

WAA Name: WE006
WAA Acres: 0.18
Location HUC: West Galveston Bay 12040204
Impact Type: Conversion from PFO to PEM

Pre-Project (Baseline)

SWG Riverine - Forested Interim HGM Model	
As Sampled On:	10/20/2018
Variable	Subindex
Vdur	0.25
Vfreq	0.50
Vtopo	0.10
Vcwd	0.30
Vwood	1.00
Vtree	0.30
Vrich	0.40
Vbasal	0.40
Vdensity	1.00
Vmid	1.00
Vherb	0.30
Vdetritus	1.00
Vredox	0.10
Vsorpt	1.00
Vconnect	0.75

Post Project

SWG Riverine - Forested Interim HGM Model	
As Sampled On:	Estimated
Variable	Subindex
Vdur	0.25
Vfreq	0.50
Vtopo	0.10
Vcwd	0.10
Vwood	0.10
Vtree	0.10
Vrich	0.10
Vbasal	0.10
Vdensity	0.10
Vmid	0.10
Vherb	0.30
Vdetritus	1.00
Vredox	0.10
Vsorpt	1.00
Vconnect	0.75

FCIs; (see formulas):	Pre-Project	Post-Project
Temporary Storage & Dentention of Storage Water (Physical):	0.406	0.188
Maintain Plant & Animal Communities (Biological):	0.517	0.225
Removal & Sequestrian of Elements & Compounds (Chemical):	0.583	0.330

FCUs; (FCI x acres per WAA):	Pre-Project	Post-Project
Physical:	0.07	0.03
Biological:	0.09	0.04
Chemical:	0.11	0.06

Change in FCUs = (Post-Project -Pre-Project):	
Physical	-0.04
Biological	-0.05
Chemical	-0.05

