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a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for Robeson County, North Carolina

## Sand Roack Road Farms



# Preface

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Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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# How Soil Surveys Are Made

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Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

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scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

# Soil Map

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The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

# Custom Soil Resource Report Soil Map



Map Scale: 1:5,300 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84




### MAP LEGEND

**Area of Interest (AOI)**

 Area of Interest (AOI)




















**Soils**







 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

**Special Point Features**






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features


**Water Features**

 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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:  
 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: Robeson County, North Carolina  
 Survey Area Data: Version 25, Sep 10, 2025

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

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

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.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Bibb soils	0.7	1.3%
Ly	Lynchburg sandy loam, 0 to 2 percent slopes	0.1	0.2%
MaA	Marlboro sandy loam, 0 to 2 percent slopes	2.7	5.5%
MaB	Marlboro sandy loam, 2 to 6 percent slopes	1.1	2.1%
NoB	Norfolk loamy sand, 2 to 6 percent slopes	3.0	6.0%
Ra	Rains sandy loam, 0 to 2 percent slopes	0.4	0.7%
WaB	Wagram loamy sand, 0 to 6 percent slopes	42.0	84.1%
<b>Totals for Area of Interest</b>		<b>49.9</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor

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components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

## Robeson County, North Carolina

### BB—Bibb soils

#### Map Unit Setting

*National map unit symbol:* 3vdw  
*Landscape:* Coastal plains  
*Elevation:* 80 to 330 feet  
*Mean annual precipitation:* 38 to 55 inches  
*Mean annual air temperature:* 59 to 70 degrees F  
*Frost-free period:* 210 to 265 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Bibb, undrained, and similar soils:* 80 percent  
*Johnston, undrained, and similar soils:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Bibb, Undrained

##### Setting

*Landscape:* Coastal plains  
*Landform:* Flood plains  
*Landform position (two-dimensional):* Toeslope  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy alluvium

##### Typical profile

*A - 0 to 6 inches:* sandy loam  
*Cg1 - 6 to 60 inches:* sandy loam  
*Cg2 - 60 to 80 inches:* loamy sand

##### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Poorly drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* High (1.98 to 5.95 in/hr)  
*Depth to water table:* About 0 to 12 inches  
*Frequency of flooding:* Frequent  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* Moderate (about 7.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 5w  
*Hydrologic Soil Group:* A/D  
*Ecological site:* F133AY140NC - Small Stream Flood Plains, Wet  
*Hydric soil rating:* Yes

#### Description of Johnston, Undrained

##### Setting

*Landscape:* Coastal plains

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*Landform:* Flood plains  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Parent material:* Sandy and loamy alluvium

### Typical profile

*A - 0 to 30 inches:* mucky loam  
*Cg1 - 30 to 34 inches:* loamy fine sand  
*Cg2 - 34 to 80 inches:* fine sandy loam

### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Very poorly drained  
*Runoff class:* Ponded  
*Capacity of the most limiting layer to transmit water (Ksat):* High (1.98 to 5.95 in/hr)  
*Depth to water table:* About 0 inches  
*Frequency of flooding:* Frequent  
*Frequency of ponding:* Frequent  
*Available water supply, 0 to 60 inches:* High (about 9.4 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7w  
*Hydrologic Soil Group:* A/D  
*Ecological site:* F133AY140NC - Small Stream Flood Plains, Wet  
*Hydric soil rating:* Yes

## Ly—Lynchburg sandy loam, 0 to 2 percent slopes

### Map Unit Setting

*National map unit symbol:* 2vx8p  
*Landscape:* Coastal plains  
*Elevation:* 10 to 330 feet  
*Mean annual precipitation:* 40 to 55 inches  
*Mean annual air temperature:* 59 to 70 degrees F  
*Frost-free period:* 200 to 280 days  
*Farmland classification:* Prime farmland if drained

### Map Unit Composition

*Lynchburg and similar soils:* 84 percent  
*Minor components:* 16 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Lynchburg

#### Setting

*Landscape:* Coastal plains  
*Landform:* Flats on marine terraces, Broad interstream divides on marine terraces  
*Landform position (three-dimensional):* Talf

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*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Loamy marine deposits

### Typical profile

*Ap - 0 to 8 inches:* sandy loam  
*E - 8 to 11 inches:* sandy loam  
*Bt - 11 to 21 inches:* sandy clay loam  
*Btg - 21 to 65 inches:* sandy clay loam  
*BCg - 65 to 85 inches:* sandy clay loam

### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Somewhat poorly drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 6 to 18 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* Moderate (about 6.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2w  
*Hydrologic Soil Group:* B/D  
*Ecological site:* F153AY040NC - Moist Loamy Rises and Flats, F133AY410NC - Summits, Loamy and Clayey, Seasonally Wet  
*Hydric soil rating:* No

### Minor Components

#### Goldsboro

*Percent of map unit:* 8 percent  
*Landscape:* Coastal plains  
*Landform:* Flats on marine terraces, Broad interstream divides on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* F153AY040NC - Moist Loamy Rises and Flats, F133AY410NC - Summits, Loamy and Clayey, Seasonally Wet  
*Hydric soil rating:* No

#### Rains

*Percent of map unit:* 8 percent  
*Landscape:* Coastal plains  
*Landform:* Flats on marine terraces, Flat broad interstream divides on marine terraces  
*Landform position (three-dimensional):* Dip, talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* F153AY060NC - Wet Loamy Flats and Depressions, F133AY320NC - Upland Depressions, Flats, and Carolina Bays  
*Hydric soil rating:* Yes

## **MaA—Marlboro sandy loam, 0 to 2 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 3vff  
*Landscape:* Coastal plains  
*Elevation:* 80 to 330 feet  
*Mean annual precipitation:* 38 to 55 inches  
*Mean annual air temperature:* 59 to 70 degrees F  
*Frost-free period:* 210 to 265 days  
*Farmland classification:* All areas are prime farmland

### **Map Unit Composition**

*Marlboro and similar soils:* 90 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Marlboro**

#### **Setting**

*Landscape:* Coastal plains  
*Landform:* Low ridges on marine terraces, Broad interstream divides on marine terraces  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Clayey marine deposits

#### **Typical profile**

*Ap - 0 to 10 inches:* sandy loam  
*Bt1 - 10 to 71 inches:* sandy clay  
*Bt2 - 71 to 80 inches:* sandy clay

#### **Properties and qualities**

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 48 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* High (about 9.2 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 1  
*Hydrologic Soil Group:* B  
*Ecological site:* F133AY420NC - Summits, Loamy and Clayey, Moist  
*Hydric soil rating:* No

## **MaB—Marlboro sandy loam, 2 to 6 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 3vfg  
*Landscape:* Coastal plains  
*Elevation:* 80 to 330 feet  
*Mean annual precipitation:* 38 to 55 inches  
*Mean annual air temperature:* 59 to 70 degrees F  
*Frost-free period:* 210 to 265 days  
*Farmland classification:* All areas are prime farmland

### **Map Unit Composition**

*Marlboro and similar soils:* 90 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Marlboro**

#### **Setting**

*Landscape:* Coastal plains  
*Landform:* Low ridges on marine terraces, Broad interstream divides on marine terraces  
*Landform position (two-dimensional):* Summit, shoulder  
*Landform position (three-dimensional):* Crest  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Clayey marine deposits

#### **Typical profile**

*Ap - 0 to 10 inches:* sandy loam  
*Bt1 - 10 to 71 inches:* sandy clay  
*Bt2 - 71 to 80 inches:* sandy clay

#### **Properties and qualities**

*Slope:* 2 to 6 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 48 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* High (about 9.2 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* B  
*Ecological site:* F133AY420NC - Summits, Loamy and Clayey, Moist  
*Hydric soil rating:* No

## **NoB—Norfolk loamy sand, 2 to 6 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2v75y  
*Landscape:* Coastal plains  
*Elevation:* 30 to 450 feet  
*Mean annual precipitation:* 38 to 55 inches  
*Mean annual air temperature:* 59 to 70 degrees F  
*Frost-free period:* 200 to 280 days  
*Farmland classification:* All areas are prime farmland

### **Map Unit Composition**

*Norfolk and similar soils:* 83 percent  
*Minor components:* 17 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Norfolk**

#### **Setting**

*Landscape:* Coastal plains  
*Landform:* Broad interstream divides on marine terraces, Flats on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Convex, linear  
*Parent material:* Loamy marine deposits

#### **Typical profile**

*Ap - 0 to 8 inches:* loamy sand  
*E - 8 to 14 inches:* loamy sand  
*Bt - 14 to 65 inches:* sandy clay loam  
*BC - 65 to 80 inches:* sandy clay loam

#### **Properties and qualities**

*Slope:* 2 to 6 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* About 40 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* Moderate (about 6.9 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* A  
*Ecological site:* F153AY030NC - Dry Loamy Rises and Flats, F133AY420NC - Summits, Loamy and Clayey, Moist  
*Hydric soil rating:* No

## Minor Components

### Wagram

*Percent of map unit:* 10 percent

*Landscape:* Coastal plains

*Landform:* Broad interstream divides on marine terraces, Low ridges on marine terraces

*Landform position (two-dimensional):* Summit, shoulder

*Landform position (three-dimensional):* Riser, rise

*Down-slope shape:* Convex, linear

*Across-slope shape:* Convex

*Ecological site:* F153AY030NC - Dry Loamy Rises and Flats, F133AY430NC - Summits, Loamy, Thick Sandy Surface

*Hydric soil rating:* No

### Goldsboro

*Percent of map unit:* 7 percent

*Landscape:* Coastal plains

*Landform:* Flats on marine terraces, Broad interstream divides on marine terraces

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* F153AY040NC - Moist Loamy Rises and Flats, F133AY410NC - Summits, Loamy and Clayey, Seasonally Wet

*Hydric soil rating:* No

## Ra—Rains sandy loam, 0 to 2 percent slopes

### Map Unit Setting

*National map unit symbol:* 2v760

*Landscape:* Coastal plains

*Elevation:* 30 to 330 feet

*Mean annual precipitation:* 40 to 55 inches

*Mean annual air temperature:* 59 to 70 degrees F

*Frost-free period:* 200 to 280 days

*Farmland classification:* Prime farmland if drained

### Map Unit Composition

*Rains, undrained, and similar soils:* 58 percent

*Rains, drained, and similar soils:* 24 percent

*Minor components:* 18 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Rains, Undrained

#### Setting

*Landscape:* Coastal plains

*Landform:* Carolina bays on marine terraces, Flat broad interstream divides on marine terraces, Flats on marine terraces

## Custom Soil Resource Report

*Landform position (three-dimensional):* Dip, talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Loamy marine deposits

### Typical profile

*A - 0 to 6 inches:* sandy loam  
*Eg - 6 to 12 inches:* sandy loam  
*Btg - 12 to 65 inches:* sandy clay loam  
*BCg - 65 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Poorly drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.20 to 1.98 in/hr)  
*Depth to water table:* About 0 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* Moderate (about 7.9 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4w  
*Hydrologic Soil Group:* A/D  
*Ecological site:* F153AY060NC - Wet Loamy Flats and Depressions,  
F133AY320NC - Upland Depressions, Flats, and Carolina Bays  
*Hydric soil rating:* Yes

## Description of Rains, Drained

### Setting

*Landscape:* Coastal plains  
*Landform:* Carolina bays on marine terraces, Flat broad interstream divides on marine terraces, Flats on marine terraces  
*Landform position (three-dimensional):* Dip, talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Loamy marine deposits

### Typical profile

*Ap - 0 to 6 inches:* sandy loam  
*Eg - 6 to 12 inches:* sandy loam  
*Btg - 12 to 65 inches:* sandy clay loam  
*BCg - 65 to 80 inches:* sandy clay loam

### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Poorly drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.20 to 1.98 in/hr)  
*Depth to water table:* About 12 to 36 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* Moderate (about 7.9 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3w  
*Hydrologic Soil Group:* B  
*Ecological site:* F153AY060NC - Wet Loamy Flats and Depressions,  
F133AY320NC - Upland Depressions, Flats, and Carolina Bays  
*Hydric soil rating:* Yes

**Minor Components**

**Lynchburg**

*Percent of map unit:* 10 percent  
*Landscape:* Coastal plains  
*Landform:* Flats on marine terraces, Broad interstream divides on marine terraces  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* F153AY040NC - Moist Loamy Rises and Flats, F133AY410NC -  
Summits, Loamy and Clayey, Seasonally Wet  
*Hydric soil rating:* No

**Pantego, undrained**

*Percent of map unit:* 8 percent  
*Landscape:* Coastal plains  
*Landform:* Low stream terraces, Flats, Broad interstream divides  
*Landform position (three-dimensional):* Tread, talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Ecological site:* F153AY060NC - Wet Loamy Flats and Depressions,  
F133AY320NC - Upland Depressions, Flats, and Carolina Bays  
*Hydric soil rating:* Yes

**WaB—Wagram loamy sand, 0 to 6 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 3vg3  
*Landscape:* Coastal plains  
*Elevation:* 80 to 330 feet  
*Mean annual precipitation:* 38 to 55 inches  
*Mean annual air temperature:* 59 to 70 degrees F  
*Frost-free period:* 210 to 265 days  
*Farmland classification:* Farmland of statewide importance

**Map Unit Composition**

*Wagram and similar soils:* 90 percent  
*Minor components:* 5 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Wagram

### Setting

*Landscape:* Coastal plains

*Landform:* Low ridges on marine terraces, Broad interstream divides on marine terraces

*Landform position (two-dimensional):* Summit, shoulder

*Landform position (three-dimensional):* Crest

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Loamy marine deposits

### Typical profile

*Ap - 0 to 8 inches:* loamy sand

*E - 8 to 24 inches:* loamy sand

*Bt - 24 to 75 inches:* sandy clay loam

*BC - 75 to 83 inches:* sandy loam

### Properties and qualities

*Slope:* 0 to 6 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* About 60 to 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Moderate (about 6.7 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 2s

*Hydrologic Soil Group:* A

*Ecological site:* F153AY030NC - Dry Loamy Rises and Flats, F133AY430NC - Summits, Loamy, Thick Sandy Surface

*Hydric soil rating:* No

## Minor Components

### Bibb, undrained

*Percent of map unit:* 3 percent

*Landscape:* Coastal plains

*Landform:* Flood plains

*Landform position (two-dimensional):* Toeslope

*Down-slope shape:* Concave

*Across-slope shape:* Linear

*Ecological site:* F153AY090NC - Flooded Mineral Soil Flood Plains and Terraces, F133AY140NC - Small Stream Flood Plains, Wet

*Hydric soil rating:* Yes

### Johnston, undrained

*Percent of map unit:* 2 percent

*Landscape:* Coastal plains

*Landform:* Flood plains

*Down-slope shape:* Concave

## Custom Soil Resource Report

*Across-slope shape:* Linear

*Ecological site:* F153AY090NC - Flooded Mineral Soil Flood Plains and Terraces,  
F133AY140NC - Small Stream Flood Plains, Wet

*Hydric soil rating:* Yes

# **Soil Information for All Uses**

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## **Suitabilities and Limitations for Use**

The Suitabilities and Limitations for Use section includes various soil interpretations displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each interpretation.

## **Vegetative Productivity**

Vegetative productivity includes estimates of potential vegetative production for a variety of land uses, including cropland, forestland, hayland, pastureland, horticulture and rangeland. In the underlying database, some states maintain crop yield data by individual map unit component. Other states maintain the data at the map unit level. Attributes are included for both, although only one or the other is likely to contain data for any given geographic area. For other land uses, productivity data is shown only at the map unit component level. Examples include potential crop yields under irrigated and nonirrigated conditions, forest productivity, forest site index, and total rangeland production under of normal, favorable and unfavorable conditions.

## **Yields of Non-Irrigated Crops (Component): Corn (Bu)**

These are the estimated average yields per acre that can be expected of selected nonirrigated crops under a high level of management. In any given year, yields may be higher or lower than those indicated because of variations in rainfall and other climatic factors.

In the database, some states maintain crop yield data by individual map unit component and others maintain the data at the map unit level. Attributes are included in this application for both, although only one or the other is likely to contain data for any given geographic area. This attribute uses data maintained at the map unit component level.

The yields are actually recorded as three separate values in the database. A low value and a high value indicate the range for the soil component. A "representative"

## Custom Soil Resource Report

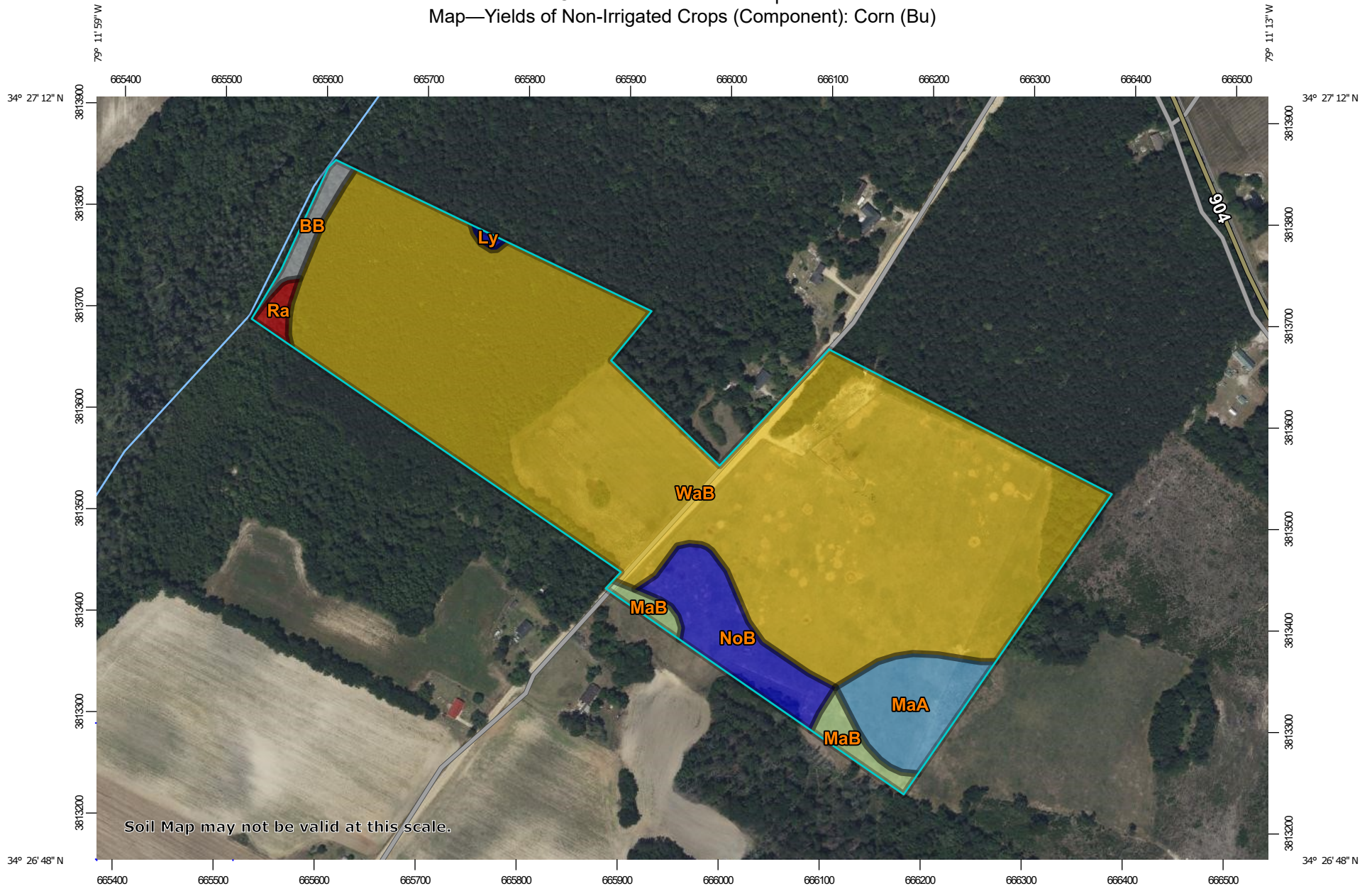
value indicates the expected value for the component. For these yields, only the representative value is used.

The yields are based mainly on the experience and records of farmers, conservationists, and extension agents. Available yield data from nearby areas and results of field trials and demonstrations also are considered.

The management needed to obtain the indicated yields of the various crops depends on the kind of soil and the crop. Management can include drainage, erosion control, and protection from flooding; the proper planting and seeding rates; suitable high-yielding crop varieties; appropriate and timely tillage; control of weeds, plant diseases, and harmful insects; favorable soil reaction and optimum levels of nitrogen, phosphorus, potassium, and trace elements for each crop; effective use of crop residue, barnyard manure, and green manure crops; and harvesting that ensures the smallest possible loss.

The estimated yields reflect the productive capacity of each soil for the selected crop. Yields are likely to increase as new production technology is developed. The productivity of a given soil compared with that of other soils, however, is not likely to change.

Custom Soil Resource Report  
Map—Yields of Non-Irrigated Crops (Component): Corn (Bu)



Map Scale: 1:5,300 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84









### MAP LEGEND

**Area of Interest (AOI)**







 Area of Interest (AOI)

**Soils**







**Soil Rating Polygons**

-  <= 45.00
-  > 45.00 and <= 70.11
-  > 70.11 and <= 108.00
-  > 108.00 and <= 110.00
-  > 110.00 and <= 113.64
-  Not rated or not available


**Soil Rating Lines**

-  <= 45.00
-  > 45.00 and <= 70.11
-  > 70.11 and <= 108.00
-  > 108.00 and <= 110.00
-  > 110.00 and <= 113.64
-  Not rated or not available






**Soil Rating Points**

-  <= 45.00
-  > 45.00 and <= 70.11
-  > 70.11 and <= 108.00
-  > 108.00 and <= 110.00
-  > 110.00 and <= 113.64
-  Not rated or not available


**Water Features**

 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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:  
 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: Robeson County, North Carolina  
 Survey Area Data: Version 25, Sep 10, 2025

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

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

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.

**Table—Yields of Non-Irrigated Crops (Component): Corn (Bu)**

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
BB	Bibb soils		0.7	1.3%
Ly	Lynchburg sandy loam, 0 to 2 percent slopes	113.64	0.1	0.2%
MaA	Marlboro sandy loam, 0 to 2 percent slopes	110.00	2.7	5.5%
MaB	Marlboro sandy loam, 2 to 6 percent slopes	108.00	1.1	2.1%
NoB	Norfolk loamy sand, 2 to 6 percent slopes	111.95	3.0	6.0%
Ra	Rains sandy loam, 0 to 2 percent slopes	45.00	0.4	0.7%
WaB	Wagram loamy sand, 0 to 6 percent slopes	70.11	42.0	84.1%
<b>Totals for Area of Interest</b>			<b>49.9</b>	<b>100.0%</b>

**Rating Options—Yields of Non-Irrigated Crops (Component): Corn (Bu)**

*Crop:* Corn

*Yield Units:* Bu

*Aggregation Method:* Weighted Average

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher

*Interpret Nulls as Zero:* Yes

**Yields of Non-Irrigated Crops (Component): Soybeans (Bu)**

These are the estimated average yields per acre that can be expected of selected nonirrigated crops under a high level of management. In any given year, yields may be higher or lower than those indicated because of variations in rainfall and other climatic factors.

In the database, some states maintain crop yield data by individual map unit component and others maintain the data at the map unit level. Attributes are included in this application for both, although only one or the other is likely to contain data for any given geographic area. This attribute uses data maintained at the map unit component level.

## Custom Soil Resource Report

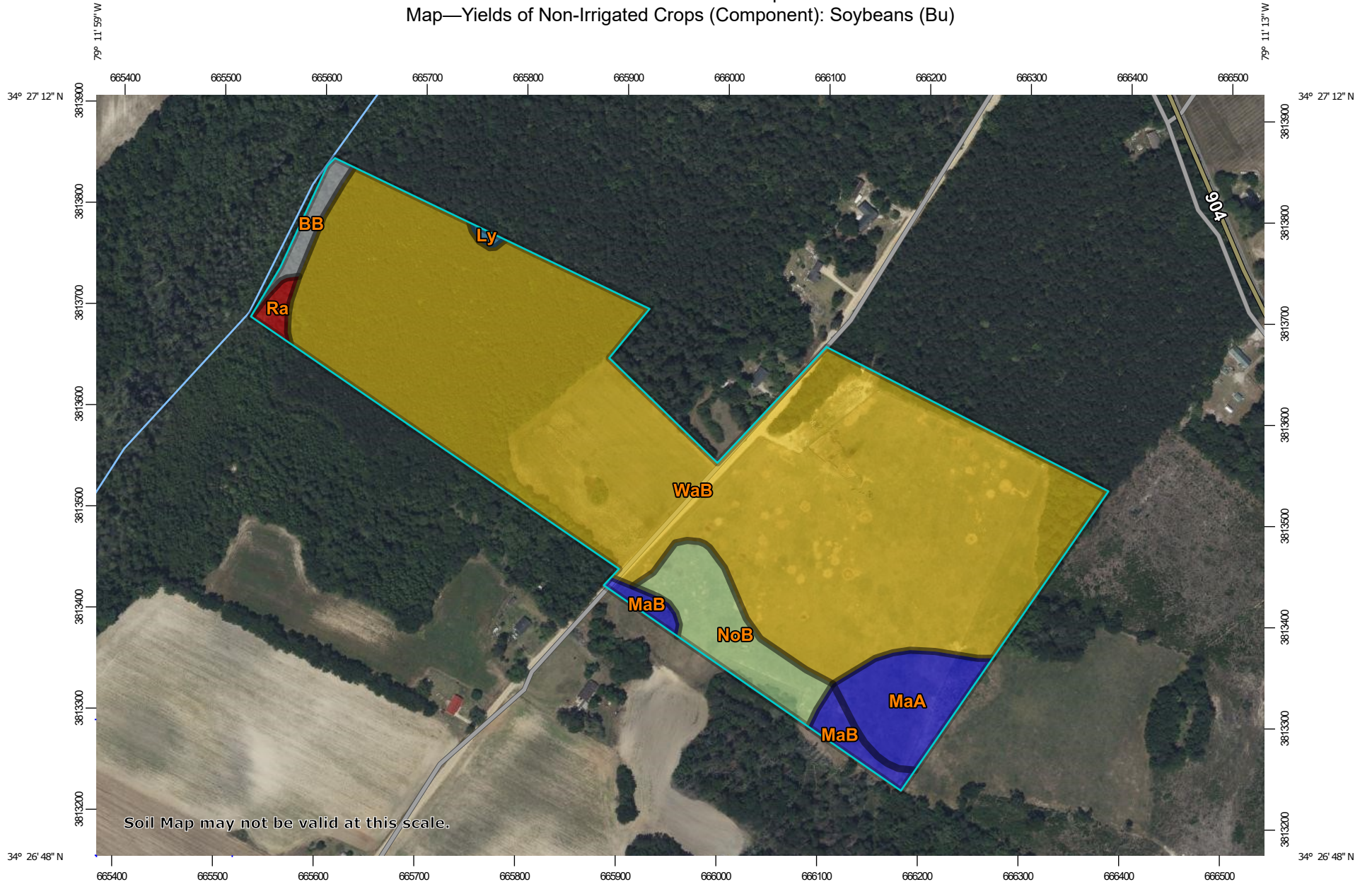
The yields are actually recorded as three separate values in the database. A low value and a high value indicate the range for the soil component. A "representative" value indicates the expected value for the component. For these yields, only the representative value is used.

The yields are based mainly on the experience and records of farmers, conservationists, and extension agents. Available yield data from nearby areas and results of field trials and demonstrations also are considered.

The management needed to obtain the indicated yields of the various crops depends on the kind of soil and the crop. Management can include drainage, erosion control, and protection from flooding; the proper planting and seeding rates; suitable high-yielding crop varieties; appropriate and timely tillage; control of weeds, plant diseases, and harmful insects; favorable soil reaction and optimum levels of nitrogen, phosphorus, potassium, and trace elements for each crop; effective use of crop residue, barnyard manure, and green manure crops; and harvesting that ensures the smallest possible loss.

The estimated yields reflect the productive capacity of each soil for the selected crop. Yields are likely to increase as new production technology is developed. The productivity of a given soil compared with that of other soils, however, is not likely to change.


Custom Soil Resource Report  
Map—Yields of Non-Irrigated Crops (Component): Soybeans (Bu)



Map Scale: 1:5,300 if printed on A landscape (11" x 8.5") sheet.  
0 50 100 200 300 Meters  
0 250 500 1000 1500 Feet  
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84







### MAP LEGEND

**Area of Interest (AOI)**







 Area of Interest (AOI)

**Soils**







**Soil Rating Polygons**

-  <= 15.16
-  > 15.16 and <= 25.58
-  > 25.58 and <= 40.71
-  > 40.71 and <= 42.07
-  > 42.07 and <= 45.00
-  Not rated or not available

**Soil Rating Lines**

-  <= 15.16
-  > 15.16 and <= 25.58
-  > 25.58 and <= 40.71
-  > 40.71 and <= 42.07
-  > 42.07 and <= 45.00
-  Not rated or not available






**Soil Rating Points**

-  <= 15.16
-  > 15.16 and <= 25.58
-  > 25.58 and <= 40.71
-  > 40.71 and <= 42.07
-  > 42.07 and <= 45.00
-  Not rated or not available


**Water Features**

 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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:  
 Coordinate System: Web Mercator (EPSG:3857)

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Soil Survey Area: Robeson County, North Carolina  
 Survey Area Data: Version 25, Sep 10, 2025

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

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

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.

**Table—Yields of Non-Irrigated Crops (Component): Soybeans (Bu)**

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
BB	Bibb soils		0.7	1.3%
Ly	Lynchburg sandy loam, 0 to 2 percent slopes	42.07	0.1	0.2%
MaA	Marlboro sandy loam, 0 to 2 percent slopes	45.00	2.7	5.5%
MaB	Marlboro sandy loam, 2 to 6 percent slopes	44.00	1.1	2.1%
NoB	Norfolk loamy sand, 2 to 6 percent slopes	40.71	3.0	6.0%
Ra	Rains sandy loam, 0 to 2 percent slopes	15.16	0.4	0.7%
WaB	Wagram loamy sand, 0 to 6 percent slopes	25.58	42.0	84.1%
<b>Totals for Area of Interest</b>			<b>49.9</b>	<b>100.0%</b>

**Rating Options—Yields of Non-Irrigated Crops (Component): Soybeans (Bu)**

*Crop:* Soybeans

*Yield Units:* Bu

*Aggregation Method:* Weighted Average

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher

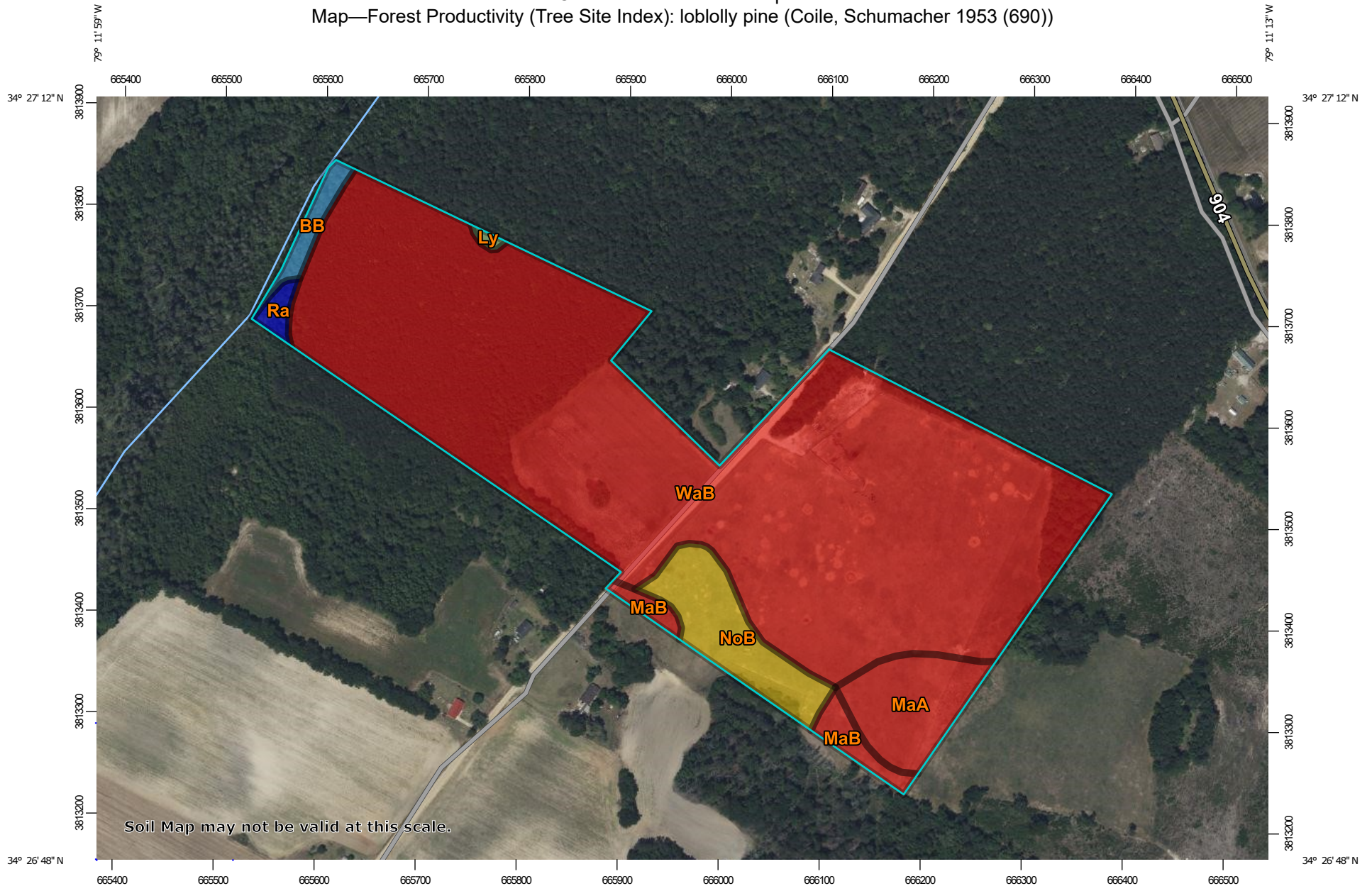
*Interpret Nulls as Zero:* Yes

**Forest Productivity (Tree Site Index): loblolly pine (Coile, Schumacher 1953 (690))**

The "site index" is the average height, in feet, that dominant and codominant trees of a given species attain in a specified number of years. The site index applies to fully stocked, even-aged, unmanaged stands.

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 attribute, only the representative value is used.

Custom Soil Resource Report  
Map—Forest Productivity (Tree Site Index): loblolly pine (Coile, Schumacher 1953 (690))



Map Scale: 1:5,300 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84









### MAP LEGEND

**Area of Interest (AOI)**







 Area of Interest (AOI)

**Soils**







**Soil Rating Polygons**

-  <= 82
-  > 82 and <= 84
-  > 84 and <= 86
-  > 86 and <= 90
-  > 90 and <= 94
-  Not rated or not available

**Soil Rating Lines**

-  <= 82
-  > 82 and <= 84
-  > 84 and <= 86
-  > 86 and <= 90
-  > 90 and <= 94
-  Not rated or not available






**Soil Rating Points**

-  <= 82
-  > 82 and <= 84
-  > 84 and <= 86
-  > 86 and <= 90
-  > 90 and <= 94
-  Not rated or not available


**Water Features**

 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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

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

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

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Soil Survey Area: Robeson County, North Carolina  
 Survey Area Data: Version 25, Sep 10, 2025

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

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

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.

**Table—Forest Productivity (Tree Site Index): loblolly pine (Coile, Schumacher 1953 (690))**

Map unit symbol	Map unit name	Rating (feet)	Acres in AOI	Percent of AOI
BB	Bibb soils	90	0.7	1.3%
Ly	Lynchburg sandy loam, 0 to 2 percent slopes	86	0.1	0.2%
MaA	Marlboro sandy loam, 0 to 2 percent slopes	82	2.7	5.5%
MaB	Marlboro sandy loam, 2 to 6 percent slopes	82	1.1	2.1%
NoB	Norfolk loamy sand, 2 to 6 percent slopes	84	3.0	6.0%
Ra	Rains sandy loam, 0 to 2 percent slopes	94	0.4	0.7%
WaB	Wagram loamy sand, 0 to 6 percent slopes	81	42.0	84.1%
<b>Totals for Area of Interest</b>			<b>49.9</b>	<b>100.0%</b>

**Rating Options—Forest Productivity (Tree Site Index): loblolly pine (Coile, Schumacher 1953 (690))**

*Units of Measure:* feet

*Tree:* loblolly pine

*Site Index Base:* Coile, Schumacher 1953 (690)

*Aggregation Method:* Dominant Component

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher

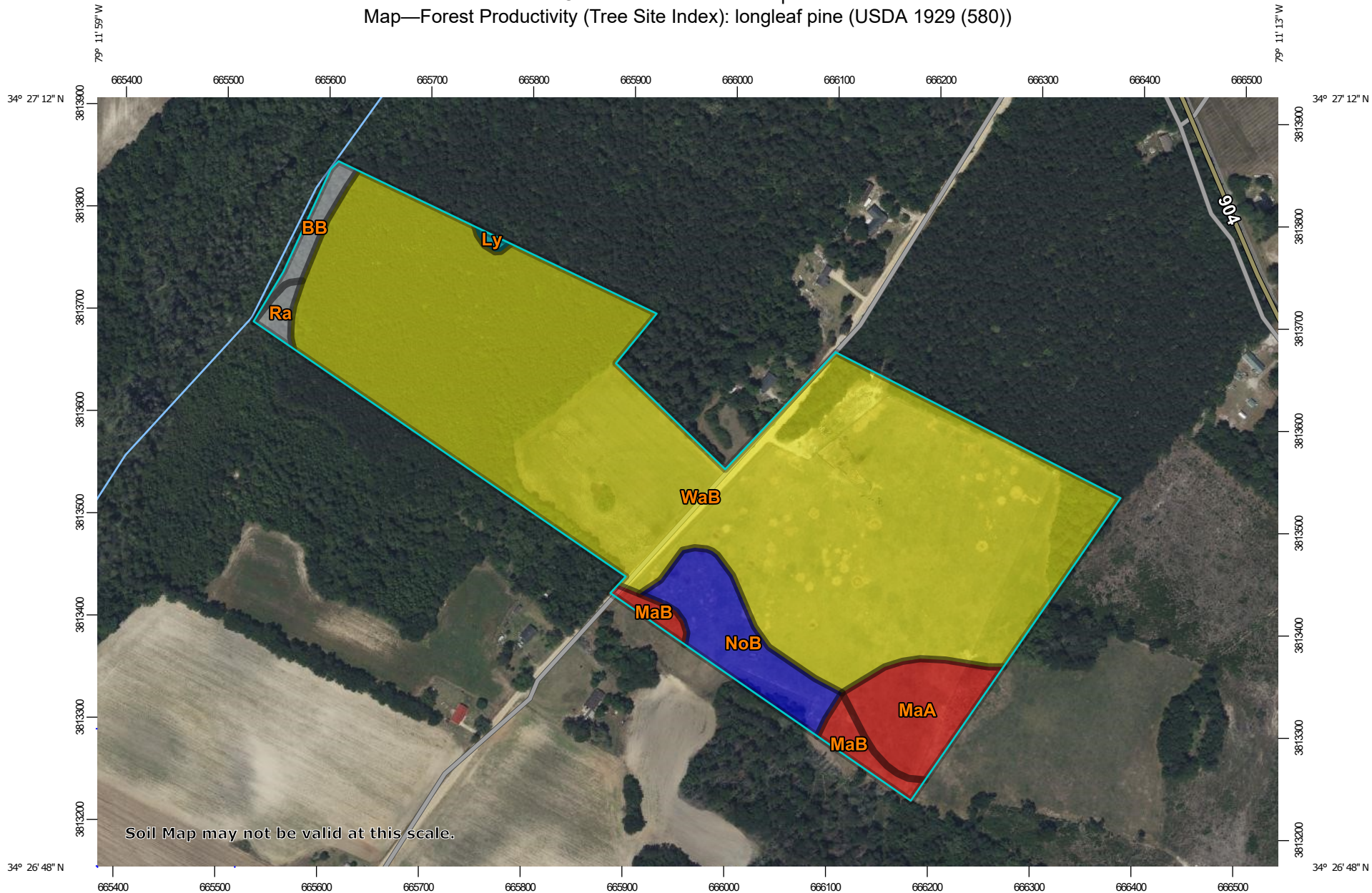
*Interpret Nulls as Zero:* No

**Forest Productivity (Tree Site Index): longleaf pine (USDA 1929 (580))**

The "site index" is the average height, in feet, that dominant and codominant trees of a given species attain in a specified number of years. The site index applies to fully stocked, even-aged, unmanaged stands.

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 attribute, only the representative value is used.

Custom Soil Resource Report  
Map—Forest Productivity (Tree Site Index): longleaf pine (USDA 1929 (580))



Map Scale: 1:5,300 if printed on A landscape (11" x 8.5") sheet.

0 50 100 200 300 Meters


0 250 500 1000 1500 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84








### MAP LEGEND

**Area of Interest (AOI)**






 Area of Interest (AOI)

**Soils**






**Soil Rating Polygons**

-  <= 62
-  > 62 and <= 72
-  > 72 and <= 74
-  > 74 and <= 77
-  Not rated or not available

**Soil Rating Lines**

-  <= 62
-  > 62 and <= 72
-  > 72 and <= 74
-  > 74 and <= 77
-  Not rated or not available

**Soil Rating Points**

-  <= 62
-  > 62 and <= 72
-  > 72 and <= 74
-  > 74 and <= 77
-  Not rated or not available

**Water Features**


 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways

-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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

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

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 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: Robeson County, North Carolina  
 Survey Area Data: Version 25, Sep 10, 2025

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

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

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.

**Table—Forest Productivity (Tree Site Index): longleaf pine (USDA 1929 (580))**

Map unit symbol	Map unit name	Rating (feet)	Acres in AOI	Percent of AOI
BB	Bibb soils		0.7	1.3%
Ly	Lynchburg sandy loam, 0 to 2 percent slopes	74	0.1	0.2%
MaA	Marlboro sandy loam, 0 to 2 percent slopes	62	2.7	5.5%
MaB	Marlboro sandy loam, 2 to 6 percent slopes	62	1.1	2.1%
NoB	Norfolk loamy sand, 2 to 6 percent slopes	77	3.0	6.0%
Ra	Rains sandy loam, 0 to 2 percent slopes		0.4	0.7%
WaB	Wagram loamy sand, 0 to 6 percent slopes	72	42.0	84.1%
<b>Totals for Area of Interest</b>			<b>49.9</b>	<b>100.0%</b>

**Rating Options—Forest Productivity (Tree Site Index): longleaf pine (USDA 1929 (580))**

*Units of Measure:* feet

*Tree:* longleaf pine

*Site Index Base:* USDA 1929 (580)

*Aggregation Method:* Dominant Component

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher

*Interpret Nulls as Zero:* No

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