**LAND APPLICATION SITE**

**M H COBURN**

**DWMHC 1 - 15**

**DINWIDDIE COUNTY**

# 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 8/25/16 between M.H. Coburn estate referred to here as "Landowner", and Recyc Systems, 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 Dinwiddie, 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 |
|---|---|---|---|
| TM24 P14 | | | |
| TM24 P15 | | | |
| 37-1 | | | |
| 24-3B | | | |
| | | | |

☐ 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 | ☒ Yes ☐ No |

M.H. Coburn Estate
Kenneth C. Walden JR
EXECUTOR
Landowner – Printed Name, Title

Signature

PO Box 278
Blackstone, VA 23824
Mailing Address & Phone Number

**Permittee:**

Recyc Systems, 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)

Permittee – Authorized Representative
Printed Name

Signature

PO Box 562 Remington, Virginia 22734
Mailing Address

Rev 9/14/2012

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

**Permittee:** Recyc Systems, Inc **County or City:** Dinwiddie

**Landowner:** M H Coburn

### 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).

Mary Coburn Trustee of the Coburn 8/24/16
M.H. Coburn
Landowner's Signature Date

3333 Old Shore Rd. Blackstone, Va. 23824
Farm Operator Signature
George Toth "Bo"
Mailing Address & Phone Number
434-292-9727

Rev 9/14/2012

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

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Recyc Systems, Inc Site Name: M H Coburn

County or City: Dinwiddie County

Please Print Signature not required on this page

| Tax Parcel ID(s) | Landowners (s) |
|---|---|
| | |
| 24-14 | Marion Hays Coburn Estate c/o Kennon C. Walden |
| 37-1 | Marion Hays Coburn Estate c/o Kennon C. Walden |
| 24-15 | Marion Hays Coburn Estate c/o Kennon C. Walden |
| 24-3B | Marion Hays Coburn Estate c/o Kennon C. Walden |
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# FARM DATA SHEET

| | | | |
|---|---|---|---|
| **SITE NAME:** | M. H. Coburn | **COUNTY:** | Dinwiddie |
| **OWNER:** | Marion Hays Coburn Estate c/o Kennon C. Walden Jr. (Executor) | **OPERATOR:** | George "Bo" Toth |
| **OWNER'S ADDRESS:** | P.O. Box 278<br>Blackstone, VA 23824 | **OPERATOR'S ADDRESS:** | 3333 Old Shore Road<br>Blackstone, VA 23824 |
| **OWNER'S TELEPHONE:** | 434-292-5507 | **OPERATOR'S TELEPHONE:** | 434-292-9327 |
| **GENERAL FARM TYPE:** | Pasture/ Row Crop | **CELL PHONE:** | 434-292-9327 |
| **# CATTLE:** | 50 | **EMAIL:** | - |
| **LAGOON or SLURRY:** | None | **LATITUDE:** | 37.126 |
| **TOPO QUAD:** | Blackstone East<br>Wellville | **LONGITUDE:** | -77.886 |
| **COMMENTS:** | | **METHOD OF DETERMINATION:** | Online Maps |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

12-2-19
BB

# NEW FIELD CHANGES

## M H COBURN SITE

## DINWIDDIE COUNTY

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NEW FIELD 1 IS OLD FIELD 1.

NEW FIELD 2 IS PART OF OLD FIELD 2.

NEW FIELD 3 IS OLD FIELD 3.

NEW FIELD 4 IS OLD FIELD 4 AND PART OF OLD FIELD 2.

NEW FIELD 5 IS OLD FIELD 5.

NEW FIELD 6 IS OLD FIELD 6.

NEW FIELD 7 IS OLD FIELD 7.

NEW FIELD 8 IS OLD FIELD 8.

NEW FIELD 9 IS OLD FIELD 9.

NEW FIELD 10 IS OLD FIELD 10.

NEW FIELD 11 IS OLD FIELD 11.

NEW FIELD 12 IS OLD FIELD 12 AND 13.

NEW FIELD 13 IS PART OF OLD FIELD 12 AND ALSO NEW CLEARED LAND.

NEW FIELD 14 IS OLD FIELD 14.

NEW FIELD 15 IS OLD FIELD 15 AND ALSO NEW CLEARED LAND.

# RECYC SYSTEMS, INC
## FIELD DATA SHEET

| Field Identification | DEQ Control ID | Gross Acres | Environmentally Sensitive Soils | | | | Hydro Map | Tax Map # | FSA Tract # | FSA Field # |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Water Table | Bed Rock/ Shallow | Surf/ Leach | Freq Flood | | | | |
| DWMHC 1 | 51053-00260-0000 | 24.3 | - | - | - | - | CL 10 | 24-14<br>24-15 | 5936 | 1, 17 |
| DWMHC 2 | 51053-00267-0000 | 39.6 | 9B Jan.-Apr. | - | - | - | CL 10 | 24-14 | 5936 | 2 |
| DWMHC 3 | 51053-00268-0000 | 38.3 | 9B Jan.-Apr. | - | - | - | CL 10 | 24-14<br>24-15<br>24-3B | 5936 | 3, 4, 7 |
| DWMHC 4 | 51053-00269-0000 | 43.4 | 9B Jan.-Apr. | - | - | - | CL 10 | 24-14<br>24-15 | 5936 | 2 |
| DWMHC 5 | 51053-00270-0000 | 28.1 | - | - | - | - | CL 10 | 24-14<br>24-15<br>37-1 | 5936 | 2 |
| DWMHC 6 | 51053-00271-0000 | 18.4 | 9B Jan.-Apr. | - | - | - | CL 10 | 24-15 | 5936 | 6 |
| DWMHC 7 | 51053-00272-0000 | 12.5 | 9B Jan.-Apr. | - | - | - | CL 10 | 24-15 | 5936 | 9 |
| DWMHC 8 | 51053-00273-0000 | 13.6 | - | - | - | - | CL 10 | 24-15 | 5936 | 8 |
| DWMHC 9 | 51053-00274-0000 | 40.0 | - | - | - | - | CL 10 | 24-15 | 5936 | 9, 15 |
| DWMHC 10 | 51053-00261-0000 | 41.6 | - | - | - | - | CL 10 | 24-15 | 5936 | 10 |

3-2-21

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC 11 | 51053-00262-0000 | 20.0 | - | - | - | - | CL 10 | 24-15 | 5936 | 11 |
| DWMHC 12 | 51053-00263-0000 | 10.9 | 9B Jan.-Apr. | - | - | - | CL 10 | 24-15 | 5936 | 13 |
| DWMHC 13N | 51053-00263-0000 | 6.5 | 9B Jan.-Apr. | - | - | - | CL 10 | 24-15 | 5936 | 16 |
| DWMHC 14 | 51053-00265-0000 | 11.1 | 9B Jan.-Apr. | - | - | - | CL 10 | 24-15 | 5936 | 13 |
| DWMHC 15 | 51053-00266-0000 | 13.0 | 9B Jan.-Apr. | - | - | - | CL 10 | 24-15 | 5936 | 14 |
| TOTAL ACRES IN SITE | | 361.3 | | | | | | | | |

3-2-21

**Report Number:** 19-337-0505
**Account Number:** 70594

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www.waypointanalytical.com

**Send To:** Recyc Systems Inc
Susan Trumbo
8455 Whiteshop Road
Culpepper VA 22701

**Grower:** M H Coburn

# SOIL ANALYSIS REPORT

**Analytical Method(s):** SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

**Date Received:** 12/03/2019 **Date Of Analysis:** 12/04/2019 **Date Of Report:** 12/04/2019

| Sample ID Field ID | Lab Number | OM % Rate | W/V Soil Class | ENR lbs/A | Phosphorus M3 ppm Rate | Phosphorus ppm Rate | Phosphorus ppm Rate | Potassium K ppm Rate | Magnesium Mg ppm Rate | Calcium Ca ppm Rate | Sodium Na ppm Rate | pH Soil pH | pH Buffer Index | Acidity H meq/100g | C.E.C meq/100g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC2A | 21821 | 5.7 H | | 150 | 311 VH | | | 52 VL | 117 M | 1566 VH | | 6.8 | | 0.3 | 9.2 |
| DWMHC2B | 21822 | 5.8 H | | 150 | 350 VH | | | 60 L | 119 M | 1618 H | | 6.7 | 6.89 | 0.4 | 9.6 |
| DWMHC4 | 21824 | 4.9 M | | 136 | 259 VH | | | 49 VL | 131 M | 1464 VH | | 6.9 | | 0.1 | 8.6 |
| DWMHC5A | 21825 | 2.6 M | | 94 | 119 VH | | | 31 VL | 100 H | 856 H | | 6.6 | 6.90 | 0.3 | 5.5 |
| DWMHC5B | 21826 | 2.8 M | | 97 | 136 VH | | | 37 VL | 112 H | 921 H | | 6.6 | 6.89 | 0.4 | 6.0 |

| Sample ID Field ID | Percent Base Saturation K % | Mg % | Ca % | Na % | H % | Nitrate $NO_3$ N ppm Rate | Sulfur S ppm Rate | Zinc Zn ppm Rate | Manganese Mn ppm Rate | Iron Fe ppm Rate | Copper Cu ppm Rate | Boron B ppm Rate | Soluble Salts SS ms/cm Rate | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC2A | 1.4 | 10.6 | 85.1 | | 3.3 | | | 14.2 VH | 8 L | | | | | | |
| DWMHC2B | 1.6 | 10.3 | 84.3 | | 4.2 | | | 15.9 VH | 9 L | | | | | | |
| DWMHC4 | 1.5 | 12.7 | 85.1 | | 1.2 | | | 10.9 VH | 13 M | | | | | | |
| DWMHC5A | 1.4 | 15.2 | 77.8 | | 5.5 | | | 5.2 H | 53 VH | | | | | | |
| DWMHC5B | 1.6 | 15.6 | 76.8 | | 6.7 | | | 6.4 H | 54 VH | | | | | | |

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 McGroary

Pauric McGroary

**Report Number:** 19-337-0505
**Account Number:** 70594

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**Send To:** Recyc Systems Inc
Susan Trumbo
8455 Whiteshop Road
Culpepper VA 22701

**Grower:** M H Coburn

**Date Received:** 12/03/2019
**Date Of Report:** 12/04/2019

## SOIL FERTILITY RECOMMENDATIONS

| Sample ID Field ID | Intended Crop | Yield Goal | Lime Tons/A | Nitrogen N lb/A | Phosphate $P_2O_5$ lb/A | Potash $K_2O$ lb/A | Magnesium Mg lb/A | Sulfur S lb/A | Zinc Zn lb/A | Manganese Mn lb/A | Iron Fe lb/A | Copper Cu lb/A | Boron B lb/A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC2A | Adjust pH to 6.8 | 0 | 0.0 | | | | 0 | | | 3 | | | |
| DWMHC2B | Adjust pH to 6.8 | 0 | 1.0 | | | | 0 | | | 3 | | | |
| DWMHC4 | Adjust pH to 6.8 | 0 | 0.0 | | | | 0 | | | 2 | | | |
| DWMHC5A | Adjust pH to 6.8 | 0 | 1.0 | | | | 0 | | | 0 | | | |
| DWMHC5B | Adjust pH to 6.8 | 0 | 1.0 | | | | 0 | | | 0 | | | |

**Comments:**
"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

Pauric McGroary

**Report Number:** 19-337-0505
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**Grower:** M H Coburn

## SOIL ANALYSIS REPORT

**Analytical Method(s):** SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

**Date Received:** 12/03/2019 **Date Of Analysis:** 12/04/2019 **Date Of Report:** 12/04/2019

| Sample ID Field ID | Lab Number | OM % Rate | W/V Soil Class | ENR lbs/A | Phosphorus M3 ppm Rate | Phosphorus ppm Rate | Phosphorus ppm Rate | Potassium K ppm Rate | Magnesium Mg ppm Rate | Calcium Ca ppm Rate | Sodium Na ppm Rate | pH Soil pH | pH Buffer Index | Acidity H meq/100g | C.E.C meq/100g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC6 | 21827 | 4.1 M | | 123 | 215 VH | | | 156 VH | 126 H | 953 H | | 6.6 | 6.89 | 0.4 | 6.6 |

| Sample ID Field ID | Percent Base Saturation K % | Mg % | Ca % | Na % | H % | Nitrate $NO_3$ N ppm Rate | Sulfur S ppm Rate | Zinc Zn ppm Rate | Manganese Mn ppm Rate | Iron Fe ppm Rate | Copper Cu ppm Rate | Boron B ppm Rate | Soluble Salts SS ms/cm Rate | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC6 | 6.1 | 15.9 | 72.2 | | 6.1 | | | 8.8 VH | 11 M | | | | | | |

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 McGroary

Pauric McGroary

**Date Received:** 12/03/2019
**Date Of Report:** 12/04/2019

## SOIL FERTILITY RECOMMENDATIONS

| Sample ID Field ID | Intended Crop | Yield Goal | Lime Tons/A | Nitrogen N lb/A | Phosphate $P_2O_5$ lb/A | Potash $K_2O$ lb/A | Magnesium Mg lb/A | Sulfur S lb/A | Zinc Zn lb/A | Manganese Mn lb/A | Iron Fe lb/A | Copper Cu lb/A | Boron B lb/A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC6 | Adjust pH to 6.8 | 0 | 1.0 | | | | 0 | | | 2 | | | |

**Comments:**

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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**Report Number:** 19-190-0503
**Account Number:** 70594

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8455 Whiteshop Road
Culpepper VA 22701

**Grower:** M H Coburn
Dinwiddie

## SOIL ANALYSIS REPORT

**Analytical Method(s):** SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

**Date Received:** 07/09/2019 **Date Of Analysis:** 07/10/2019 **Date Of Report:** 07/10/2019

| Sample ID Field ID | Lab Number | OM % Rate | W/V Soil Class | ENR lbs/A | Phosphorus M3 ppm | Rate | Phosphorus ppm | Rate | Phosphorus ppm | Rate | Potassium K ppm | Rate | Magnesium Mg ppm | Rate | Calcium Ca ppm | Rate | Sodium Na ppm | Rate | pH Soil pH | pH Buffer Index | Acidity H meq/100g | C.E.C meq/100g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC-9 | 23113 | 2.7 M | | 94 | 127 | VH | | | | | 130 | H | 116 | M | 912 | M | | | 6.1 | 6.84 | 0.9 | 6.8 |

| Sample ID Field ID | Percent Base Saturation K % | Mg % | Ca % | Na % | H % | Nitrate $NO_3$ N ppm | Rate | Sulfur S ppm | Rate | Zinc Zn ppm | Rate | Manganese Mn ppm | Rate | Iron Fe ppm | Rate | Copper Cu ppm | Rate | Boron B ppm | Rate | Soluble Salts SS ms/cm | Rate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC-9 | 4.9 | 14.2 | 67.1 | | 13.2 | | | | | 6.5 | H | 17 | M | | | | | | | | |

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 McGroary

Pauric McGroary

**Date Received:** 07/09/2019
**Date Of Report:** 07/10/2019

## SOIL FERTILITY RECOMMENDATIONS

| Sample ID Field ID | Intended Crop | Yield Goal | Lime Tons/A | Nitrogen N lb/A | Phosphate $P_2O_5$ lb/A | Potash $K_2O$ lb/A | Magnesium Mg lb/A | Sulfur S lb/A | Zinc Zn lb/A | Manganese Mn lb/A | Iron Fe lb/A | Copper Cu lb/A | Boron B lb/A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC-9 | Adjust pH to 6.8 | 0 | 1.3 | | | | 0 | | | 2 | | | |

**Comments:**

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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**Report Number:** 19-071-1025
**Account Number:** 70594

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**Send To:** Recyc Systems Inc
Susan Trumbo
8455 Whiteshop Road
Culpepper VA 22701

**Grower:** MH Coburn
Dinwiddie

# SOIL ANALYSIS REPORT

**Analytical Method(s):** SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

**Date Received:** 03/12/2019 **Date Of Analysis:** 03/13/2019 **Date Of Report:** 03/13/2019

| Sample ID Field ID | Lab Number | OM % Rate | W/V Soil Class | ENR lbs/A | Phosphorus M3 ppm Rate | Phosphorus ppm Rate | Phosphorus ppm Rate | Potassium K ppm Rate | Magnesium Mg ppm Rate | Calcium Ca ppm Rate | Sodium Na ppm Rate | pH Soil pH | pH Buffer Index | Acidity H meq/100g | C.E.C meq/100g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC-10A | 03814 | 1.8 L | | 81 | 90 H | 96 | 59 | 57 L | 40 L | 536 H | | 6.1 | 6.88 | 0.5 | 3.7 |
| DWMHC-10B | 03815 | 1.8 L | | 80 | 102 VH | | | 61 L | 45 L | 589 H | | 6.1 | 6.87 | 0.6 | 4.1 |

| Sample ID Field ID | Percent Base Saturation K % | Mg % | Ca % | Na % | H % | Nitrate $NO_3$ N ppm Rate | Sulfur S ppm Rate | Zinc Zn ppm Rate | Manganese Mn ppm Rate | Iron Fe ppm Rate | Copper Cu ppm Rate | Boron B ppm Rate | Soluble Salts SS ms/cm Rate | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC-10A | 4.0 | 9.0 | 72.4 | | 13.5 | | | | | | | | | | |
| DWMHC-10B | 3.8 | 9.1 | 71.8 | | 14.6 | | | | | | | | | | |

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 McGroary

Pauric McGroary

**Report Number:** 19-071-1025
**Account Number:** 70594

Waypoint ANALYTICAL

*"Every acre...Every year."™*

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

**Send To:** Recyc Systems Inc
Susan Trumbo
8455 Whiteshop Road
Culpepper VA 22701

**Grower:** MH Coburn
Dinwiddie

**Date Received:** 03/12/2019
**Date Of Report:** 03/13/2019

## SOIL FERTILITY RECOMMENDATIONS

| Sample ID Field ID | Intended Crop | Yield Goal | Lime Tons/A | Nitrogen N lb/A | Phosphate $P_2O_5$ lb/A | Potash $K_2O$ lb/A | Magnesium Mg lb/A | Sulfur S lb/A | Zinc Zn lb/A | Manganese Mn lb/A | Iron Fe lb/A | Copper Cu lb/A | Boron B lb/A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC-10A | Adjust pH to 6.8 | 0 | 1.3 | | | | 15 | | | | | | |
| DWMHC-10B | Adjust pH to 6.8 | 0 | 1.3 | | | | 14 | | | | | | |

**Comments:**

**Sample(s) : DWMHC-10B Crop: Adjust pH to 6.8**

Apply dolomitic lime to raise pH and improve the magnesium level.

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

Pauric McGroary

**Report Number:** 18-137-0502
**Account Number:** 70594

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Susan Trumbo
8455 Whiteshop Road
Culpepper VA 22701

**Grower:** MH Coburn
Dinwiddie

# SOIL ANALYSIS REPORT

**Analytical Method(s):** SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

**Date Received:** 05/17/2018 **Date Of Analysis:** 05/18/2018 **Date Of Report:** 05/18/2018

| Sample ID Field ID | Lab Number | OM % Rate | W/V Soil Class | ENR lbs/A | Phosphorus M3 ppm | Rate | Phosphorus ppm | Rate | Phosphorus ppm | Rate | Potassium K ppm | Rate | Magnesium Mg ppm | Rate | Calcium Ca ppm | Rate | Sodium Na ppm | Rate | pH Soil pH | pH Buffer Index | Acidity H meq/100g | C.E.C meq/100g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC-11 | 02772 | 1.2 | | 68 | 118 | VH | | | | | 31 | VL | 71 | M | 694 | H | | | 6.6 | 6.90 | 0.3 | 4.4 |
| | | L | | | | | | | | | | | | | | | | | | | | |

| Sample ID Field ID | Percent Base Saturation K % | Mg % | Ca % | Na % | H % | Nitrate $NO_3$ N ppm | Rate | Sulfur S ppm | Rate | Zinc Zn ppm | Rate | Manganese Mn ppm | Rate | Iron Fe ppm | Rate | Copper Cu ppm | Rate | Boron B ppm | Rate | Soluble Salts SS ms/cm | Rate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC-11 | 1.8 | 13.4 | 78.9 | | 6.8 | | | | | 1.8 | L | 15 | M | | | | | | | | |

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 McGroary

Pauric McGroary

**Date Received:** 05/17/2018
**Date Of Report:** 05/18/2018

# SOIL FERTILITY RECOMMENDATIONS

| Sample ID Field ID | Intended Crop | Yield Goal | Lime Tons/A | Nitrogen N lb/A | Phosphate $P_2O_5$ lb/A | Potash $K_2O$ lb/A | Magnesium Mg lb/A | Sulfur S lb/A | Zinc Zn lb/A | Manganese Mn lb/A | Iron Fe lb/A | Copper Cu lb/A | Boron B lb/A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DWMHC-11 | Adjust pH to 6.8 | 0 | 1.0 | | | | 0 | | | 2 | | | |

**Comments:**

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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**THE PLANNER IS NOT STATE CERTIFIED**

# *Nutrient Management Plan Balance Sheet*
## *(Spring, 2020-Summer, 2022)*
## *M H Coburn*
## *Planner: John Doe*

**Tract: 5936** **Location: Dinwiddie**
**(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)**

| Field CFSA No. /Name | Size (ac) Total/ Used | Yr. | Crop | Needs N-P-K (lbs/ac) | Leg /Man Resid | Manure/Biosld Rate & Type (season) | IT (d) | Man/Bios N-P-K (lbs/ac) | Net = Needs - appld N-P-K (lbs/ac) | Sum P rem cred | Commercial N-P-K (lbs/ac) | Notes | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1, 17/DWMHC 1(N) | 24/24 | 2020 | Wheat (grain) | 100-60-60 | 0/0 | | | | 100-60-60 | N/A | | | |
| 2/DWMHC 2(N) | 40/40 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |
| 3, 4, 7/DWMHC 3(N) | 38/38 | 2020 | Wheat (grain) | 100-60-60 | 0/0 | | | | 100-60-60 | N/A | | | |
| 2/DWMHC 4(N) | 43/43 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |
| 2/DWMHC 5(N) | 28/28 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |
| 6/DWMHC 6(N) | 18/18 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |
| 9/DWMHC 7(N) | 13/13 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |
| 8/DWMHC 8(N) | 14/14 | 2020 | Wheat (grain) | 100-60-60 | 0/0 | | | | 100-60-60 | N/A | | | |
| 9, 15/DWMHC 9(N) | 40/40 | 2020 | Grass Pasture | 50-30-40 | 0/0 | | | | 50-30-40 | N/A | | | |
| 10/DWMHC 10(N) | 42/42 | 2020 | Wheat (grain) | 100-60-60 | 0/0 | | | | 100-60-60 | N/A | | | |
| 11/DWMHC 11(N) | 20/20 | 2020 | Wheat (grain) | 100-60-60 | 0/0 | | | | 100-60-60 | N/A | | | |
| 13/DWMHC 12(N) | 11/11 | 2020 | Wheat (grain) | 100-60-60 | 0/0 | | | | 100-60-60 | N/A | | | |
| 16/DWMHC 13(N) | 7/7 | 2020 | Wheat (grain) | 100-60-60 | 0/0 | | | | 100-60-60 | N/A | | | |
| 13/DWMHC 14(N) | 11/11 | 2020 | Corn (grain) | 120-60-60 | 20/0 | | | | 100-60-60 | N/A | | | |
| 14/DWMHC 15(N) | 13/13 | 2020 | Wheat (grain) | 100-60-60 | 0/0 | | | | 100-60-60 | N/A | | | |

**Commercial Application Methods:**
**br - Broadcast ba - Banded sd - Sidedress**
***Notes:***

## ***Soil Test Summary***

| Tract | Field | Acre | Date | P2O5 | K2O | Lab | Soil pH | Lime Date | rec. lime tons/Ac |
|---|---|---|---|---|---|---|---|---|---|
| 5936 | DWMHC 1 | 24 | [No Test] | | | | | | |
| 5936 | DWMHC 2 | 40 | [No Test] | | | | | | |
| 5936 | DWMHC 3 | 38 | [No Test] | | | | | | |
| 5936 | DWMHC 4 | 43 | [No Test] | | | | | | |
| 5936 | DWMHC 5 | 28 | [No Test] | | | | | | |
| 5936 | DWMHC 6 | 18 | [No Test] | | | | | | |
| 5936 | DWMHC 7 | 13 | [No Test] | | | | | | |
| 5936 | DWMHC 8 | 14 | [No Test] | | | | | | |
| 5936 | DWMHC 9 | 40 | [No Test] | | | | | | |
| 5936 | DWMHC 10 | 42 | [No Test] | | | | | | |
| 5936 | DWMHC 11 | 20 | [No Test] | | | | | | |
| 5936 | DWMHC 12 | 11 | [No Test] | | | | | | |
| 5936 | DWMHC 13 | 7 | [No Test] | | | | | | |
| 5936 | DWMHC 14 | 11 | [No Test] | | | | | | |
| 5936 | DWMHC 15 | 13 | [No Test] | | | | | | |

## *Field Productivities for Major Crops*

| Tract Name | Tract/ Field | Field Name | Acres | Predominant Soil Series | Corn | Small Grain | Alfalfa | Grass Hay | Environmental Warnings |
|---|---|---|---|---|---|---|---|---|---|
| 5936 | 5936/1, 17 | DWMHC 1 | 24 | Appling | IVa | II | III | III | |
| | 5936/2 | DWMHC 2 | 40 | Appling | IVa | III | III | III | |
| | 5936/3, 4, 7 | DWMHC 3 | 38 | Appling | IVa | III | III | III | |
| | 5936/2 | DWMHC 4 | 43 | Appling | IVa | III | III | III | |
| | 5936/2 | DWMHC 5 | 28 | Appling | IVa | II | III | III | |
| | 5936/6 | DWMHC 6 | 18 | Appling | IVb | III | III | III | |
| | 5936/9 | DWMHC 7 | 13 | Appling | IVb | III | III | III | |
| | 5936/8 | DWMHC 8 | 14 | Appling | IVa | II | III | III | |
| | 5936/9, 15 | DWMHC 9 | 40 | Appling | IVa | II | III | III | |
| | 5936/10 | DWMHC 10 | 42 | Appling | IVa | II | III | III | |
| | 5936/11 | DWMHC 11 | 20 | Appling | IVa | II | III | III | |
| | 5936/13 | DWMHC 12 | 11 | Appling | IVa | III | III | III | |
| | 5936/16 | DWMHC 13 | 7 | Helena | IVb | IV | Not Suited | IV | |
| | 5936/13 | DWMHC 14 | 11 | Appling | IVa | II | III | III | |
| | 5936/14 | DWMHC 15 | 13 | Appling | IVa | III | III | III | |

## *Yield Range*

| Field Productivity Group | Corn Grain Bu/Acre | Barley/Intensive Wheat Bu/Acre | Std. Wheat Bu/Acre | Alfalfa Tons/Acre | Grass/Hay Tons/Acre |
|---|---|---|---|---|---|
| I | >170 | >80 | >64 | >6 | >4.0 |
| II | 150-170 | 70-80 | 56-64 | 4-6 | 3.5-4.0 |
| III | 130-150 | 60-70 | 48-56 | <4 | 3.0-3.5 |
| IV | 100-130 | 50-60 | 40-48 | NA | <3.0 |
| V | <100 | <50 | <40 | NA | NA |

# Farm Summary Report

**Plan:** **New Plan** **Spring, 2020 - Summer, 2022**

**Farm Name:** **M H Coburn**
Location: Dinwiddie
Specialist: John Doe
N-based Acres: 361.3
P-based Acres: 0.0

**Tract Name:** **5936**
FSA Number: 5936
Location: Dinwiddie

**Field Name:** **DWMHC 1**
Total Acres: 24.30 Usable Acres: 24.30
FSA Number: 1, 17
Tract: 5936
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 74 | 2B | Appling |
| 15 | 4B | Cecil |
| 11 | 4C | Cecil |

***Field Warnings:***

**Field Name:** **DWMHC 2**
Total Acres: 39.60 Usable Acres: 39.60
FSA Number: 2
Tract: 5936
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

***Conservation Practices:***
Pasture (>75% cover)

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 34 | 4C | Cecil |
| 18 | 9B | Helena |
| 3 | 2C | Appling |
| 46 | 2B | Appling |

***Field Warnings:***

**Field Name:** **DWMHC 3**
Total Acres: 38.30 Usable Acres: 38.30
FSA Number: 3, 4, 7
Tract: 5936
Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 49 | 2B | Appling |
| 7 | 2C | Appling |
| 33 | 4B | Cecil |
| 12 | 9B | Helena |

***Field Warnings:***

**Field Name: DWMHC 4**
Total Acres: 43.40 Usable Acres: 43.40
FSA Number: 2
Tract: 5936
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

***Conservation Practices:***
Pasture (>75% cover)

*P-Index Summary*
N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 13 | 9B | Helena |
| 13 | 4B | Cecil |
| 25 | 2C | Appling |
| 50 | 2B | Appling |

***Field Warnings:***

**Field Name:** **DWMHC 5**
Total Acres: 28.10 Usable Acres: 28.10
FSA Number: 2
Tract: 5936
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

***Conservation Practices:***
Pasture (>75% cover)

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 65 | 2B | Appling |
| 35 | 2C | Appling |

***Field Warnings:***

**Field Name:** **DWMHC 6**
Total Acres: 18.40 Usable Acres: 18.40
FSA Number: 6
Tract: 5936
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

***Conservation Practices:***
Pasture (>75% cover)

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 43 | 2B | Appling |
| 26 | 2C | Appling |
| 31 | 9B | Helena |

***Field Warnings:***

**Field Name:** **DWMHC 7**
Total Acres: 12.50 Usable Acres: 12.50
FSA Number: 9

Tract: 5936
Location: Dinwiddie
Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

***Conservation Practices:***
Pasture (>75% cover)

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 20 | 9B | Helena |
| 17 | 4B | Cecil |
| 61 | 2C | Appling |
| 2 | 2B | Appling |

***Field Warnings:***

**Field Name: DWMHC 8**
Total Acres: 13.60 Usable Acres: 13.60
FSA Number: 8
Tract: 5936
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 57 | 2B | Appling |
| 20 | 2C | Appling |
| 23 | 4B | Cecil |

***Field Warnings:***

**Field Name:** **DWMHC 9**
Total Acres: 40.00 Usable Acres: 40.00
FSA Number: 9, 15
Tract: 5936
Location: Dinwiddie
Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

***Conservation Practices:***
Pasture (>75% cover)

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 16 | 2B | Appling |
| 81 | 2C | Appling |
| 3 | 4C | Cecil |

***Field Warnings:***

**Field Name:** **DWMHC 10**
Total Acres: 41.60 Usable Acres: 41.60
FSA Number: 10
Tract: 5936
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 59 | 2B | Appling |
| 26 | 2C | Appling |
| 15 | 4C | Cecil |

***Field Warnings:***

**Field Name:** **DWMHC 11**
Total Acres: 20.00 Usable Acres: 20.00
FSA Number: 11
Tract: 5936

Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 97 | 2B | Appling |
| 3 | 2C | Appling |

***Field Warnings:***

**Field Name: DWMHC 12**
Total Acres: 10.90 Usable Acres: 10.90
FSA Number: 13
Tract: 5936
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|

[NO TEST]

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 65 | 2B | Appling |
| 15 | 2C | Appling |
| 20 | 9B | Helena |

***Field Warnings:***

**Field Name: DWMHC 13**
Total Acres: 6.50 Usable Acres: 6.50
FSA Number: 16
Tract: 5936
Location: Dinwiddie
Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft
Distance to stream: 0 ft

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 70 | 9B | Helena |
| 30 | 2B | Appling |

***Field Warnings:***

**Field Name: DWMHC 14**
Total Acres: 11.10 Usable Acres: 11.10

FSA Number: 13
Tract: 5936
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 92 | 2B | Appling |
| 6 | 2C | Appling |
| 2 | 9B | Helena |

***Field Warnings:***

**Field Name: DWMHC 15**
Total Acres: 13.00 Usable Acres: 13.00
FSA Number: 14
Tract: 5936
Location: Dinwiddie
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

*P-Index Summary*
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

***Soil Test Results:***

| DATE | PH | P | K | Lab |
|---|---|---|---|---|
| [NO TEST] | | | | |

***Soils:***

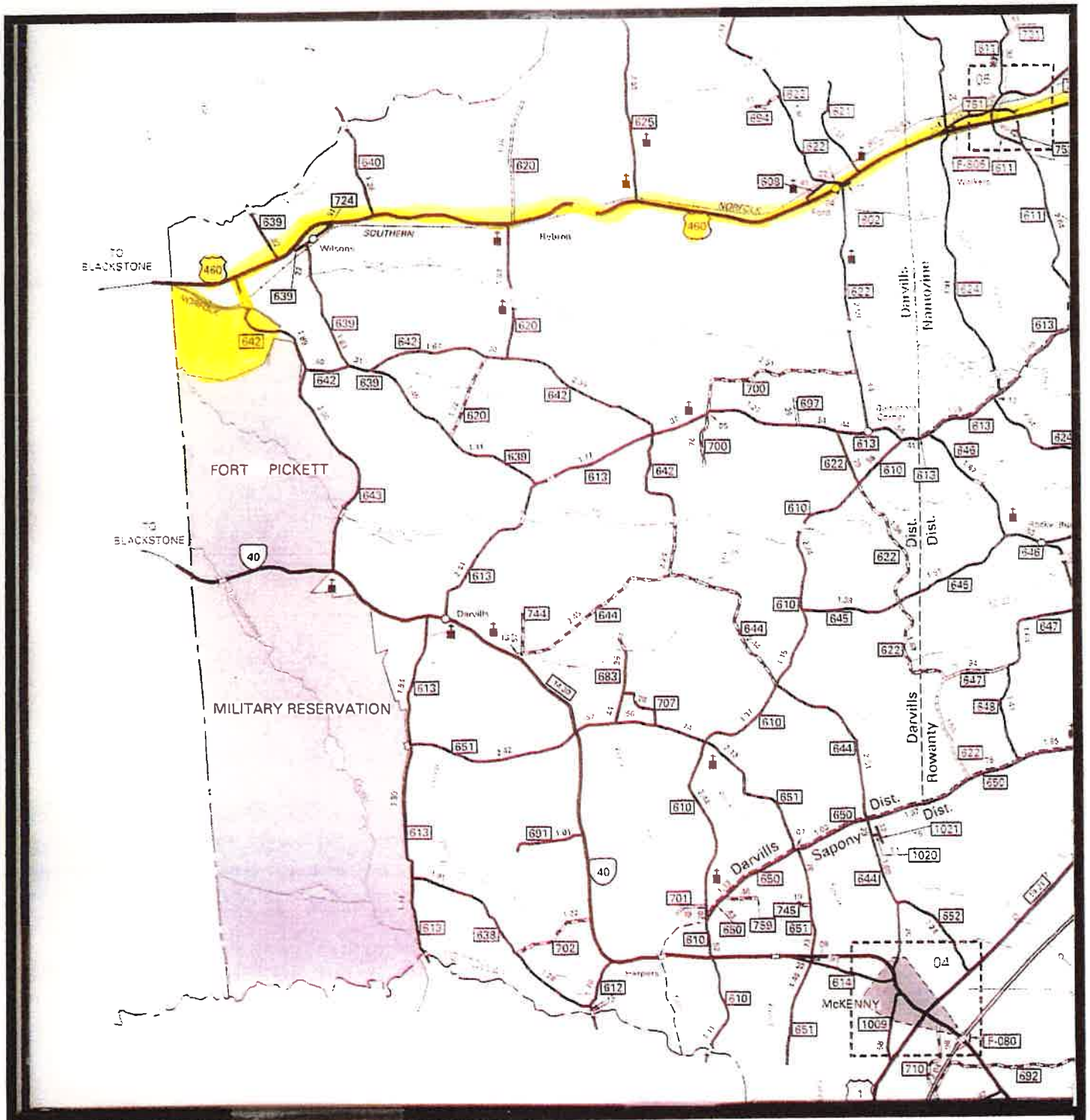
| PERCENT | SYMBOL | SOIL SERIES |
|---|---|---|
| 23 | 9B | Helena |
| 77 | 2B | Appling |

***Field Warnings:***

# MAPS

# Recyc Systems Inc.™

## (Biosolids Land Application)




**Scale:** 1 inch = 2 miles

DWMHC 1-15

12-2-19

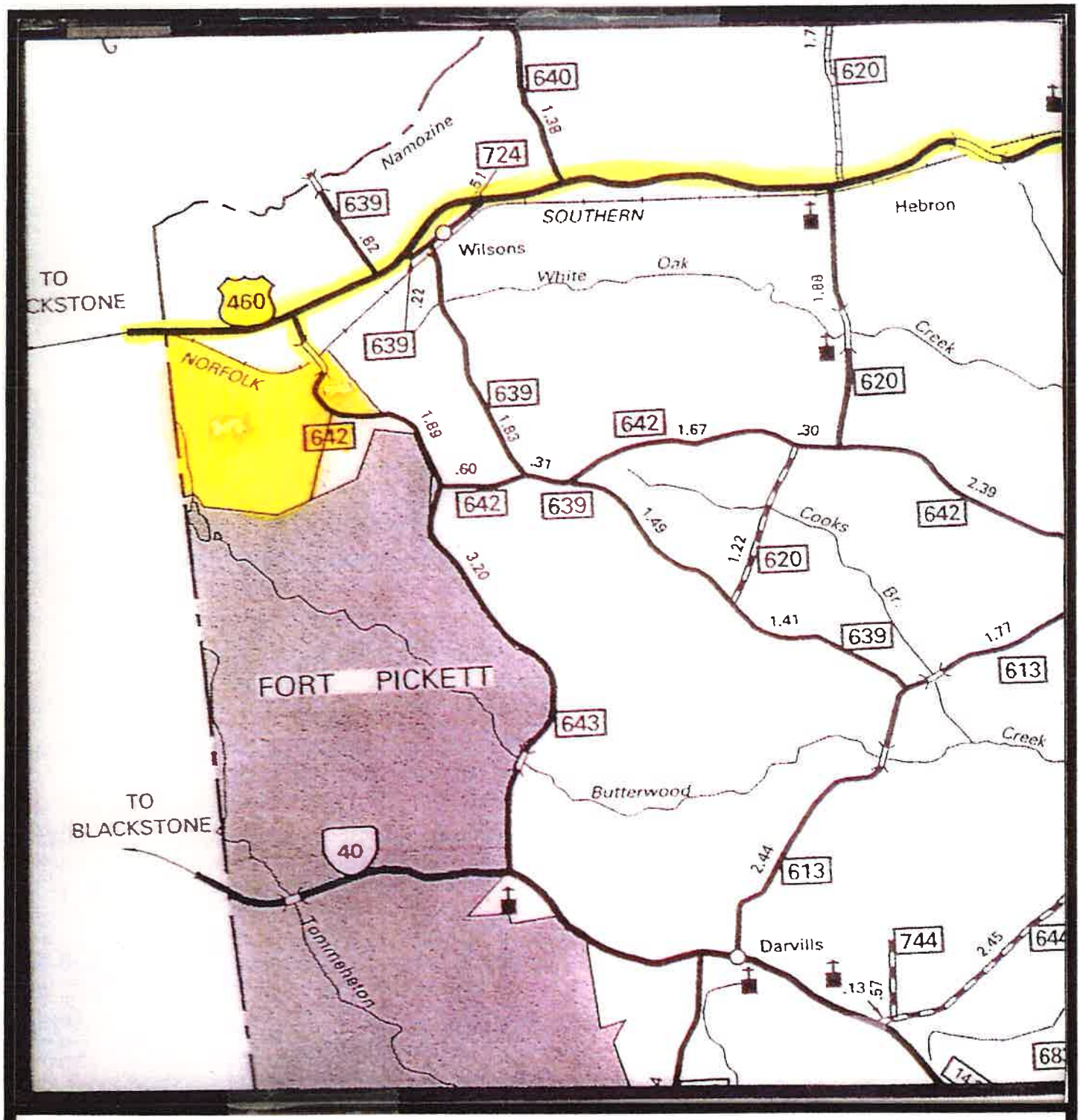
## VICINITY MAP

N

Truck Route marked in Yellow

# Recyc Systems™ Inc.

(Biosolids Land Application)




**Scale:** 1 inch = 1 mile

DWMHC 1-15

12-2-19

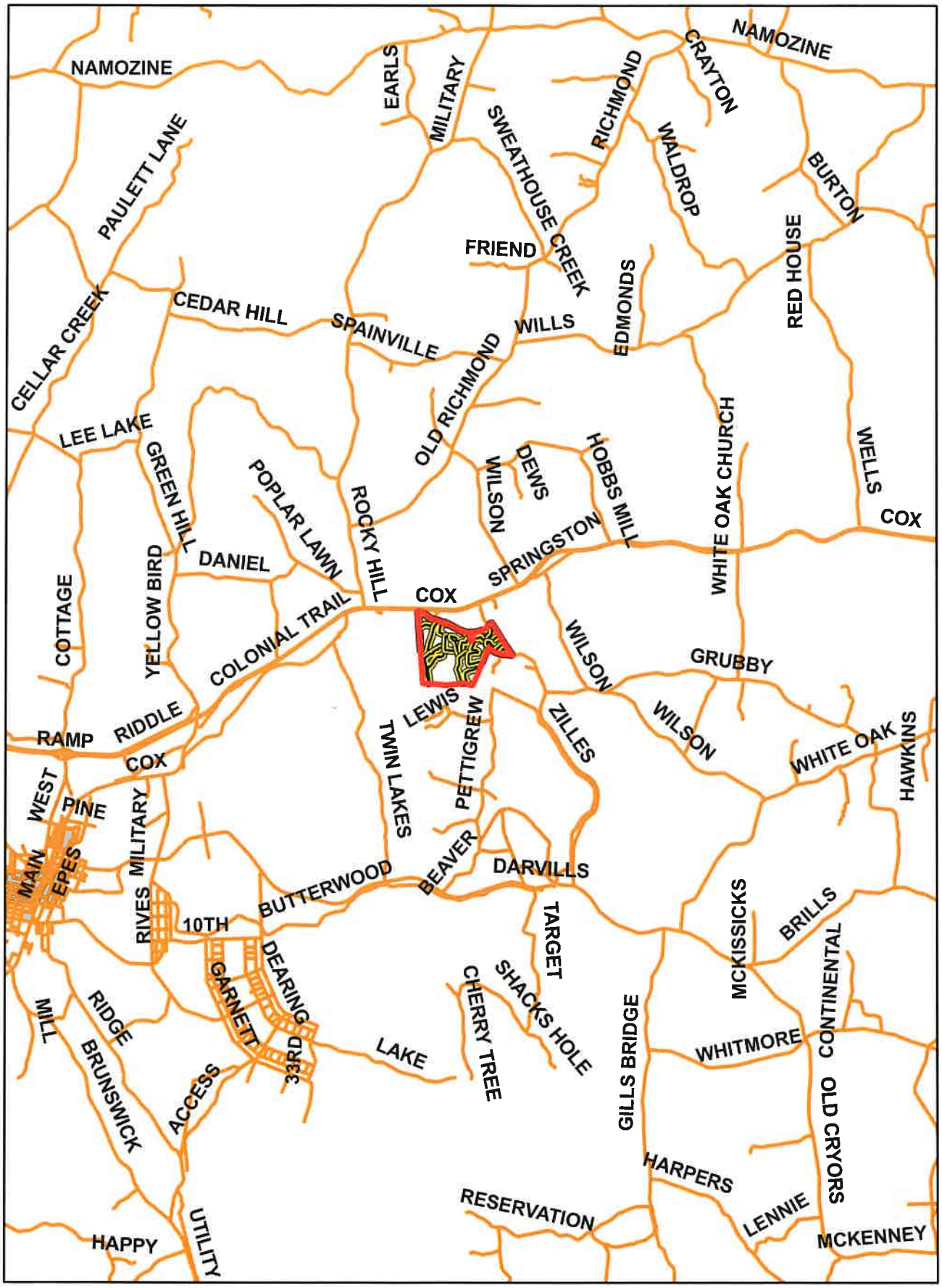
## VICINITY MAP

Truck Route marked in Yellow

N

Recyc Systems Inc.

M. H. Coburn DWMHC




12-2-19

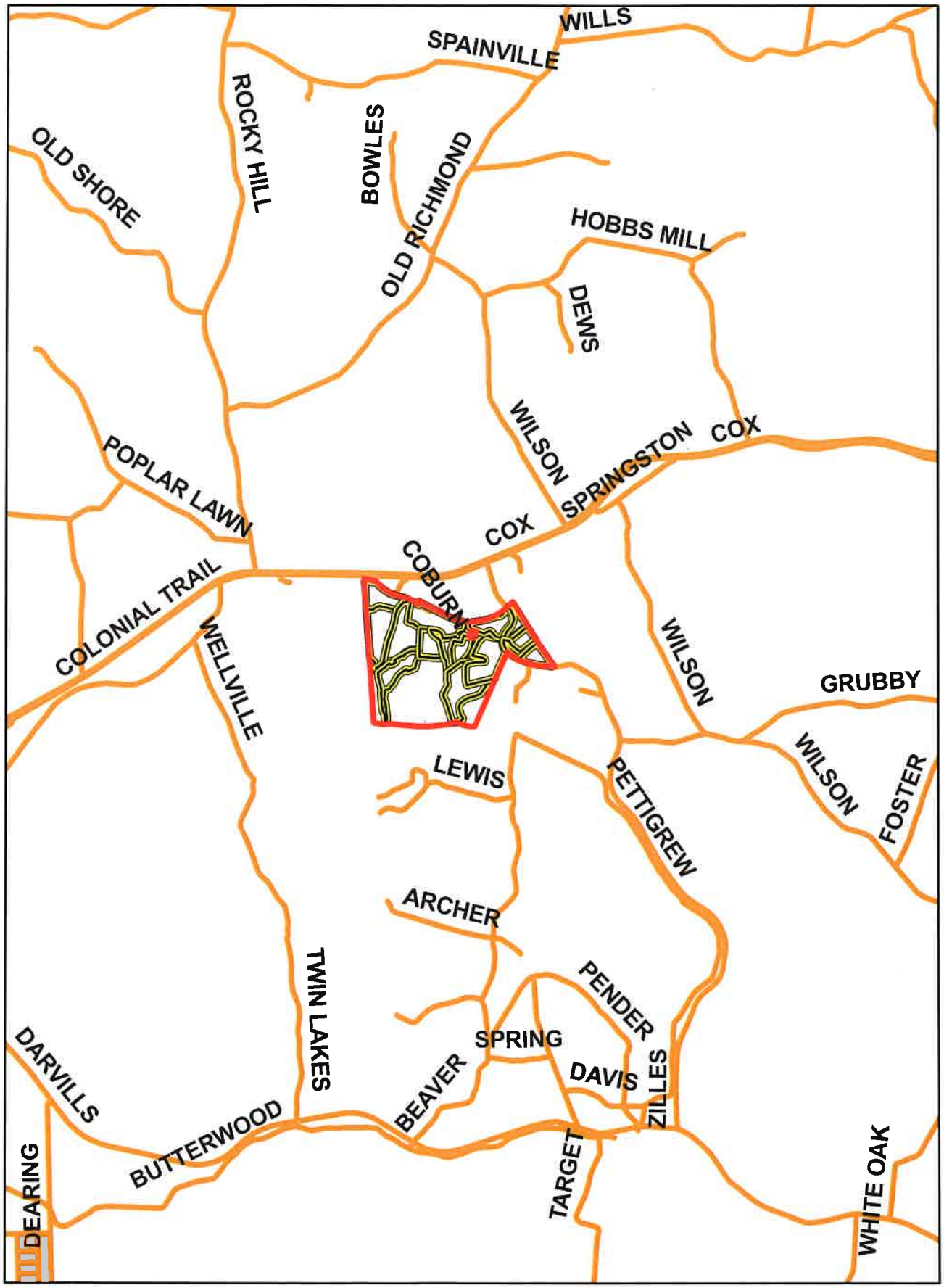
N

# Vicinity Map

1 in = 2 miles

Recyc Systems Inc.

M. H. Coburn DWMHC




12-2-19

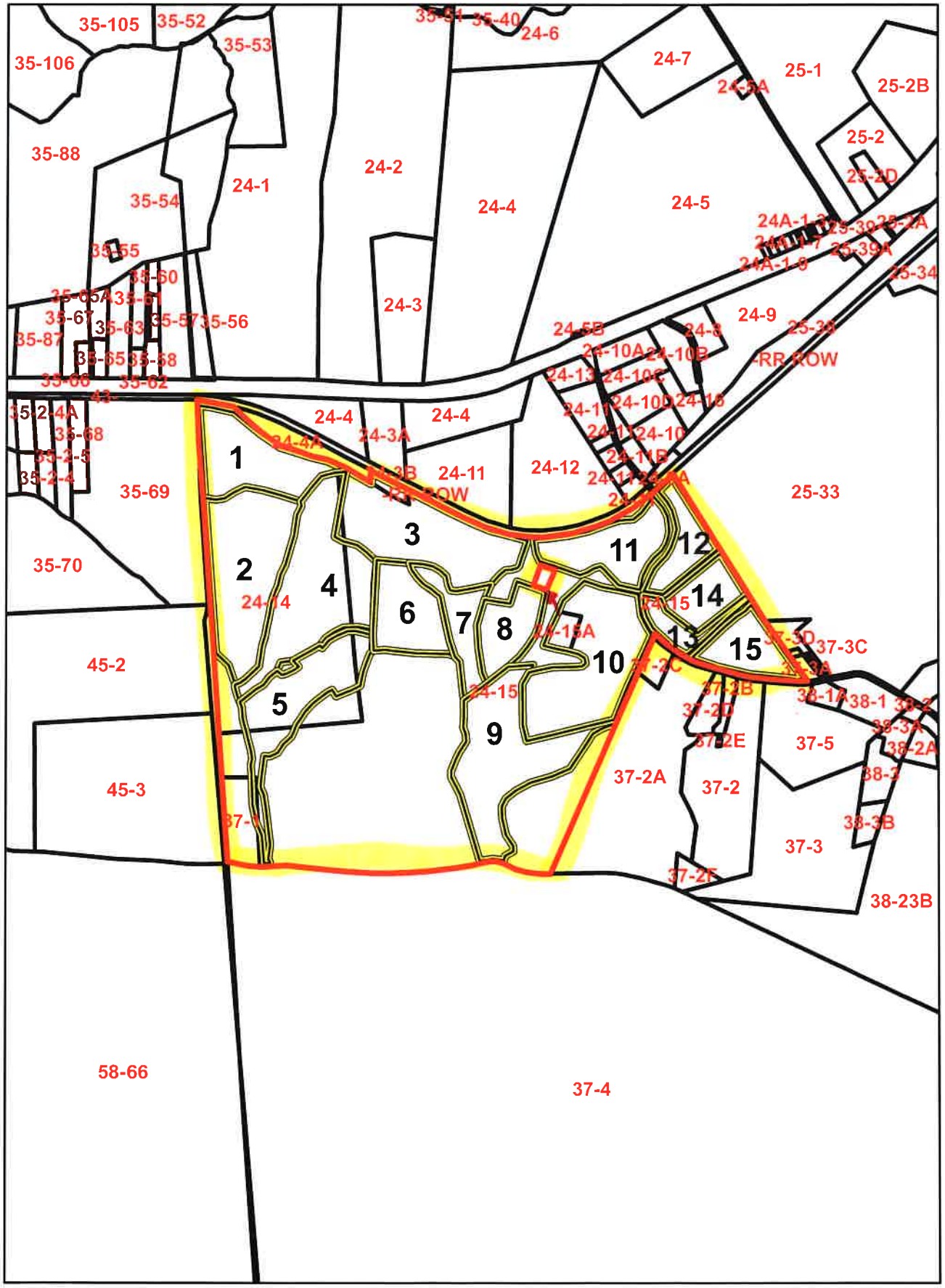
N

Vicinity Map

1 in = 1 miles

Recyc Systems Inc.

M. H. Coburn DWMHC




12-2-19

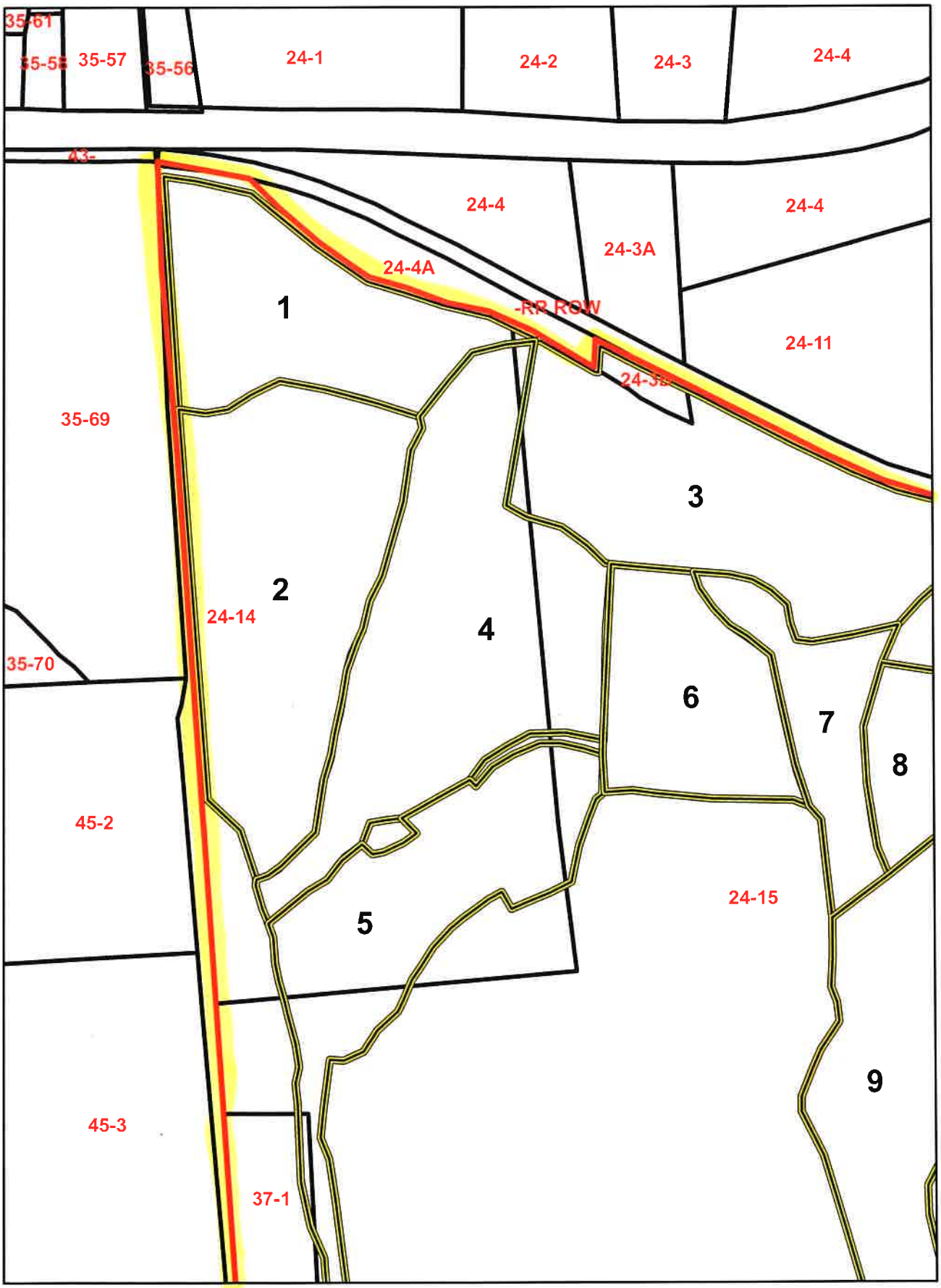
N

Tax Map

1 in = 1,667 feet

Recyc Systems Inc.

M. H. Coburn DWMHC




12-2-19

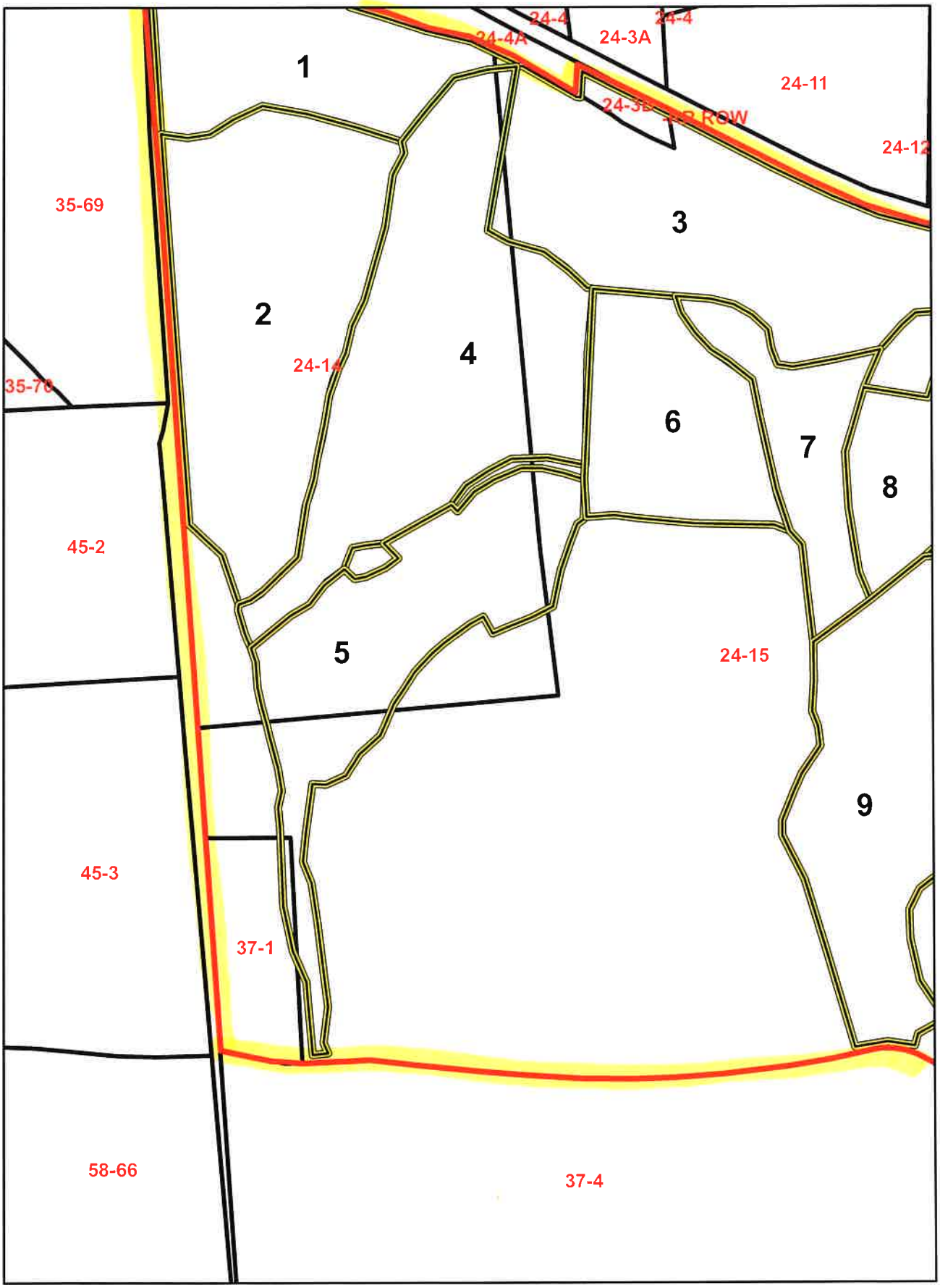
N

Tax Map

1 in = 660 feet

Recyc Systems Inc.

M. H. Coburn DWMHC




N

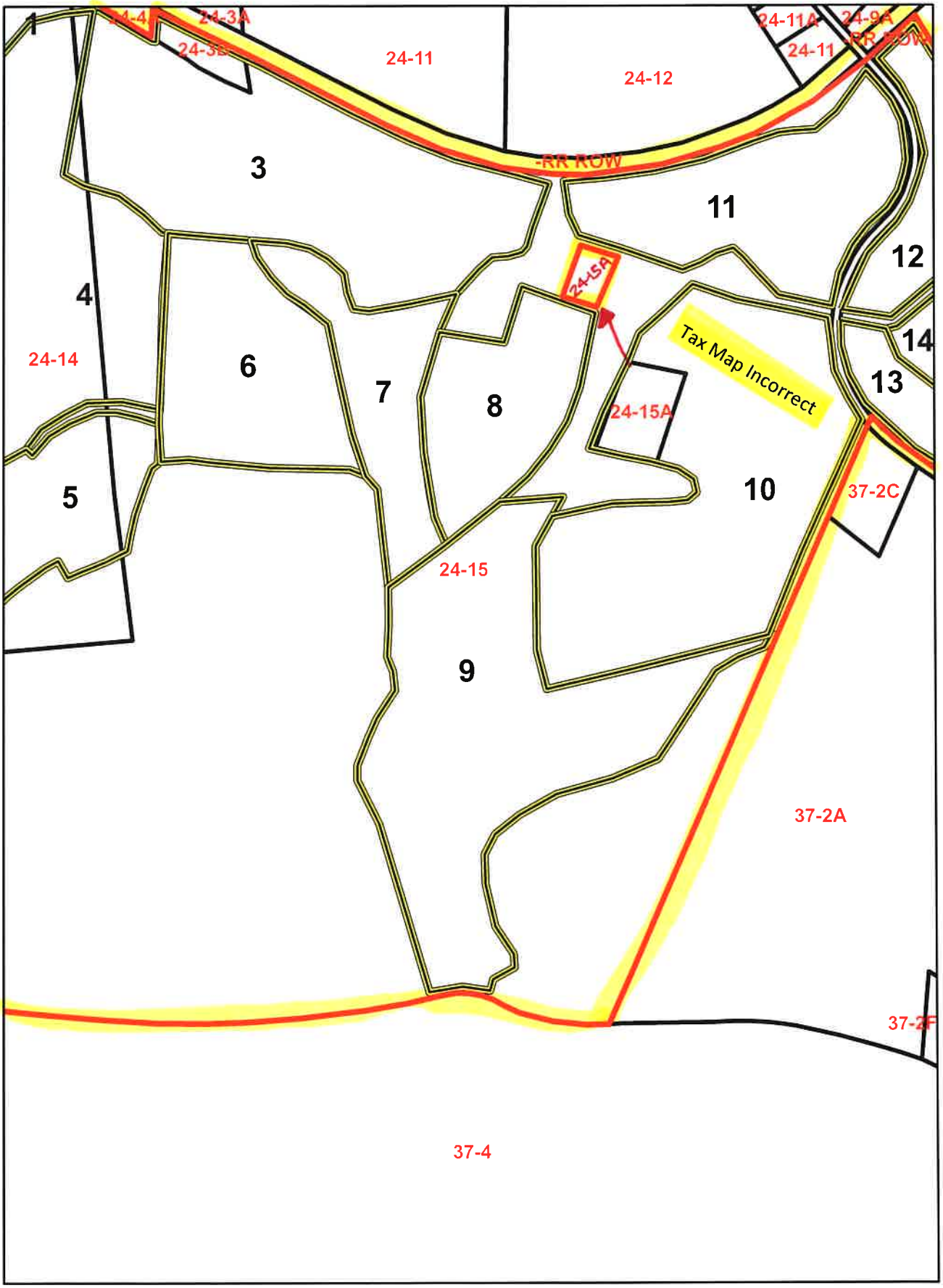
12-2-19

Tax Map

1 in = 660 feet

Recyc Systems Inc.

M. H. Coburn DWMHC




N

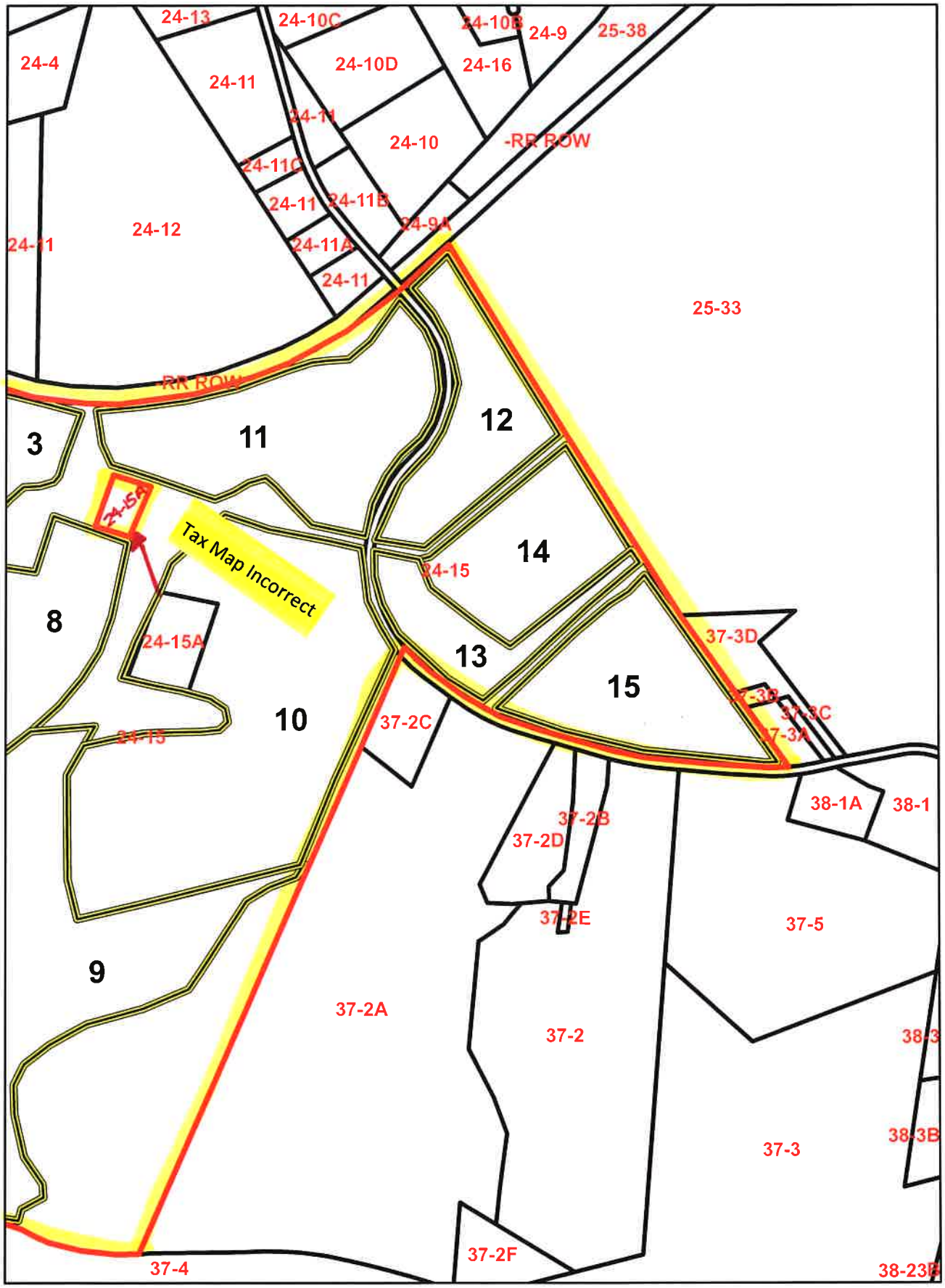
12-2-19

Tax Map

1 in = 660 feet

Recyc Systems Inc.

M. H. Coburn DWMHC




N

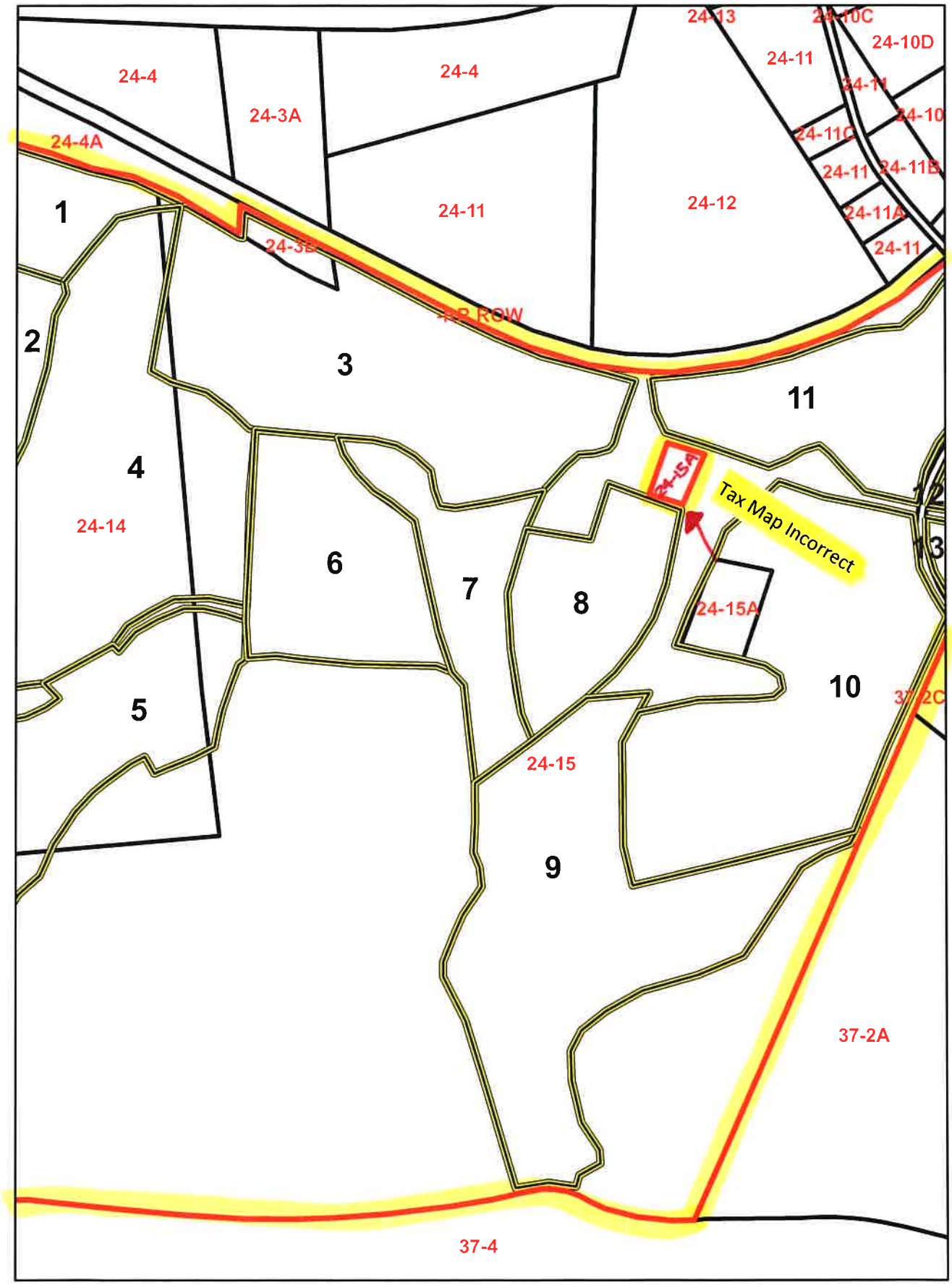
12-2-19

Tax Map

1 in = 660 feet

Recyc Systems Inc.

M. H. Coburn DWMHC




N

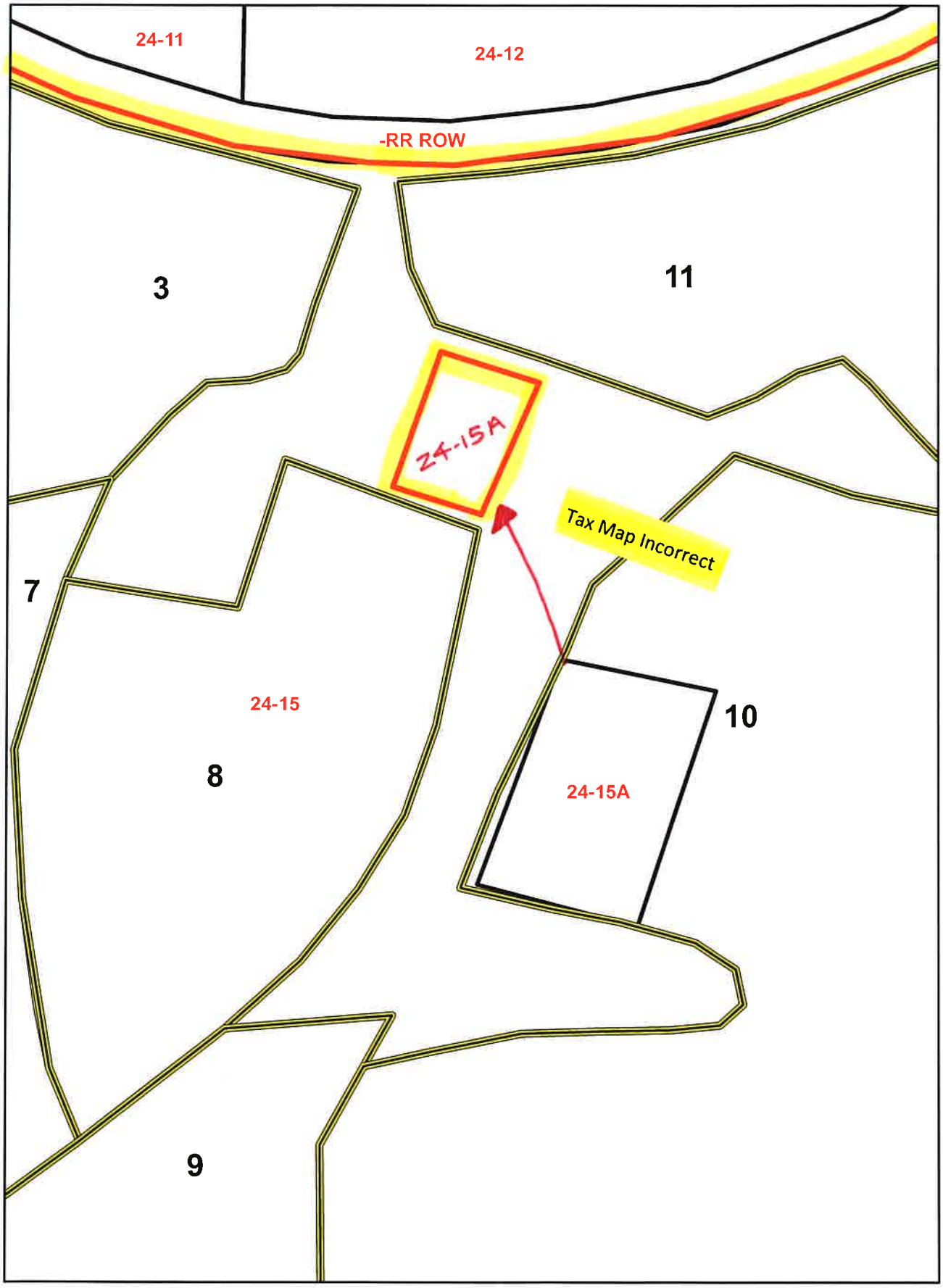
12-2-19

Tax Map

1 in = 660 feet

Recyc Systems Inc.

M. H. Coburn DWMHC



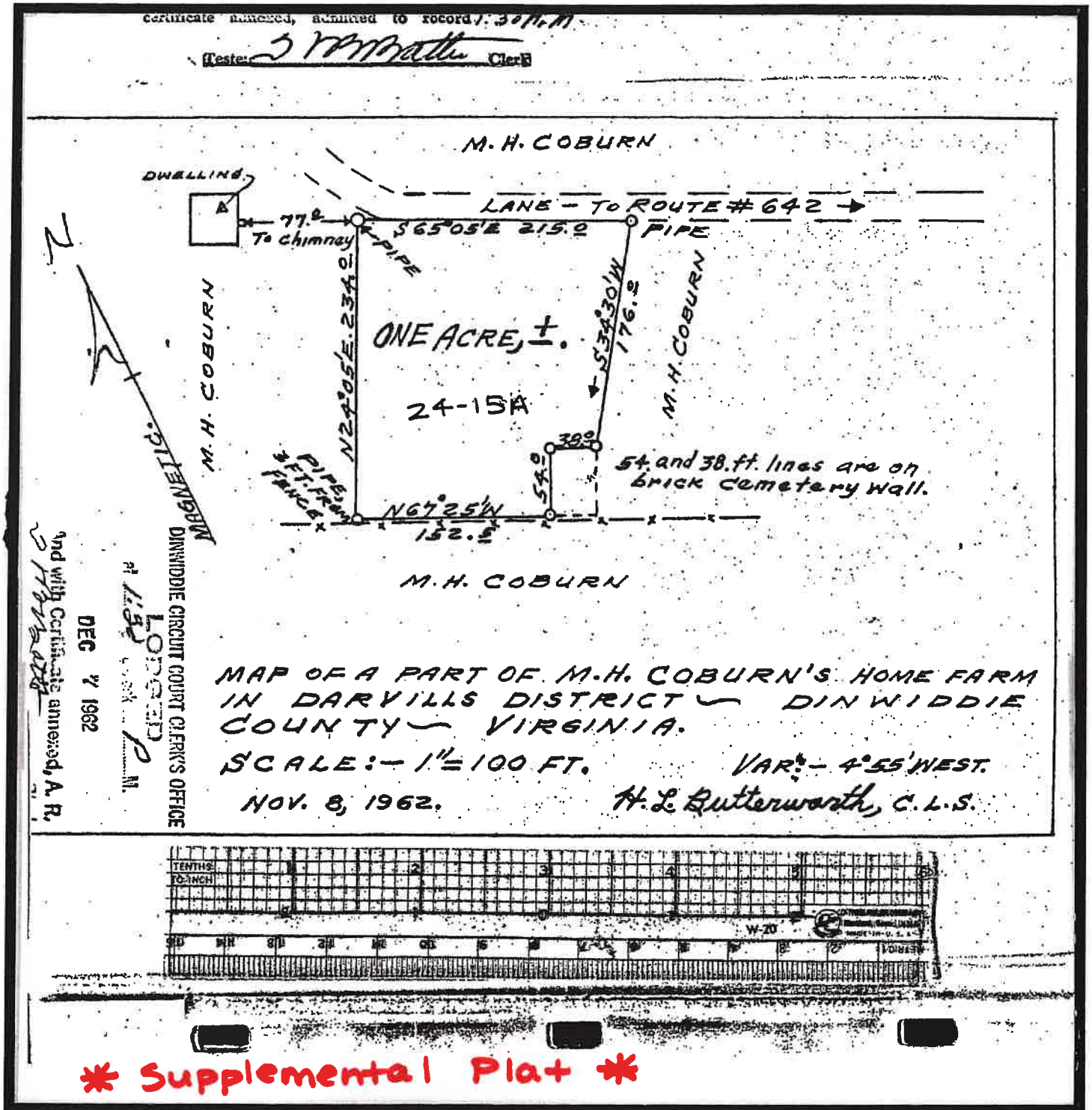

N

12-2-19

Tax Map

1 in = 250 feet

# Recyc Systems Inc.™ (Biosolids Land Application)




* Supplemental Plat *

**Scale:** Not to scale

DWMHC

12-2-19

**TAX MAP**

N

# *Property Identification Card*

Property card for 24-15A

## Record Number: 11050

## DINWIDDIE COUNTY

### Property Information (Map: 24 15A)

**Owner:**
WALLACE MARY LEE

**Owner Address:**
10620 ZILLES ROAD

BLACKSTONE, VA 23824

**Total Land Area:**
1.00 Acres

**Property Address:**
10620 ZILES RD
BLACKSTONE, VA 23824

**Legal Description(s):**
N & W RR

24-15A

**Zoned:**

**Prior Assessment:**
$117,700

**Magisterial District:**
DARVILLS

**Will Bk/Pg (Instrument):**
35 / 235(04 0000119)

**Remarks:**

* 24-15A is in the wrong location on the Tax map. See corrections on map. It is a 1 acre homesite. *

### Assessment Values (Map: 24 15A)

| | |
|---|---|
| **Building 1:** | $114,772 |
| **Land Value:** | $15,000 |
| **Other Improvements:** | $3,328 |
| **Total Value:** | **$133,100** |

### Acreage Description (Map: 24 15A)

| | |
|---|---|
| **Size In Acres:** | 1.00 |
| **Description:** | Homesite |
| **Lump Sum or Per Acre:** | Lump Sum |
| **Unit Value:** | |
| **Adjustment Percentage:** | 0.00 |
| **Utility Value:** | 15,000 |
| **Acreage Value:** | $15,000 |

| | |
|---|---|
| **Area:** | 0 |
| Unit: | |
| Rate: | 0.00 |
| Value: | |
| **Total Value:** | **$15,000** |

### Other Improvements (Map: 24 15A)

**Description:** GARAGE-METAL
**Total Square Feet:** 704
**Improvement Value:** $2,112

---

**Description:** STORAGE-ATTACHED
**Total Square Feet:** 216
**Improvement Value:** $216

---

**Description:** 2 BULK BARNS
**Total Square Feet:** 340
**Improvement Value:** No Value

---

**Description:** DRIVEWAY-CONCRETE
**Total Square Feet:** N/A
**Improvement Value:** $1,000

---

**TOTAL VALUE:** **$3,328**

Property card for 24-15A

## Sales Information (Map: 24 15A)

**Sales Date:** 12/22/2004
**Sales Price:**
**Instrument:** Will Bk/Pg (Instrument): 35 / 235(04 0000119)
**Grantor:** WALLACE CARLTON M ET UX

---

## Transaction History (Map: 24 15A)

**Sales Date:** 00/00/0000
**Sales Price:**
**Instrument:** WF 20 0400119
**Grantee:** CIRCUIT COURT MAP INTEGRATION PROJ.

---

**Sales Date:** 00/00/0000
**Sales Price:**
**Instrument:** 0
**Grantee:** WALLACE CARLTON M ET UX

---

## Building Information (Map: 24 15A)

### Building 1:

**EXTERIOR INFORMATION**
**Year Built:** 1962
**Occupancy Type:** DWELLING
**Condition:** AVERAGE
**Foundation:** BRICK
**Exterior Walls:** BRICK
**Roofing:** COMP SHG
**Roof Type:** GABLE
**Garage:** NONE
**Number of Cars:** None
**Built-In No. Cars:** None
**Carport:** NONE

Property card for
24-15A

**INTERIOR INFORMATION**

| | |
|---|---|
| **Story Height:** | 1.00 |
| **Number or Rooms:** | 6 |
| **Number or Bedrooms:** | 3 |
| **Number or Full Baths:** | 1 |
| **Number or Half Baths:** | None |
| **Building Sq. Feet:** | 1504 |
| **Basement Sq. Feet:** | None |
| **Fin. Basement Sq. Feet:** | None |
| **Interior Walls:** | DRYWALL |
| **Floors:** | WOOD |
| **Floors:** | CARPET |
| **Heating:** | FORCED AIR |
| **A/C:** | YES |

**SITE INFORMATION**

| | |
|---|---|
| **Zoning Type:** | |
| **Terrain Type:** | ON |
| **Character:** | ROLLING/SLOPING |
| **Right of Way:** | PRIVATE |
| **Easements:** | DIRT |
| **Water:** | WELL |
| **Sewer:** | SEPTIC |
| **Electric:** | YES |
| **Gas:** | NO |
| **Fuel Type:** | OIL |
| **Utility Value:** | None |
| **Fireplace:** | None |
| **Stk Fireplace:** | None |
| **Flues:** | 1 |
| **Metal Flues:** | None |
| **Stacked Flues:** | None |
| **Inop. Flue/FP:** | None |

## Building 1 Sketch

```
----------------------49.9-----------------------+---------22----------+-----15.9-------+
                                                  :C                     :D               :
                                                13.9                     :                :
                                                  :                      :                :
22                                                22                     22               22
                                        +---10----:                      :                :
                                        :         B:                     :                :
A                                       7.9       7.9                    :                :
------------------40--------------------+---10----+---------22----------+-----15.9-------+
```

Property card for
24-15A

# ADJOINING LANDOWNERS

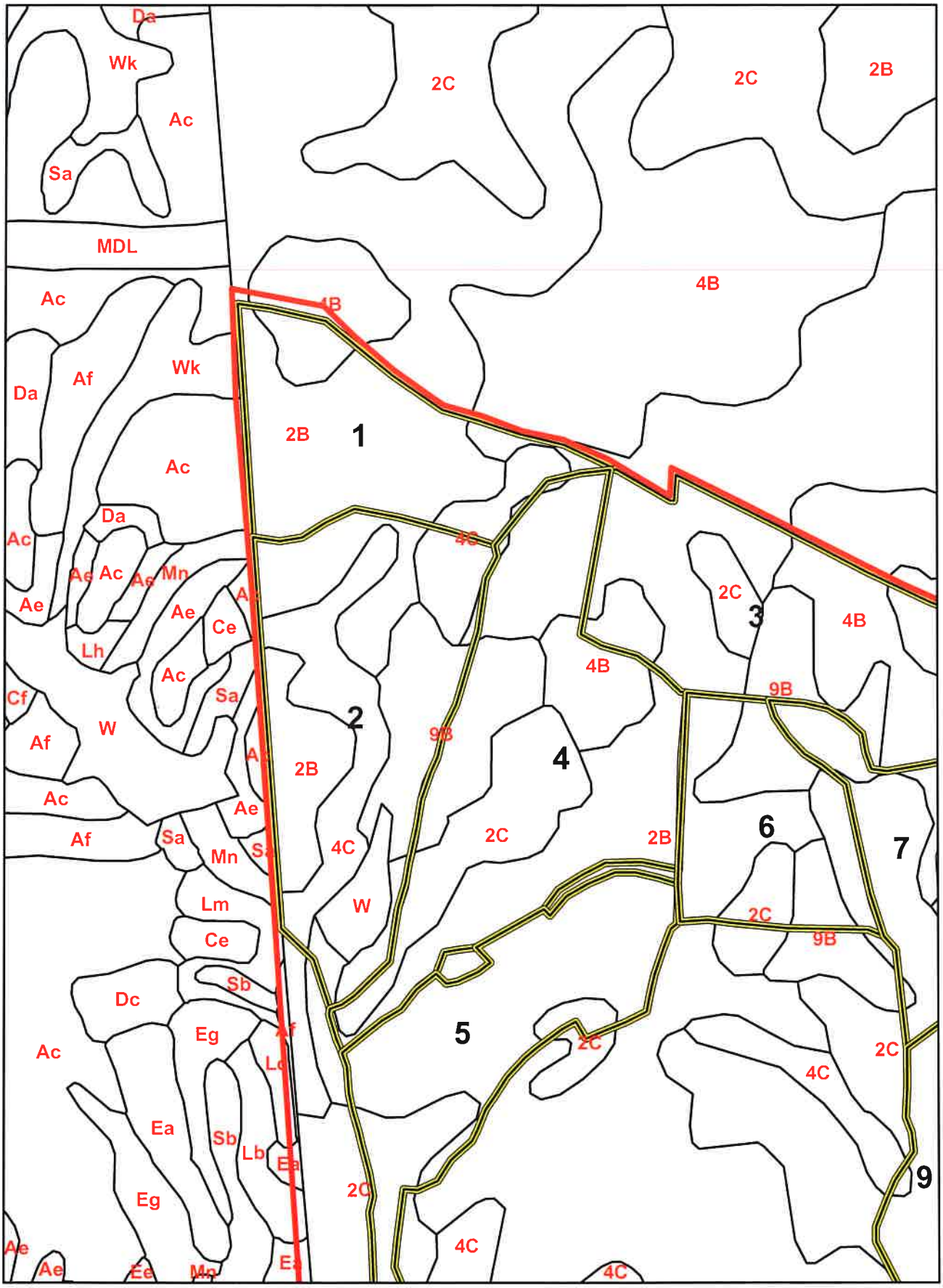
## M H COBURN

## DINWIDDIE COUNTY

| Tax Map | Parcel # | Owner Name(s) |
|---|---|---|
| **24** | 3A | William Preston Jones |
| | 4 | William Preston Jones |
| | 4A | William Preston and Betty W. Jones |
| | 9A | Sharon Dalton |
| | 11 | Eldorada Jackson c/o Anthony D. Jones |
| | 12 | Lee Jackson c/o Anthony D. Jones |
| | 15A | Mary Lee Wallace |
| **25** | 33 | James F. Jr. and John T. Emerson |
| **37** | 2 | Harrison A. and Deborah Lee Moody |
| | 2A | Harrison A. or Deborah Moody |
| | 2B | Harrison A. Moody |
| | 2C | Harrison A. Moody |
| | 2D | Harrison A. or Deborah Moody |
| | 3A | Harrison A. Moody |
| | 3B | James F. Jr. and John T. Emerson |
| | 3D | James F. Emerson Jr. |
| | 4 | USA c/o Sup. Petersburg Natl Battlefield |
| | 5 | Harrison A. and Deborah Lee Moody |
| **38** | 1A | Patricia D. Greenhill |

Recyc Systems Inc.

M. H. Coburn DWMHC




N

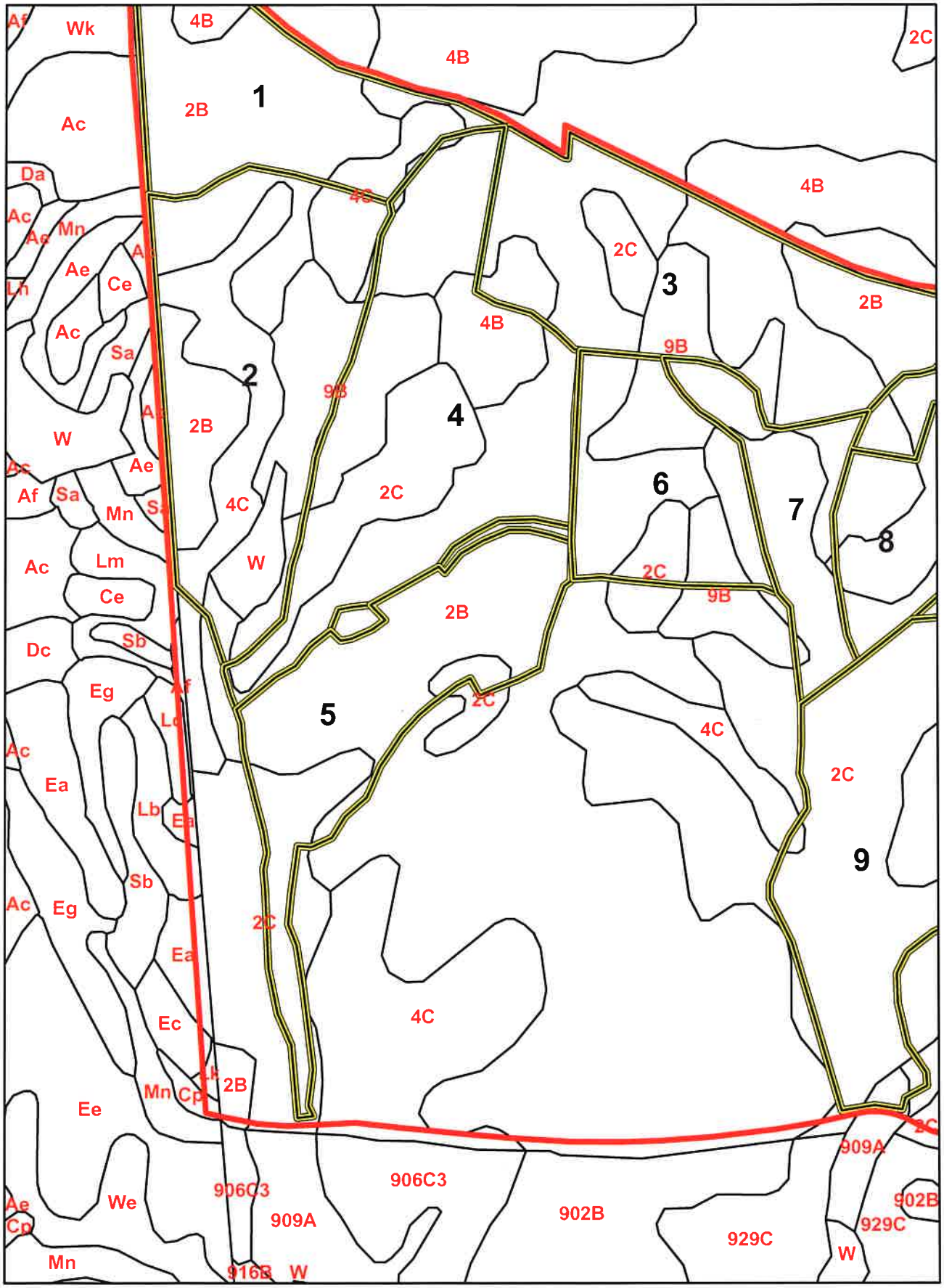
12-2-19
Frequently Flooded

Soil Map

1 in = 660 feet

Recyc Systems Inc.

M. H. Coburn DWMHC

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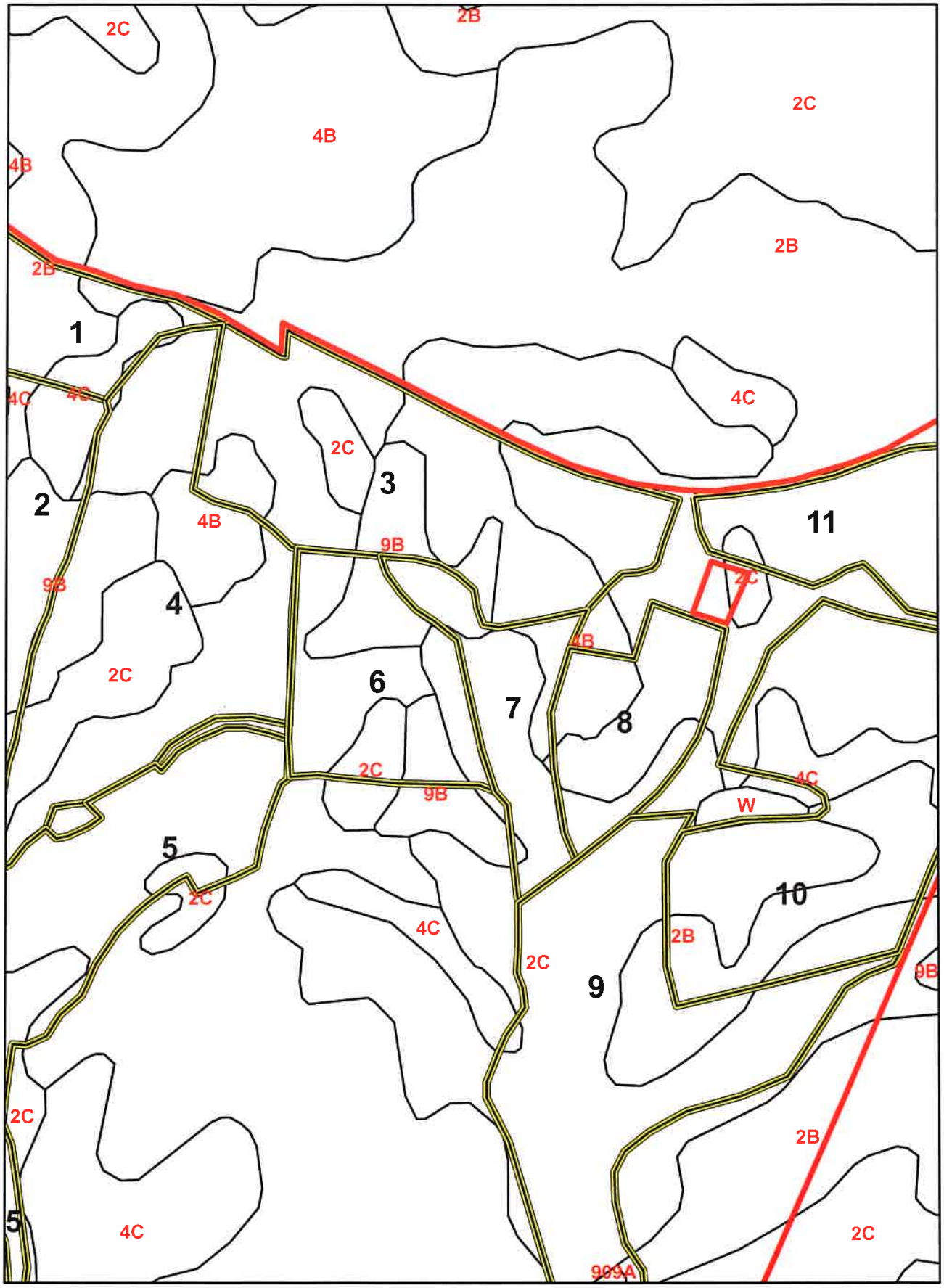


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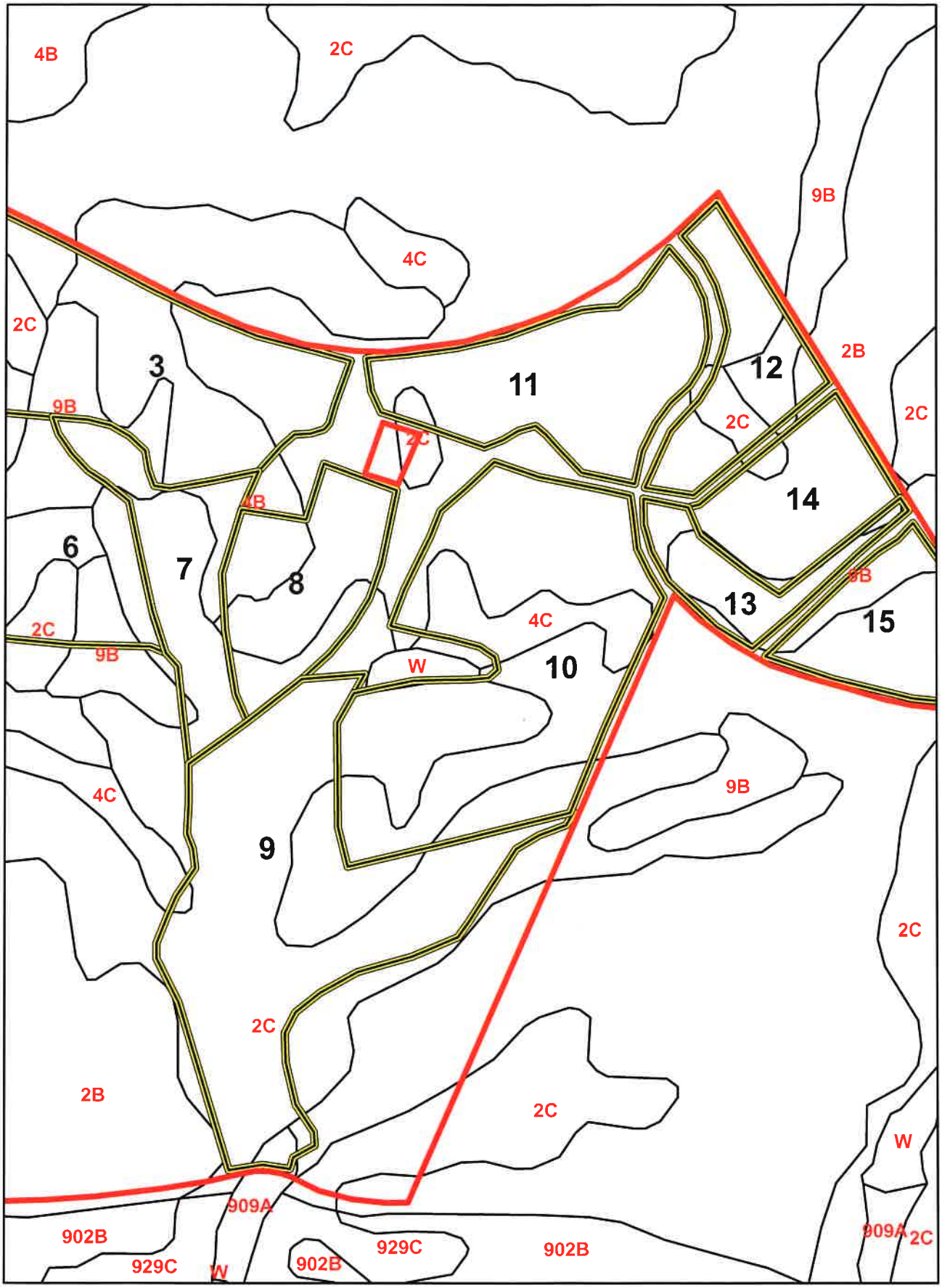


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Frequently Flooded

Soil Map

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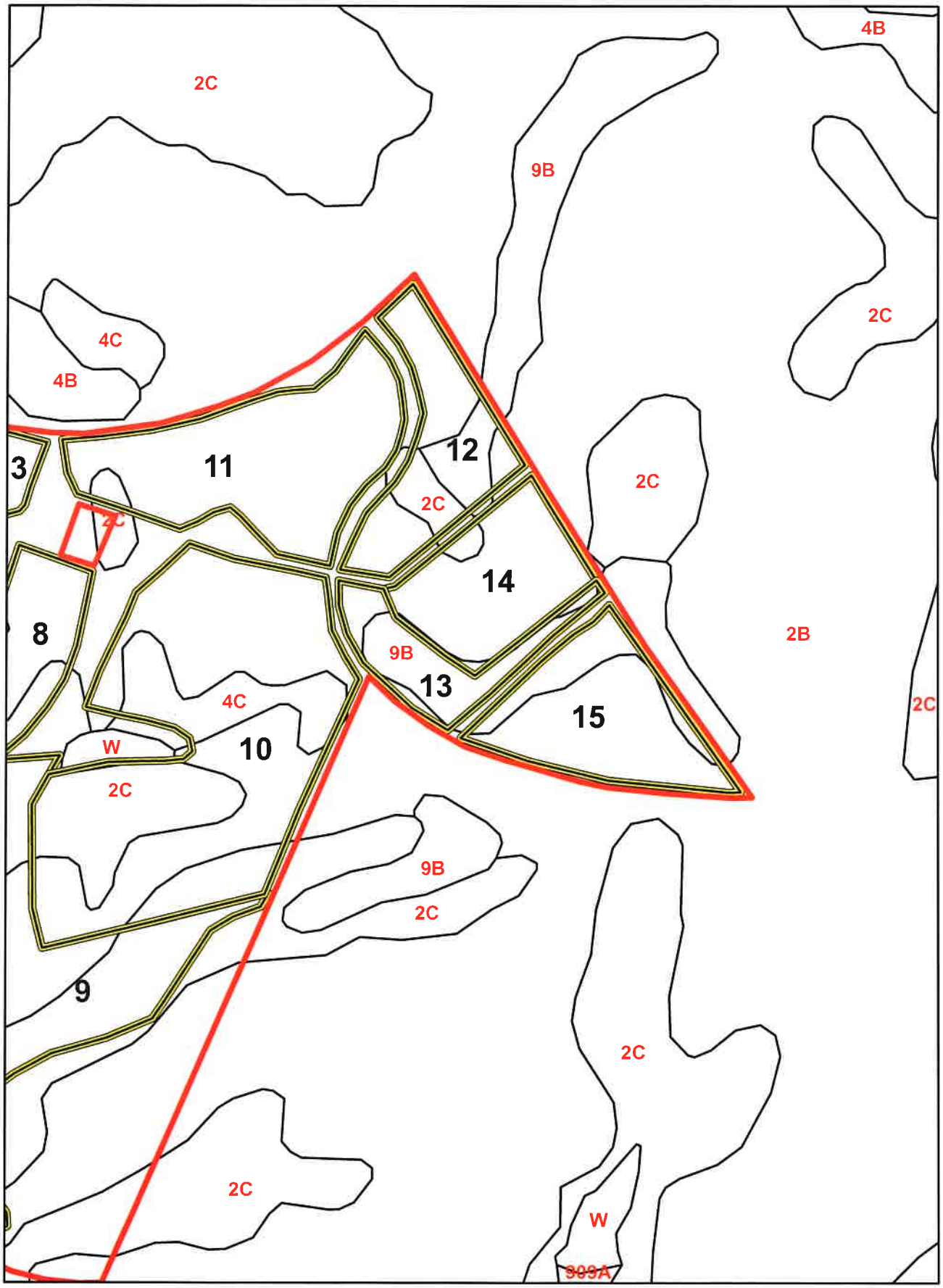
M. H. Coburn DWMHC

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12-2-19
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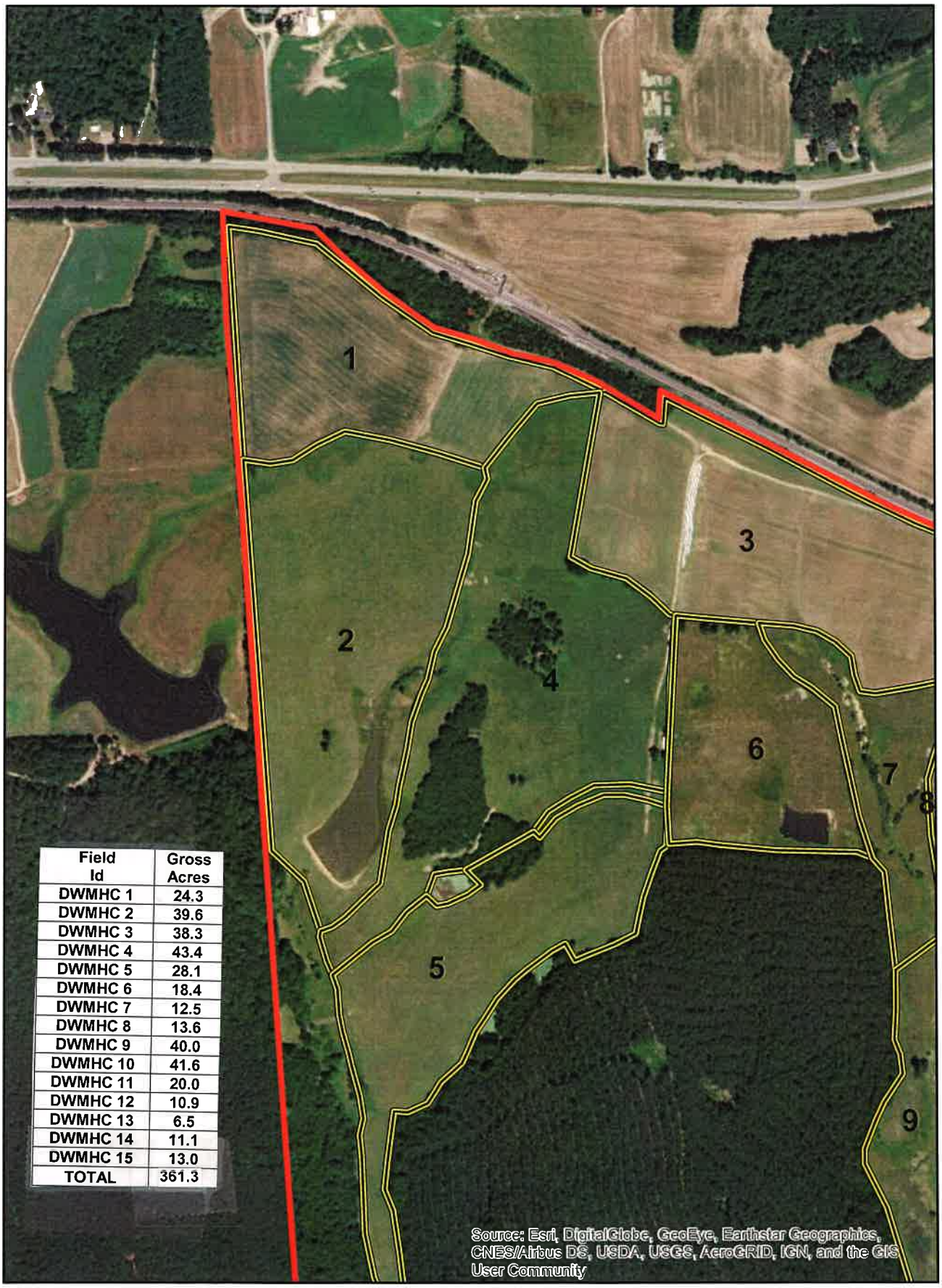



| Field Id | Gross Acres |
|---|---|
| DWMHC 1 | 24.3 |
| DWMHC 2 | 39.6 |
| DWMHC 3 | 38.3 |
| DWMHC 4 | 43.4 |
| DWMHC 5 | 28.1 |
| DWMHC 6 | 18.4 |
| DWMHC 7 | 12.5 |
| DWMHC 8 | 13.6 |
| DWMHC 9 | 40.0 |
| DWMHC 10 | 41.6 |
| DWMHC 11 | 20.0 |
| DWMHC 12 | 10.9 |
| DWMHC 13 | 6.5 |
| DWMHC 14 | 11.1 |
| DWMHC 15 | 13.0 |
| TOTAL | 361.3 |

N

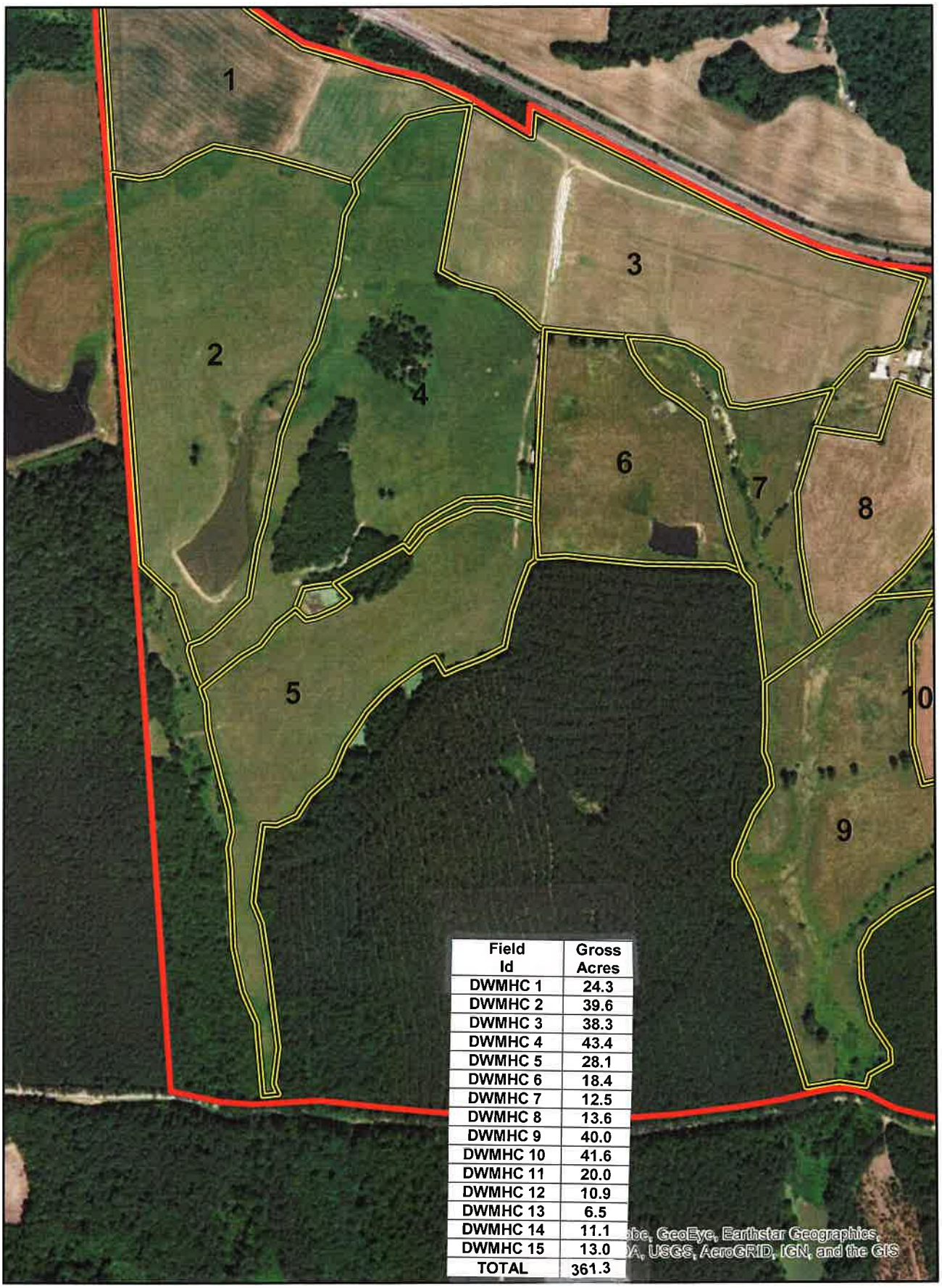
12-2-19

# Aerial Map

1 in = 660 feet

Recyc Systems Inc.

M. H. Coburn DWMHC

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12-2-19

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1 in = 660 feet

Recyc Systems Inc.

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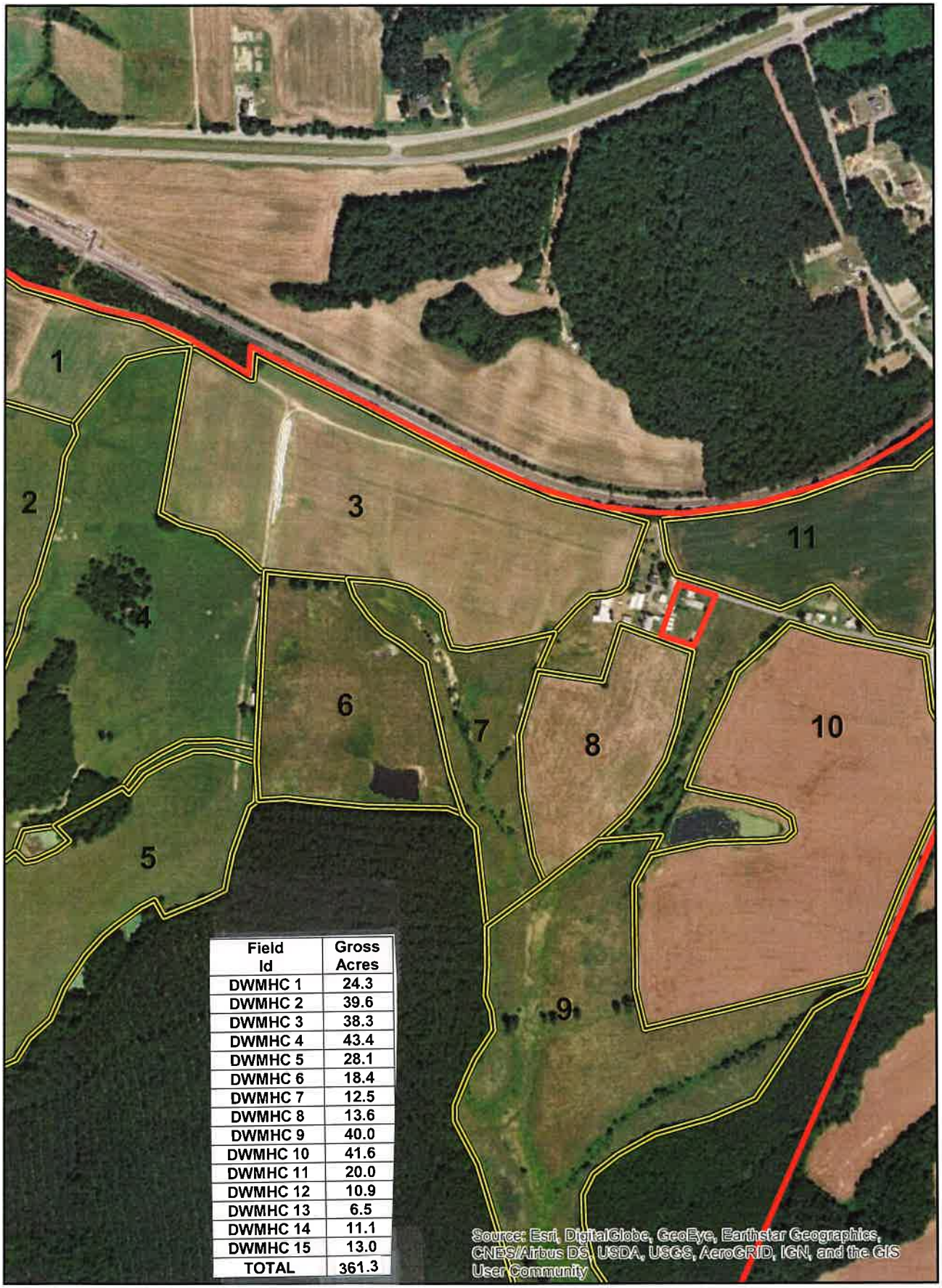


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N

12-2-19

# Aerial Map

1 in = 660 feet

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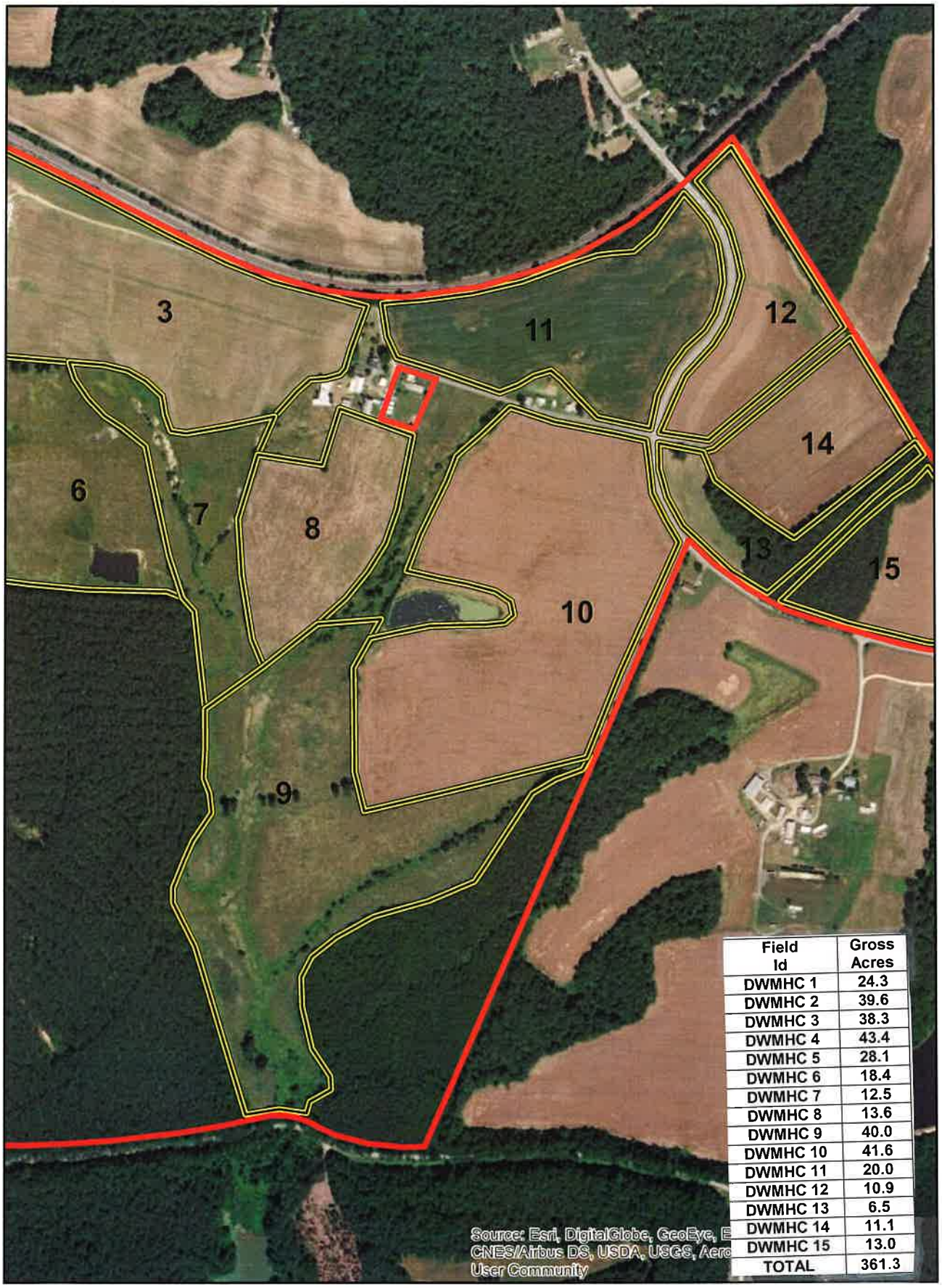
M. H. Coburn DWMHC

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N

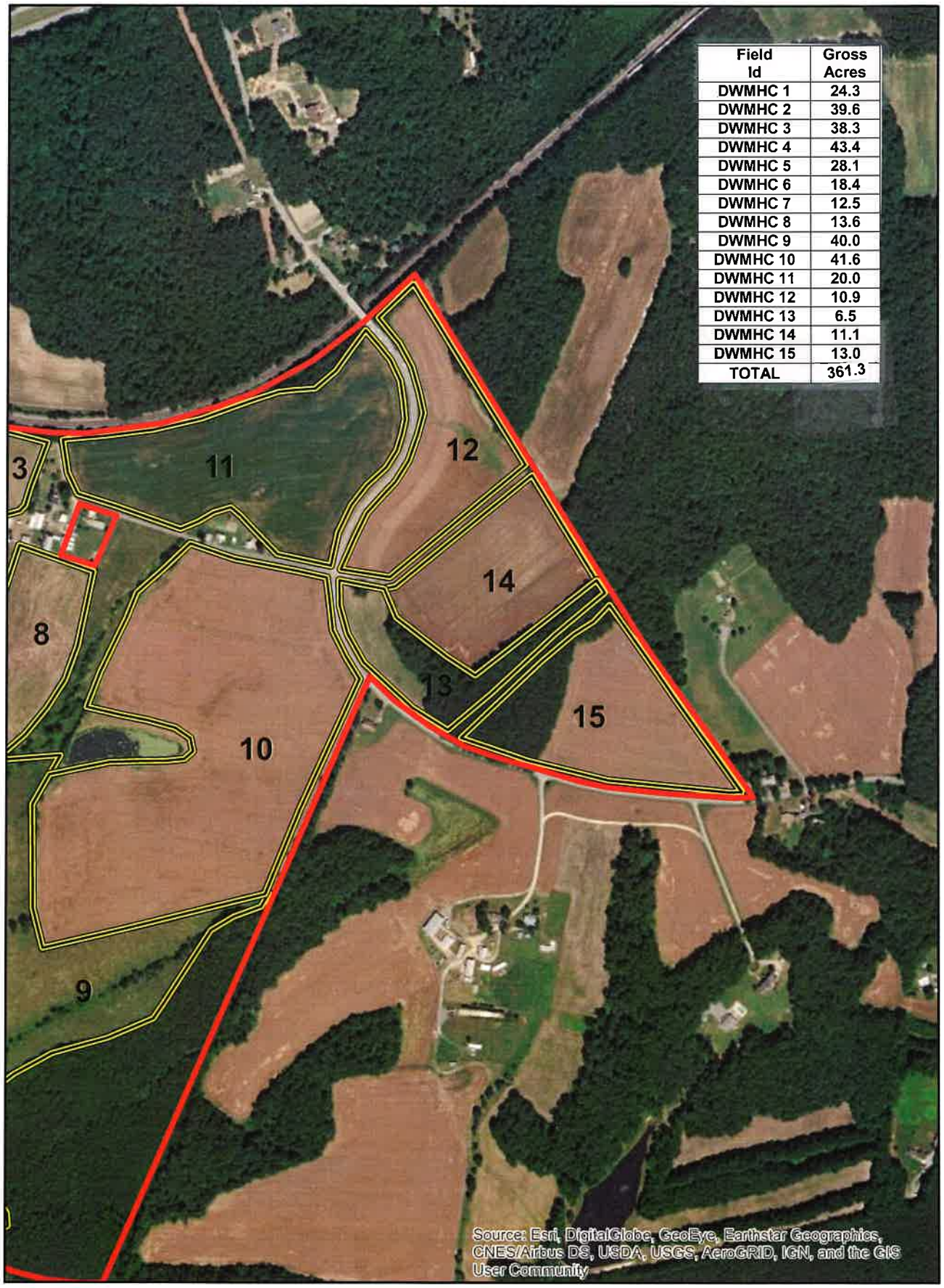
12-2-19

# Aerial Map

1 in = 660 feet

Recyc Systems Inc.

M. H. Coburn DWMHC

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| DWMHC 13 | 6.5 |
| DWMHC 14 | 11.1 |
| DWMHC 15 | 13.0 |
| TOTAL | 361.3 |

N

12-2-19

# Aerial Map

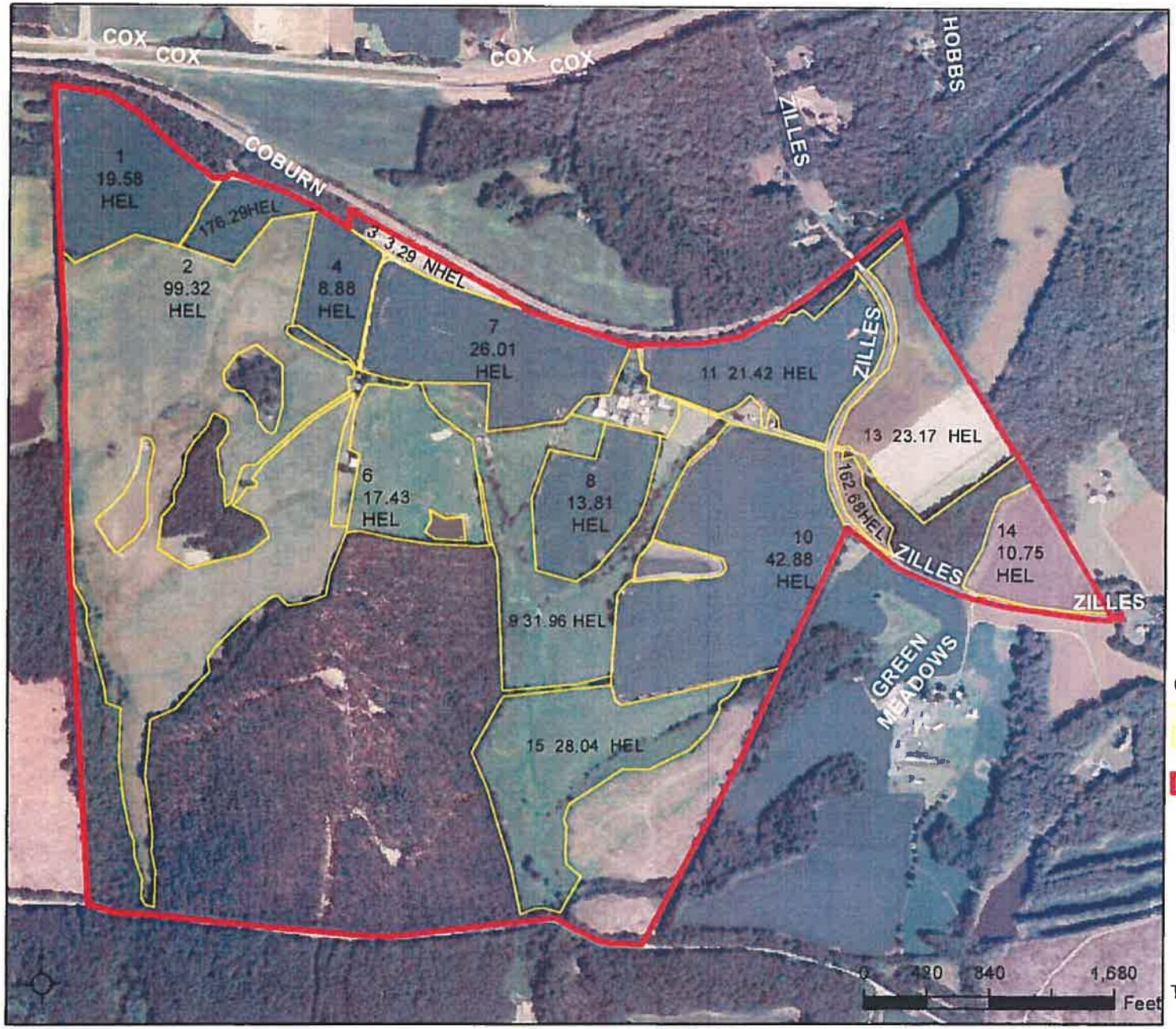
1 in = 660 feet

United States Department of Agriculture

# Dinwiddie County, Virginia

**Tract 5936**

**Farm 3895**




2019 Program Year

Map Created June 20, 2019

**Common Land Unit**

- Non-Cropland
- Cropland
- rcl_l_va053
- Tract Boundary

**Wetland Determination Identifiers**

- Restricted Use
- Limited
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 355.51 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

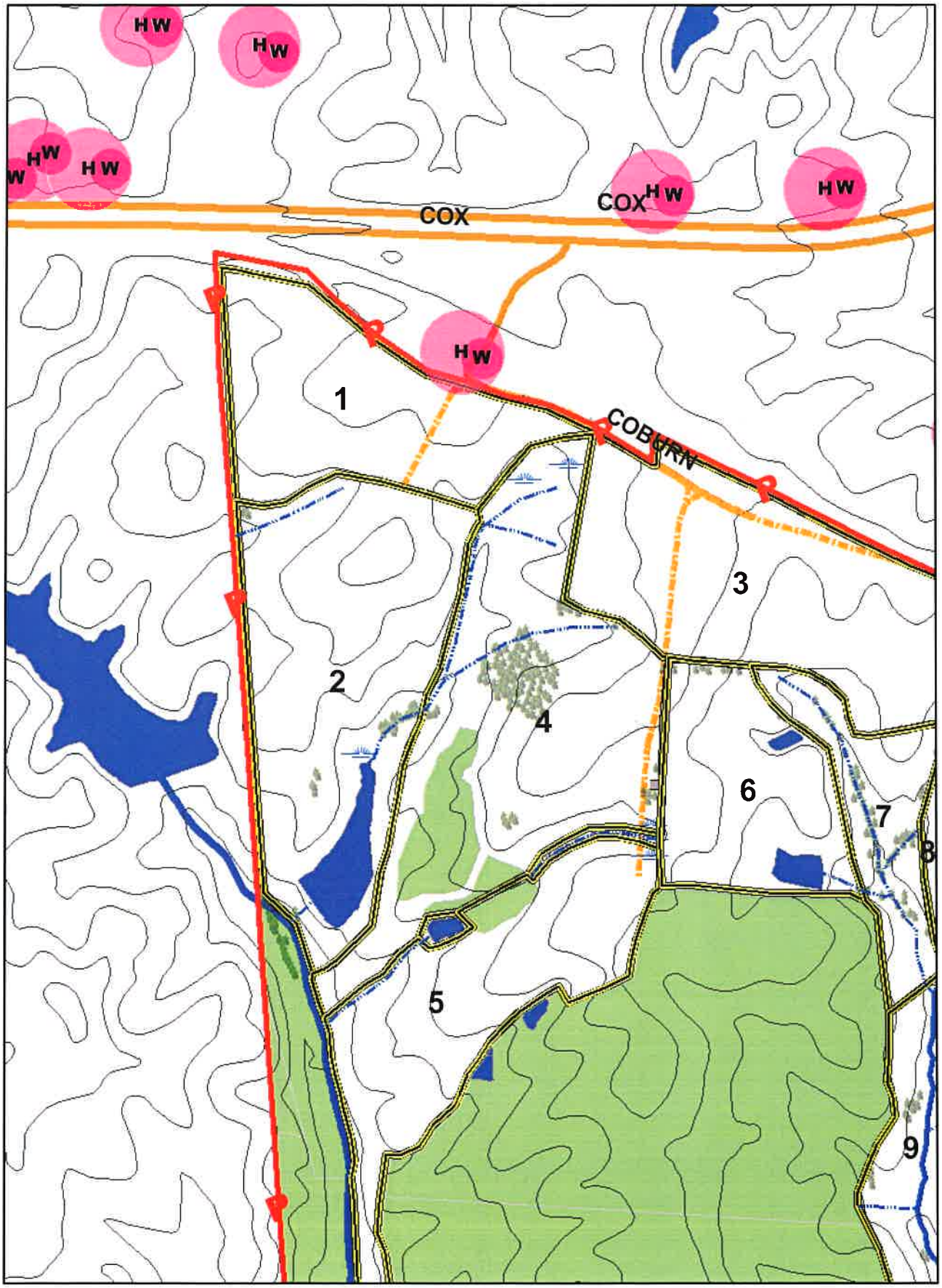
# Legend For Site Plan

| Symbol | Feature | Minimum Setback |
|---|---|---|
| HW | House and Well | 200 feet from occupied dwelling *<br>100 feet from water supply wells or springs |
| W S | Well or Spring | 100 feet from water supply wells or springs |
| | Streams or Surface Water | 35 feet with 35 foot vegetated buffer<br>100 feet without vegetated buffer |
| W | Wet Spot | |
| | Trees and Woods | |
| | Private Drive | |
| R | Rock Area/Rock Outcrop | 25 feet from rock outcrops<br>50 feet from limestone rock outcrops |
| E | Severely Eroded Spot | 18 Inch minimum depth of soil |
| S | Sink Hole | 100 feet from open sinkholes<br>50 feet from closed sinkholes |
| | State Road | 10 feet from side of roadway |
| | Fence / Field Boundary | |
| P P P | Property Line | 100 feet from property line * |
| SL S | Slope | 15% maximum |
| | Hashed out Area | No application |

*Buffer can be reduced or waived upon written consent from landowner.

Recyc Systems Inc.

M. H. Coburn DWMHC




N

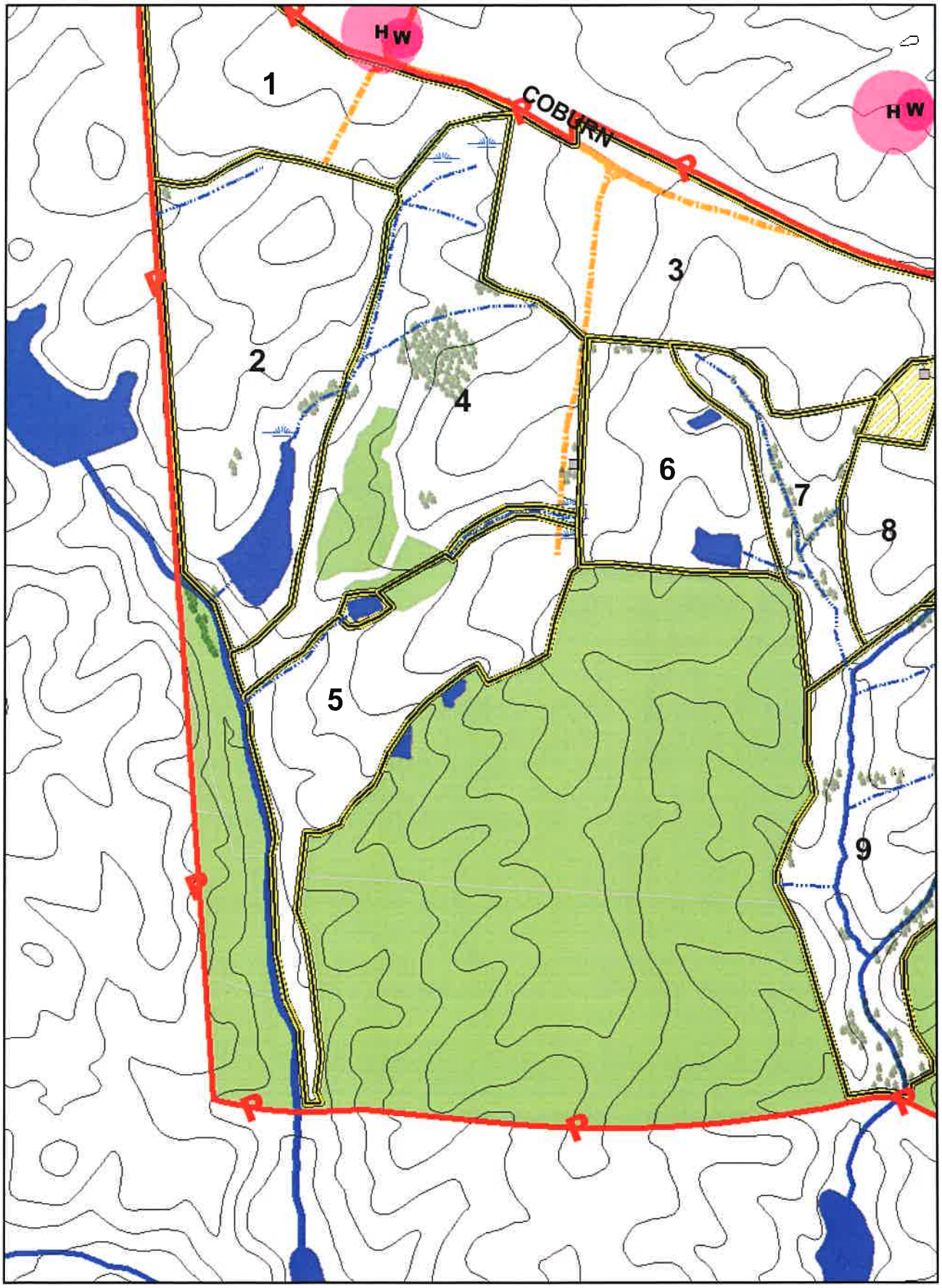
12-2-19

Site Map

1 in = 660 feet

Recyc Systems Inc.

M. H. Coburn DWMHC




N

12-2-19

Site Map

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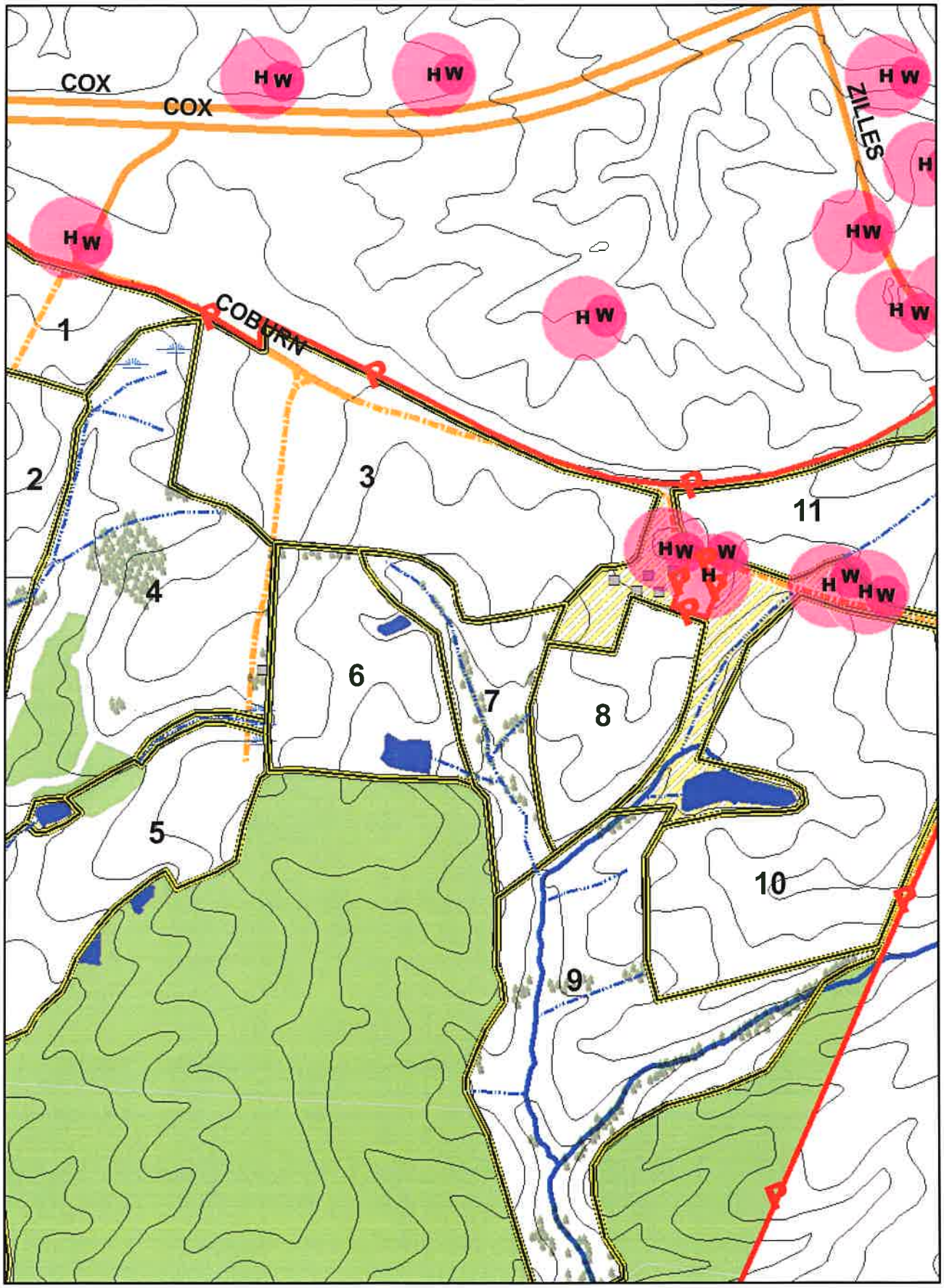



N

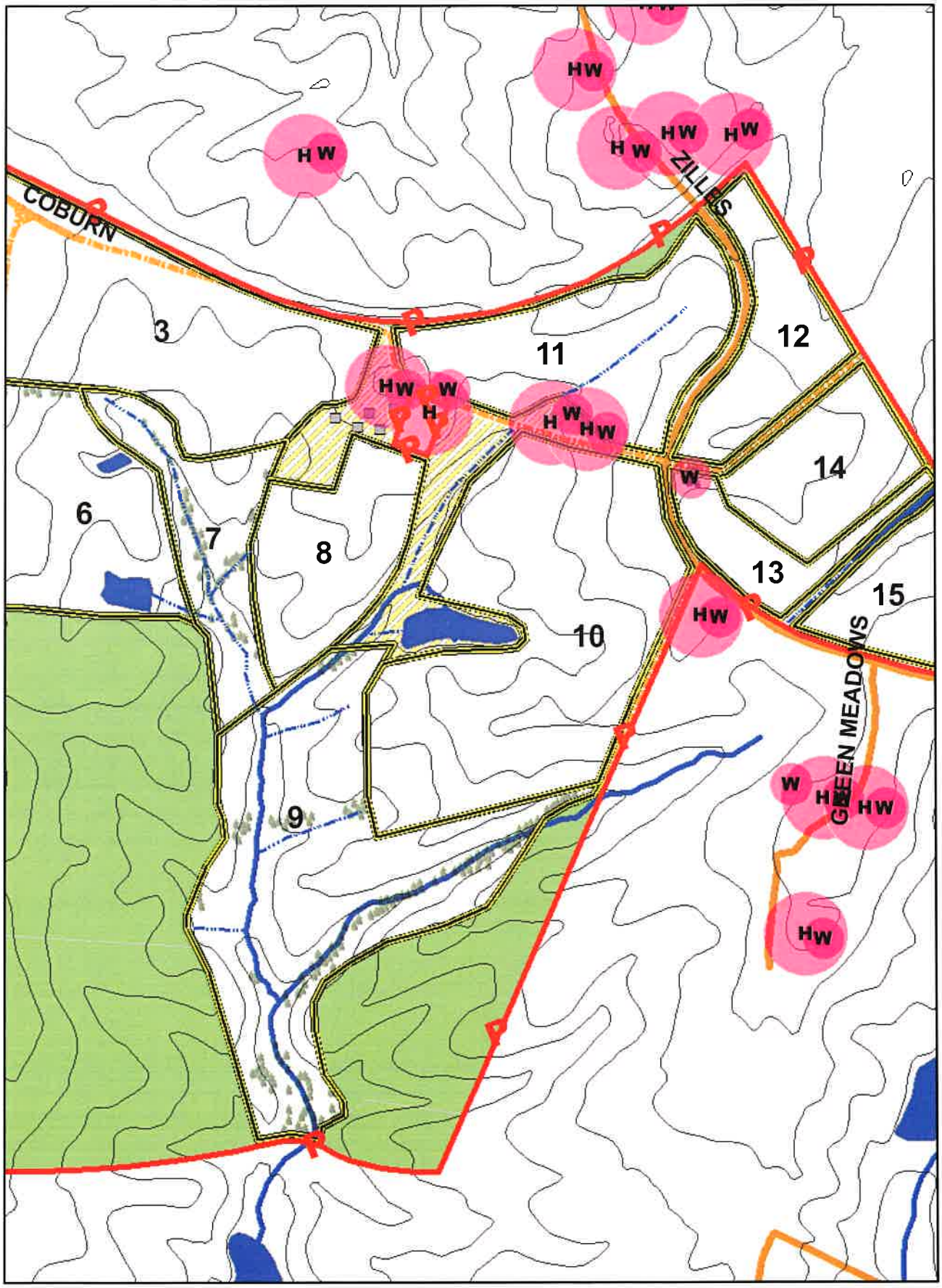
12-2-19

Site Map

1 in = 660 feet

Recyc Systems Inc.

M. H. Coburn DWMHC




N

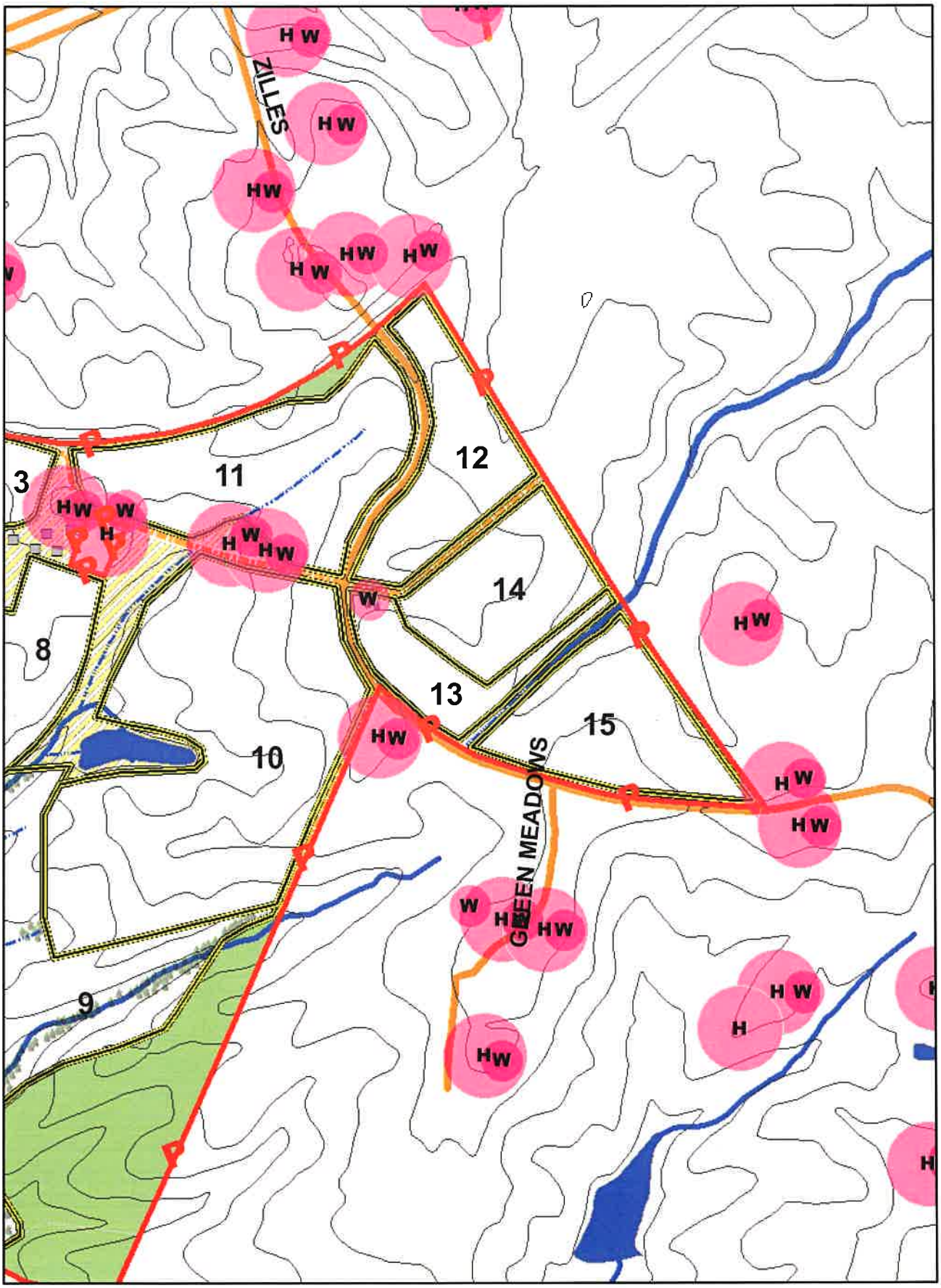
12-2-19

Site Map

1 in = 660 feet

Recyc Systems Inc.

M. H. Coburn DWMHC




N

12-2-19

Site Map

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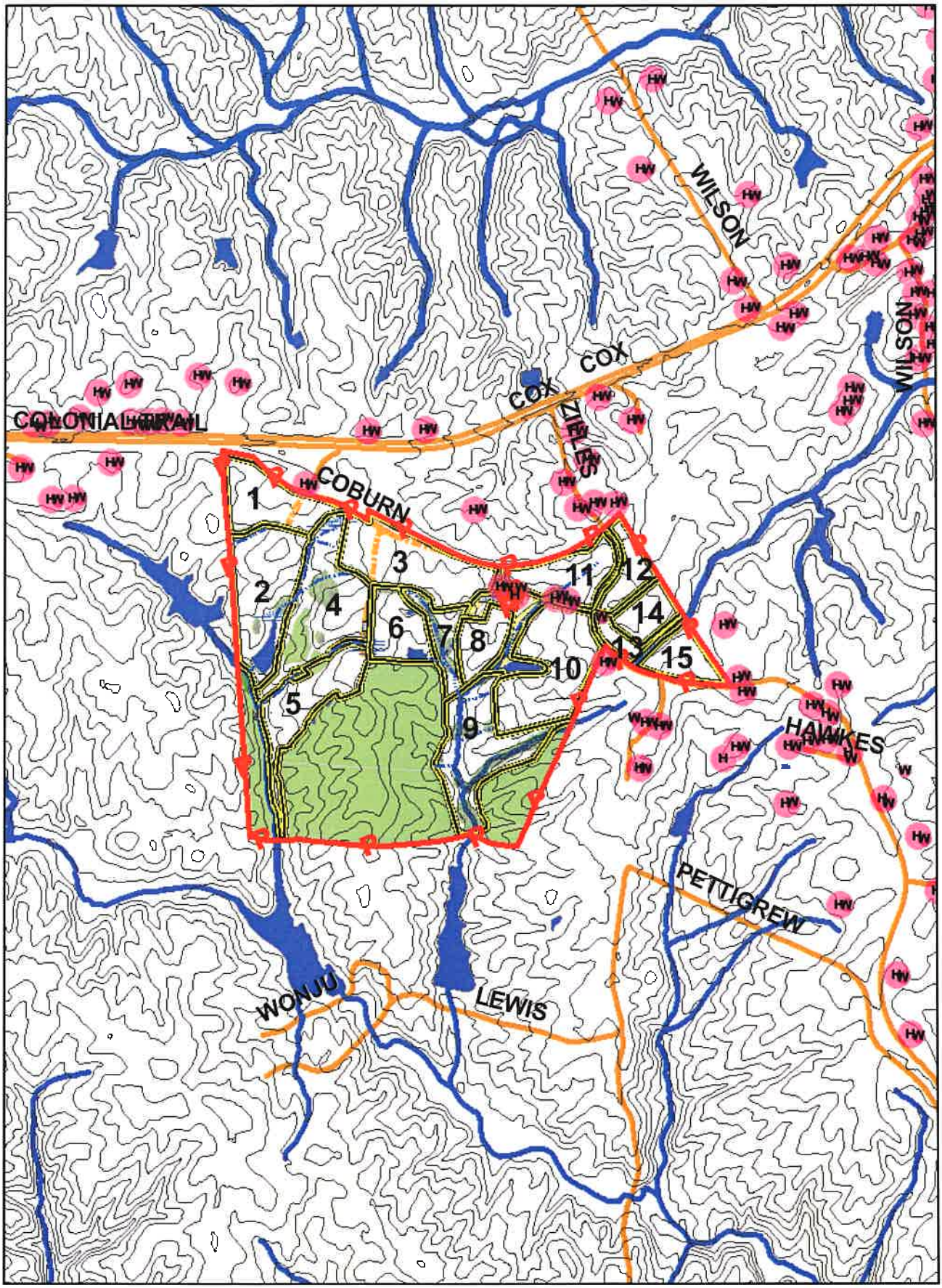
M. H. Coburn DWMHC




12-2-19

N

Topographic Map

1 in = 2,000 feet