Proposed Project Non Tidal Wetlands and Waters Impact Summary Table 26 Jan 2011 C/E

Wetland Type	Area of Impact	Impact Type
Forested Wetland	7.88 acres	Permanent Grading/Fill
Emergent Wetland	1.21 acres	Permanent Grading/Fill
Open Water	2.63 acres	Permanent Grading/Fill
Total Area of Permanent Impacts = 11.72 acres		

Proposed Stream Mitigation Summary Table 26 Jan 2011 C/E

Proposed Stream Impacts Total (Linear Feet)	Required Stream Mitigation Ratio	Required Linear Feet Stream Mitigation	Proposed Linear Feet Stream Mitigation Totals and Types	Surplus Stream Mitigation Totals (linear feet)
8,350	1:1 (Stream Restoration)	8,350	10,236 Stream Restoration	10,236 - 8,350 = **1,886** (Stream Restoration @ 1:1 ratio)
			930 Stream Preservation	**465** (Stream Preservation @ 1:2 ratio)
				1,886 + 465 = 2,351 linear feet **Total Surplus**

Proposed Non Tidal Wetland & Waters Impacts and Proposed Mitigation Summary Table 26 Jan 2011 C/E

Proposed Wetlands & Waters Impact Totals (type/acres)	Required Mitigation Ratio/Type	Required Wetland & Waters Mitigation (type/acres)	Proposed Wetland / Waters Mitigation Totals (type / acres)*	Surplus Wetland / Waters Mitigation Totals (acres) After Surplus Factored In
Forested / 7.88	1:2 / Forested Creation	Forested / 15.76 Acres	Forested Wetland Creation / **12.26 Acres*** (3.5 Acres Forested Wetland Creation - Deficit)	4.64 Acres Forested Wetlands Enhancement (surplus) minus 3.5 Acres of Required Created Forested Wetlands (deficit) = 1.14** Acre Surplus of Forested Wetlands Enhancement ****Note: 2.63 Acres of Open Water Impacts are being mitigated as forested mitigation and are included in the forested wetland creation and enhancement totals
			4.64 Acres Forested Wetland Enhancement @ 1:4 Ratio = **18.54 Acres*** (4.64 Acres Forested Wetland Enhancement –Surplus mitigation for forested wetland impacts)	
Emergent / 1.21	1:1 / Emergent Creation	Emergent / 1.21	Emergent Wetland Creation / **1.61Acres*** (.41 Acre Emergent Wetland Creation Surplus)	1.61 Acres Emergent Wetlands Created minus 1.21 Acres of Required Emergent Wetland Creation = 0.40**Acre Surplus of Emergent Wetland Creation 0.27** Acre Surplus Emergent Wetland Enhancement 0.40 + 0.27 = 0.67 ** Acre Surplus Emergent Wetland Creation/ Emergent Wetland Enhancement
			0.27 Acres Emergent Wetland Enhancement @ 1:4 Ratio = **1.08 Acres*** **(**0.27 Acres Emergent Wetland Enhancement Surplus (mitigation for emergent wetland impacts)	
Open Water / 2.63	0:1 / Open Water Creation	Open Water / 2.63	0.90 Acres Open Water Creation @ 0:1 Ratio = **0.90 Acres*** 2.63 Acres Open Water Creation required minus 0.90 created = 1.73 Acres Open Water (Deficit)	1.73 Acre Deficit of Required Open Water Creation ***
Total = 11.72 acres (all types)		**Total = 19.60 acres (all types)**	***Total = 34.39 acres (all types-*in bold*)** 34.39 minus 19.60 = 14.79 acres Total Proposed Wetland / Waters Mitigation Surplus	Forested Wetland Creation Surplus (1.14 acres) plus Emergent Wetland Enhancement Surplus (.67acres) = **1.81 Acres** Total Surpluses (Forested Wetland Creation and Emergent Wetland Enhancement)** ***Total Deficits = 1.73 Acres Open Water Creation** **** Note: 2.63 Acres of Open Water Impacts are being mitigated as forested mitigation and are included in the proposed forested wetland creation and enhancement totals.