

## **GOPHER TORTOISE SOIL SUITABILITY**

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The soil is interpreted as a habitat component according to its potential to be used by gopher tortoise (*Gopherus polyphemus*) in excavating burrows. Burrows are considered a necessary part of specific local habitat. The guide to interpretive criteria is intended to provide guidelines in the identification and selection of sites that have the most potential for preserving, maintaining, or increasing local populations of gopher tortoise.

This interpretation guide is of a more general nature. It is designed to be used in the planning process to identify areas of concern prior to the application of conservation practices. Based upon the wildlife objectives, these areas can be avoided or practices can be adjusted to minimize damage to the burrow habitat. The guide does not take into account climate or soil temperature that may influence the presence or distribution patterns of a species. The presence or absence of a species is determined at the local level.

The interpretations provide suitability ratings and identify the dominant soil characteristics that influence the suitability of the site for burrowing by gopher tortoise. This information allows the user to plan and develop alternatives in site selection by identifying the site that best meets the wildlife habitat requirements.

Soils that are rated HIGHLY SUITABLE have no restrictions to use and are favorable for burrowing by gopher tortoise. Colonization and population densities may be above average if other habitat factors are not limiting. A MODERATELY SUITABLE rating implies that the site is suitable and is somewhat favorable for habitat to burrowing by gopher tortoise and that few restrictive features may limit the use of the site somewhat. Colonization and population densities may be average to above for the area if the other habitat requirements are met. A LESS SUITABLE rating indicates that the soil characteristics are such that they may limit establishment, maintenance, or use of the site by gopher tortoise. Colonization and population densities may be below average or restricted in the area due to the limiting factors even though all of the other species habitat requirements are met. A MARGINAL rating indicates that the soil characteristics are such that they may limit establishment, maintenance, or use of the site by gopher tortoise. Colonization and population densities will be limited due to restricted features of soil. An UNSUITABLE rating indicates that the soil characteristics are such that they may limit establishment, maintenance, or use of the site by gopher tortoise. The final identification and selection of a site suitable for burrowing by gopher tortoise is determined by the limitation of the soil as it influences excavation, maintenance, and preservation of the burrows. The guide identifies the soil restricting features that will have the most effect on habitat.

The criteria used for rating the soils for gopher tortoise habitat are as follows:

### DEPTH OF EXCAVATABLE MATERIAL

Depth of A and E horizons-- (surface and subsurface layers) that have less than 15 percent clay and are greater than 20 inches thick (Grossarenic and Arenic) help burrowing species with the establishment of burrows.

*Highly Suitable:  $\geq 40''$ ; Moderately Suitable:  $\geq 20 - 40''$ ; Less Suitable:  $< 20''$   
Marginally Suitable: 15-35% clay; Unsuitable:  $\geq 35\%$  clay*

### DEPTH TO RESTRICTIVE LAYER

Restrictive layers such as plinthic zones, fragipan, or spodic horizons are thought to adversely affect the potential depth of excavation by burrowing species. The layers may be too dense for the species to excavate or it may be the perched water over this layer. Shallow depth to a restrictive layer limits the depth of habitat.

*Well Suited:  $\geq 200$  cm; Somewhat Suited:  $\geq 50 - 200$  cm; Not Suited:  $< 50$  cm*

### FRAGMENTS > 5MM

Gravel adversely affects the potential depth of excavation by burrowing species. High concentrations of gravel and rock fragments adversely affect the excavation of soil by burrowing species. The horizons with gravel and or rock fragments that is greater than 5 mm in size and contains 15 percent by volume or more limits the species ability to excavate a burrow if it is within 80 inches of surface. The physical effort to dislodge or transport the rock fragments from the burrow may be beyond the abilities of the species.

*Well Suited:  $> 85\%$  passing #4 sieve; Somewhat Suited: 65-85% passing; Less Suited:  $< 65\%$  passing*

### PONDING

Ponding or standing water adversely affects gopher tortoise habitat.

*Well Suited: None; Somewhat Suited: Rare; Not Suited: Occasional, Common, Frequent*

### FLOODING

Flooding from stream over flow can adversely affect habitat and burrowing suitability. In areas subject to flooding, the gopher tortoise are evicted, species are drowned both young hatchling and adults, eggs destroyed, and the walls of the burrows may collapse or become filled with debris and water. Any effort of the animals to return to the site is delayed until the floodwater has receded and the soils have dried sufficiently to allow renewed activity. Also, gopher tortoises may have a higher impact from predation during flooding events while evicted from burrows.

*Well Suited: None, Very Rare; Somewhat Suited: Rare;  
Not Suited: Occasional, Common, Frequent, Very Frequent*

## WATER TABLE

A seasonal high water table can affect burrowing species by restricting burrowing, and possibly cause drowning when the water table returns. Caving or tunnel collapse may be a problem, especially during the rising and falling of the water table depths between seasons of year. Perched or apparent water tables can increase drowning of species during wet periods especially during inactive times.

*Well Suited:  $\geq 200$  cm; Somewhat Suited:  $\geq 50 - 200$  cm; Not Suited:  $\leq 50$  cm*

## SLOPE

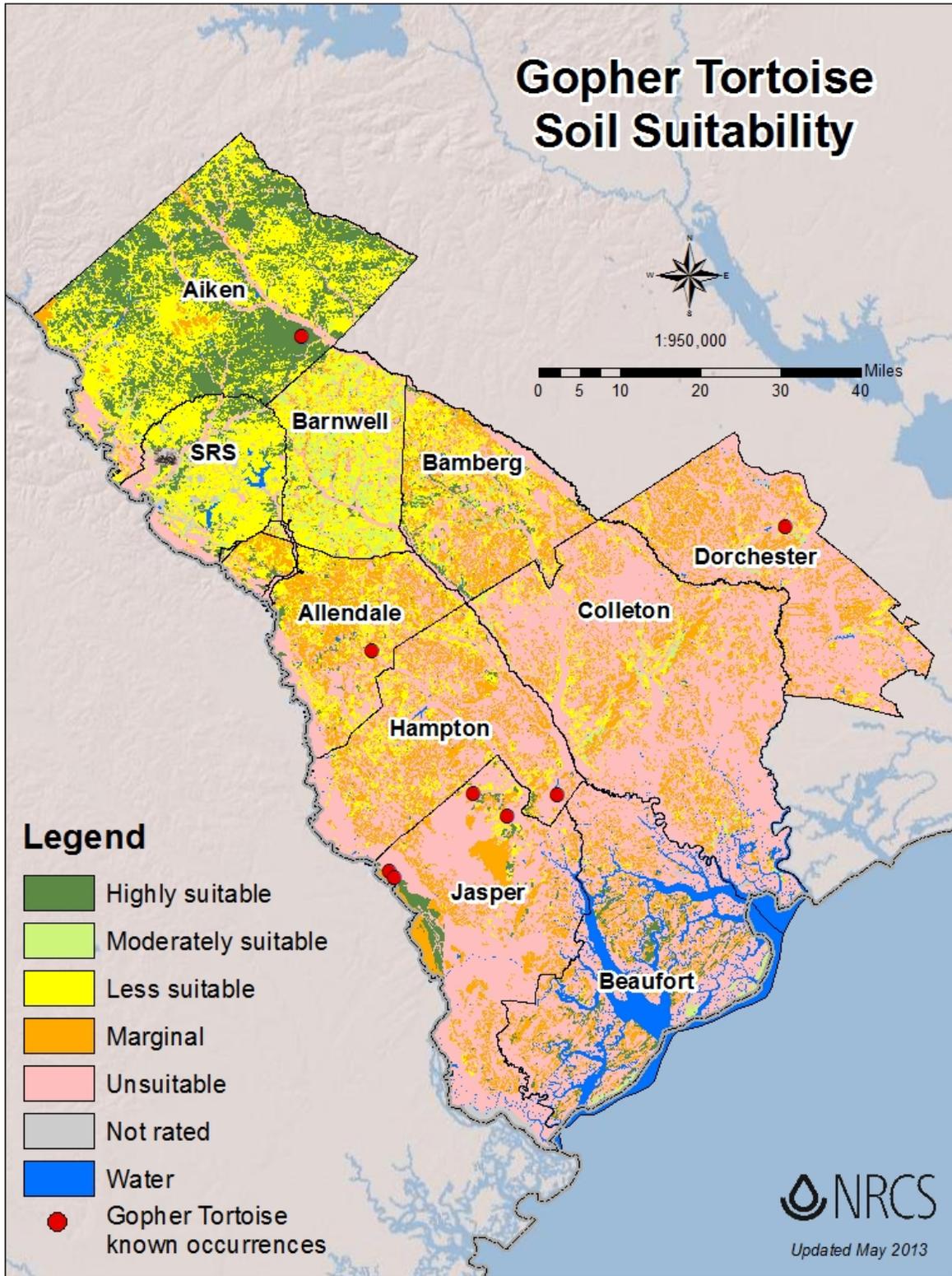
Soils that have a surface slope that is steeper than 15 percent fall per 100 feet horizontal distance tend to adversely affect habitat suitability.

*Well Suited:  $< 15\%$ ; Somewhat Suited:  $\geq 15$  to  $35\%$ ; Not Suited:  $\geq 35\%$*

### Gopher Tortoise Soil Suitability Classes

Suitability Class	Suitability Index
Highly Suitable	1.00
Moderately Suitable	0.99
Less Suitable	0.84 to 0.98
Marginal	0.45 to 0.83
Unsuitable	0.04 to 0.44

# Gopher Tortoise Soil Suitability



## Gopher Tortoise Habitat Suitability Tables from the National Soil Information System (NASIS) Database

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Gopher Tortoise Habitat Suitability

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 0.99. The smaller the value, the lower the suitability.

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
AeB: Ailey	100	Less suitable Diggability index	0.84
AnA: Angie	94	Marginal Diggability index Wetness	0.38 0.48
Ba: Bayboro	100	Unsuitable Wetness Diggability index	0.00 0.32
Bb: Bethera	90	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.31
Bc: Bibb	100	Unsuitable Wetness	0.00
Ch: Chewacla	97	Unsuitable Wetness Diggability index	0.00 0.78
Da: Dasher	95	Unsuitable Diggability index Content of rock fragments Ponding Wetness	0.00 0.00 0.00 0.00

Gopher Tortoise Habitat Suitability - Aiken

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
DoA: Dothan	100	Less suitable Wetness Diggability index	0.48 0.81
DoB: Dothan	100	Less suitable Wetness Diggability index	0.48 0.81
DoC: Dothan	100	Less suitable Wetness Diggability index	0.48 0.81
EuA: Eunola	96	Marginal Wetness Diggability index	0.07 0.82
FaA: Faceville	100	Marginal Diggability index	0.33
FaB: Faceville	100	Marginal Diggability index	0.33
FaC: Faceville	100	Marginal Diggability index	0.33
FoB: Foxworth	100	Less suitable Wetness Diggability index	0.63 0.99
FuA: Fuquay	100	Less suitable Wetness Diggability index	0.69 0.84

Gopher Tortoise Habitat Suitability - Aiken

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
FuB: Fuquay	100	Less suitable Wetness Diggability index	0.69 0.84
FuC: Fuquay	100	Less suitable Wetness Diggability index	0.69 0.84
GrA: Greenville	100	Marginal Diggability index	0.39
GrB: Greenville	100	Marginal Diggability index	0.39
GrC: Greenville	100	Marginal Diggability index	0.39
GuD: Gundy	100	Marginal Diggability index Soil depth Slope	0.30 0.65 0.88
HwC: Hiwassee	100	Marginal Diggability index	0.31
HwE: Hiwassee	100	Marginal Diggability index Slope	0.31 0.96
Jo: Johnston	100	Unsuitable Ponding Wetness	0.00 0.00

Gopher Tortoise Habitat Suitability - Aiken

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
LaB: Lakeland	100	Highly suitable	
LaD: Lakeland	95	Highly suitable	
LaE: Lakeland	95	Moderately suitable Slope	0.88
LuA: Lucy	100	Moderately suitable Diggability index	0.86
LuB: Lucy	100	Moderately suitable Diggability index	0.86
MaA: Marlboro	100	Marginal Diggability index	0.34
MaB: Marlboro	100	Marginal Diggability index	0.34
Oc: Ochlockonee	100	Less suitable Wetness	0.48
Od: Ocilla	96	Not rated	
Og: Ogeechee	90	Unsuitable Wetness Diggability index	0.00 0.82
OrA: Orangeburg	100	Less suitable Diggability index	0.79
OrB: Orangeburg	100	Less suitable Diggability index	0.79

Gopher Tortoise Habitat Suitability - Aiken

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
OrC: Orangeburg	100	Less suitable Diggability index	0.79
PaB: Pacolet	100	Marginal Diggability index	0.31
PaD: Pacolet	100	Marginal Diggability index	0.31
PaE: Pacolet	100	Marginal Diggability index Slope	0.31 0.88
Re: Rembert	90	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.32
Sh: Shellbluff	100	Less suitable Wetness Diggability index	0.48 0.54
To: Toccoa	97	Marginal Wetness	0.43
TrB: Troup	90	Highly suitable	
TrC: Troup	90	Highly suitable	
TrE: Troup	90	Moderately suitable Slope	0.96

Gopher Tortoise Habitat Suitability - Aiken

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
UaB: Udorthents	60	Not rated	
Arents	40	Not rated	
VaB: Vaucluse	100	Less suitable Diggability index	0.81
VcD: Vaucluse	65	Less suitable Diggability index	0.81
Ailey	25	Less suitable Diggability index	0.84
VcE: Vaucluse	65	Less suitable Diggability index Slope	0.81 0.88
Ailey	25	Less suitable Diggability index	0.84
VuE: Vaucluse	70	Less suitable Diggability index Slope	0.81 0.88
Udorthents	30	Not rated	
W: Water	100	Not rated	
WaF: Wateree	100	Unsuitable Slope Soil depth	0.00 0.01
Wm: Williman	100	Unsuitable Wetness Diggability index	0.00 0.85

Gopher Tortoise Habitat Suitability

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Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
AtA: Autryville	100	Less suitable Wetness Diggability index	0.48 0.88
AtB: Autryville	100	Less suitable Wetness Diggability index	0.48 0.88
BaB: Blanton	100	Less suitable Wetness	0.48
BaC: Blanton	95	Less suitable Wetness	0.48
BgB: Blanton	100	Less suitable Wetness	0.48
BoA: Bonneau	100	Marginal Wetness Diggability index	0.38 0.85
BoB: Bonneau	95	Marginal Wetness Diggability index	0.38 0.85

Gopher Tortoise Habitat Suitability - Allendale

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
By: Byars	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.34
CaA: Cahaba	100	Less suitable Diggability index	0.82
CaB: Cahaba	100	Less suitable Diggability index	0.82
CoB: Cowarts	100	Less suitable Diggability index	0.79
CoC: Cowarts	100	Less suitable Diggability index	0.79
CoD: Cowarts	100	Less suitable Diggability index	0.79
CvB: Cowarts	100	Less suitable Diggability index	0.81
CvC: Cowarts	100	Less suitable Diggability index	0.81
Cx: Coxville	95	Unsuitable Wetness Diggability index	0.00 0.33

Gopher Tortoise Habitat Suitability - Allendale

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
EaA: Emporia	100	Marginal Wetness Diggability index	0.27 0.63
EaB: Emporia	100	Marginal Wetness Diggability index	0.27 0.63
EgA: Emporia	100	Marginal Wetness Diggability index	0.27 0.63
EgB: Emporia	100	Marginal Wetness Diggability index	0.27 0.63
EnA: Eulonia	95	Unsuitable Wetness Diggability index	0.00 0.33
EoA: Eunola	97	Unsuitable Wetness Diggability index	0.00 0.81
FoB: Foxworth	100	Marginal Wetness Diggability index	0.38 0.99
GoA: Goldsboro	90	Marginal Wetness Diggability index	0.07 0.82

Gopher Tortoise Habitat Suitability - Allendale

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
LaB: Lakeland	100	Highly suitable	
LaC: Lakeland	100	Highly suitable	
Ly: Lynchburg	93	Unsuitable	
		Wetness	0.00
		Diggability index	0.83
NbA: Noboco	100	Marginal	
		Wetness	0.27
		Diggability index	0.81
NbB: Noboco	90	Marginal	
		Wetness	0.17
		Diggability index	0.81
NoA: Norfolk	100	Less suitable	
		Wetness	0.48
		Diggability index	0.81
NoB: Norfolk	90	Less suitable	
		Wetness	0.48
		Diggability index	0.81
OcA: Ocilla	96	Unsuitable	
		Wetness	0.00
		Diggability index	0.85
Og: Ogeechee	95	Unsuitable	
		Wetness	0.00
		Diggability index	0.82

Gopher Tortoise Habitat Suitability - Allendale

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
OrA: Orangeburg	100	Less suitable Diggability index	0.81
OrB: Orangeburg	100	Less suitable Diggability index	0.81
OrB2: Orangeburg	100	Less suitable Diggability index	0.78
Oy: Osier	75	Unsuitable Wetness Flooding	0.00 0.00
Pickney	25	Unsuitable  Wetness Flooding	  0.00 0.00
Pa: Pantego	93	Unsuitable Wetness Diggability index	0.00 0.82
Pe: Pelham	93	Unsuitable Wetness Diggability index	0.00 0.85
Pk: Pickney	100	Unsuitable Wetness Flooding	0.00 0.00

Gopher Tortoise Habitat Suitability - Allendale

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Po: Ponzer	100	Unsuitable Diggability index Content of rock fragments Wetness Flooding	0.00 0.00 0.00 0.00
Ra: Rains	100	Unsuitable Wetness Diggability index	0.00 0.82
Re: Rembert	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.31
Tc: Tawcaw	55	Unsuitable Wetness Flooding Diggability index	0.00 0.00 0.29
Chastain	45	Unsuitable Wetness Flooding Diggability index	0.00 0.00 0.28
UcB: Uchee	100	Marginal Wetness Diggability index	0.38 0.64
UcC: Uchee	100	Marginal Wetness Diggability index	0.38 0.64

Gopher Tortoise Habitat Suitability - Allendale

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
UgB: Uchee	100	Marginal Wetness Diggability index	0.38 0.64
UgC: Uchee	100	Marginal Wetness Diggability index	0.38 0.64
Uo: Udorthents	100	Not rated	
W: Water	100	Not rated	
Wa: Wahee	95	Unsuitable Wetness Diggability index	0.00 0.34
Ye: Yemassee	97	Unsuitable Wetness Diggability index	0.00 0.82

## Bamberg County, South Carolina

Print date: 05/14/2013

### Gopher Tortoise Habitat Suitability

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 0.99. The smaller the value, the lower the suitability.

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
AeB: Ailey	90	Less suitable Diggability index	0.70
AeC: Ailey	90	Less suitable Diggability index	0.70
AlB: Alaga	90	Highly suitable	
AnA: Albany	90	Unsuitable Wetness	0.00
AuB: Autryville	90	Less suitable Wetness Diggability index	0.48 0.93
BaB: Barnwell	90	Less suitable Wetness Diggability index	0.51 0.59
BaC: Barnwell	85	Less suitable Wetness Diggability index	0.48 0.59

Gopher Tortoise Habitat Suitability -- Bamberg

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
BeB2: Barnwell	85	Less suitable	
		Wetness	0.51
		Diggability index	0.57
BeC2: Barnwell	85	Less suitable	
		Wetness	0.51
		Diggability index	0.57
BnA: Blanton	85	Less suitable	
		Wetness	0.48
BnB: Blanton	85	Less suitable	
		Wetness	0.48
BnC: Blanton	85	Less suitable	
		Wetness	0.48
BoA: Bonneau	90	Marginal	
		Wetness	0.38
		Diggability index	0.68
BoB: Bonneau	90	Marginal	
		Wetness	0.38
		Diggability index	0.68
ByA: Byars	90	Unsuitable	
		Ponding	0.00
		Wetness	0.00
		Diggability index	0.35

Gopher Tortoise Habitat Suitability -- Bamberg

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
CoA: Coxville	90	Unsuitable Wetness Diggability index	0.00 0.38
EcA: Echaw	85	Marginal Wetness	0.17
EoA: Elloree	90	Unsuitable Wetness Flooding Diggability index	0.00 0.00 0.97
EuA: Eunola	90	Unsuitable Wetness Diggability index	0.00 0.80
FsA: Fluvaquents	30	Not rated	
Osier	25	Unsuitable Wetness Flooding	0.00 0.00
Grifton	15	Unsuitable Wetness Flooding Diggability index	0.00 0.00 0.82
FxB: Foxworth	90	Less suitable Wetness Diggability index	0.48 0.99
GoA: Goldsboro	90	Marginal Wetness Diggability index	0.07 0.68

Gopher Tortoise Habitat Suitability -- Bamberg

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
GsA: Grifton	45	Unsuitable Wetness Flooding Diggability index	 0.00 0.00 0.82
Osier	40	Unsuitable Wetness Flooding	 0.00 0.00
HbA: Hobonny	90	Unsuitable Diggability index Content of rock fragments Wetness Flooding	 0.00 0.00 0.00 0.33
JnA: Johns	90	Unsuitable Wetness Diggability index	 0.00 0.81
JsA: Johnston	90	Unsuitable Ponding Wetness Flooding	 0.00 0.00 0.00
LcB: Lucy	85	Moderately suitable Diggability index	 0.86
LuA: Lumbee	85	Unsuitable Wetness Flooding Diggability index	 0.00 0.00 0.81

Gopher Tortoise Habitat Suitability -- Bamberg

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
LyA: Lynchburg	90	Unsuitable Wetness Diggability index	0.00 0.80
McA: McColl	90	Unsuitable Ponding Wetness Soil depth Diggability index	0.00 0.00 0.04 0.32
MgA: Meggett	90	Unsuitable Wetness Flooding Diggability index	0.00 0.00 0.35
NaB: Nankin	90	Marginal Diggability index Wetness	0.31 0.51
NaC: Nankin	90	Marginal Diggability index	0.31
NbB2: Nankin	90	Marginal Diggability index	0.31
NbC2: Nankin	90	Marginal Diggability index	0.31
NeB: Neeses	85	Marginal Diggability index	0.35

Gopher Tortoise Habitat Suitability -- Bamberg

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
NeC: Neeses	85	Marginal Diggability index	0.35
NnB2: Neeses	85	Marginal Diggability index	0.33
NnC2: Neeses	85	Marginal Diggability index	0.33
NoA: Noboco	90	Marginal Wetness Diggability index	0.17 0.81
NoB: Noboco	90	Marginal Wetness Diggability index	0.17 0.81
NrA: Norfolk	85	Less suitable Wetness Diggability index	0.67 0.82
NrB: Norfolk	90	Less suitable Wetness Diggability index	0.48 0.82
OcA: Ocilla	90	Unsuitable Wetness Diggability index	0.00 0.84
OgA: Ogeechee	90	Unsuitable Wetness	0.00

Gopher Tortoise Habitat Suitability -- Bamberg

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
OgA: Ogeechee	90	Unsuitable Wetness Diggability index	0.00 0.56
OrA: Orangeburg	85	Less suitable Diggability index	0.82
OrB: Orangeburg	85	Less suitable Diggability index	0.82
OsA: Osier	85	Unsuitable Wetness Flooding	0.00 0.00
PmA: Plummer	85	Unsuitable Wetness	0.00
RaA: Rains	90	Unsuitable Wetness Diggability index	0.00 0.80
RmA: Rembert	90	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.40
SeA: Seagate	80	Unsuitable Wetness Diggability index	0.00 0.86
TrB: Troup	85	Highly suitable	

Gopher Tortoise Habitat Suitability -- Bamberg

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
TrC: Troup	85	Highly suitable	
UcB: Uchee	90	Marginal Wetness Diggability index	0.38 0.85
UcC: Uchee	90	Marginal Wetness Diggability index	0.38 0.85
Ud: Udorthents	90	Not rated	
W: Water	100	Not rated	
WgB: Wagram	85	Moderately suitable Diggability index Wetness	0.87 0.89
WhA: Wahee	90	Unsuitable Wetness Diggability index	0.00 0.30

Gopher Tortoise Habitat Suitability

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 0.99. The smaller the value, the lower the suitability.

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
AeC: Ailey	90	Less suitable Wetness Diggability index	0.48 0.86
AeD: Ailey	85	Less suitable Wetness Diggability index	0.48 0.86
BaB: Blanton	90	Less suitable Wetness	0.48
BaC: Blanton	85	Less suitable Wetness	0.48
Cd: Goldsboro	85	Marginal Wetness Diggability index	0.07 0.80
DaA: Norfolk	90	Less suitable Wetness Diggability index	0.51 0.81
DaB: Barnwell	85	Less suitable Wetness Diggability index	0.51 0.80

Gopher Tortoise Habitat Suitability - Barnwell

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
DaC: Barnwell	85	Less suitable	
		Wetness	0.51
		Diggability index	0.80
Db: Dunbar	90	Unsuitable	
		Wetness	0.00
		Diggability index	0.34
DpA: Duplin	90	Marginal	
		Wetness	0.17
		Diggability index	0.35
FaB: Nankin	90	Marginal	
		Diggability index	0.34
		Wetness	0.51
FaC: Nankin	90	Marginal	
		Diggability index	0.34
		Wetness	0.51
FuA: Wagram	90	Moderately suitable	
		Wetness	0.89
FuB: Wagram	85	Moderately suitable	
		Wetness	0.89
FuC: Ailey	85	Less suitable	
		Wetness	0.48
		Diggability index	0.86

Gopher Tortoise Habitat Suitability - Barnwell

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
JO: Johnston	80	Unsuitable	
		Ponding	0.00
		Wetness	0.00
		Flooding	0.00
		Diggability index	0.99
LaB: Lakeland	90	Highly suitable	
LaC: Lakeland	85	Highly suitable	
Lu: Lumbee	80	Unsuitable	
		Wetness	0.00
		Diggability index	0.79
Mc: McColl	90	Unsuitable	
		Ponding	0.00
		Wetness	0.00
		Soil depth	0.04
		Diggability index	0.33
OrA: Orangeburg	90	Less suitable	
		Diggability index	0.79
OrB: Barnwell	90	Less suitable	
		Wetness	0.51
		Diggability index	0.80
OrC: Barnwell	85	Less suitable	
		Wetness	0.51
		Diggability index	0.80

Gopher Tortoise Habitat Suitability - Barnwell

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Pe: Pelham	80	Unsuitable Wetness Diggability index	0.00 0.88
Pu: Plummer, UNDRAINED	80	Unsuitable Wetness	0.00
Re: Rembert	85	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.31
VaA: Orangeburg	90	Less suitable Diggability index	0.79
VaB: Barnwell	90	Less suitable Wetness Diggability index	0.51 0.80
VaC: Barnwell	85	Less suitable Wetness Diggability index	0.51 0.80
VcB: Neeses	90	Marginal Diggability index	0.32
VcC: Neeses	85	Marginal Diggability index	0.32
VcD: Neeses	80	Marginal Diggability index	0.32

Gopher Tortoise Habitat Suitability - Barnwell

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
W: Water	100	Not rated	

Gopher Tortoise Habitat Suitability

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 0.99. The smaller the value, the lower the suitability.

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Ae: Argent	100	Unsuitable Wetness Diggability index	0.00 0.32
Ag: Argent	100	Unsuitable Wetness Diggability index	0.00 0.31
AN: Argent	100	Unsuitable Wetness Diggability index	0.00 0.32
Ba: Leon	100	Unsuitable Wetness Diggability index	0.00 0.97
Bb: Yauhannah	100	Marginal Wetness Diggability index	0.07 0.83
Bd: Bladen	100	Unsuitable Wetness Diggability index	0.00 0.35
BeB: Blanton	100	Less suitable Wetness	0.69

Gopher Tortoise Habitat Suitability - Beaufort

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
BK: Bohicket	100	Unsuitable	
		Ponding	0.00
		Wetness	0.00
		Diggability index	0.02
Bp: Haplaquents	100	Not rated	
Ca: Cape Fear	100	Unsuitable	
		Wetness	0.00
		Diggability index	0.41
CE: Capers	100	Unsuitable	
		Wetness	0.00
		Diggability index	0.20
CmB: Chisolm	100	Less suitable	
		Wetness	0.48
		Diggability index	0.85
Co: Beaches	100	Not rated	
Cs: Coosaw	100	Marginal	
		Wetness	0.17
		Diggability index	0.86
De: Hobcaw	100	Unsuitable	
		Ponding	0.00
		Wetness	0.00
		Diggability index	0.83
EdB: Eddings	100	Less suitable	
		Wetness	0.48

Gopher Tortoise Habitat Suitability - Beaufort

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Ee: Eulonia	100	Marginal Wetness Diggability index	0.18 0.40
Fb: Fripp	58	Moderately suitable Diggability index	0.95
Leon	34	Unsuitable Wetness Diggability index	0.00 0.97
GoA: Goldsboro	100	Marginal Wetness Diggability index	0.17 0.81
HA: Handsboro	100	Unsuitable Diggability index Content of rock fragments Ponding Wetness	0.00 0.00 0.00 0.00
HB: Hobonny	100	Unsuitable Diggability index Content of rock fragments Ponding Wetness	0.00 0.00 0.00 0.00
LE: Levy	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.28

Gopher Tortoise Habitat Suitability - Beaufort

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Mu: Murad	100	Marginal Wetness	0.13
NeA: Nemours	100	Marginal Wetness Diggability index	0.07 0.10
NeB: Nemours	100	Marginal Wetness Diggability index	0.07 0.10
NoA: Noboco	100	Marginal Wetness Diggability index	0.33 0.82
Oe: Okeetee	96	Unsuitable Wetness Diggability index	0.00 0.34
On: Yemassee	100	Unsuitable Wetness Diggability index	0.00 0.83
Os: Osier	100	Unsuitable Wetness	0.00
Pk: Pickney	100	Unsuitable Ponding Wetness	0.00 0.00

Gopher Tortoise Habitat Suitability - Beaufort

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Po: Pickney	100	Unsuitable Ponding Wetness	 0.00 0.00
Rd: Ridgeland	100	Marginal Wetness	 0.07
Ro: Lynn Haven	100	Unsuitable Wetness Diggability index	 0.00 0.98
Sa: Santee	100	Unsuitable Ponding Wetness Diggability index	 0.00 0.00 0.34
SE: Santee	100	Unsuitable Ponding Wetness Diggability index	 0.00 0.00 0.34
Sk: Chipley	96	Marginal Wetness Diggability index	 0.17 0.96
Sw: Seewee	95	Unsuitable Wetness Diggability index	 0.00 0.98
To: Ogeechee	100	Unsuitable Wetness Diggability index	 0.00 0.81

Gopher Tortoise Habitat Suitability - Beaufort

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
UL: Udorthents	100	Not rated	
US: Udipsamments	100	Not rated	
W: Water	100	Not rated	
Wa: Wahee	90	Unsuitable Wetness Diggability index	0.00 0.40
Wd: Lakeland	95	Highly suitable	
Wn: Williman	100	Unsuitable Wetness Diggability index	0.00 0.85
Ye: Yemassee	90	Unsuitable Wetness Diggability index	0.00 0.83
Yo: Yonges	100	Unsuitable Wetness Diggability index	0.00 0.83

## Colleton County, South Carolina

Print date: 05/14/2013

### Gopher Tortoise Habitat Suitability

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 0.99. The smaller the value, the lower the suitability.

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
7: Beaches	100	Not rated	
9B: Fripp	50	Moderately suitable Diggability index	0.95
Leon	30	Unsuitable Wetness	0.00
10: Albany	85	Unsuitable Wetness	0.02
11: Argent	85	Unsuitable Wetness Diggability index	0.00 0.31
13: Bladen	80	Unsuitable Wetness Diggability index	0.00 0.40
14B: Blanton	85	Less suitable Wetness	0.69

Gopher Tortoise Habitat Suitability -- Colleton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
15: Bohicket	65	Unsuitable	
		Ponding	0.00
		Wetness	0.00
		Diggability index	0.28
16A: Bonneau	85	Less suitable	
		Wetness	0.53
		Diggability index	0.85
16B: Bonneau	85	Less suitable	
		Wetness	0.53
		Diggability index	0.85
18B: Alpin	85	Moderately suitable	
		Diggability index	0.97
19: Cape Fear	80	Unsuitable	
		Wetness	0.00
		Diggability index	0.31
20: Capers	70	Unsuitable	
		Ponding	0.00
		Wetness	0.00
		Diggability index	0.20
21: Chipley	80	Marginal	
		Wetness	0.17
		Diggability index	0.97
22: Chisolm	80	Less suitable	
		Wetness	0.48
		Diggability index	0.86

Gopher Tortoise Habitat Suitability -- Colleton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
24: Coosaw	90	Marginal Wetness Diggability index	0.17 0.87
25: Coxville	85	Unsuitable Wetness Diggability index	0.00 0.36
27: Hobcaw	80	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.82
28: Dunbar	90	Unsuitable Wetness Diggability index	0.02 0.36
30: Echaw	85	Marginal Wetness	0.43
31B: Eddings	85	Less suitable Wetness	0.48
35: Wadmalaw	90	Not rated	
36: Goldsboro	90	Marginal Wetness Diggability index	0.17 0.81

Gopher Tortoise Habitat Suitability -- Colleton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
37: Handsboro	80	Unsuitable	
		Diggability index	0.00
		Content of rock fragments	0.00
		Ponding	0.00
		Wetness	0.00
38: Pungo	80	Unsuitable	
		Diggability index	0.00
		Content of rock fragments	0.00
		Wetness	0.00
40: Leon	80	Unsuitable	
		Wetness	0.00
		Diggability index	0.97
41: Lynchburg	80	Unsuitable	
		Wetness	0.00
		Diggability index	0.81
42: Lynn Haven	85	Unsuitable	
		Wetness	0.00
		Diggability index	0.96
43A: Nemours	85	Marginal	
		Wetness	0.07
		Diggability index	0.20
43B: Nemours	85	Marginal	
		Wetness	0.07
		Diggability index	0.20

Gopher Tortoise Habitat Suitability -- Colleton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
44A: Norfolk	85	Less suitable	
		Wetness	0.69
		Diggability index	0.83
44B: Norfolk	85	Less suitable	
		Wetness	0.69
		Diggability index	0.83
45: Ocilla	85	Unsuitable	
		Wetness	0.02
		Diggability index	0.85
46: Ogeechee	85	Unsuitable	
		Wetness	0.00
		Diggability index	0.82
47: Okeetee	90	Unsuitable	
		Wetness	0.00
		Diggability index	0.35
49: Osier	85	Unsuitable	
		Wetness	0.00
50: Paxville	85	Unsuitable	
		Ponding	0.00
		Wetness	0.00
		Diggability index	0.82
51: Pelham	85	Unsuitable	
		Wetness	0.00
		Diggability index	0.86

Gopher Tortoise Habitat Suitability -- Colleton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
52: Pickney	80	Unsuitable Ponding Wetness	 0.00 0.00
53: Plummer	85	Unsuitable Ponding Wetness	 0.00 0.00
55: Rains	80	Unsuitable Wetness Diggability index	 0.00 0.81
57: Santee	90	Unsuitable Ponding Wetness Diggability index	 0.00 0.00 0.34
58: Scranton	85	Unsuitable Wetness	 0.00
59: Seagate	85	Marginal Wetness Diggability index	 0.07 0.86
62: Yauhannah	80	Marginal Wetness Diggability index	 0.07 0.81
64: Wahee	90	Unsuitable Wetness Diggability index	 0.00 0.39

Gopher Tortoise Habitat Suitability -- Colleton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
65B: Lakeland	80	Moderately suitable Diggability index	0.98
66: Williman	80	Unsuitable Wetness Diggability index	0.00 0.84
68: Yemassee	85	Unsuitable Wetness Diggability index	0.00 0.81
69: Murad	80	Marginal Wetness	0.13
70: Levy	70	Unsuitable Diggability index Ponding Wetness	0.00 0.00 0.00
71: Haplaquents	85	Not rated	
73: Torhunta	50	Unsuitable Wetness	0.00
Osier	30	Unsuitable Wetness	0.00
W: Water	100	Not rated	

## Dorchester County, South Carolina

Print date: 05/14/2013

### Gopher Tortoise Habitat Suitability

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 0.99. The smaller the value, the lower the suitability.

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
AbA: Albany	90	Unsuitable Wetness	0.02
ApB: Alpin	90	Moderately suitable Diggability index	0.98
BlA: Blanton	90	Less suitable Wetness	0.68
BlB: Blanton	90	Less suitable Wetness	0.79
BoA: Bonneau	97	Less suitable Wetness Diggability index	0.53 0.85
BoB: Bonneau	98	Less suitable Wetness Diggability index	0.53 0.85
Br: Brookman	95	Unsuitable Wetness Flooding Diggability index	0.00 0.00 0.33

Gopher Tortoise Habitat Suitability -- Dorchester

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Ca: Capers	100	Unsuitable	
		Ponding	0.00
		Wetness	0.00
		Diggability index	0.20
ChA: Chipley	95	Marginal	
		Wetness	0.17
		Diggability index	0.99
CoB: Chisolm	95	Less suitable	
		Wetness	0.48
		Diggability index	0.86
Cs: Coosaw	95	Marginal	
		Wetness	0.17
		Diggability index	0.85
Cx: Coxville	90	Unsuitable	
		Wetness	0.00
		Diggability index	0.50
Da: Daleville	95	Unsuitable	
		Wetness	0.00
		Diggability index	0.40
Ec: Echaw	96	Marginal	
		Wetness	0.43
Eo: Elloree	90	Unsuitable	
		Wetness	0.00
		Flooding	0.33
		Diggability index	0.84

Gopher Tortoise Habitat Suitability -- Dorchester

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
EpB: Emporia	90	Marginal	
		Wetness	0.43
		Diggability index	0.82
EuA: Eulonia	90	Marginal	
		Wetness	0.18
		Diggability index	0.38
EuB: Eulonia	96	Marginal	
		Wetness	0.18
		Diggability index	0.38
FoA: Foreston	90	Marginal	
		Wetness	0.23
		Diggability index	0.93
FxB: Foxworth	90	Less suitable	
		Wetness	0.63
		Diggability index	0.99
GoA: Goldsboro	97	Marginal	
		Wetness	0.17
		Diggability index	0.82
Gr: Grifton	95	Unsuitable	
		Wetness	0.00
		Flooding	0.00
		Diggability index	0.81

Gopher Tortoise Habitat Suitability -- Dorchester

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Hb: Handsboro	94	Unsuitable	
		Diggability index	0.00
		Content of rock fragments	0.00
		Ponding	0.00
		Wetness	0.00
Hp: Haplaquents	100	Not rated	
IzA: Izagora	97	Marginal	
		Wetness	0.17
		Diggability index	0.81
IzB: Izagora	100	Marginal	
		Wetness	0.17
		Diggability index	0.81
Jd: Jedburg	97	Unsuitable	
		Wetness	0.00
		Diggability index	0.80
JoA: Johns	96	Marginal	
		Wetness	0.13
		Diggability index	0.79
Le: Leon	95	Unsuitable	
		Wetness	0.00
Lm: Lumbee	90	Unsuitable	
		Wetness	0.00
		Flooding	0.33
		Diggability index	0.79

Gopher Tortoise Habitat Suitability -- Dorchester

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Ln: Lynchburg	94	Unsuitable Wetness Diggability index	0.00 0.80
Ly: Lynn Haven	95	Unsuitable Wetness	0.00
Mo: Mouzon	96	Unsuitable Wetness Flooding Diggability index	0.00 0.33 0.79
Na: Nakina	90	Unsuitable Wetness Diggability index	0.00 0.83
NoA: Noboco	97	Marginal Wetness Diggability index	0.33 0.82
OcA: Ocilla	94	Unsuitable Wetness Diggability index	0.02 0.96
Og: Ogeechee	100	Unsuitable Wetness Diggability index	0.00 0.81
Os: Osier	100	Unsuitable Wetness Flooding	0.00 0.00

Gopher Tortoise Habitat Suitability -- Dorchester

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Pa: Pantego	95	Unsuitable Wetness Diggability index	0.00 0.56
Pe: Pelham	95	Unsuitable Wetness Diggability index	0.00 0.88
Pm: Plummer	90	Unsuitable Ponding Wetness	0.00 0.00
Ra: Rains	90	Unsuitable Wetness Diggability index	0.00 0.80
Ru: Rutlege	100	Unsuitable Wetness Flooding	0.00 0.00
Se: Seagate	90	Marginal Wetness Diggability index	0.07 0.95
W: Water	100	Not rated	
Wa: Wahee	96	Unsuitable Wetness Diggability index	0.00 0.37

Gopher Tortoise Habitat Suitability -- Dorchester

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
YaA: Yauhannah	97	Marginal Wetness Diggability index	0.07 0.83
Ye: Yemassee	94	Unsuitable Wetness Diggability index	0.00 0.82

## Gopher Tortoise Habitat Suitability

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 0.99. The smaller the value, the lower the suitability.

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
AgB: Alaga	100	Less suitable Wetness	0.48
ApB: Alpin	100	Highly suitable	
Ar: Argent	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.32
AtA: Autryville	100	Less suitable Wetness Diggability index	0.48 0.91
AtB: Autryville	100	Less suitable Wetness Diggability index	0.48 0.91
BaA: Blanton	100	Less suitable Wetness	0.48
BaB: Blanton	90	Less suitable Wetness	0.48
BaC: Blanton	100	Less suitable Wetness	0.48

Gopher Tortoise Habitat Suitability - Hampton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
BnA: Blanton	100	Marginal Wetness	0.17
BoA: Bonneau	100	Marginal Wetness Diggability index	0.38 0.85
BoB: Bonneau	90	Marginal Wetness Diggability index	0.38 0.85
Br: Brookman	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.35
By: Byars	95	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.36
CaA: Cahaba	100	Less suitable Diggability index	0.80
CaB: Cahaba	100	Less suitable Diggability index	0.80
Ce: Centenary	100	Marginal Wetness	0.38
ChA: Chipley	100	Marginal Wetness Diggability index	0.07 0.96

Gopher Tortoise Habitat Suitability - Hampton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Cx: Coxville	95	Unsuitable Wetness Diggability index	0.00 0.36
Ec: Echaw	96	Marginal Wetness	0.43
Eo: Elloree	100	Unsuitable Wetness Flooding Diggability index	0.00 0.33 0.87
EpB: Emporia	100	Marginal Wetness Diggability index	0.27 0.81
EpC: Emporia	100	Marginal Wetness Diggability index	0.27 0.81
EuA: Eulonia	100	Unsuitable Wetness Diggability index	0.00 0.41
EuB: Eulonia	90	Unsuitable Wetness Diggability index	0.00 0.41
FoB: Foxworth	100	Marginal Wetness Diggability index	0.38 0.99

Gopher Tortoise Habitat Suitability - Hampton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
GoA: Goldsboro	90	Marginal Wetness Diggability index	0.07 0.82
Gr: Grifton	60	Unsuitable Wetness Flooding Diggability index	0.00 0.00 0.81
Osier	40	Unsuitable Wetness Flooding	0.00 0.60
Hp: Haplaquents	100	Not rated	
LaB: Lakeland	100	Highly suitable	
Le: Leon	100	Unsuitable Wetness	0.00
Ly: Lynchburg	90	Unsuitable Wetness Diggability index	0.00 0.82
Na: Nakina	100	Unsuitable Wetness Flooding Diggability index	0.00 0.33 0.82
NeA: Nansemond	100	Unsuitable Wetness	0.00

Gopher Tortoise Habitat Suitability - Hampton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
NoA: Noboco	100	Marginal Wetness Diggability index	0.17 0.81
NoB: Noboco	90	Marginal Wetness Diggability index	0.17 0.81
NrA: Norfolk	100	Less suitable Wetness Diggability index	0.48 0.83
NrB: Norfolk	90	Less suitable Wetness Diggability index	0.48 0.83
OcA: Ocilla	90	Unsuitable Wetness Diggability index	0.00 0.88
Oe: Osier	100	Unsuitable Wetness	0.00
Oy: Osier	60	Unsuitable Wetness Flooding	0.00 0.00
Pickney	40	Unsuitable Wetness Flooding	0.00 0.00

Gopher Tortoise Habitat Suitability - Hampton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Pa: Pantego	90	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.85
Pe: Pelham	100	Unsuitable Wetness Diggability index	0.00 0.87
Pk: Pickney	100	Unsuitable Wetness	0.00
Pm: Plummer	100	Unsuitable Wetness	0.00
Pu: Pungo	100	Unsuitable Diggability index Content of rock fragments Wetness	0.00 0.00 0.00
Ra: Rains	95	Unsuitable Wetness Diggability index	0.00 0.60
Re: Rembert	100	Unsuitable Wetness Diggability index	0.00 0.34
Ru: Rutlege	100	Unsuitable Wetness	0.00

Gopher Tortoise Habitat Suitability - Hampton

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Se: Seagate	96	Unsuitable Wetness Diggability index	0.00 0.97
Tc: Tawcaw	55	Unsuitable Wetness Flooding Diggability index	0.00 0.00 0.28
Chastain	45	Unsuitable Wetness Flooding Diggability index	0.00 0.00 0.28
UcB: Uchee	100	Marginal Wetness Diggability index	0.38 0.85
W: Water	100	Not rated	
Wa: Wahee	96	Unsuitable Wetness Diggability index	0.00 0.40

Gopher Tortoise Habitat Suitability

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 0.99. The smaller the value, the lower the suitability.

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Aa: Albany	90	Unsuitable Wetness	0.02
AB: Albany	60	Unsuitable Wetness	0.02
Blanton	25	Less suitable Wetness	0.69
AC: Albany	40	Unsuitable Wetness	0.02
Ocilla	15	Unsuitable Wetness Diggability index	0.02 0.87
Pelham	15	Unsuitable Wetness Diggability index	0.00 0.87
Ae: Argent	100	Unsuitable Wetness Diggability index	0.00 0.32
Ag: Argent	100	Unsuitable Wetness Diggability index	0.00 0.32

Gopher Tortoise Habitat Suitability - Jasper

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
AN: Argent	100	Unsuitable Wetness Diggability index	0.00 0.32
AO: Argent	50	Unsuitable Wetness Diggability index	0.00 0.32
Okeetee	35	Unsuitable Wetness Diggability index	0.00 0.34
Ba: Leon	100	Unsuitable Wetness Diggability index	0.00 0.97
Bb: Yauhannah	100	Marginal Wetness Diggability index	0.07 0.83
BC: Yauhannah	50	Marginal Wetness Diggability index	0.07 0.83
Coosaw	20	Marginal Wetness Diggability index	0.17 0.86
Ogeechee	15	Unsuitable Wetness Diggability index	0.00 0.81
Bd: Bladen	100	Unsuitable Wetness Diggability index	0.00 0.35

Gopher Tortoise Habitat Suitability - Jasper

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
BeB: Blanton	100	Less suitable Wetness	0.69
BeC: Blanton	100	Less suitable Wetness	0.69
BK: Bohicket	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.02
BnA: Bonneau	100	Less suitable Wetness Diggability index	0.53 0.67
Bp: Udorthents	100	Not rated	
BR: Buncombe	100	Highly suitable	
BS: Buncombe	50	Highly suitable	
Santee	30	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.34
Ca: Cape Fear	100	Unsuitable Wetness Diggability index	0.00 0.41

Gopher Tortoise Habitat Suitability - Jasper

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
CE: Capers	100	Unsuitable Wetness Diggability index	0.00 0.20
ChA: Chipley	100	Marginal Wetness Diggability index	0.17 0.96
CK: Chipley	55	Marginal Wetness Diggability index	0.17 0.96
Echaw	30	Marginal Wetness	0.43
CmB: Chisolm	100	Less suitable Wetness Diggability index	0.48 0.85
Co: Beaches	100	Not rated	
Cs: Coosaw	100	Marginal Wetness Diggability index	0.17 0.86
Cx: Coxville	100	Unsuitable Wetness Diggability index	0.00 0.40
De: Hobcaw	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.83

Gopher Tortoise Habitat Suitability - Jasper

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Ec: Echaw	80	Marginal Wetness	0.43
EdB: Eddings	100	Less suitable Wetness	0.48
Ee: Eulonia	100	Marginal Wetness Diggability index	0.18 0.40
EU: Eulonia	100	Marginal Wetness Diggability index	0.18 0.40
FA: Fluvaquents	75	Not rated	
Udipsamments	25	Not rated	
Fb: Fripp	55	Moderately suitable Diggability index	0.95
Leon	35	Unsuitable Wetness Diggability index	0.00 0.97
GoA: Goldsboro	100	Marginal Wetness Diggability index	0.17 0.81

Gopher Tortoise Habitat Suitability - Jasper

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
HA: Handsboro	100	Unsuitable Diggability index Content of rock fragments Ponding Wetness	0.00 0.00 0.00 0.00
HB: Hobonny	100	Unsuitable Diggability index Content of rock fragments Ponding Wetness	0.00 0.00 0.00 0.00
LaB: Lakeland	100	Highly suitable	
LE: Levy	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.21
Ln: Lynchburg	90	Unsuitable Wetness Diggability index	0.00 0.83
Ly: Lynn Haven	100	Unsuitable Wetness Diggability index	0.00 0.98
Mu: Murad	100	Marginal Wetness	0.13

Gopher Tortoise Habitat Suitability - Jasper

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
NeA: Nemours	100	Marginal Wetness Diggability index	0.07 0.10
NeB: Nemours	100	Marginal Wetness Diggability index	0.07 0.10
NoA: Noboco	100	Marginal Wetness Diggability index	0.33 0.82
NoB: Noboco	100	Marginal Wetness Diggability index	0.33 0.82
Oc: Ocilla	100	Unsuitable Wetness Diggability index	0.02 0.87
Oe: Okeetee	90	Unsuitable Wetness Diggability index	0.00 0.34
OK: Okeetee	60	Unsuitable Wetness Diggability index	0.00 0.34
Eulonia	25	Marginal Wetness Diggability index	0.18 0.40

Gopher Tortoise Habitat Suitability - Jasper

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
On: Yemassee	90	Unsuitable Wetness Diggability index	0.00 0.96
Os: Osier	100	Unsuitable Wetness	0.00
Pa: Paxville	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.81
PB: Paxville	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.81
Pe: Pelham	100	Unsuitable Wetness Diggability index	0.00 0.87
Pk: Pickney	100	Unsuitable Ponding Wetness	0.00 0.00
Po: Pickney	100	Unsuitable Ponding Wetness	0.00 0.00
Ra: Rains	100	Unsuitable Wetness Diggability index	0.00 0.81

Gopher Tortoise Habitat Suitability - Jasper

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
RB: Rains	100	Unsuitable Wetness Diggability index	0.00 0.81
RC: Rains	45	Unsuitable Wetness Diggability index	0.00 0.81
Lynchburg	25	Unsuitable Wetness Diggability index	0.00 0.83
Rd: Ridgeland	90	Marginal Wetness	0.07
Sa: Santee	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.34
SE: Santee	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.34
Sk: Chipley	90	Marginal Wetness Diggability index	0.17 0.96
Sw: Seewee	95	Unsuitable Wetness Diggability index	0.00 0.98

Gopher Tortoise Habitat Suitability - Jasper

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
TC: Tawcaw	55	Marginal Wetness Diggability index	0.07 0.25
Chastain	40	Unsuitable Wetness Diggability index	0.00 0.28
To: Ogeechee	100	Unsuitable Wetness Diggability index	0.00 0.81
UL: Udorthents	100	Not rated	
W: Water	100	Not rated	
Wa: Wahee	90	Unsuitable Wetness Diggability index	0.00 0.40
Wd: Lakeland	95	Highly suitable	
Wn: Williman	100	Unsuitable Wetness Diggability index	0.00 0.85
Ye: Yemassee	90	Unsuitable Wetness Diggability index	0.00 0.96
Yo: Yonges	100	Unsuitable Wetness Diggability index	0.00 0.83

Gopher Tortoise Habitat Suitability - Jasper

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
YR: Yonges	60	Unsuitable Wetness Diggability index	0.00 0.83
Argent	30	Unsuitable Wetness Diggability index	0.00 0.32

## Gopher Tortoise Habitat Suitability

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 0.99. The smaller the value, the lower the suitability.

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
AeB: Ailey	100	Less suitable Diggability index	0.84
AnB: Albany	90	Unsuitable Wetness	0.02
BaB: Blanton	100	Less suitable Wetness	0.48
BaC: Blanton	100	Less suitable Wetness	0.48
Ch: Chastain	100	Unsuitable Wetness Flooding Diggability index	0.00 0.00 0.28
Da: Dorovan	100	Unsuitable Diggability index Content of rock fragments Wetness Flooding	0.00 0.00 0.00 0.00
DoA: Dothan	100	Less suitable Wetness Diggability index	0.48 0.81

Gopher Tortoise Habitat Suitability - Savannah River

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
DoB: Dothan	100	Less suitable Wetness Diggability index	0.48 0.81
EnA: Eunola	90	Marginal Wetness Diggability index	0.07 0.82
Fa: Fluvaquents	100	Not rated	
FuA: Fuquay	100	Less suitable Wetness Diggability index	0.69 0.84
FuB: Fuquay	100	Less suitable Wetness Diggability index	0.69 0.84
FuC: Fuquay	100	Less suitable Wetness Diggability index	0.69 0.84
HoA: Hornsville	96	Unsuitable Wetness Diggability index	0.00 0.33
Kn: Kinston	95	Unsuitable Wetness Flooding Diggability index	0.00 0.00 0.78

Gopher Tortoise Habitat Suitability - Savannah River

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
LaB: Lakeland	100	Highly suitable	
LaC: Lakeland	100	Highly suitable	
LuA: Lucy	100	Moderately suitable Diggability index	0.86
LuB: Lucy	100	Moderately suitable Diggability index	0.86
LuC: Lucy	100	Moderately suitable Diggability index	0.86
M-W: Miscellaneous Water	100	Not rated	
NeB: Neeses	100	Marginal Diggability index	0.35
NoA: Norfolk	100	Less suitable Wetness Diggability index	0.67 0.81
NoB: Norfolk	100	Less suitable Wetness Diggability index	0.67 0.81
Oa: Ochlockonee	100	Marginal Flooding Wetness	0.33 0.48

Gopher Tortoise Habitat Suitability - Savannah River

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
OcA: Ocilla	97	Not rated	
Og: Ogeechee	100	Unsuitable Wetness Diggability index	0.00 0.82
OrA: Orangeburg	100	Less suitable Diggability index	0.79
OrB: Orangeburg	100	Less suitable Diggability index	0.79
OrC: Orangeburg	100	Less suitable Diggability index	0.79
Pk: Pickney	100	Unsuitable Wetness Flooding	0.00 0.00
Rm: Rembert	100	Unsuitable Ponding Wetness Diggability index	0.00 0.00 0.32
Sh: Shellbluff	90	Unsuitable Flooding Wetness Diggability index	0.00 0.48 0.54
Sm: Smithboro	96	Unsuitable Wetness Diggability index	0.00 0.33

Gopher Tortoise Habitat Suitability - Savannah River

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Ta: Tawcaw	95	Unsuitable Diggability index Wetness Flooding	0.00 0.00 0.00
To: Toccoa	95	Marginal Flooding Wetness	0.20 0.43
TrB: Troup	90	Highly suitable	
TrC: Troup	90	Highly suitable	
TrD: Troup	60	Highly suitable	
Lucy	35	Moderately suitable Diggability index	0.86
TuE: Troup	60	Moderately suitable Slope	0.88
Lucy	40	Moderately suitable Diggability index Slope	0.86 0.88
TuF: Troup	70	Moderately suitable Slope	0.88
Lucy	30	Moderately suitable Diggability index Slope	0.86 0.88
Ud: Udorthents	100	Not rated	

Gopher Tortoise Habitat Suitability - Savannah River

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Uo: Udorthents	100	Not rated	
Ur: Udorthents	60	Not rated	
Urban land	40	Not rated	
Uu: Urban land	100	Not rated	
VaB: Vaucluse	100	Less suitable Diggability index	0.81
VeC: Vaucluse	55	Less suitable Diggability index	0.81
Ailey	45	Less suitable Diggability index	0.84
VeD: Vaucluse	65	Less suitable Diggability index Slope	0.81 0.88
Ailey	35	Less suitable Diggability index Slope	0.84 0.88
W: Water	100	Not rated	
WaA: Wagram	100	Moderately suitable Wetness	0.89
WaB: Wagram	100	Moderately suitable Wetness	0.89

Gopher Tortoise Habitat Suitability - Savannah River

Map symbol and soil name	Pct. of map unit	Habitat suitability	
		Rating class and limiting features	Value
Wm: Williman	100	Unsuitable	
		Wetness	0.00
		Diggability index	0.85