



September 20, 2023

Richard and Mabell Butterworth

**RE: Jurisdictional Wetland
Assessment:**

**0.65-Acre Site in Santa Rosa County at 2339 Winfield Drive, Navarre, Florida
Santa Rosa County Parcel Number: 18-2S-26-1920-06300-0110**

Dear Richard and Mabell,

Biome Consulting Group, L.L.C. (Biome) has completed a jurisdictional wetlands and waters assessment of the above-referenced property. This assessment included an analysis of vegetative cover and composition, wetland hydrology indicators, and hydric soil indicators per state and federal procedural guidelines. The following summarizes our findings and the regulatory agencies' potential involvement with this property.

JURISDICTIONAL WETLANDS

Biome conducted a wetland jurisdictional determination and delineation and marked the established wetland line with dayglow-pink flagging tape. Per state and federal guidelines, our assessment included an analysis of vegetative cover and composition, hydric soil indicators, and wetland hydrology indicators. The following summarizes the regulatory agencies' potential involvement with this property.

Section 404 of the Clean Water Act (C.W.A.)

Technical guidelines outlined in the U.S. Army Corps of Engineers Wetlands Delineation Manual (1987), Regional Guidance Letters, and other pertinent sources were applied in the field to determine the presence and location of "Waters of the United States" subject to the protections of Section 404 of the Clean Water Act. Onsite reconnaissance was conducted, including evaluation of plant communities, soils, and hydrology. Technical observations of site conditions relative to the jurisdictional status of the site consisted of the following.

1. **General Observations:** The site is a lot of record within an existing subdivision. It lies about 33 feet above sea level. It is relatively flat, forested with plantation pines, and has a heavy pine needle duff layer. There is a slightly depressed ditch that runs offsite along the paved street. A broader and deeper ditch with surface water runs onsite along the west end of the property. This site is bordered on the north and the south by improved residential properties. To the west, the adjacent property appears to be under development. To the east, the site is bordered by Winfield Drive.

2. **Vegetation:** The uplands are dominated by slash pine, sparkleberry, saw palmetto, yaupon holly, water oak, and inkberry. Wetlands are dominated by slash pines, black gum, black titi, wax myrtle, myrtle-leaf holly, tall gallberry, cinnamon fern, redroot, ten-angled pipewort, and clubmoss.
3. **Soils:** The soil survey indicates that Rutlege loamy sand (hydric) series soils underlie the property. Onsite soil pit excavation revealed the **S7 Dark Surface** hydric soil indicator below the delineated line. No hydric soil indicators were observed upslope of the flagged line.
4. **Hydrology:** Observed field indicators of wetland hydrology included morphological plant adaptations and dark-stained leaves.

The requisite parameters for the jurisdiction of wetlands and other waters of the United States under the Clean Water Act can be met on this site.

State of Florida

In addition to the Clean Water Act, Florida regulates wetlands and other surface waters other than "Waters of the United States." State wetland regulations are implemented, separately from C.W.A. permitting, through the Florida Department of Environmental Protection (FEDP) and regional Water Management Districts (W.M.D.). Technical criteria for determining the presence of State jurisdictional features, outlined in the Florida Wetland Delineation Manual, were applied during site reconnaissance. Based on observed conditions, the presenting plant communities, soil structures, and hydrological features meet at least one of the jurisdictional tests outlined in the Florida Wetland Delineation Manual. Thus, proposed impacts to the identified wetlands will require a separate State of Florida Environmental Resource (ERP) Permit.

The basic premise of the ERP program is that no discharge of dredge or fill material may be permitted if a practicable alternative exists that is less damaging to the aquatic environment or if surface waters would be significantly degraded. What this means is, to the extent practical, when you apply for a permit, you must show that you have:

- Reasonably avoided all wetland impacts,
- Minimized potential impacts on wetlands,
- Provided compensation for any remaining unavoidable impacts.

CONCLUSION

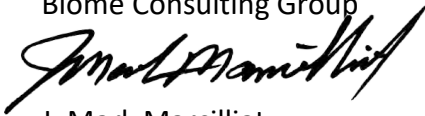
Based on our thorough assessment, we have concluded that **0.29-acres of the target property are uplands** with **0.29-acres of wetlands** and other waters, and **0.07-acres of surface water** within the jurisdiction of the C.W.A. and the State of Florida. Any proposal to develop the wetland portion of the property will require both a C.W.A. and a State of Florida Environmental Resource permit. We note that calculations are based on an inspection boundary approximated from the county property appraiser's depiction of the property boundary. An actual boundary survey may result in slightly different acreage calculations.

A wetland delineation performed by an ecological consultant represents the professional opinion of the scientist who performed the work. Only regulatory agencies can establish a legal and binding

jurisdictional boundary. Such can be obtained by submitting a permit application and waiting several months for processing. This letter should suffice for local government permits (e.g., building permits). This report is intended for the sole use of the above-listed addressee. Its contents may not be relied upon by other parties without the written consent of Biome Consulting Group.

Our assessment of the above-referenced site is now concluded. We look forward to being of assistance to you again in the future.

Sincerely,
Biome Consulting Group

A handwritten signature in black ink, appearing to read "J. Mark Marcilliat". The signature is fluid and cursive, written over the printed name.

J. Mark Marcilliat
Environmental Scientist

1002 Butterworth

Attachment: Jurisdictional Wetlands Map



APPROXIMATE ACREAGES
 UPLANDS: 0.29-ACRES
 WETLANDS: 0.29-ACRES
 ONSITE DITCH: 0.07-ACRES

JURISDICTIONAL WETLANDS MAP
SANTA ROSA COUNTY
2339 WINFIELD DRIVE
18-2S-26-1920-06300-0110
RICHARD BUTTERWORTH

LEGEND

- INSPECTION BOUNDARY
- UPLANDS
- WETLANDS
- DITCHES

1002 BUT
 JMM
 9/20/2023

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THIS IS NOT A SURVEY