

**Ormond Beach**

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December 22, 2023

Bart Drake
marcobuild01@aol.com

Re: Wetland Delineation
Southwest Chiefland Lane, Fort White, FL 32038
Columbia Co. Parcel ID: 026S1603766135
Verde Environmental -- Project No. 23-236

Dear Bart,

Verde Environmental Co. (Verde) completed a wetland delineation on the above referenced property on December 20, 2023. The inspection area was traversed on foot, and the landward extent of wetland habitat and other surface waters (OSW) was delineated in accordance with the methods outlined in the Florida Unified Wetland Delineation Methodology (Chapter 62-340, F.A.C.) and the Army Corps of Engineers Wetland Delineation Manual (1987). The wetland-upland boundary was marked in the field using numbered segments of pink flagging tape. The location of each wetland flag was recorded using a handheld GPS. In total, +/- 1.06 acres of wetland were delineated and mapped onsite within the parcel boundaries (see enclosed Wetlands Map).

The wetland habitat is a Freshwater Marsh community. Dominant vegetation included: dahoon holly (*Ilex cassine*), wax myrtle (*Morella cerifera*), primrose willow (*Ludwigia* sp.), bushy bluestem (*Andropogon glomeratus*), creeping little bluestem (*Schizachyrium stoloniferum*), bighead rush (*Juncus megacephalus*), carpet grass (*Axonopus* sp.), spike rush (*Eleocharis* sp.), Yankee weed (*Eupatorium compositifolium*), St. John's wort (*Hypericum* sp.), yellow-eyed grass (*Xyris* sp.), meadow beauty (*Rhexia* sp.), spade leaf (*Centella asiatica*), and hat pin (*Syngonanthus flavidulus*). Soils inside of the wetland line were characterized by the hydric soil Muck Presence. The presence of muck, hypertrophied lenticels, and watermarks were noted indicators of wetland hydrology.

The upland habitat was dominated by laurel oak (*Quercus laurifolia*), live oak (*Quercus virginiana*), slash pine (*Pinus elliottii*), black cherry (*Prunus serotina*), sparkleberry (*Vaccinium arboreum*), shiny blueberry (*Vaccinium myrsinites*), witch grass (*Dichanthelium* sp.), silk grass (*Pityopsis* sp.), pine barren frostweed (*Crocanthemum corymbosum*), creeping little bluestem, yellow jessamine (*Gelsemium sempervirens*), and green brier (*Smilax* sp.). No hydric soils or indicators of wetland hydrology were observed within the uplands.

Once you are ready to proceed with development, you will need to have a professional surveyor create a property boundary survey that includes the wetlands. The survey, along with a detailed development plan, could then be submitted as part of any application for a construction permit from Columbia County. Furthermore, you will be required to obtain an Environmental Resource Permit (ERP) from the State and applicable wetland permits from the county prior to impacting the wetland habitat if wetland impacts are necessary. Minor, unavoidable impacts for a reasonable use of the

property are generally permitted. However, regulators will require that you minimize the wetland impacts as much as possible. Permitting costs and time can be substantially reduced if development and construction is located entirely outside of the wetland and the wetland setback required by the County.

The conclusions presented in this report are based on the conditions observed on the day of the field investigation. Wetland extent can change over time if hydrologic conditions change. Furthermore, these results have not been approved by any local, state, or federal regulatory agencies. The agencies with jurisdictional responsibility make the final determination as to wetland/surface water extent and qualitative function.

Thank you for this opportunity to provide professional consulting services. Please email me at justin@verdeenv.com if you have any questions or wish to discuss this project further.

Sincerely,

A handwritten signature in black ink, appearing to read "Justin Fleischman". The signature is fluid and cursive, with the first name "Justin" written in a larger, more prominent script than the last name "Fleischman".

Justin Fleischman
CEO, Verde Environmental

Enclosures: Wetlands Map

23-236 WETLAND MAP
SW CHIEFLAND LANE
FORT WHITE, FL 32038
COLUMBIA COUNTY PARCEL:
026S1603766135
2023 TRUE COLOR AERIAL

0 125 250 ft
1:3,000



LEGEND



Property Boundary



Wetland (+/- 1.06 acres)



Wetland Flags



DATA SOURCES: COLUMBIA COUNTY, USGS/NHD,
NRCS, FWS, FL DOT, FDEP, FGDL AND VERDE.
DATA ARE PROVIDED "AS IS".
ACREAGES ARE APPROXIMATE AND GIS DERIVED.
SCALED FOR PRINTING ON 8.5X11" PAPER.

