

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 1

Project Area..... 6,032 acres

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Class/Value	SI	Class/Value	SI	Class/Value	SI
V1	Stand Structure	% Cover Overstory		% Cover Overstory		% Cover Overstory	
		Scrub-shrub		Scrub-shrub		Scrub-shrub	
		Herbaceous		Herbaceous		Herbaceous	
		Class 3	0.40	Class 3	0.40	Class 3	0.40
V2	Stand Maturity	Cypress % 44		Cypress % 44		Cypress % 72	
		Cypress dbh 14.57		Cypress dbh 14.57		Cypress dbh 15.97	
		Tupelo et al. % 56		Tupelo et al. % 56		Tupelo et al. % 28	
		Tupelo et al dbh 12.38	0.96	Tupelo et al dbh 12.38	0.96	Tupelo et al dbh 13.74	1.00
		Basal Area 214	0.96	Basal Area 214	0.96	Basal Area 198	1.00
V3	Water Regime	Flow/Exchange Low		Flow/Exchange Low		Flow/Exchange Low	
		Flooding Duration Semi-Permanent	0.45	Flooding Duration Semi-Permanent	0.45	Flooding Duration Permanent	0.30
V4	Mean High Salinity	1.4	0.82	1.4	0.82	1.4	0.82
		HSI =	0.57	HSI =	0.57	HSI =	0.51

0.90519 0.9052 0.999

1 1 1

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

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Project... Maurepas Diversion, Subarea 1

Project Area..... 6,032 acres

Condition: Future With Project

Variable		TY 0		TY 1		TY	
		Class/Value	SI	Class/Value	SI	Class/Value	SI
V1	Stand Structure	% Cover		% Cover		% Cover	
		Overstory		Overstory		Overstory	
		Scrub-shrub		Scrub-shrub		Scrub-shrub	
		Herbaceous		Herbaceous		Herbaceous	
		Class		Class		Class	
		3	0.40	3	0.40	6	1.00
V2	Stand Maturity	Cypress %		Cypress %		Cypress %	
		44		44		44	
		Cypress dbh		Cypress dbh		Cypress dbh	
		14.57		14.57		17.37	
		Tupelo et al. %		Tupelo et al. %		Tupelo et al. %	
		56		56		56	
		Tupelo et al dbh		Tupelo et al dbh		Tupelo et al dbh	
		12.38	0.96	12.38	0.96	15.11	1.00
		Basal Area		Basal Area		Basal Area	
		214	0.96	214	0.96	312	1.00
V3	Water Regime	Flow/Exchange		Flow/Exchange		Flow/Exchange	
		Low		High		High	
		Flooding Duration		Flooding Duration		Flooding Duration	
		Semi-Permanent	0.45	Semi-Permanent	0.75	Semi-Permanent	0.75
V4	Mean High Salinity						
		1.4	0.82	0.0	1	0.0	1
		HSI =	0.57	HSI =	0.69	HSI =	0.92

0.90519 0.9052 1
1 1 1

AAHU CALCULATION

Project: Maurepas Diversion, Subarea 1

Future Without Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	6032	0.57	3463.29	
1	6032	0.57	3463.29	3463.29
20	6032	0.51	3098.91	62340.88
			Total	
			CHUs =	65804.16
			AAHUs =	3290.21

Future With Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	6032	0.57	3463.29	
1	6032	0.69	4158.83	3811.06
20	6032	0.92	5533.24	92074.69
			Total	
			CHUs =	95885.75
			AAHUs =	4794.29

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project AAHUs =	4794.29
B. Future Without Project AAHUs =	3290.21
Net Change (FWP - FWOP) =	1504.08

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 2A

Project Area..... 8,048 acres

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20				
		Class/Value	SI	Class/Value	SI	Class/Value	SI			
V1	Stand Structure	% Cover Overstory		% Cover Overstory		% Cover Overstory				
		Scrub-shrub		Scrub-shrub		Scrub-shrub				
		Herbaceous		Herbaceous		Herbaceous				
		Class 3	0.40	Class 3	0.40	Class 1	0.10			
V2	Stand Maturity	Cypress % 29		Cypress % 29		Cypress % 64.5		0.564	0.564	0.796
		Cypress dbh 10.76		Cypress dbh 10.76		Cypress dbh 12.96				
		Tupelo et al. % 71		Tupelo et al. % 71		Tupelo et al. % 35.5				
		Tupelo et al dbh 9.88	0.72	Tupelo et al dbh 9.88	0.72	Tupelo et al dbh 11.48	0.85	0.788	0.788	0.948
		Basal Area 114	0.43	Basal Area 114	0.43	Basal Area 104	0.51			
V3	Water Regime	Flow/Exchange Low		Flow/Exchange Low		Flow/Exchange Low				
		Flooding Duration Semi-Permanent	0.45	Flooding Duration Semi-Permanent	0.45	Flooding Duration Permanent	0.30			
V4	Mean High Salinity	1.4	0.82	1.4	0.82	1.4	0.82			
		HSI =	0.47	HSI =	0.47	HSI =	0.29			

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 2A

Project Area.....

8,048 acres

Condition: Future With Project

Variable		TY 0		TY 1		TY	
		Class/Value	SI	Class/Value	SI	Class/Value	SI
V1	Stand Structure	% Cover		% Cover		% Cover	
		Overstory		Overstory		Overstory	
		Scrub-shrub		Scrub-shrub		Scrub-shrub	
		Herbaceous		Herbaceous		Herbaceous	
		Class		Class		Class	
		3	0.40	3	0.40	5	0.80
V2	Stand Maturity	Cypress %		Cypress %		Cypress %	
		29		29		29	
		Cypress dbh		Cypress dbh		Cypress dbh	
		10.76		10.76		14.5	0.564
		Tupelo et al. %		Tupelo et al. %		Tupelo et al. %	0.564
		71		71		71	0.9005
		Tupelo et al dbh		Tupelo et al dbh		Tupelo et al dbh	
		9.88	0.72	9.88	0.72	12.6	0.97
		Basal Area		Basal Area		Basal Area	
		114	0.43	114	0.43	191	0.97
V3	Water Regime	Flow/Exchange		Flow/Exchange		Flow/Exchange	
		Low		High		High	
		Flooding Duration		Flooding Duration		Flooding Duration	
		Semi-Permanent	0.45	Semi-Permanent	0.75	Semi-Permanent	0.75
V4	Mean High Salinity		1.4		0.0		0.0
			0.82		1		1
		HSI =	0.47	HSI =	0.57	HSI =	0.85

AAHU CALCULATION

Project: Maurepas Diversion, Subarea 2A

Future Without Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	8048	0.47	3790.27	
1	8048	0.47	3790.27	3790.27
20	8048	0.29	2305.60	57910.76
Total			CHUs =	61701.03
			AAHUs =	3085.05

Future With Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	8048	0.47	3790.27	
1	8048	0.57	4551.48	4170.88
20	8048	0.85	6854.16	108353.61
Total			CHUs =	112524.48
			AAHUs =	5626.22

NET CHANGE IN AAHUs DUE TO PROJECT		
A. Future With Project AAHUs =		5626.22
B. Future Without Project AAHUs =		3085.05
Net Change (FWP - FWOP) =		2541.17

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 2B

Project Area..... 4,181 acres

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Class/Value	SI	Class/Value	SI	Class/Value	SI
V1	Stand Structure	% Cover Overstory		% Cover Overstory		% Cover Overstory	
		Scrub-shrub		Scrub-shrub		Scrub-shrub	
		Herbaceous		Herbaceous		Herbaceous	
		Class 3	0.40	Class 3	0.40	Class 1	0.10
V2	Stand Maturity	Cypress % 48		Cypress % 48		Cypress % 74	
		Cypress dbh 8.73		Cypress dbh 8.73		Cypress dbh 9.93	
		Tupelo et al. % 52		Tupelo et al. % 52		Tupelo et al. % 26	
		Tupelo et al dbh 10.01	0.55	Tupelo et al dbh 10.01	0.55	Tupelo et al dbh 11.21	0.53
		Basal Area 103	0.33	Basal Area 103	0.33	Basal Area 94	0.32
V3	Water Regime	Flow/Exchange Low		Flow/Exchange Low		Flow/Exchange Low	
		Flooding Duration Semi-Permanent	0.45	Flooding Duration Semi-Permanent	0.45	Flooding Duration Permanent	0.30
V4	Mean High Salinity	1.5	0.775	1.5	0.775	1.5	0.775
		HSI = 0.44		HSI = 0.44		HSI = 0.25	

0.273 0.273 0.393

0.801 0.801 0.921

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 2B

Project Area..... 4,181 acres

Condition: Future With Project

Variable		TY 0		TY 1		TY	
		Class/Value	SI	Class/Value	SI	Class/Value	SI
V1	Stand Structure	% Cover Overstory		% Cover Overstory		% Cover Overstory	
		Scrub-shrub		Scrub-shrub		Scrub-shrub	
		Herbaceous		Herbaceous		Herbaceous	
		Class 3	0.40	Class 3	0.40	Class 5	0.80
V2	Stand Maturity	Cypress % 48		Cypress % 48		Cypress % 48	
		Cypress dbh 8.73		Cypress dbh 8.73		Cypress dbh 10.77	0.273 0.273 0.477
		Tupelo et al. % 52		Tupelo et al. % 52		Tupelo et al. % 52	
		Tupelo et al dbh 10.01	0.55	Tupelo et al dbh 10.01	0.55	Tupelo et al dbh 11.37	0.801 0.801 0.937
		Basal Area 103	0.33	Basal Area 103	0.33	Basal Area 143	0.57
V3	Water Regime	Flow/Exchange Low		Flow/Exchange Moderate		Flow/Exchange Moderate	
		Flooding Duration Semi-Permanent	0.45	Flooding Duration Semi-Permanent	0.65	Flooding Duration Semi-Permanent	0.65
V4	Mean High Salinity	1.5	0.775	0.5	1	0.5	1
		HSI =	0.44	HSI =	0.51	HSI =	0.72

AAHU CALCULATION

Project: Maurepas Diversion, Subarea 2B

Future Without Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	4181	0.44	1821.39	
1	4181	0.44	1821.39	1821.39
20	4181	0.25	1055.54	27330.86

Total	
CHUs =	29152.25
AAHUs =	1457.61

Future With Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	4181	0.44	1821.39	
1	4181	0.51	2113.09	1967.24
20	4181	0.72	2989.59	48475.50

Total	
CHUs =	50442.74
AAHUs =	2522.14

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project AAHUs =	2522.14
B. Future Without Project AAHUs =	1457.61
Net Change (FWP - FWOP) =	1064.52

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 3A

Project Area..... 5,406 acres

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Class/Value	SI	Class/Value	SI	Class/Value	SI
V1	Stand Structure	% Cover Overstory		% Cover Overstory		% Cover Overstory	
		Scrub-shrub		Scrub-shrub		Scrub-shrub	
		Herbaceous		Herbaceous		Herbaceous	
		Class 3	0.40	Class 3	0.40	Class 1	0.10
V2	Stand Maturity	Cypress %		Cypress %		Cypress %	
		29		29		64.5	
		Cypress dbh		Cypress dbh		Cypress dbh	
		10.76		10.76		12.96	
		Tupelo et al. %		Tupelo et al. %		Tupelo et al. %	
		71		71		35.5	
Tupelo et al dbh		Tupelo et al dbh		Tupelo et al dbh			
9.88	0.72	9.88	0.72	11.48	0.85		
Basal Area		Basal Area		Basal Area			
114	0.43	114	0.43	104	0.51		
V3	Water Regime	Flow/Exchange Low		Flow/Exchange Low		Flow/Exchange Low	
		Flooding Duration Semi-Permanent	0.45	Flooding Duration Semi-Permanent	0.45	Flooding Duration Permanent	0.30
V4	Mean High Salinity		1.4		1.4		1.4
			0.82		0.82		0.82
		HSI =	0.47	HSI =	0.47	HSI =	0.29

0.564 0.564 0.796

0.788 0.788 0.948

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 3A

Project Area..... 5,406 acres

Condition: Future With Project

Variable		TY 0		TY 1		TY	
		Class/Value	SI	Class/Value	SI	Class/Value	SI
V1	Stand Structure	% Cover		% Cover		% Cover	
		Overstory		Overstory		Overstory	
		Scrub-shrub		Scrub-shrub		Scrub-shrub	
		Herbaceous		Herbaceous		Herbaceous	
		Class		Class		Class	
		3	0.40	3	0.40	4	0.60
V2	Stand Maturity	Cypress %		Cypress %		Cypress %	
		29		29		29	
		Cypress dbh		Cypress dbh		Cypress dbh	
		10.76		10.76		13.62	
		Tupelo et al. %		Tupelo et al. %		Tupelo et al. %	
		71		71		71	
		Tupelo et al dbh		Tupelo et al dbh		Tupelo et al dbh	
		9.88	0.72	9.88	0.72	12.05	0.95
		Basal Area		Basal Area		Basal Area	
		114	0.43	114	0.43	183	0.95
V3	Water Regime	Flow/Exchange		Flow/Exchange		Flow/Exchange	
		Low		Moderate		Moderate	
		Flooding Duration		Flooding Duration		Flooding Duration	
		Semi-Permanent	0.45	Semi-Permanent	0.65	Semi-Permanent	0.65
V4	Mean High Salinity		1.4	0.82	0.25	1	0.25
		HSI =	0.47	HSI =	0.54	HSI =	0.75

0.564 0.564 0.8415

0.788 0.788 1

AAHU CALCULATION

Project: Maurepas Diversion, Subarea 3A

Future Without Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	5406	0.47	2546.00	
1	5406	0.47	2546.00	2546.00
20	5406	0.29	1548.72	38899.80
			Total CHUs =	41445.80
			AAHUs =	2072.29

Future With Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	5406	0.47	2546.00	
1	5406	0.54	2928.85	2737.42
20	5406	0.75	4027.98	66089.89
			Total CHUs =	68827.31
			AAHUs =	3441.37

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project AAHUs =	3441.37
B. Future Without Project AAHUs =	2072.29
Net Change (FWP - FWOP) =	1369.08

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 3B

Project Area..... 8,470 acres

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Class/Value	SI	Class/Value	SI	Class/Value	SI
V1	Stand Structure	% Cover		% Cover		% Cover	
		Overstory		Overstory		Overstory	
		Scrub-shrub		Scrub-shrub		Scrub-shrub	
		Herbaceous		Herbaceous		Herbaceous	
	Class		Class		Class		
	3	0.40	3	0.40	1	0.10	
V2	Stand Maturity	Cypress %		Cypress %		Cypress %	
		48		48		74	
		Cypress dbh		Cypress dbh		Cypress dbh	
		8.73		8.73		9.93	
		Tupelo et al. %		Tupelo et al. %		Tupelo et al. %	
		52		52		26	
		Tupelo et al dbh		Tupelo et al dbh		Tupelo et al dbh	
10.01	0.55	10.01	0.55	10.81	0.52		
	Basal Area		Basal Area		Basal Area		
	103	0.33	103	0.33	92	0.31	
V3	Water Regime	Flow/Exchange		Flow/Exchange		Flow/Exchange	
		Low		Low		Low	
		Flooding Duration		Flooding Duration		Flooding Duration	
	Semi-Permanent	0.45	Semi-Permanent	0.45	Permanent	0.30	
V4	Mean High Salinity		1.5		1.5		1.5
			0.775		0.775		0.775
		HSI = 0.44		HSI = 0.44		HSI = 0.25	

0.273 0.273 0.393

0.801 0.801 0.881

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 3B

Project Area..... 8,470 acres

Condition: Future With Project

Variable		TY 0		TY 1		TY	
		Class/Value	SI	Class/Value	SI	Class/Value	SI
V1	Stand Structure	% Cover		% Cover		% Cover	
		Overstory		Overstory		Overstory	
		Scrub-shrub		Scrub-shrub		Scrub-shrub	
		Herbaceous		Herbaceous		Herbaceous	
		Class		Class		Class	
		3	0.40	3	0.40	4	0.60
V2	Stand Maturity	Cypress %		Cypress %		Cypress %	
		48		48		48	
		Cypress dbh		Cypress dbh		Cypress dbh	
		8.73		8.73		10.29	
		Tupelo et al. %		Tupelo et al. %		Tupelo et al. %	
		52		52		52	
		Tupelo et al dbh		Tupelo et al dbh		Tupelo et al dbh	
10.01	0.55	10.01	0.55	11.05	0.68		
Basal Area		Basal Area		Basal Area			
103	0.33	103	0.33	133	0.54		
V3	Water Regime	Flow/Exchange		Flow/Exchange		Flow/Exchange	
		Low		Moderate		Moderate	
		Flooding Duration		Flooding Duration		Flooding Duration	
		Semi-Permanent	0.45	Semi-Permanent	0.65	Semi-Permanent	0.65
V4	Mean High Salinity		1.5		0.775		0.75
					1		1
		HSI =	0.44	HSI =	0.51	HSI =	0.65

0.273 0.273 0.429

0.801 0.801 0.905

AAHU CALCULATION

Project: Maurepas Diversion, Subarea 3B

Future Without Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	8470	0.44	3689.83	
1	8470	0.44	3689.83	3689.83
20	8470	0.25	2127.79	55267.37
			Total	
			CHUs =	58957.20
			AAHUs =	2947.86

Future With Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	8470	0.44	3689.83	
1	8470	0.51	4280.76	3995.30
20	8470	0.65	5477.03	92699.07
			Total	
			CHUs =	96684.37
			AAHUs =	4834.22

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project AAHUs =	4834.22
B. Future Without Project AAHUs =	2947.86
Net Change (FWP - FWOP) =	1886.36

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 4A

Project Area.....

880 acres

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20				
		Class/Value	SI	Class/Value	SI	Class/Value	SI			
V1	Stand Structure	% Cover Overstory		% Cover Overstory		% Cover Overstory				
		Scrub-shrub		Scrub-shrub		Scrub-shrub				
		Herbaceous		Herbaceous		Herbaceous				
		Class 3	0.40	Class 3	0.40	Class 1	0.10			
V2	Stand Maturity	Cypress % 48		Cypress % 48		Cypress % 74				
		Cypress dbh 8.73		Cypress dbh 8.73		Cypress dbh 9.93		0.273	0.273	0.393
		Tupelo et al. % 52		Tupelo et al. % 52		Tupelo et al. % 26				
		Tupelo et al dbh 10.01	0.55	Tupelo et al dbh 10.01	0.55	Tupelo et al dbh 10.81	0.52	0.801	0.801	0.861
		Basal Area 103	0.33	Basal Area 103	0.33	Basal Area 92	0.31			
V3	Water Regime	Flow/Exchange Low		Flow/Exchange Low		Flow/Exchange Low				
		Flooding Duration Semi-Permanent	0.45	Flooding Duration Semi-Permanent	0.45	Flooding Duration Permanent	0.30			
V4	Mean High Salinity	1.5	0.775	1.5	0.775	1.5	0.775			
		HSI =	0.44	HSI =	0.44	HSI =	0.25			

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 4A

Project Area.....

880 acres

Condition: Future With Project

Variable		TY 0		TY 1		TY						
		Class/Value	SI	Class/Value	SI	Class/Value	SI					
V1	Stand Structure	% Cover		% Cover		% Cover						
		Overstory		Overstory		Overstory						
		Scrub-shrub		Scrub-shrub		Scrub-shrub						
		Herbaceous		Herbaceous		Herbaceous						
		Class		Class		Class						
		3	0.40	3	0.40	3	0.40					
V2	Stand Maturity	Cypress %		Cypress %		Cypress %						
		48		48		61						
		Cypress dbh		Cypress dbh		Cypress dbh						
		8.73		8.73		9.93				0.273	0.273	0.393
		Tupelo et al. %		Tupelo et al. %		Tupelo et al. %						
		52		52		39						
		Tupelo et al dbh		Tupelo et al dbh		Tupelo et al dbh						
		10.01	0.55	10.01	0.55	10.81	0.58			0.801	0.801	0.881
		Basal Area		Basal Area		Basal Area						
		103	0.33	103	0.33	109	0.35					
V3	Water Regime	Flow/Exchange		Flow/Exchange		Flow/Exchange						
		Low		Low		Low						
		Flooding Duration		Flooding Duration		Flooding Duration						
		Semi-Permanent	0.45	Semi-Permanent	0.45	Permanent	0.30					
V4	Mean High Salinity		1.5	0.775		1.0	1		1.0	1		
		HSI =	0.44	HSI =	0.45	HSI =	0.41					

AAHU CALCULATION

Project: Maurepas Diversion, Subarea 4A

Future Without Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	880	0.44	383.36	
1	880	0.44	383.36	383.36
20	880	0.25	221.07	5742.06
Total			CHUs =	6125.42
			AAHUs =	306.27

Future With Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	880	0.44	383.36	
1	880	0.45	396.30	390.83
20	880	0.41	358.30	7187.74
Total			CHUs =	7578.57
			AAHUs =	378.93

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project AAHUs =	378.93
B. Future Without Project AAHUs =	306.27
Net Change (FWP - FWOP) =	72.66

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 4B

Project Area..... 3,104 acres

Condition: Future Without Project

Variable		TY 0		TY 1		TY 20	
		Class/Value	SI	Class/Value	SI	Class/Value	SI
V1	Stand Structure	% Cover Overstory Scrub-shrub Herbaceous Class 1	0.10	% Cover Overstory Scrub-shrub Herbaceous Class 1	0.10	% Cover Overstory Scrub-shrub Herbaceous Class 1	0.10
V2	Stand Maturity	Cypress % 81 Cypress dbh 7.23 Tupelo et al. % 19 Tupelo et al dbh 9.44 Basal Area 41	0.24 0.10	Cypress % 81 Cypress dbh 7.23 Tupelo et al. % 19 Tupelo et al dbh 9.44 Basal Area 41	0.24 0.10	Cypress % 100 Cypress dbh 8.63 Tupelo et al. % 0 Tupelo et al dbh 10.44 Basal Area 45	0.26 0.11
V3	Water Regime	Flow/Exchange Moderate Flooding Duration Semi-Permanent	0.65	Flow/Exchange Moderate Flooding Duration Semi-Permanent	0.65	Flow/Exchange Moderate Flooding Duration Permanent	0.45
V4	Mean High Salinity	1.8	0.64	1.8	0.64	1.8	0.64
		HSI =	0.23	HSI =	0.23	HSI =	0.21

0.123 0.123 0.263

0.744 0.744 0.844

WETLAND VALUE ASSESSMENT COMMUNITY MODEL

Swamp

Project... Maurepas Diversion, Subarea 4B

Project Area..... 3,104 acres

Condition: Future With Project

Variable		TY 0		TY 1		TY	
		Class/Value	SI	Class/Value	SI	Class/Value	SI
V1	Stand Structure	% Cover Overstory		% Cover Overstory		% Cover Overstory	
		Scrub-shrub		Scrub-shrub		Scrub-shrub	
		Herbaceous		Herbaceous		Herbaceous	
		Class 1	0.10	Class 1	0.10	Class 1	0.10
V2	Stand Maturity	Cypress % 81		Cypress % 81		Cypress % 86	
		Cypress dbh 7.23		Cypress dbh 7.23		Cypress dbh 8.63	0.123 0.123 0.263
		Tupelo et al. % 19		Tupelo et al. % 19		Tupelo et al. % 14	
		Tupelo et al dbh 9.44	0.24	Tupelo et al dbh 9.44	0.24	Tupelo et al dbh 10.44	0.744 0.744 0.844
		Basal Area 41	0.10	Basal Area 41	0.10	Basal Area 53	0.14
V3	Water Regime	Flow/Exchange Moderate		Flow/Exchange Moderate		Flow/Exchange Moderate	
		Flooding Duration Semi-Permanent	0.65	Flooding Duration Semi-Permanent	0.65	Flooding Duration Permanent	0.45
V4	Mean High Salinity	1.8	0.64	1.4	0.82	1.4	0.82
		HSI =	0.23	HSI =	0.24	HSI =	0.23

AAHU CALCULATION

Project: Maurepas Diversion, Subarea 4B

Future Without Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	3104	0.23	712.42	
1	3104	0.23	712.42	712.42
20	3104	0.21	652.10	12962.99
Total			CHUs =	13675.41
			AAHUs =	683.77

Future With Project			Total HUs	Cummulative HUs
TY	Acres	x HSI		
0	3104	0.23	712.42	
1	3104	0.24	739.41	725.91
20	3104	0.23	723.97	13902.05
Total			CHUs =	14627.96
			AAHUs =	731.40

NET CHANGE IN AAHUs DUE TO PROJECT	
A. Future With Project AAHUs =	731.40
B. Future Without Project AAHUs =	683.77
Net Change (FWP - FWOP) =	47.63

