

PART I – Qualitative Description
(See Section 62-345.400, F.A.C.)

Site/Project Name Crystal River Borrow Pit		Application Number 912905		Assessment Area Name or Number Wetland H	
FLUCCs code 641		Further classification (optional) PEMC1		Impact or Mitigation Site? Impact	
				Assessment Area Size 1.90 ac.	
Basin/Watershed Name/Number Upper Coastal		Affected Waterbody (Class) Class 3		Special Classification (i.e.OFW, AP, other local/state/federal designation of importance) none	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Isolated marsh surrounded by xeric oak/pine forest.					
Assessment area description Isolated marsh. Mostly vegetated with small pockets of open water. Predominant groundcover is maidencane, chalky bluestem, and bloodroot. Saw palmetto along clearly defined edge with some wax myrtle ,salt bush and pines.					
Significant nearby features surrounded by large forested tract (xeric oaks and pines)			Uniqueness (considering the relative rarity in relation to the regional landscape.) common wetland type in this environment		
Functions Habitat for wading birds and herps. Water source for deer (tracks on shore). No surface discharge but does contribute to groundwater recharge.					
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading birds (e.g. great blue heron, wood stork, great egret). Herpetofauna (e.g. banded water snake, leopard frog). Mammals (e.g. raccoons, marsh rabbits).			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area) possible wood stork utilization but none observed		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.): whitetail deer, great blue heron, marsh rabbits, feral hogs					
Additional relevant factors: 					
Assessment conducted by: Clark Hull			Assessment date(s): 10/21/2024		

PART II – Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name Crystal River Borrow Pit	Application Number 912905	Assessment Area Name or Number Wetland H
Impact or Mitigation Impact or Mitigation	Assessment conducted by: Clark Hull	Assessment date: 10/22/2024

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate(7) Condition is less than optimal, but sufficient to maintain most wetland/surface waterfunctions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support w/o pres or current 9 with 0	Current condition: Small isolated wetland surrounded by upland forest for at least 1000 ft. in all directions. Surrounding uplands only minimally disturbed by a few jeep trails, limited feral hog damage, and cogon grass near the property boundary. With impact: Excavated lake
.500(7)(b)Water Environment (n/a for uplands) w/o pres or current 9 with 0	Current condition: Water quantity and quality appear near optimal for the wetland. Minor ditching/scraping along perimeter draining into wetland. Contributing area is forested and undeveloped except a few small dirt roads (jeep trails). Vegetation community composition and zonation are consistent with optimal water environment. With impact: Excavated lake
.500(7)(c)Community structure 1. Vegetation and/or 2. Benthic Community w/o pres or current 9 with 0	Current Condition: Vegetation community composition is appropriate and healthy. No exotics. Some evidence of feral hog disturbance. Recruitmant and age distribution appears normal. Hog disturbed areas regenerating with red root. With impact: Excavated lake

Score = sum of above scores/30 (if uplands, divide by 20)
current or w/o pres 0.9 with 0

If preservation as mitigation,
Preservation adjustment factor =
Adjusted mitigation delta =

For impact assessment areas
FL = delta x acres =0.90*1.9=1.71

delta = 0.90

If mitigation
Time lag (t-factor) =
Risk factor =

For mitigation assessment areas
RFG = delta/(t-factor x risk) =