

# WETLAND VALUE ASSESSMENT COMMUNITY MODEL

## Fresh/Intermediate Marsh

Project..... Clear Marais/GIWW Shoreline Protection  
(PCS-27)

Marsh type acres:  
Fresh..... 4637  
Intermediate..

Condition: Future Without Project

Variable		TY 0		TY 1		TY 10	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	44	0.50	44	0.50	28	0.35
V2	% Aquatic	100	1.00	100	1.00	10	0.19
V3	Interspersion	%	0.60	%	0.60	%	0.30
	Class 1						
	Class 2	100		100			
	Class 3					50	
	Class 4					50	
V4	Hydrology	%	1.00	%	1.00	%	1.00
	Class 1						
	Class 2						
	Class 3	100		100		100	
V5	%OW <= 1.5ft	75	0.85	75	0.85	50	0.60
V6	Salinity (ppt)		1.00		1.00		0.60
	fresh	0		0			
	intermediate					6	
V7	Access Value	0.00	0.30	0.00	0.30	1.00	1.00
		HSI = 0.67		HSI = 0.67		HSI = 0.42	

Project..... Clear Marais/GIWW Shoreline Protection  
FWOP

Variable		TY 20		Value	SI	Value	SI
		Value	SI				
V1	% Emergent	22	0.30				
V2	% Aquatic	10	0.19				
V3	Interspersion	%	0.25	%		%	
	Class 1						
	Class 2						
	Class 3	25					
	Class 4	75					
V4	Hydrology	%	1.00	%		%	
	Class 1						
	Class 2						
	Class 3	100					
V5	%OW <= 1.5ft	30	0.40				
V6	Salinity (ppt)		0.60				
	fresh						
	intermediate	6					
V7	Access Value	1.00	1.00				
		HSI = 0.38		HSI =		HSI =	

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 Intermediate..

Variable		TY 0		TY 1		TY 10	
		Value	SI	Value	SI	Value	SI
V1	% Emergent	44	0.50	44	0.50	45	0.51
V2	% Aquatic	100	1.00	100	1.00	100	1.00
V3	Interspersion Class 1 Class 2 Class 3 Class 4 Class 5	% 100	0.60	% 100	0.60	% 100	0.60
V4	Hydrology Class 1 Class 2 Class 3 Class 4	% 100	1.00	% 100	1.00	% 100	1.00
V5	%OW <= 1.5ft	75	0.85	75	0.85	75	0.85
V6	Salinity (ppt) fresh intermediate	0	1.00	0	1.00	0	1.00
V7	Access Value	0.00	0.30	0.00	0.30	0.00	0.30
		HSI = 0.67		HSI = 0.67		HSI = 0.68	

Project..... Clear Marais/GIWW Shoreline Protection  
 FWP

Variable		TY 20		Value	SI	Value	SI
		Value	SI				
V1	% Emergent	45	0.51				
V2	% Aquatic	100	1.00				
V3	Interspersion Class 1 Class 2 Class 3 Class 4 Class 5	% 100	0.60			%	
V4	Hydrology Class 1 Class 2 Class 3 Class 4	% 100	1.00			%	
V5	%OW <= 1.5ft	75	0.85				
V6	Salinity (ppt) fresh intermediate	0	1.00				
V7	Access Value	0.00	0.30				
		HSI = 0.68		HSI =		HSI =	

# AAHU CALCULATION

Project: Clear Marais/GIWW Shoreline Protection  
(PCS-27)

Future With Project			Total HU's	Cummulative HU's
TY	Acres	x HSI		
0	4637	0.67	3114.23	
1	4637	0.67	3114.23	3114.23
10	4637	0.68	3131.08	28103.88
20	4637	0.68	3131.08	31310.76

AAHU's = 3126.44

Future Without Project			Total HU's	Cummulative HU's
TY	Acres	x HSI		
0	4637	0.67	3114.23	
1	4637	0.67	3114.23	3114.23
10	4637	0.42	1946.67	22774.07
20	4637	0.38	1746.09	18463.84

AAHU's 2217.61

NET CHANGE IN AAHU'S DUE TO PROJECT	
A. Future With Project AAHU's =	3126.44
B. Future Without Project AAHU's =	2217.61
Net Change (FWP - FWOP) =	908.84