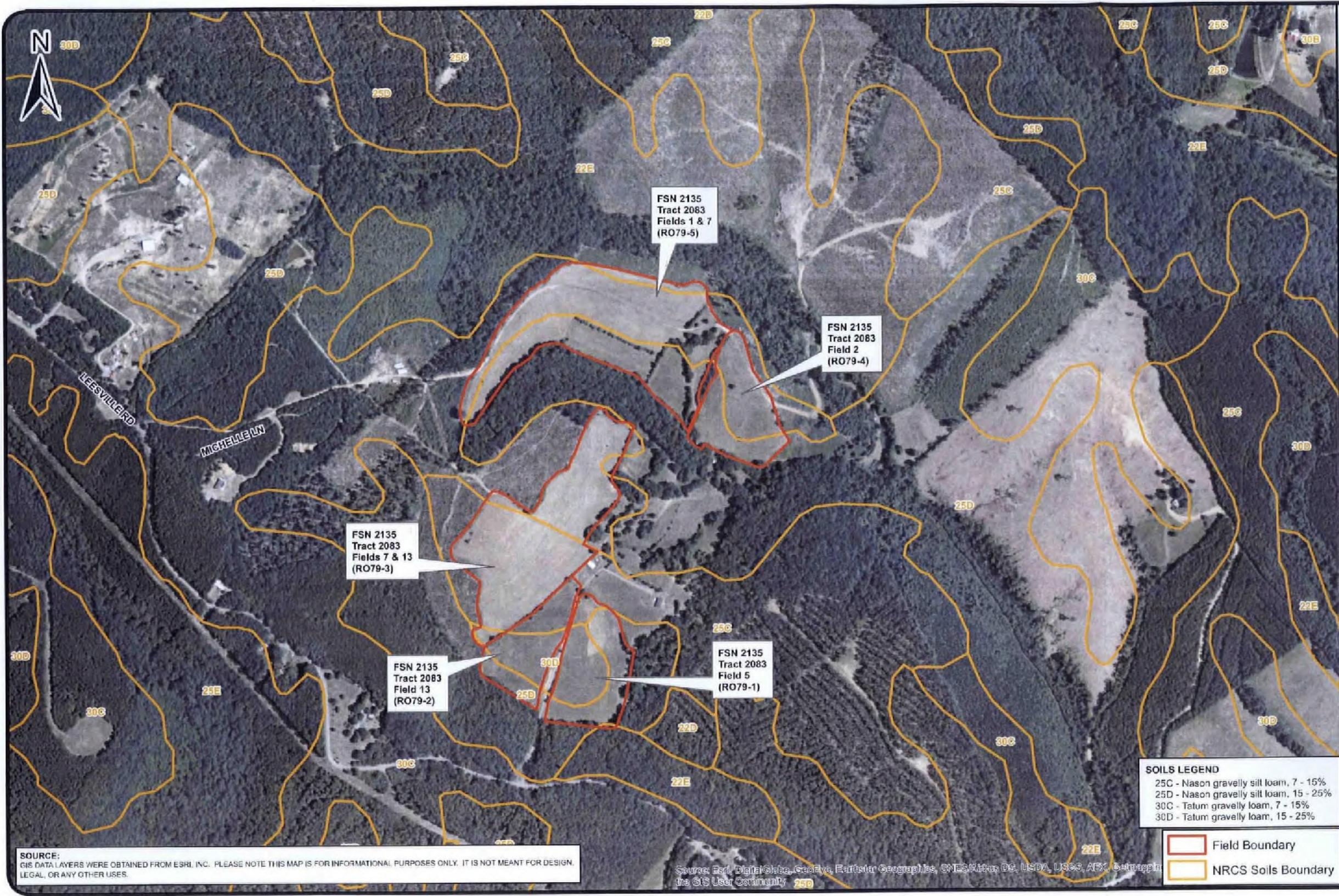
SCALE: 1" = 2,000'
 DATE: 12-04-15
 DRAWN BY: MEM
 PROJECT NO: 15-18 Ph: 1



BIO-NOMIC SERVICES, INC.

USGS TOPOGRAPHIC MAP
LUIS DANCAUSSE
 CITY OF ROANOKE
 LAND APPLICATION PROGRAM
 BEDFORD COUNTY, VIRGINIA

FIGURE NO.
2



SOURCE:
GIS DATA LAYERS WERE OBTAINED FROM ESRI, INC. PLEASE NOTE THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, the GIS User Community

SOILS LEGEND

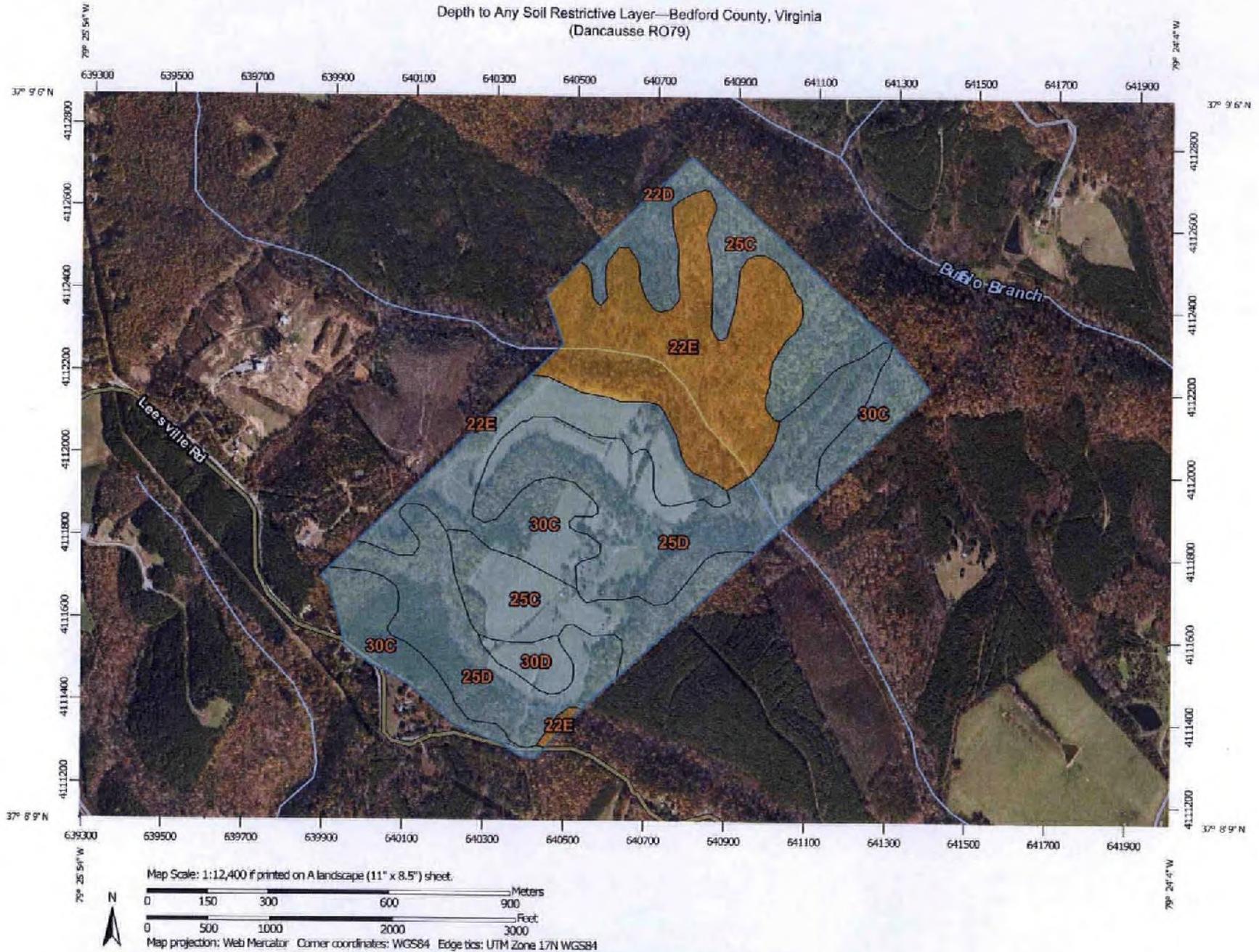
| | |
|-----|--------------------------------------|
| 25C | - Nason gravelly silt loam, 7 - 15% |
| 25D | - Nason gravelly silt loam, 15 - 25% |
| 30C | - Tatum gravelly loam, 7 - 15% |
| 30D | - Tatum gravelly loam, 15 - 25% |

| | |
|--|---------------------|
| | Field Boundary |
| | NRCS Soils Boundary |

| | |
|---|-------------------------|
| | DATE: 12.07.2015 |
| | SCALE: 1" = 500' |
| | PROJECT NO: 15-18 Ph: 1 |
| BIO-NOMIC SERVICES, INC. | DRAWN BY: MEM |
| | CHECKED BY: MEM |
| NRCS SOILS MAP - LUIS DANCAUSSE CITY OF ROANOKE LAND APPLICATION PROGRAM BEDFORD COUNTY, VIRGINIA | |
| FIGURE NO. | 3 |

C:\arcgis\2008\1588-09-058 Bio-nomic\ Luis Dancausse\Map\NRCS.mxd

Depth to Any Soil Restrictive Layer—Bedford County, Virginia
(Dancausse RO79)



Depth to Any Soil Restrictive Layer—Bedford County, Virginia
(Dancausse RO79)

MAP LEGEND

- Area of Interest (AOI)**
 Area of Interest (AOI)
- Soils**
- Soil Rating Polygons**
-  0 - 25
 -  25 - 50
 -  50 - 100
 -  100 - 150
 -  150 - 200
 -  > 200
 -  Not rated or not available
- Soil Rating Lines**
-  0 - 25
 -  25 - 50
 -  50 - 100
 -  100 - 150
 -  150 - 200
 -  > 200
 -  Not rated or not available
- Soil Rating Points**
-  0 - 25
 -  25 - 50
 -  50 - 100
 -  100 - 150
 -  150 - 200
 -  > 200
- Water Features**
 Streams and Canals
- Transportation**
-  Rails
 -  Interstate Highways
 -  US Routes
 -  Major Roads
 -  Local Roads
- Background**
 Aerial Photography
-  Not rated or not available

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bedford County, Virginia
 Survey Area Data: Version 11, Dec 11, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 8, 2010—Mar 17, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Depth to Any Soil Restrictive Layer

| Depth to Any Soil Restrictive Layer— Summary by Map Unit — Bedford County, Virginia (VA019) | | | | |
|---|--|----------------------|--------------|----------------|
| Map unit symbol | Map unit name | Rating (centimeters) | Acres in AOI | Percent of AOI |
| 22D | Manteo channery silt loam, 15 to 25 percent slopes | 43 | 0.1 | 0.0% |
| 22E | Manteo channery silt loam, 25 to 60 percent slopes | 43 | 57.3 | 22.2% |
| 25C | Nason gravelly silt loam, 7 to 15 percent slopes | 122 | 55.6 | 21.5% |
| 25D | Nason gravelly silt loam, 15 to 25 percent slopes | 122 | 82.9 | 32.1% |
| 30C | Tatum gravelly loam, 7 to 15 percent slopes | 109 | 57.4 | 22.2% |
| 30D | Tatum gravelly loam, 15 to 25 percent slopes | 109 | 4.9 | 1.9% |
| Totals for Area of Interest | | | 258.2 | 100.0% |

Description

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers.

This theme presents the depth to any type of restrictive layer that is described for each map unit. If more than one type of restrictive layer is described for an individual soil type, the depth to the shallowest one is presented. If no restrictive layer is described in a map unit, it is represented by the "> 200" depth class.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

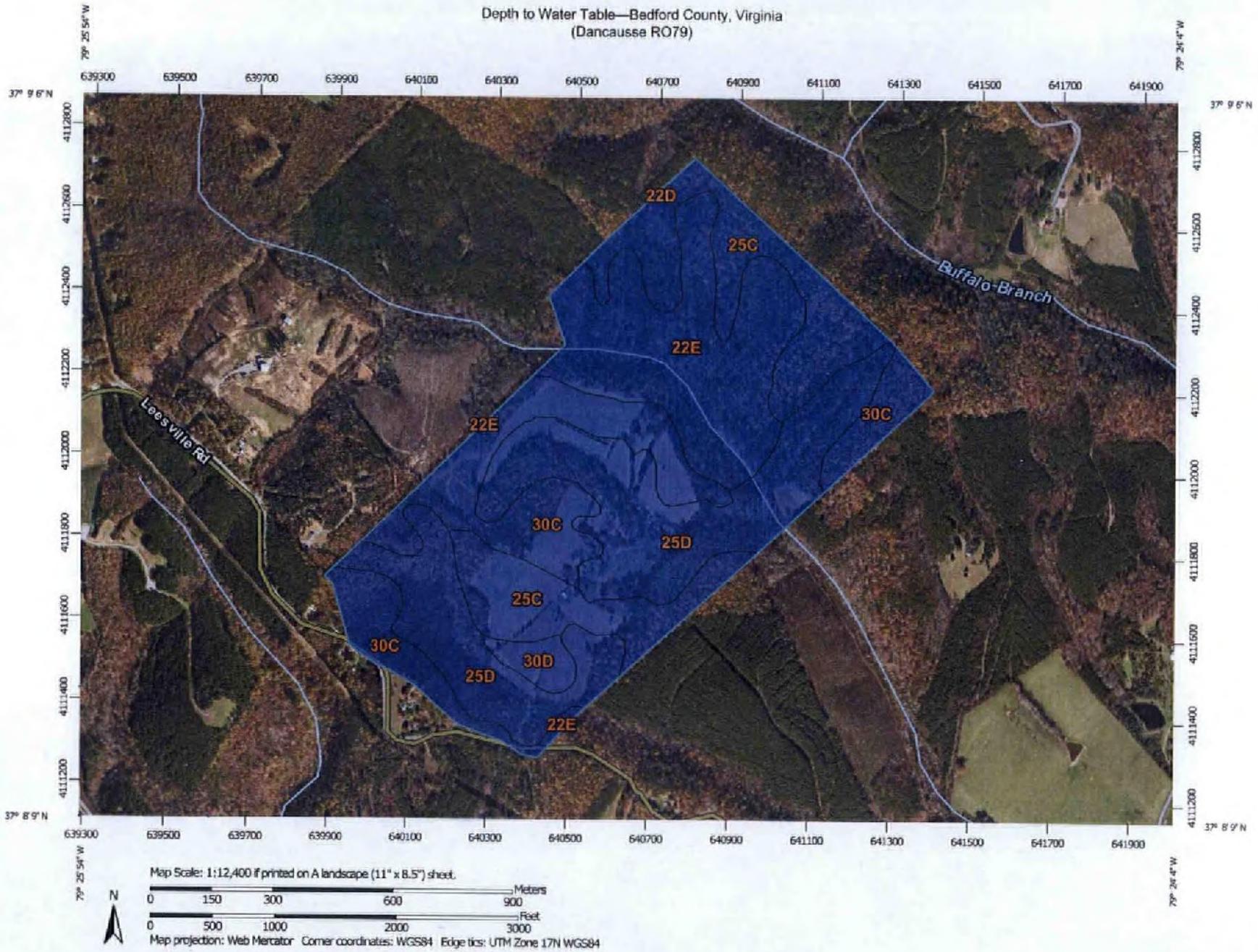
Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Depth to Water Table—Bedford County, Virginia
(Dancausse RO79)



Depth to Water Table—Bedford County, Virginia
(Dancausse RO79)

MAP LEGEND

| | | |
|--|--|--|
| Area of Interest (AOI) |  Area of Interest (AOI) |  Not rated or not available |
| Soils | | Water Features |
| Soil Rating Polygons | |  Streams and Canals |
|  0 - 25 | | Transportation |
|  25 - 50 | |  Rails |
|  50 - 100 | |  Interstate Highways |
|  100 - 150 | |  US Routes |
|  150 - 200 | |  Major Roads |
|  > 200 | |  Local Roads |
|  Not rated or not available | | Background |
| Soil Rating Lines | |  Aerial Photography |
|  0 - 25 | | |
|  25 - 50 | | |
|  50 - 100 | | |
|  100 - 150 | | |
|  150 - 200 | | |
|  > 200 | | |
|  Not rated or not available | | |
| Soil Rating Points | | |
|  0 - 25 | | |
|  25 - 50 | | |
|  50 - 100 | | |
|  100 - 150 | | |
|  150 - 200 | | |
|  > 200 | | |

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bedford County, Virginia
Survey Area Data: Version 11, Dec 11, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 8, 2010—Mar 17, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Depth to Water Table

| Depth to Water Table— Summary by Map Unit — Bedford County, Virginia (VA019) | | | | |
|--|--|----------------------|--------------|----------------|
| Map unit symbol | Map unit name | Rating (centimeters) | Acres in AOI | Percent of AOI |
| 22D | Manteo channery silt loam, 15 to 25 percent slopes | >200 | 0.1 | 0.0% |
| 22E | Manteo channery silt loam, 25 to 60 percent slopes | >200 | 57.3 | 22.2% |
| 25C | Nason gravelly silt loam, 7 to 15 percent slopes | >200 | 55.6 | 21.5% |
| 25D | Nason gravelly silt loam, 15 to 25 percent slopes | >200 | 82.9 | 32.1% |
| 30C | Tatum gravelly loam, 7 to 15 percent slopes | >200 | 57.4 | 22.2% |
| 30D | Tatum gravelly loam, 15 to 25 percent slopes | >200 | 4.9 | 1.9% |
| Totals for Area of Interest | | | 258.2 | 100.0% |

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

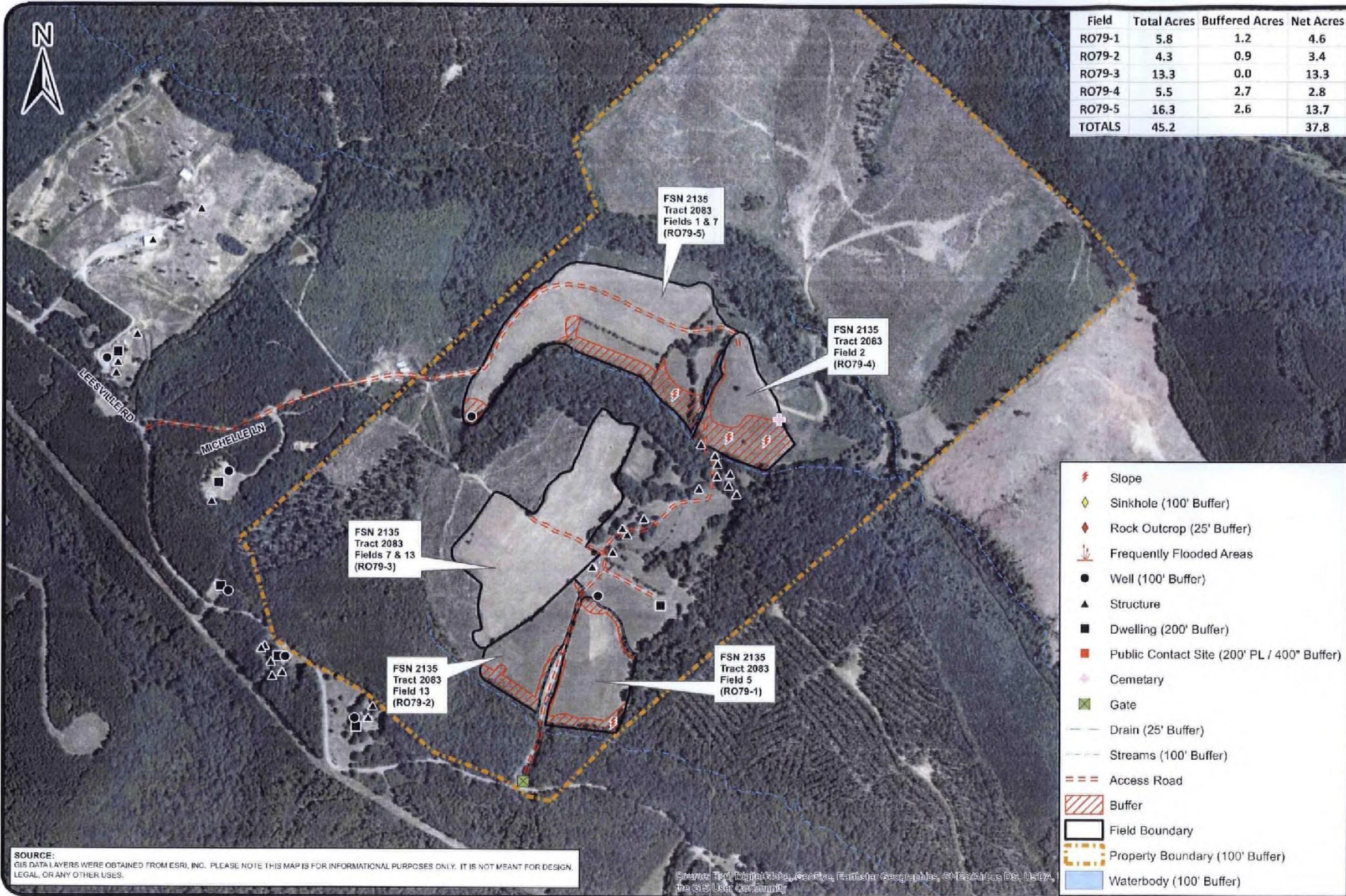
Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December



| Field | Total Acres | Buffered Acres | Net Acres |
|---------------|-------------|----------------|-------------|
| RO79-1 | 5.8 | 1.2 | 4.6 |
| RO79-2 | 4.3 | 0.9 | 3.4 |
| RO79-3 | 13.3 | 0.0 | 13.3 |
| RO79-4 | 5.5 | 2.7 | 2.8 |
| RO79-5 | 16.3 | 2.6 | 13.7 |
| TOTALS | 45.2 | | 37.8 |

DATE: 01.29.2016
 DRAWN BY: MEM
 CHECKED BY: MEM
 SCALE: 1" = 500'
 PROJECT NO.: 15-18 Ph: 1
 ENGINEERING LICENSE NO.:



BIO-NOMIC SERVICES, INC.

- Slope
- Sinkhole (100' Buffer)
- Rock Outcrop (25' Buffer)
- Frequently Flooded Areas
- Well (100' Buffer)
- Structure
- Dwelling (200' Buffer)
- Public Contact Site (200' PL / 400" Buffer)
- Cemetary
- Gate
- Drain (25' Buffer)
- Streams (100' Buffer)
- Access Road
- Buffer
- Field Boundary
- Property Boundary (100' Buffer)
- Waterbody (100' Buffer)

SOURCE:
 GIS DATA LAYERS WERE OBTAINED FROM ESRI, INC. PLEASE NOTE THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, the GIS User Community

BUFFER MAP - LUIS DANCAUSSE
 CITY OF ROANOKE
 LAND APPLICATION PROGRAM
 BEDFORD COUNTY, VIRGINIA

FIGURE NO.
4

C:\arcgis\2008\1588-09-0509 Bio-nomic\ Luis Dancausse\Mapa\Buffer.mxd



Common Land Unit
 Cropland / Non-cropland

Wetland Determination Identifiers
 ● Restricted Use
 ○ Limited Restrictions
 ■ Exempt from Conservation Compliance Provisions

2016 Crop Year



Farm 2135
Tract 2083

Tract Page: 1 of 1

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Report Number: 16-098-0502

Account Number: 45671



7621 Whitepine Road, Richmond, VA 23237
 Main 804-743-9401 ° Fax 804-271-6446
 www.waypointanalytical.com

Send To: BIO-NOMIC SERVICES INC
 Joel Coert
 516 ROUNDTREE RD
 CHARLOTTE NC 28217

"Every acre...Every year."™

Grower: DANCAWSSE

Submitted By: DON GREENE
 Farm ID: RO-79

SOIL ANALYSIS REPORT

Analytical Method(s): Lime Index Mehlich 3 Loss On Ignition Water pH

Date Received: 04/07/2016

Date Of Analysis: 04/08/2016

Date Of Report: 04/08/2016

| Sample ID Field ID | Lab Number | OM | W/V | ENR | Phosphorus | | | Potassium | Magnesium | Calcium | Sodium | pH | | Acidity | C.E.C |
|-----------------------|---------------|-----------|---------------|-------|-----------------|----------|----------|------------------|-----------------|----------------|----------------|------------|-----------------|---------------|----------|
| | | % Rate | Soil Class | lbs/A | M3 ppm Rate | ppm Rate | ppm Rate | K ppm Rate | Mg. ppm Rate | Ca ppm Rate | Na ppm Rate | Soil pH | Buffer Index | H meq/100g | meq/100g |
| 79-1 | 06675 | 5.4 H | MIN | 150 | 4 VL NC = 3 | | | 103 H NC = 53 | 49 L | 418 L | | 4.9 | 6.71 | 2.2 | 5.0 |
| 79-2 | 06676 | 5.1 H | MIN | 142 | 6 VL NC = 5 | | | 125 H NC = 64 | 110 M | 745 M | | 5.3 | 6.71 | 2.2 | 7.2 |
| 79-3 | 06677 | 4.1 M | MIN | 126 | 3 VL NC = 2 | | | 41 L NC = 21 | 84 H | 488 M | | 5.5 | 6.82 | 1.1 | 4.3 |
| 79-4 | 06678 | 4.9 M | MIN | 142 | 10 VL NC = 8 | | | 73 M NC = 37 | 69 M | 509 M | | 5.5 | 6.82 | 1.1 | 4.4 |
| 79-5 | 06679 | 4.7 M | MIN | 137 | 14 L NC = 12 | | | 53 L NC = 27 | 75 M | 560 M | | 5.5 | 6.81 | 1.2 | 4.8 |

| Sample ID Field ID | Percent Base Saturation | | | | | Nitrate | Sulfur | Zinc | Manganese | Iron | Copper | Boron | Soluble Salts | Chloride | Aluminum |
|-----------------------|-------------------------|---------|---------|---------|--------|-------------------------------|---------------|----------------|----------------|----------------|----------------|---------------|------------------|----------------|-----------|
| | K % | Mg % | Ca % | Na % | H % | NO ₃ N ppm Rate | S ppm Rate | Zn ppm Rate | Mn ppm Rate | Fe ppm Rate | Cu ppm Rate | B ppm Rate | SS ms/cm Rate | Cl ppm Rate | Al ppm |
| 79-1 | 5.3 | 8.2 | 41.8 | | 44.0 | | | | | | | | | | |
| 79-2 | 4.5 | 12.7 | 51.7 | | 30.6 | | | | | | | | | | |
| 79-3 | 2.4 | 16.3 | 56.7 | | 25.6 | | | | | | | | | | |
| 79-4 | 4.3 | 13.1 | 57.8 | | 25.0 | | | | | | | | | | |
| 79-5 | 2.8 | 13.0 | 58.3 | | 25.0 | | | | | | | | | | |

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Pauric McGeary*

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