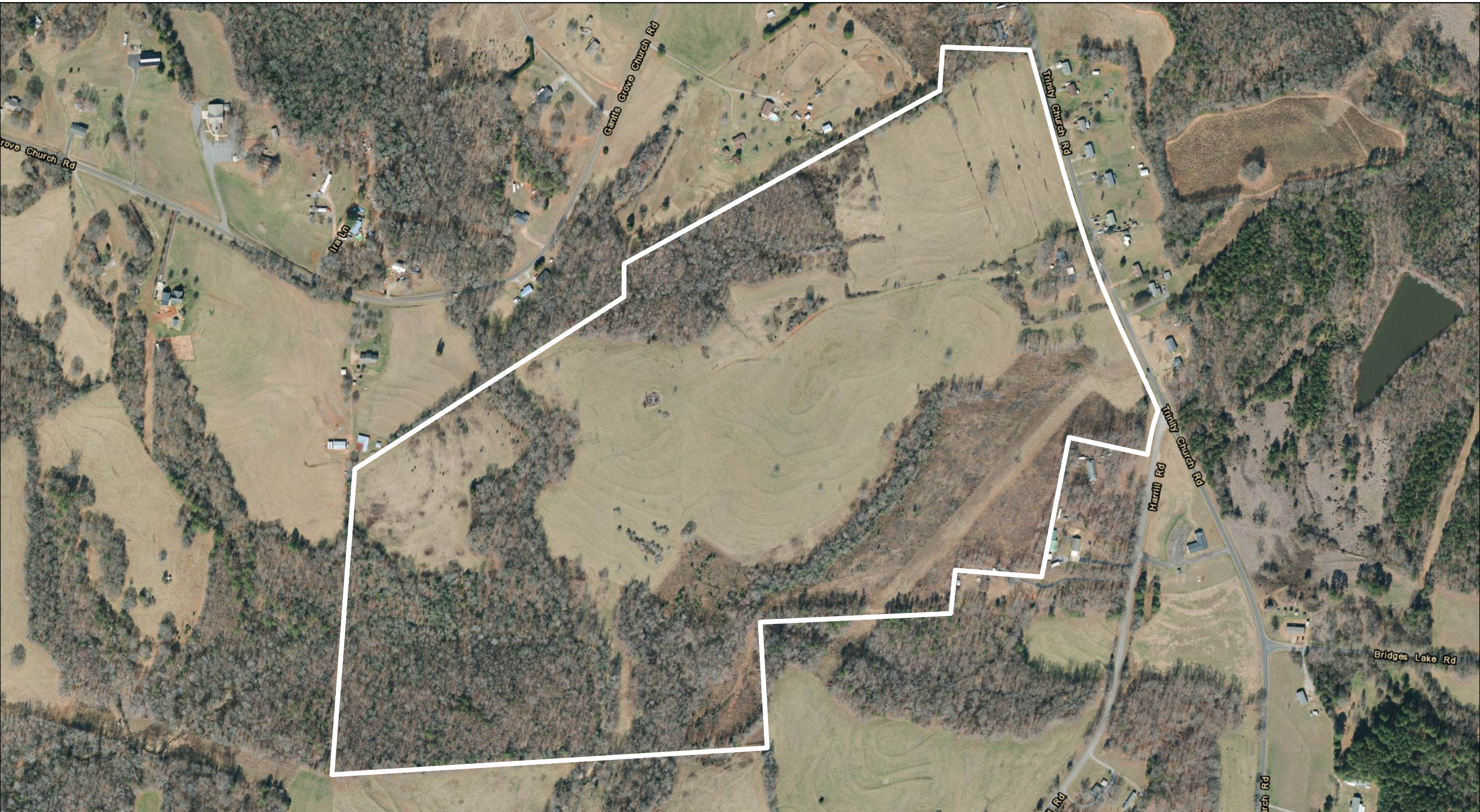




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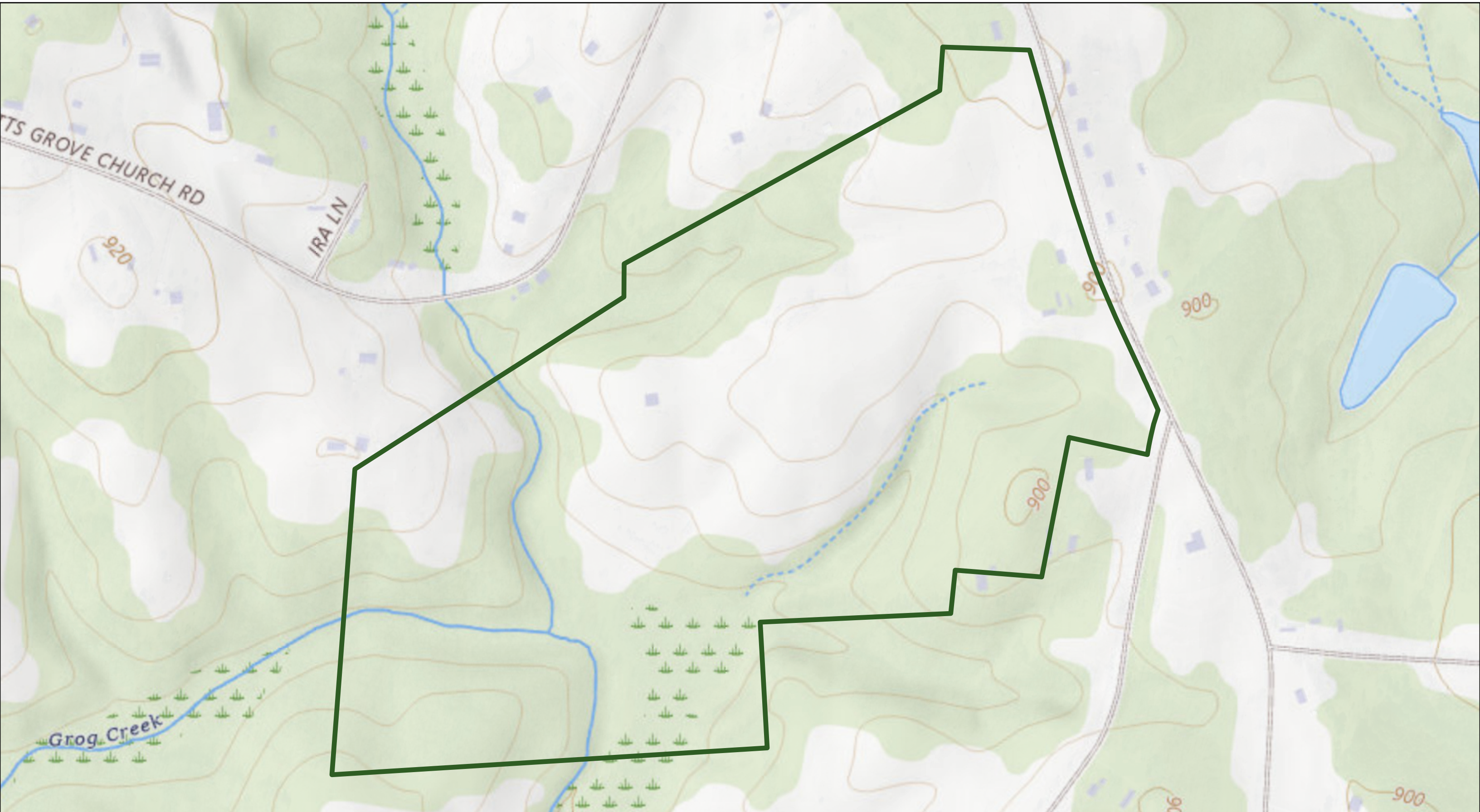




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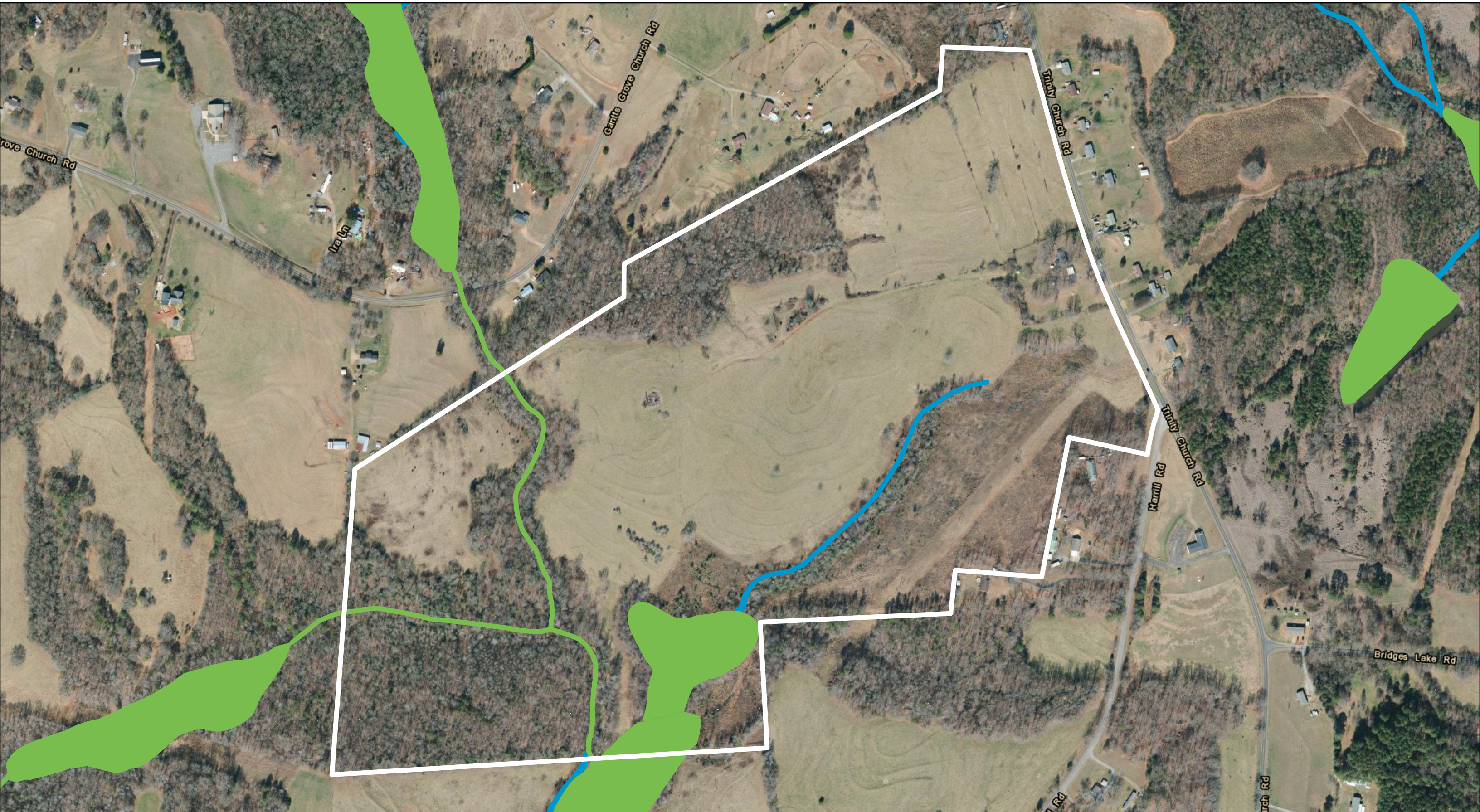
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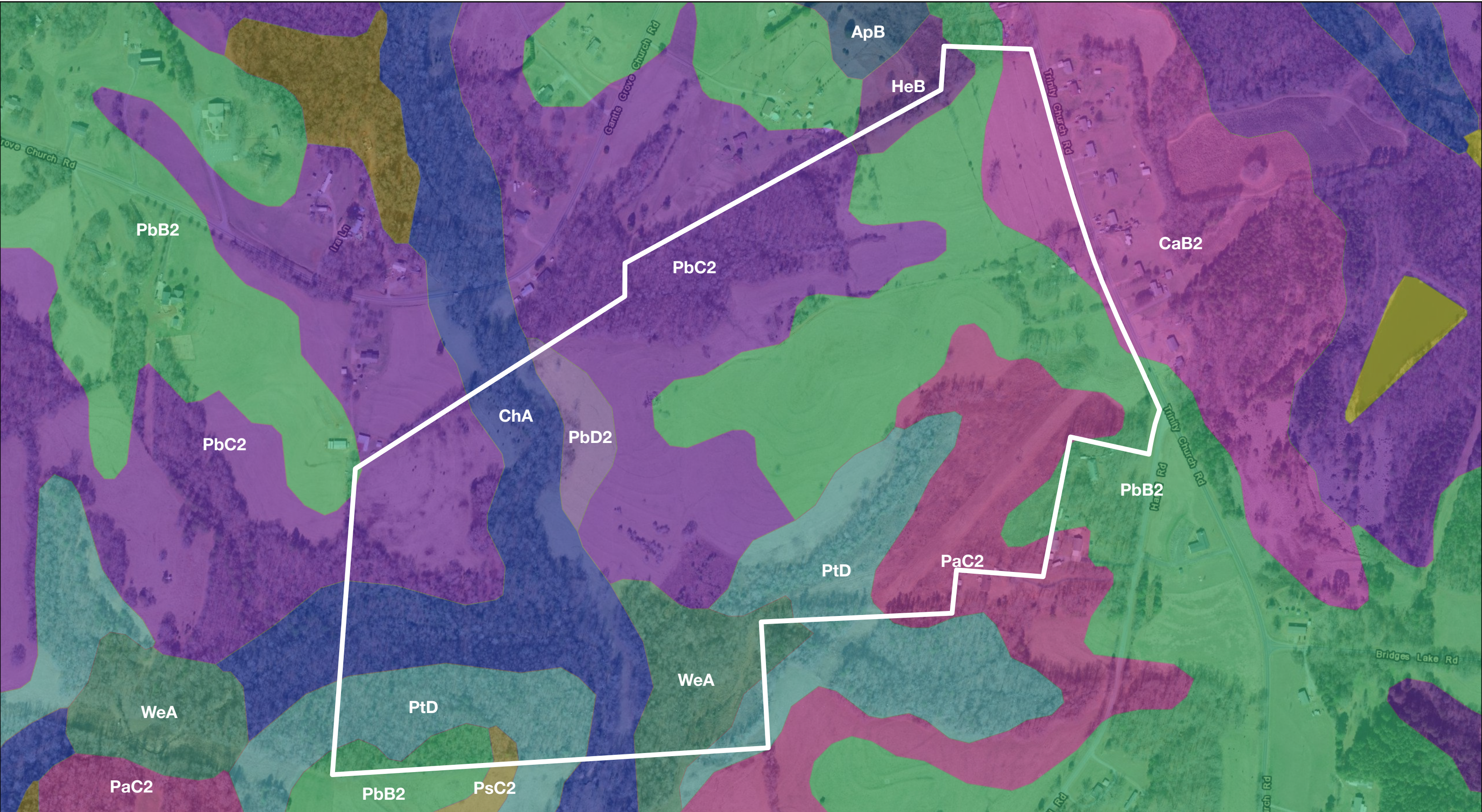
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Map Unit Description (Brief, Generated)

Cleveland County, North Carolina

[Minor map unit components are excluded from this report]

Map unit: ApB - Appling sandy loam, 1 to 6 percent slopes

Component: Appling (92%)

The Appling component makes up 92 percent of the map unit. Slopes are 2 to 6 percent. This component is on interfluves, uplands. The parent material consists of saprolite derived from granite and gneiss and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F136XY820GA Acidic upland forest, moist ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Map unit: CaB2 - Cecil sandy clay loam, 2 to 8 percent slopes, moderately eroded

Component: Cecil, moderately eroded (88%)

The Cecil, moderately eroded component makes up 88 percent of the map unit. Slopes are 2 to 8 percent. This component is on interfluves, uplands. The parent material consists of saprolite derived from granite and gneiss and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F136XY820GA Acidic upland forest, moist ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Map unit: ChA - Chewacla loam, 0 to 2 percent slopes, frequently flooded

Component: Chewacla, frequently flooded (80%)

The Chewacla, frequently flooded component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains on southern piedmonts. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 10 inches during January, February, March, December. Organic matter content in the surface horizon is about 2 percent. This component is in the F136XY610GA Flood plain forest, wet, Large River Flood Plains, Piedmont Source, Moist ecological site. Nonirrigated land capability classification is 4w. This soil does not meet hydric criteria.

Cleveland County, North Carolina

[Minor map unit components are excluded from this report]

Map unit: PaC2 - Pacolet sandy clay loam, 8 to 15 percent slopes, moderately eroded

Component: Pacolet, moderately eroded (85%)

The Pacolet, moderately eroded component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes on ridges, uplands. The parent material consists of saprolite derived from granite and gneiss and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F136XY820GA Acidic upland forest, moist ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Map unit: PbB2 - Pacolet-Bethlehem complex, 2 to 8 percent slopes, moderately eroded

Component: Pacolet, moderately eroded (46%)

The Pacolet, moderately eroded component makes up 46 percent of the map unit. Slopes are 2 to 8 percent. This component is on interfluves, uplands. The parent material consists of saprolite derived from granite and gneiss and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F136XY820GA Acidic upland forest, moist ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Bethlehem, moderately eroded (44%)

The Bethlehem, moderately eroded component makes up 44 percent of the map unit. Slopes are 2 to 8 percent. This component is on interfluves, uplands. The parent material consists of residuum weathered from metamorphic rock and/or schist. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F136XY830NC Acidic Upland Forest, Depth Restriction, Dry-moist ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Map unit: PbC2 - Pacolet-Bethlehem complex, 8 to 15 percent slopes, moderately eroded

Component: Pacolet, moderately eroded (50%)

The Pacolet, moderately eroded component makes up 50 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes on ridges, uplands. The parent material consists of saprolite derived from granite and gneiss and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F136XY820GA Acidic upland forest, moist ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Map Unit Description (Brief, Generated)

Cleveland County, North Carolina

Map unit: PbC2 - Pacolet-Bethlehem complex, 8 to 15 percent slopes, moderately eroded

Component: Bethlehem, moderately eroded (35%)

The Bethlehem, moderately eroded component makes up 35 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes on ridges, uplands. The parent material consists of residuum weathered from metamorphic rock and/or schist. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F136XY830NC Acidic Upland Forest, Depth Restriction, Dry-moist ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Map unit: PbD2 - Pacolet-Bethlehem complex, 15 to 25 percent slopes, moderately eroded

Component: Pacolet, moderately eroded (46%)

The Pacolet, moderately eroded component makes up 46 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on ridges, uplands. The parent material consists of saprolite derived from granite and gneiss and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F136XY820GA Acidic upland forest, moist ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Bethlehem, moderately eroded (44%)

The Bethlehem, moderately eroded component makes up 44 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on ridges, uplands. The parent material consists of residuum weathered from metamorphic rock and/or schist. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F136XY830NC Acidic Upland Forest, Depth Restriction, Dry-moist ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Cleveland County, North Carolina

Map unit: PsC2 - Pacolet-Saw complex, 8 to 15 percent slopes, moderately eroded

Component: Pacolet, moderately eroded (55%)

The Pacolet, moderately eroded component makes up 55 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes on ridges, uplands. The parent material consists of saprolite derived from granite and gneiss and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F136XY820GA Acidic upland forest, moist ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Saw, moderately eroded (40%)

The Saw, moderately eroded component makes up 40 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes on ridges, uplands. The parent material consists of saprolite derived from granite and/or gneiss. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F136XY830NC Acidic Upland Forest, Depth Restriction, Dry-moist ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Map unit: PtD - Pacolet-Saw complex, 15 to 25 percent slopes, stony

Component: Pacolet, stony (45%)

The Pacolet, stony component makes up 45 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on ridges, uplands. The parent material consists of saprolite derived from granite and gneiss and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F136XY820GA Acidic upland forest, moist ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Saw, stony (44%)

The Saw, stony component makes up 44 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on ridges, uplands. The parent material consists of saprolite derived from granite and/or gneiss. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F136XY830NC Acidic Upland Forest, Depth Restriction, Dry-moist ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Map Unit Description (Brief, Generated)

Cleveland County, North Carolina

Map unit: WeA - Wehadkee loam, 0 to 2 percent slopes, frequently flooded

Component: Wehadkee, undrained (85%)

The Wehadkee, undrained component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on depressions on flood plains, valleys. The parent material consists of loamy alluvium derived from igneous and metamorphic rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 4 percent. This component is in the F136XY600NC Flood plain forest, very wet ecological site. Nonirrigated land capability classification is 6w. This soil meets hydric criteria.

Component: Wehadkee, drained (10%)

The Wehadkee, drained component makes up 10 percent of the map unit. Slopes are 0 to 2 percent. This component is on depressions on flood plains, valleys. The parent material consists of loamy alluvium derived from igneous and metamorphic rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, December. Organic matter content in the surface horizon is about 4 percent. This component is in the F136XY600NC Flood plain forest, very wet ecological site. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.