

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 10/26/2021

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Savannah, Pond Road Site, SAS-2021-00659,

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: GA County/parish/borough: Decatur City: Bainbridge
Center coordinates of site (lat/long in degree decimal format): Lat. 30.940619°° N, Long. -84.583540°° W.
Universal Transverse Mercator:

Name of nearest waterbody: Flint River

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Flint River

Name of watershed or Hydrologic Unit Code (HUC): 0313008

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date: 10/22/2021

Field Determination. Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area (check all that apply):¹

- TNWs, including territorial seas
- Wetlands adjacent to TNWs
- Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs
- Non-RPWs that flow directly or indirectly into TNWs
- Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- Impoundments of jurisdictional waters
- Isolated (interstate or intrastate) waters, including isolated wetlands

b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: linear feet: width (ft) and/or acres.

Wetlands: acres.

c. Limits (boundaries) of jurisdiction based on: Pick List

Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

- Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain: **Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Further description of these areas can be found in Section IV.B.**

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: .

Summarize rationale supporting determination: .

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent": .

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: **Pick List**

Drainage area: **Pick List**

Average annual rainfall: inches

Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

Tributary flows directly into TNW.

Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.

Project waters are **Pick List** river miles from RPW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Project waters are **Pick List** aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW⁵:

Tributary stream order, if known:

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b) General Tributary Characteristics (check all that apply):

- Tributary is: Natural
 Artificial (man-made). Explain:
 Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

Average width: feet
Average depth: feet
Average side slopes: **Pick List**.

Primary tributary substrate composition (check all that apply):

- | | | |
|--|--|-----------------------------------|
| <input type="checkbox"/> Silts | <input type="checkbox"/> Sands | <input type="checkbox"/> Concrete |
| <input type="checkbox"/> Cobbles | <input type="checkbox"/> Gravel | <input type="checkbox"/> Muck |
| <input type="checkbox"/> Bedrock | <input type="checkbox"/> Vegetation. Type/% cover: | |
| <input type="checkbox"/> Other. Explain: | | |

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:

Presence of run/riffle/pool complexes. Explain:

Tributary geometry: **Pick List**

Tributary gradient (approximate average slope): %

(c) Flow:

Tributary provides for: **Pick List**

Estimate average number of flow events in review area/year: **Pick List**

Describe flow regime:

Other information on duration and volume:

Surface flow is: **Pick List**. Characteristics:

Subsurface flow: **Pick List**. Explain findings:

- Dye (or other) test performed:

Tributary has (check all that apply):

- | | |
|---|---|
| <input type="checkbox"/> Bed and banks | |
| <input type="checkbox"/> OHWM ⁶ (check all indicators that apply): | |
| <input type="checkbox"/> clear, natural line impressed on the bank | <input type="checkbox"/> the presence of litter and debris |
| <input type="checkbox"/> changes in the character of soil | <input type="checkbox"/> destruction of terrestrial vegetation |
| <input type="checkbox"/> shelving | <input type="checkbox"/> the presence of wrack line |
| <input type="checkbox"/> vegetation matted down, bent, or absent | <input type="checkbox"/> sediment sorting |
| <input type="checkbox"/> leaf litter disturbed or washed away | <input type="checkbox"/> scour |
| <input type="checkbox"/> sediment deposition | <input type="checkbox"/> multiple observed or predicted flow events |
| <input type="checkbox"/> water staining | <input type="checkbox"/> abrupt change in plant community |
| <input type="checkbox"/> other (list): | |
| <input type="checkbox"/> Discontinuous OHWM. ⁷ Explain: | |

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> High Tide Line indicated by: | <input type="checkbox"/> Mean High Water Mark indicated by: |
| <input type="checkbox"/> oil or scum line along shore objects | <input type="checkbox"/> survey to available datum; |
| <input type="checkbox"/> fine shell or debris deposits (foreshore) | <input type="checkbox"/> physical markings; |
| <input type="checkbox"/> physical markings/characteristics | <input type="checkbox"/> vegetation lines/changes in vegetation types. |
| <input type="checkbox"/> tidal gauges | |
| <input type="checkbox"/> other (list): | |

(iii) Chemical Characteristics:

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain:

Identify specific pollutants, if known:

⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷Ibid.

(iv) **Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

2. **Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

(i) **Physical Characteristics:**

(a) General Wetland Characteristics:

Properties:

Wetland size: acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

- Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

- Directly abutting
- Not directly abutting
 - Discrete wetland hydrologic connection. Explain:
 - Ecological connection. Explain:
 - Separated by berm/barrier. Explain:

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately () acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)

Size (in acres)

Directly abuts? (Y/N)

Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:

TNWs: linear feet width (ft), Or, acres.

Wetlands adjacent to TNWs: acres.

2. **RPWs that flow directly or indirectly into TNWs.**

Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:

Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.
Identify type(s) of waters: .

3. Non-RPWs⁸ that flow directly or indirectly into TNWs.

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.
Identify type(s) of waters: .

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
 Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .
 Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. Impoundments of jurisdictional waters.⁹

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- Demonstrate that impoundment was created from "waters of the U.S.," or
 Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
 Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):¹⁰

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
 from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
 which are or could be used for industrial purposes by industries in interstate commerce.
 Interstate isolated waters. Explain: .
 Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

⁸See Footnote # 3.

⁹To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

¹⁰Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres.
- Identify type(s) of waters: .
- Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
 - Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).
- Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: .
- Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource: .
- Wetlands: 3.4797 acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource: .
- Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: .
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps: .
- Corps navigable waters' study: .
- U.S. Geological Survey Hydrologic Atlas: .
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Bainbridge Auad, 7.5 Min series.
- USDA Natural Resources Conservation Service Soil Survey. Citation: Web soil Survey, Decatur County.
- National wetlands inventory map(s). Cite name: Pondtown Road Site.
- State/Local wetland inventory map(s): .
- FEMA/FIRM maps: FEMA Flood Zone.
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): Google Earth 2021.
 - or Other (Name & Date): .
- Previous determination(s). File no. and date of response letter: .
- Applicable/supporting case law: .
- Applicable/supporting scientific literature: .
- Other information (please specify): .

B. ADDITIONAL COMMENTS TO SUPPORT JD: There is no natural or man-made discrete and/or confined surface water connection between or among the subject features and any other jurisdictional water. Further, there is no evidence of surface-water flow to or from these features, nor are they located within the mapped 100-year flood plain. Therefore, during times of heavy precipitation, there is a very low probability that floodwater would reach an elevation necessary for water to flow from other jurisdictional waters into these features.

Consequently, based on a review of available mapping, as these features are not located immediately upslope of other jurisdictional waters, and based on their respective landscape positions, they do not appear to be a component of any recognizable hydrologic system and they also have no surface or subsurface hydrologic connection to any other jurisdictional water. The observations and findings for each feature are detailed as follows:

Wetland 1, 19 and 20 - The 0.19, 0.54 and 0.342 acre wetlands are located along the southern border of the review area. They are approximately 1.3 miles from the nearest jurisdictional water and TNW, the Flint River. They are located approximately 1 mile from the 100-year floodplain. The area is located within a pine plantation. There is no evidence of surface-water flow to or from the features. Therefore, during times of heavy precipitation, there is a very low probability that floodwaters would reach an elevation necessary for water to flow from other jurisdictional waters into these features. The attached LIDAR image and topographic map do not depict a depressional surface feature between the isolated wetland the nearest jurisdictional water, where water might flow during a major rainfall event. The upland soils located between the isolated wetland and the nearest jurisdictional wetland are mapped Lakeland sand, which have a sandy texture and are considered permeable. Even though the upland soils are permeable, a shallow subsurface connection cannot be documented due to the distance from the isolated wetland to the nearest jurisdictional water. Site conditions and soil permeability, it appears that any subsurface flow would occur from the upland into the wetland.

Wetland 2 - The 0.13 acre wetland is located east of and adjacent to the Georgia Southeastern Railway. It is approximately 1.7 miles from the nearest jurisdictional water and TNW, the Flint River. It is located approximately 1.4 mile from the 100-year floodplain. The area is located within a pine plantation. There is no evidence of surface-water flow to or from the features. Therefore, during times of heavy precipitation, there is a very low probability that floodwaters would reach an elevation necessary for water to flow from other jurisdictional waters into these features. The attached LIDAR image and topographic map do not depict a depressional surface feature between the isolated wetland the nearest jurisdictional water, where water might flow during a major rainfall event. The upland soils located between the isolated wetland and the nearest jurisdictional wetland are mapped Lakeland sand, which have a sandy texture and are considered permeable. Even though the upland soils are permeable, a shallow subsurface connection cannot be documented due to the distance from the isolated wetland to the nearest jurisdictional water. Site conditions and soil permeability, it appears that any subsurface flow would occur from the upland into the wetlands.

Wetland 3-7 - The 0.147, 0.153, 0.958, 0.198, and 0.079 acre wetlands are located east of the railway and Pondtown Road intersection. They are approximately 1.6 miles from the nearest jurisdictional water and TNW, the Flint River. It is located approximately 1.3 mile from the 100-year floodplain. The area is located within a pine plantation. There is no evidence of surface-water flow to or from the features. Therefore, during times of heavy precipitation, there is a very low probability that floodwaters would reach an elevation necessary for water to flow from other jurisdictional waters into these features. The attached LIDAR image and topographic map do not depict a depressional surface feature between the isolated wetland the nearest jurisdictional water, where water might flow during a major rainfall event. The upland soils located between the isolated wetland and the nearest jurisdictional wetland are mapped Lakeland sand, which have a sandy texture and are considered permeable. Even though the upland soils are permeable, a shallow subsurface connection cannot be documented due to the distance from the isolated wetland to the nearest jurisdictional water. Site conditions and soil permeability, it appears that any subsurface flow would occur from the upland into the wetland.

Wetlands 8 and 9 - The 0.066 and 0.057 acre wetlands are located east Pondtown Road in the northwest quadrant of the review area. They are approximately 1.6 miles from the nearest jurisdictional water and TNW, the Flint River. It is located approximately 1.3 mile from the 100-year floodplain. The area is located within a pine plantation. There is no evidence of surface-water flow to or from the features. Therefore, during times of heavy precipitation, there is a very low probability that floodwaters would reach an elevation necessary for water to flow from other jurisdictional waters into these features. The attached LIDAR image and topographic map do not depict a depressional surface feature between the isolated wetland the nearest jurisdictional water, where water might flow during a major rainfall event. The upland soils located between the isolated wetland and the nearest jurisdictional wetland are mapped Lakeland sand, which have a sandy texture and are considered permeable. Even though the upland soils are permeable, a shallow subsurface connection cannot be documented due to the distance from the isolated wetland to the nearest jurisdictional water. Site conditions and soil permeability, it appears that any subsurface flow would occur from the upland into the wetlands.

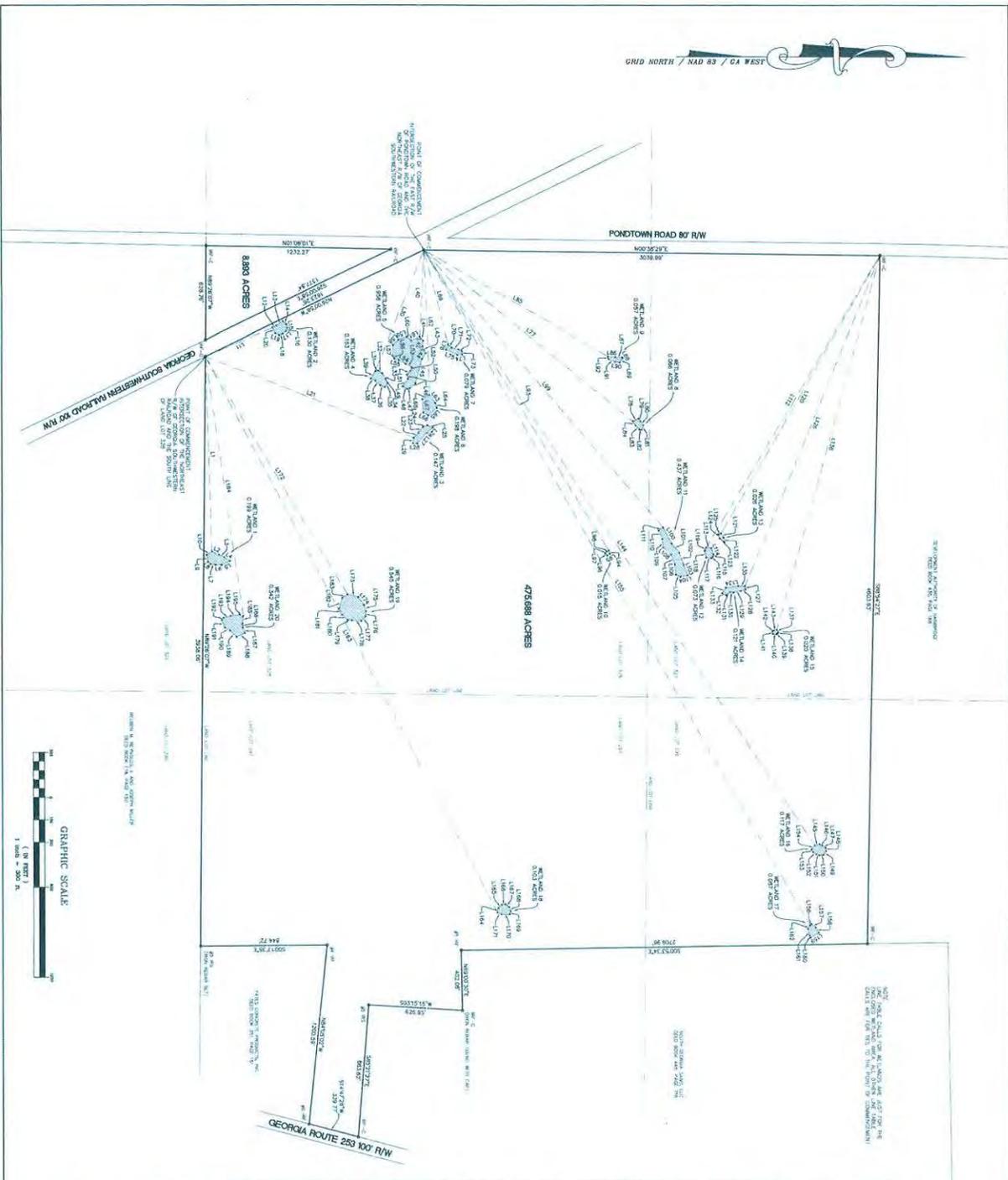
Wetlands 10 - 15 -The 0.015, 0.0437, 0.073, 0.026, 0.121 and 0.02 acre wetlands are located near the northern border of the review area. They are approximately 1.3 miles from the nearest jurisdictional water and TNW, the Flint River. It is located approximately 1 mile from the 100-year floodplain. The area is located within a pine plantation. There is no evidence of surface-water flow to or from the features. Therefore, during times of heavy precipitation, there is a very low probability that floodwaters would reach an elevation necessary for water to flow from other jurisdictional waters into these features. The attached LIDAR image and topographic map do not depict a depressional surface feature between the isolated wetland the nearest jurisdictional water, where water might flow during a major rainfall event. The upland soils located between the isolated wetland and the nearest jurisdictional wetland are mapped Lakeland sand, which have a sandy texture and are considered permeable. Even though the upland soils are permeable, a shallow subsurface connection cannot be documented due to the distance from the isolated wetland to the nearest jurisdictional water. Site conditions and soil permeability, it appears that any subsurface flow would occur from the upland into the wetland

Wetlands 16 and 17 -The 0.117 and 0.087 acre wetlands are located in the north east corner of the review area. They are approximately 0.8 mile from the nearest jurisdictional water and TNW, the Flint River. It is located approximately 0.6 mile from the 100-year floodplain. The area is located within a pine plantation. There is no evidence of surface-water flow to or from the features. Therefore, during times of heavy precipitation, there is a very low probability that floodwaters would reach an elevation necessary for water to flow from other jurisdictional waters into these features. The attached LIDAR image and topographic map do not depict a depressional surface feature between the isolated wetland the nearest jurisdictional water, where water might flow during a major rainfall event. The upland soils located between the isolated

wetland and the nearest jurisdictional wetland are mapped Lakeland sand, which have a sandy texture and are considered permeable. Even though the upland soils are permeable, a shallow subsurface connection cannot be documented due to the distance from the isolated wetland to the nearest jurisdictional water. Site conditions and soil permeability, it appears that any subsurface flow would occur from the upland into the wetland.

Wetland 18 - The 0.103 acre wetland is located along the eastern boarder of the review area. It is approximately 0.8 mile from the nearest jurisdictional water and TNW, the Flint River. It is located approximately 0.6 mile from the 100-year floodplain. The area is located within a pine plantation. There is no evidence of surface-water flow to or from the features. Therefore, during times of heavy precipitation, there is a very low probability that floodwaters would reach an elevation necessary for water to flow from other jurisdictional waters into these features. The attached LIDAR image and topographic map do not depict a depression surface feature between the isolated wetland the nearest jurisdictional water, where water might flow during a major rainfall event. The upland soils located between the isolated wetland and the nearest jurisdictional wetland are mapped Lakeland sand, which have a sandy texture and are considered permeable. Even though the upland soils are permeable, a shallow subsurface connection cannot be documented due to the distance from the isolated wetland to the nearest jurisdictional water. Site conditions and soil permeability, it appears that any subsurface flow would occur from the upland into the wetlands.

Wetland	Acreage
1	0.199 acres
2	0.13 acres
3	0.147 acres
4	0.153 acres
5	0.958 acres
6	0.198 acres
7	0.079 acres
8	0.066 acres
9	0.057 acres
10	0.015 acres
11	0.0437 acres
12	0.073 acres
13	0.026 acres
14	0.121 acres
15	0.02 acres
16	0.117 acres
17	0.087 acres
18	0.103 acres
19	0.545 acres
20	0.342 acres
Total	3.4797 Acres

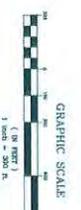


NOTE: THIS PLAN IS FOR INFORMATION ONLY AND DOES NOT CONSTITUTE A CONTRACT. THE CLIENT IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DATA AND INFORMATION PROVIDED HEREON.

WETLAND #	LINE NUMBER	LINE NUMBER	LINE NUMBER
WETLAND 1	101	102	103
	104	105	106
	107	108	109
	110	111	112
	113	114	115
	116	117	118
	119	120	121
	122	123	124
	125	126	127
	128	129	130
	131	132	133
	134	135	136
	137	138	139
	140	141	142
WETLAND 2	143	144	145
	146	147	148
	149	150	151
	152	153	154
	155	156	157
	158	159	160
	161	162	163
	164	165	166
	167	168	169
	170	171	172
	173	174	175
	176	177	178
	179	180	181
	WETLAND 3	182	183
185		186	187
188		189	190
191		192	193
194		195	196
197		198	199
200		201	202
203		204	205
206		207	208
209		210	211
212		213	214
215		216	217
218		219	220
WETLAND 4		221	222
	224	225	226
	227	228	229
	230	231	232
	233	234	235
	236	237	238
	239	240	241
	242	243	244
	245	246	247
	248	249	250
	251	252	253
	254	255	256
	257	258	259
	WETLAND 5	260	261
263		264	265
266		267	268
269		270	271
272		273	274
275		276	277
278		279	280
281		282	283
284		285	286
287		288	289
290		291	292
293		294	295
296		297	298
WETLAND 6		299	300
	302	303	304
	305	306	307
	308	309	310
	311	312	313
	314	315	316
	317	318	319
	320	321	322
	323	324	325
	326	327	328
	329	330	331
	332	333	334
	335	336	337
	WETLAND 7	338	339
341		342	343
344		345	346
347		348	349
350		351	352
353		354	355
356		357	358
359		360	361
362		363	364
365		366	367
368		369	370
371		372	373
374		375	376
WETLAND 8		377	378
	380	381	382
	383	384	385
	386	387	388
	389	390	391
	392	393	394
	395	396	397
	398	399	400
	401	402	403
	404	405	406
	407	408	409
	410	411	412
	413	414	415
	WETLAND 9	416	417
419		420	421
422		423	424
425		426	427
428		429	430
431		432	433
434		435	436
437		438	439
440		441	442
443		444	445
446		447	448
449		450	451
452		453	454
WETLAND 10		455	456
	458	459	460
	461	462	463
	464	465	466
	467	468	469
	470	471	472
	473	474	475
	476	477	478
	479	480	481
	482	483	484
	485	486	487
	488	489	490
	491	492	493
	WETLAND 11	494	495
497		498	499
500		501	502
503		504	505
506		507	508
509		510	511
512		513	514
515		516	517
518		519	520
521		522	523
524		525	526
527		528	529
530		531	532
WETLAND 12		533	534
	536	537	538
	539	540	541
	542	543	544
	545	546	547
	548	549	550
	551	552	553
	554	555	556
	557	558	559
	560	561	562
	563	564	565
	566	567	568
	569	570	571
	WETLAND 13	572	573
575		576	577
578		579	580
581		582	583
584		585	586
587		588	589
590		591	592
593		594	595
596		597	598
599		600	601
602		603	604
605		606	607
608		609	610
WETLAND 14		611	612
	614	615	616
	617	618	619
	620	621	622
	623	624	625
	626	627	628
	629	630	631
	632	633	634
	635	636	637
	638	639	640
	641	642	643
	644	645	646
	647	648	649
	650	651	652

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 1000 W. BROADWAY, SUITE 1000
 ATLANTA, GEORGIA 30334
 (404) 525-1111
 www.laniereng.com

WETLANDS MAP
POND TOWN INDUSTRIAL PARK
 GEORGIA SOUTHWESTERN RAILROAD

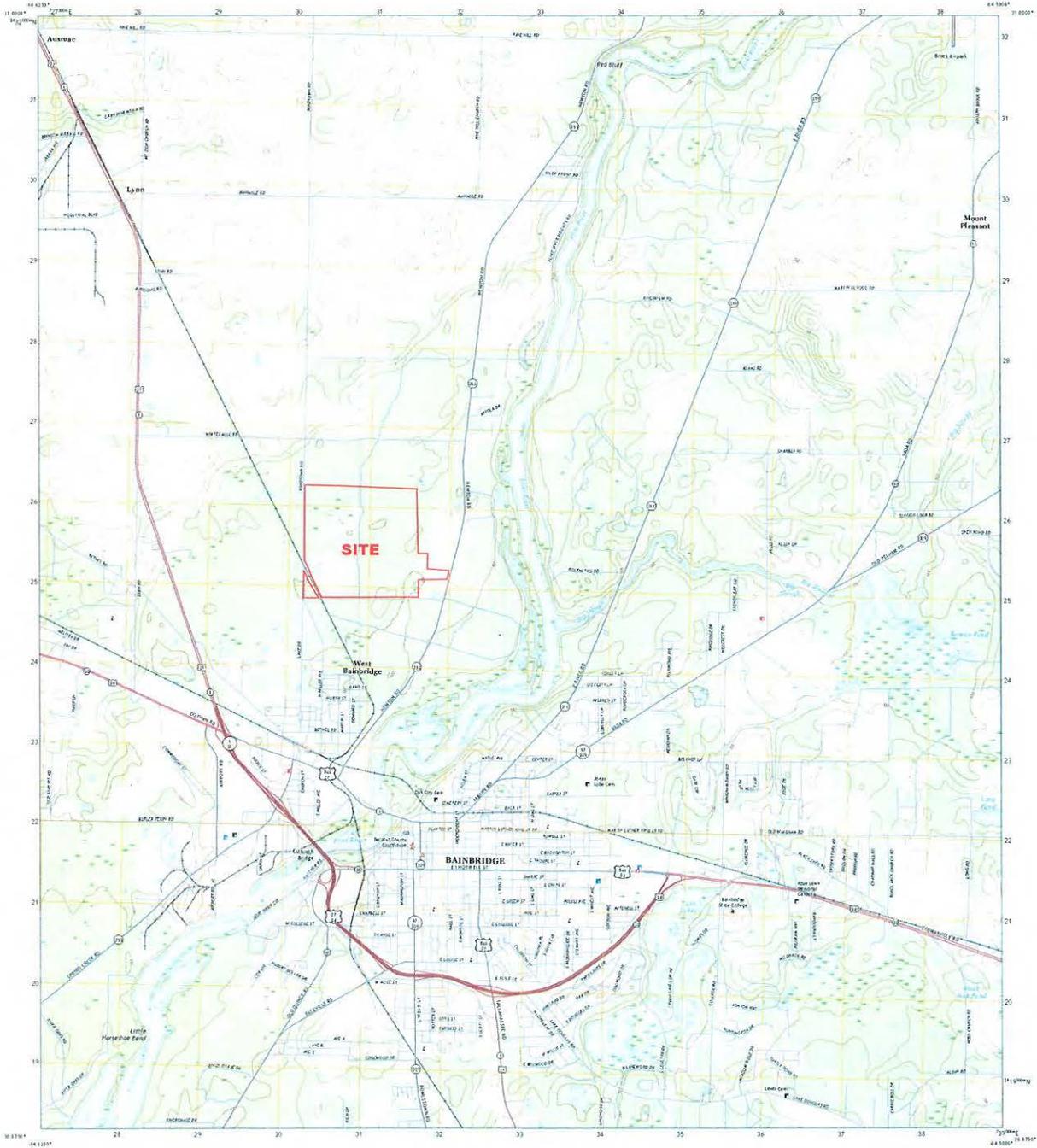




U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



BAINBRIDGE QUADRANGLE
GEORGIA - DECATUR COUNTY
7.5 MINUTE SERIES



Produced by the United States Geological Survey

North arrow at bottom of page (1:24,000)
 North arrow at bottom of page (1:24,000)
 This map is a USGS document. It is not for sale.
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SCALE 1:24 000



CONTOUR INTERVAL: 10 FEET

NORTH ARROW: VERTICAL DIRECTION OF TRUE NORTH

PRODUCTION DATE: 2010

AGRICULTURE: 2010

AGRICULTURE: 2010

AGRICULTURE: 2010



ROAD CLASSIFICATION

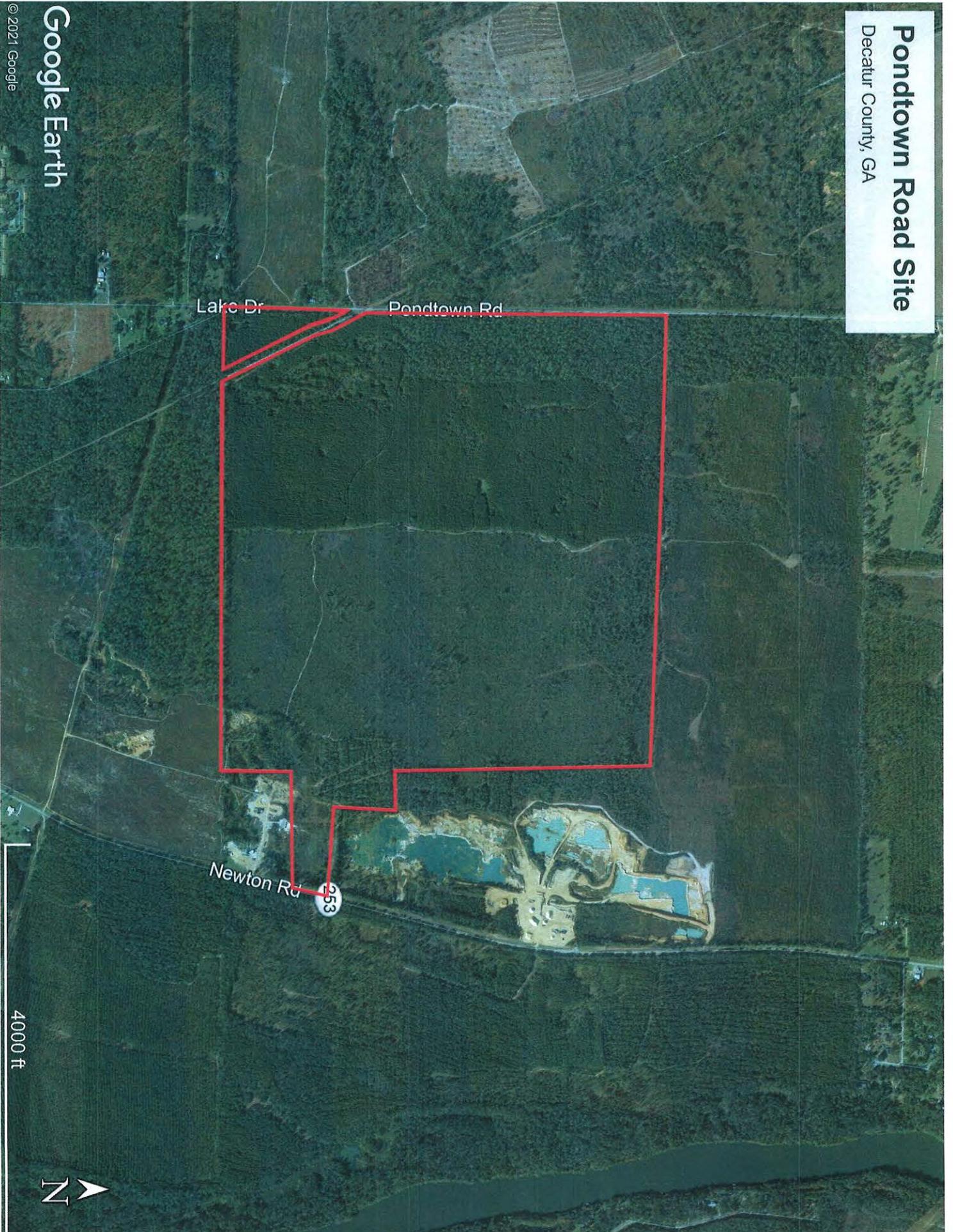
State Route	Local Connector
State Route	Local Road
State Route	Local Road
State Route	Local Road

BAINBRIDGE, GA
2010



Pondtown Road Site

Decatur County, GA



Lake Dr

Pondtown Rd

Newton Rd

SR 53

4000 ft



Google Earth

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

August 4, 2021

Wetlands

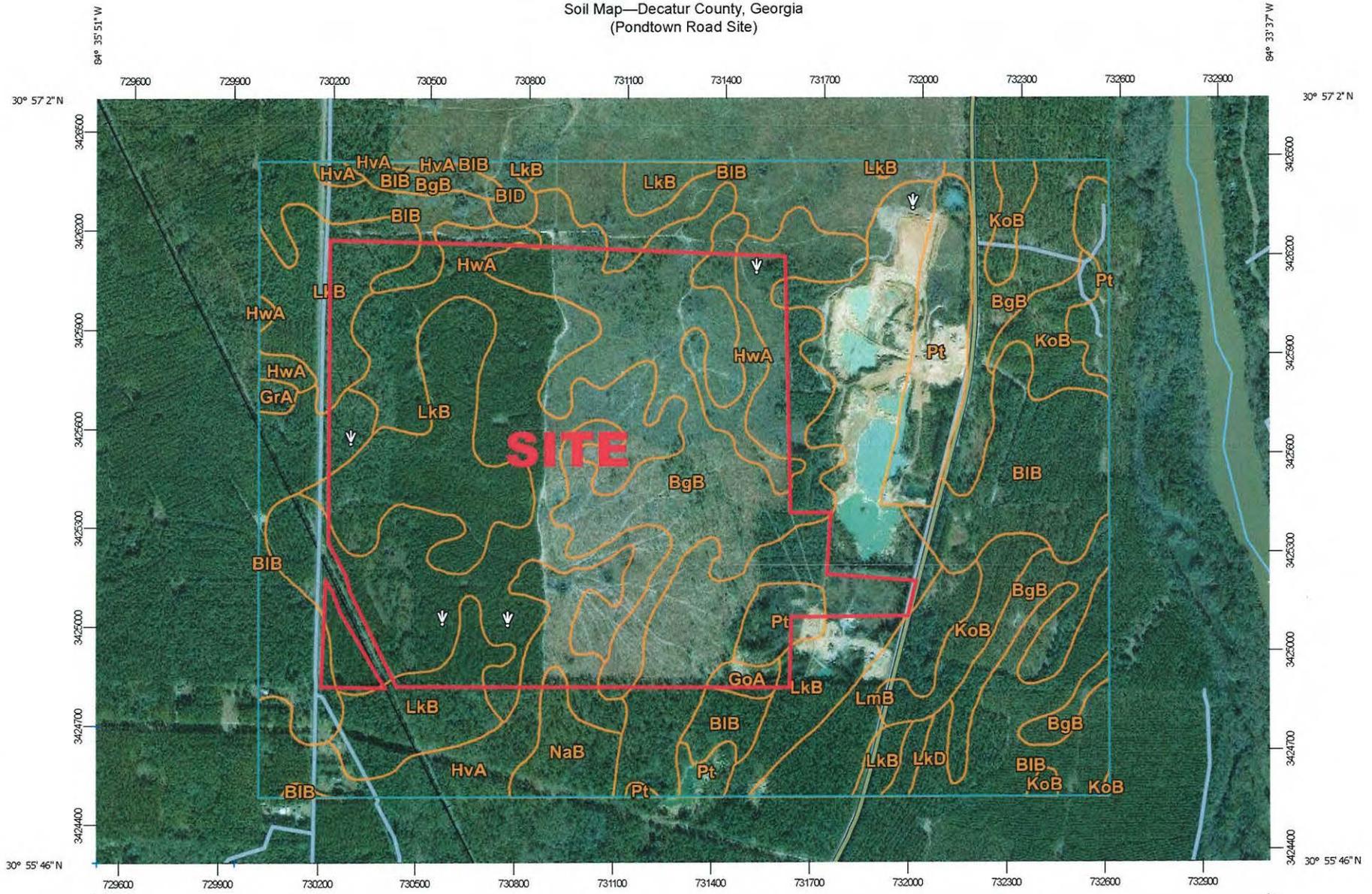
-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond

-  Lake
-  Other
-  Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Soil Map—Decatur County, Georgia
(Pondtown Road Site)



Map Scale: 1:16,300 if printed on A landscape (11" x 8.5") sheet.

0 200 400 800 1200 Meters

0 500 1000 2000 3000 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

Soil Map—Decatur County, Georgia
(Pondtown Road Site)

MAP LEGEND

Area of Interest (AOI)		 Spoil Area	
 Area of Interest (AOI)		 Stony Spot	
Soils		 Very Stony Spot	
 Soil Map Unit Polygons		 Wet Spot	
 Soil Map Unit Lines		 Other	
 Soil Map Unit Points		 Special Line Features	
Special Point Features		Water Features	
 Blowout		 Streams and Canals	
 Borrow Pit		Transportation	
 Clay Spot		 Rails	
 Closed Depression		 Interstate Highways	
 Gravel Pit		 US Routes	
 Gravelly Spot		 Major Roads	
 Landfill		 Local Roads	
 Lava Flow		Background	
 Marsh or swamp		 Aerial Photography	
 Mine or Quarry			
 Miscellaneous Water			
 Perennial Water			
 Rock Outcrop			
 Saline Spot			
 Sandy Spot			
 Severely Eroded Spot			
 Sinkhole			
 Slide or Slip			
 Sodic Spot			

MAP INFORMATION

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

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: Decatur County, Georgia
Survey Area Data: Version 15, Jun 8, 2020

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

Date(s) aerial images were photographed: Feb 11, 2016—Dec 15, 2017

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
BgB	Bigbee loamy fine sand, 0 to 5 percent slopes, rarely flooded	250.1	20.2%
BIB	Blanton loamy sand, 0 to 5 percent slopes	232.8	18.8%
BID	Blanton loamy sand, 5 to 12 percent slopes	5.3	0.4%
GoA	Goldsboro loamy sand, 0 to 2 percent slopes	4.5	0.4%
GrA	Grady sandy loam, 0 to 2 percent slopes, frequently ponded	2.5	0.2%
HvA	Hornsville fine sandy loam, 0 to 2 percent slopes	58.9	4.8%
HwA	Hornsville-Wahee complex 0 to 2 percent slopes	204.4	16.5%
KoB	Kolomoki sandy loam, 0 to 5 percent slopes	47.0	3.8%
LkB	Lakeland sand, 0 to 5 percent slopes	306.9	24.8%
LkD	Lakeland sand, 5 to 12 percent slopes	3.8	0.3%
LmB	Lucy loamy sand, 0 to 5 percent slopes	33.3	2.7%
NaB	Nankin loamy fine sand, 2 to 5 percent slopes	18.6	1.5%
Pt	Pits	69.6	5.6%
Totals for Area of Interest		1,237.9	100.0%

1700 Pondtown Rd, Bainbridge, Georgia, 39817



Low Risk

Current Flood Zone:	Not Available	Not Available
Probability of Flooding (30-Year Period)	Not Available	Not Available
Base Flood Elevation	Not Available	Not Available
100-Year Flood Depth	Not Available	Not Available
Preliminary Flood Zone	Not Available	Not Available
Flood Zone Change Type	Not Available	Not Available

Location Information

Panel:	13087C0175E
Watershed:	Lower Flint
County:	DECATUR
Community ID:	13087C
Map Status:	EFFECTIVE

* Flood Depths shown on this report are derived from FEMA RiskMAP products and are rounded to the nearest tenth of a foot. These depths are calculated from HEC-RAS modeling and represent the best available data. Only areas within a RiskMAP studied watershed will have this data available. Please check back if your area is not currently available. For more information, please visit the FEMA Map Service Center at <https://msc.fema.gov/portal/resources/fag>

Nature Doesn't Read Flood Maps

Many people don't understand just how risky the floodplain can be. There is a greater than 26% chance that a non-elevated home in the SFHA will be flooded during a 30-year mortgage period.

The chance that a major fire will occur during the same period is less than 10%!

FOR MORE INFORMATION VISIT, PLEASE VISIT:



Legend with Flood Zone Designations

Flood Control Structures	1% Flood - Floodway (High Risk)	1% Flood - Zone VE (HighRisk)	Floodway Decrease
Base Flood Elevations	1% Flood - Zone AE (High Risk)	Area Not Included	Floodway Increase
Cross Sections	1% Flood - Zone A, AH, or AO (HighRisk)	Letters of Map Revision	100-Year Flood Zone Decrease
Coastal Transects	0.2% Flood - X-Shaded (Moderate Risk)	Coastal Barrier Resource Area	100-Year Flood Zone Increase
FIRM Panel Index	Area of Undetermined Flood Hazard	Limit of Moderate Wave Action	Zone Change

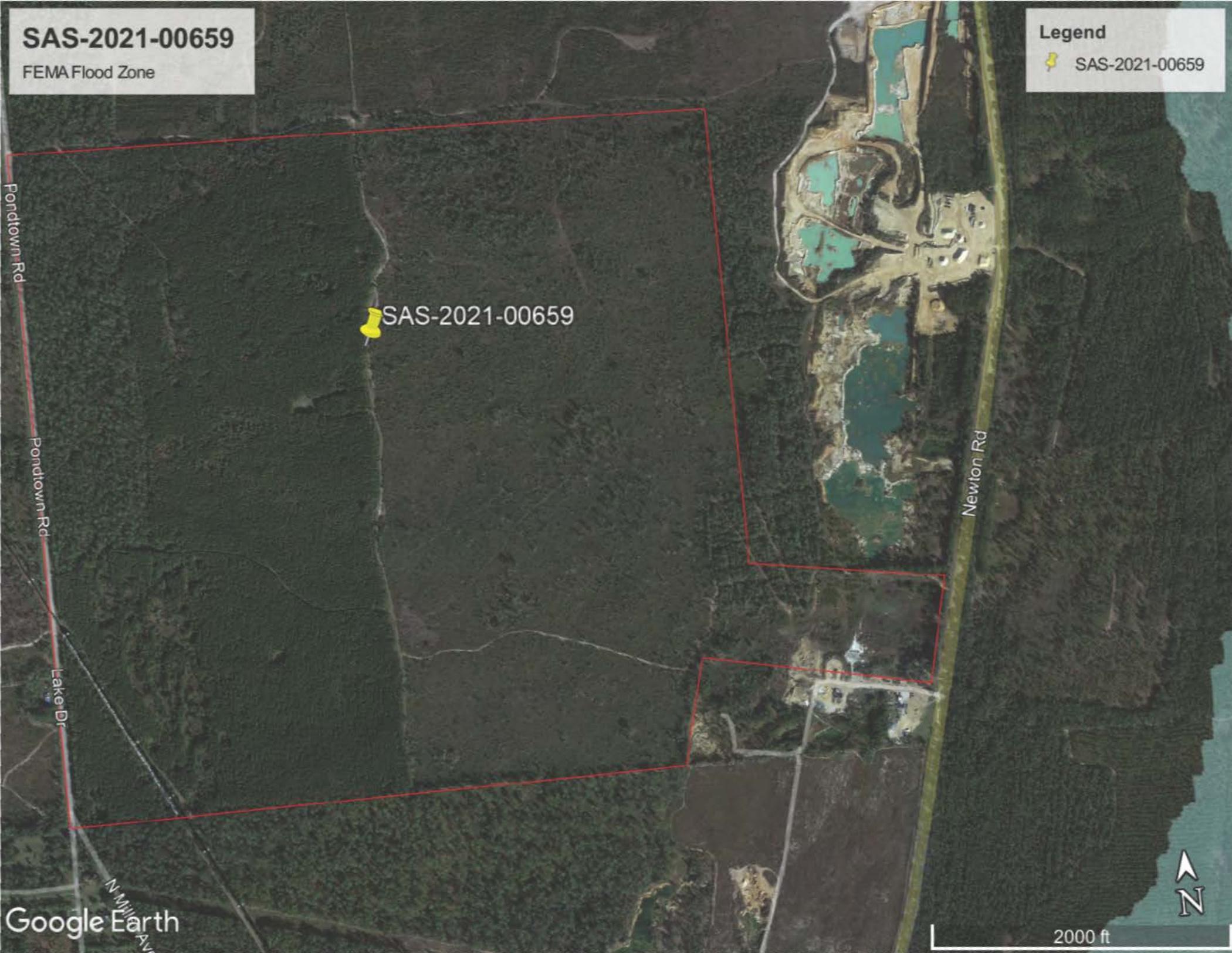
Disclaimer: This data is not to be used to determine any base flood elevations or flood zone designations for NFIP (National Flood Insurance Program) purposes. For NFIP flood insurance and regulation purposes, please refer to the published effective FIRM (Flood Rate Insurance Map) for your area of concern. Values displayed for Current Flood Zone, Preliminary Flood Zone, Flood Zone Change Type, and Probability of Flooding over a 30-year period based on center of dot location, not extent of structure(s).

SAS-2021-00659

FEMA Flood Zone

Legend

 SAS-2021-00659



Google Earth

2000 ft



