

Appendix E – Wetland Delineation Report



WILDLIFE SOLUTIONS INC.

J. J. McCool

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Compton Engineering
Lisa D. Morrison, RPG
Senior Geologist
156 Nixon Street,
Biloxi, MS 39530
P: 228.432-2133

lmorrison@comptonengineering.com

December 5, 2018

RE: Wetland delineation of rail line corridor in Moss Point, Mississippi.

Dear Ms. Morrison,

Attached you will find the copies of the maps for the wetland delineation performed on the rail line corridor. The site that will be impacted is comprised of the following three habitats types in respective order. Inland Tidal Marsh covers the majority of the corridor, beginning where the old and new rail lines intersect at the bank of the Escatawpa River then running southeast to nearly the point of beginning at the newly laid railroad track. This section is dominated by two primary vegetative species, Black Needle Rush (*Juncus roemerianus*) and Sawgrass (*Caladium jamaicense*). The remaining corridor is forested wetlands with a small balance of forested uplands, primarily hummocks, a result of past spoil disposal. Both the forested wetland and upland are typical of Coastal Flatwoods and Maritime Forest with the canopy dominated by Slash Pine (*Pinus elliottii*) with scattered Water Oaks (*Quercus nigra*), Southern Magnolia (*Magnolia grandiflora*) and Yaupon (*Ilex vomitoria*) in the drier areas contrasted with Bald Cypress (*Taxodium distichum*), Sweetbay Magnolia (*Magnolia virginiana*) and Wax Myrtle (*Morella cerifera*) in the wettest portions. It should be noted that the entire forested area also contains a heavy shrub and mid story layer of invasive exotic plants such as Chinese Tallow (*Triadica sebifera*) and Chinese Privet (*Ligustrum sinense*). Fortunately, this type of degradation is not prevalent within the Tidal Marsh section and it appears to be functioning on a high order. Again, thank you for choosing Wildlife Solutions, Inc. and we look forward to working with you in the future.

Best Regards,

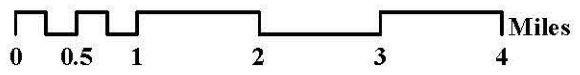
JJ McCool
MS Registered Forester #1411
AL Registered Forester #2098
Certified Wildlife Biologist



Site

Moss Point

Pascagoula



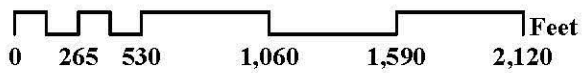
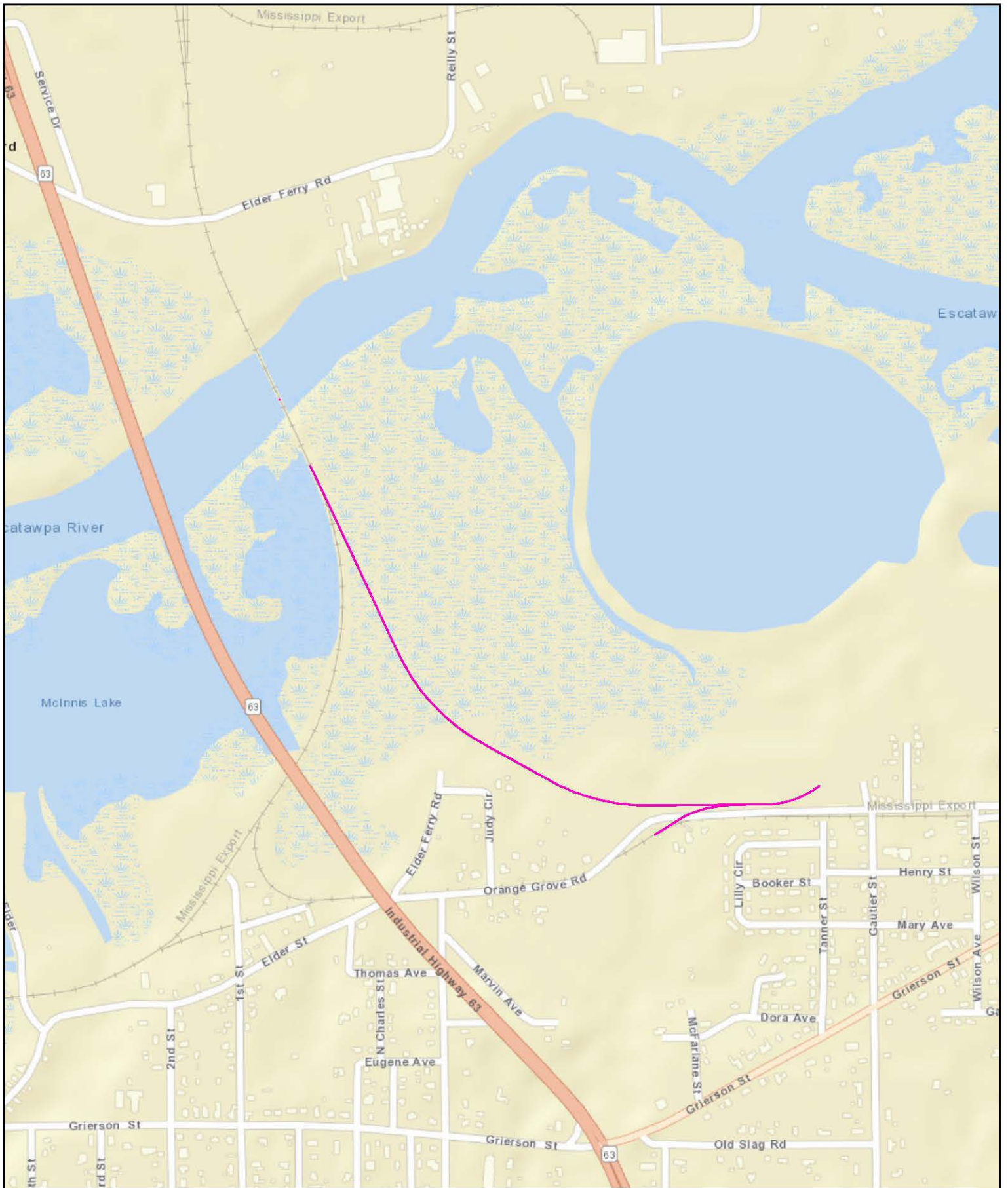
Moss Point, Mississippi

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1 inch = 2 miles





Moss Point, Mississippi

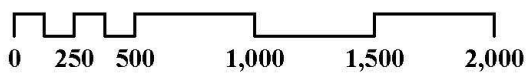
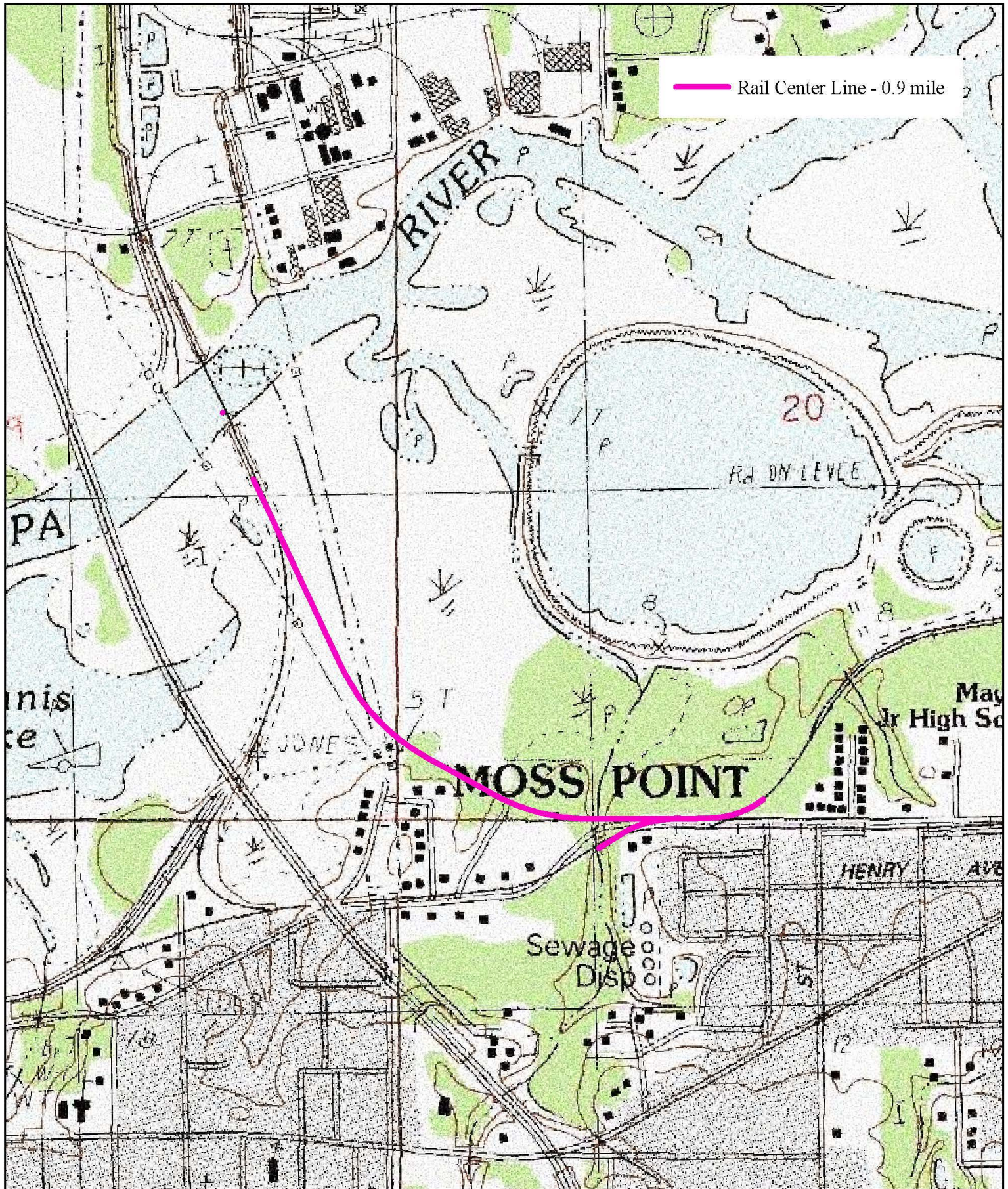
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1 inch = 800 feet



Rail Center Line - 0.9 mile






Feet
1 inch = 800 feet

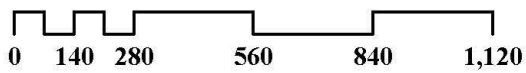
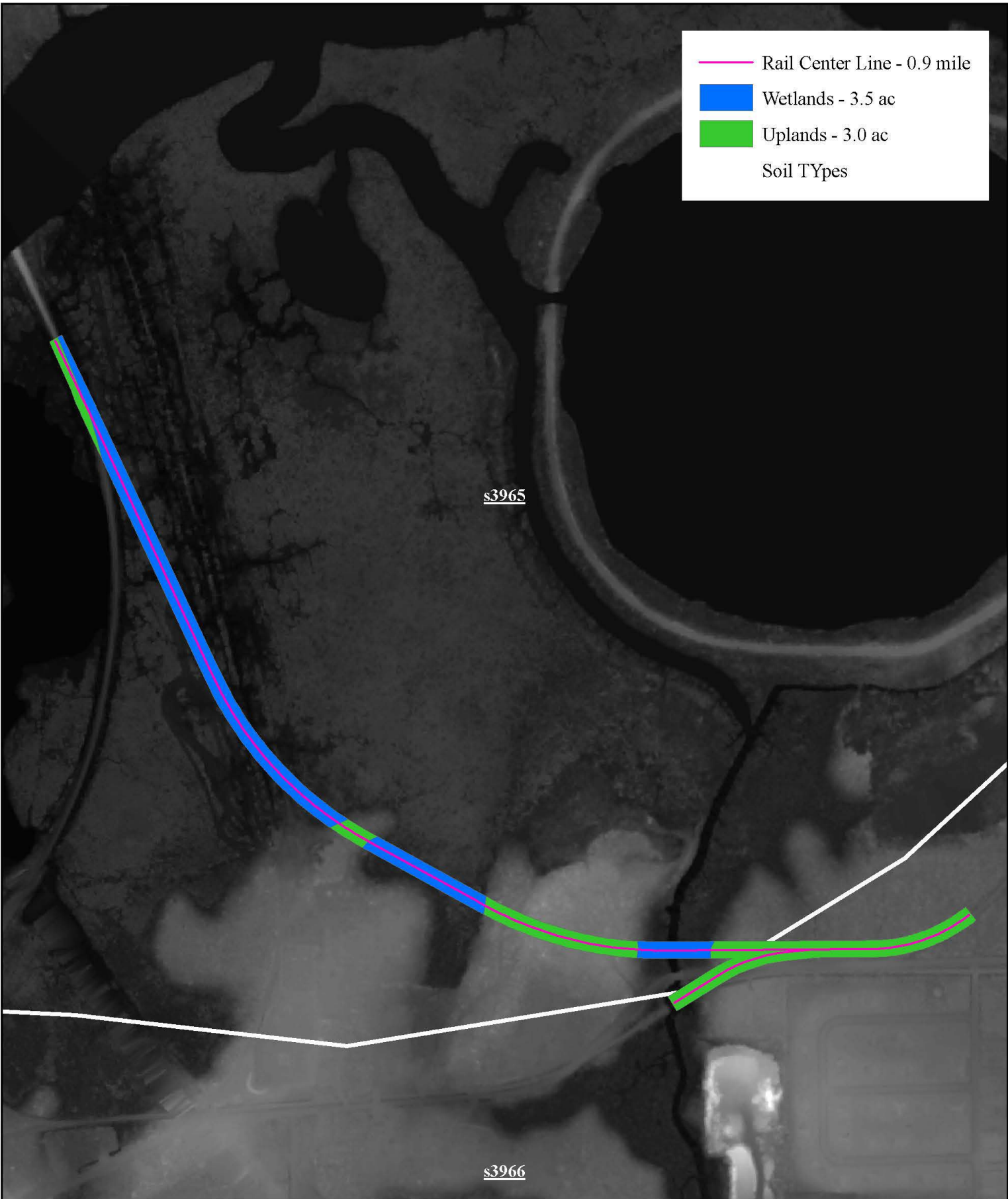
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-88.512122 30.414181 Decimal Degrees



-  Rail Center Line - 0.9 mile
-  Wetlands - 3.5 ac
-  Uplands - 3.0 ac
- Soil TTypes



Feet
1 inch = 450 feet

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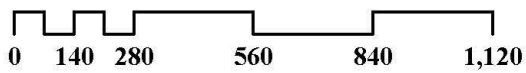
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