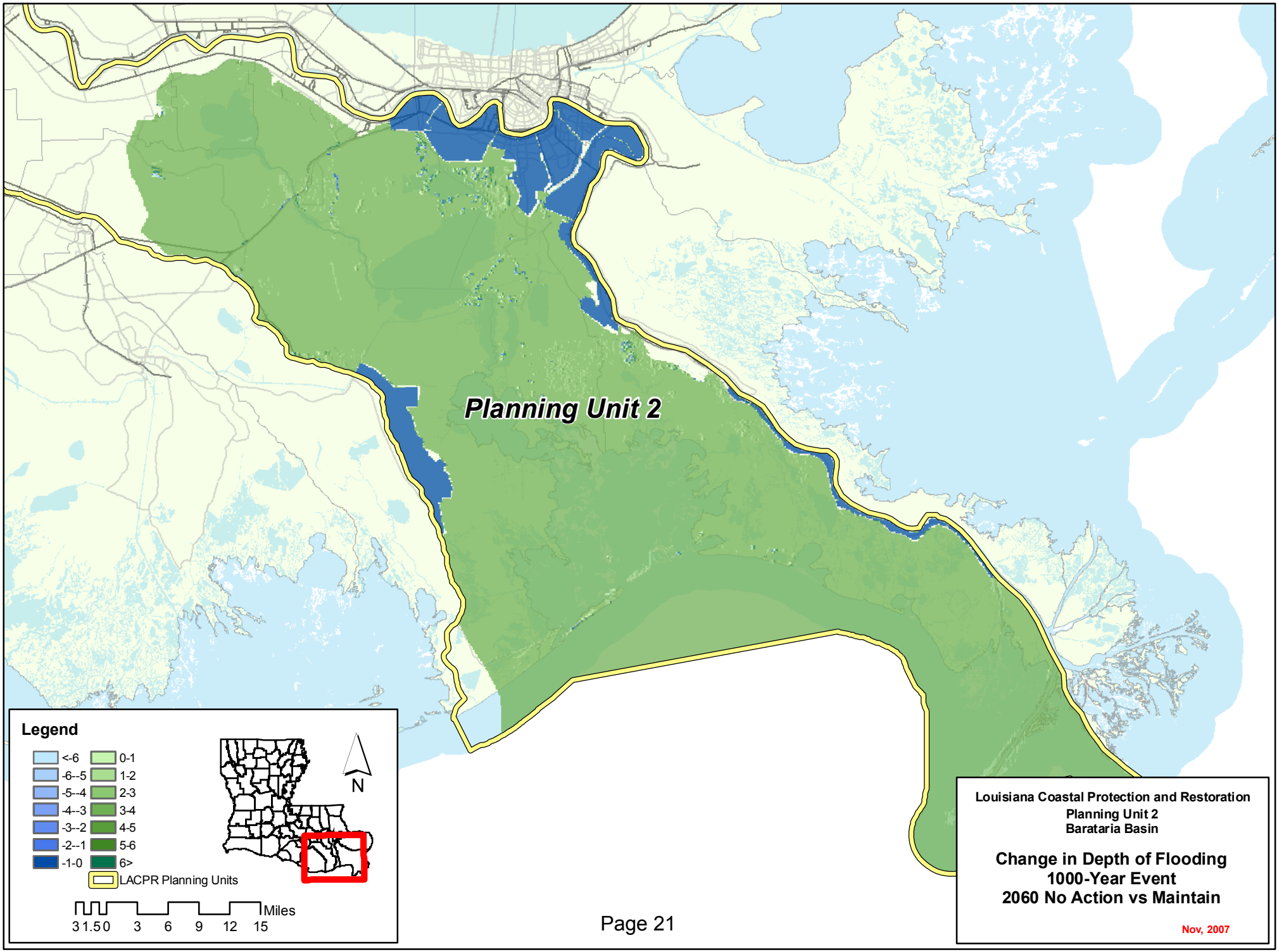
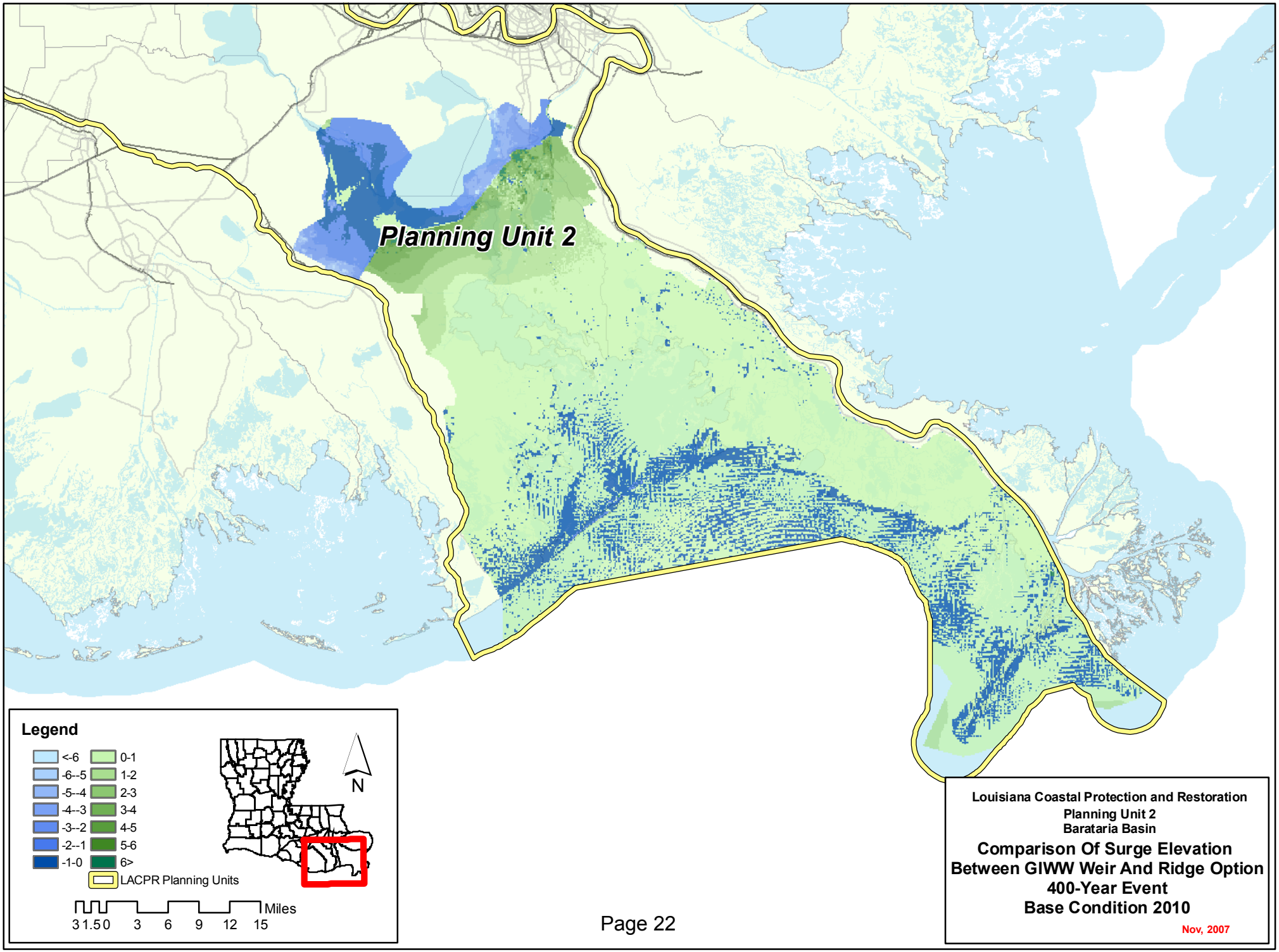

Planning Unit 2
Legend
<-6
-6--5
-5--4
-4--3
-3--2
-2--1
-1-0
0-1
1-2
2-3
3-4
4-5
5-6
6>
LACPR Planning Units
N
Miles
3 1.5 0 3 6 9 12 15
Louisiana Coastal Protection and Restoration
Planning Unit 2
Barataria Basin
Change in Depth of Flooding
1000-Year Event
2060 No Action vs Maintain
Nov, 2007


Planning Unit 2
Legend
<-6
-6--5
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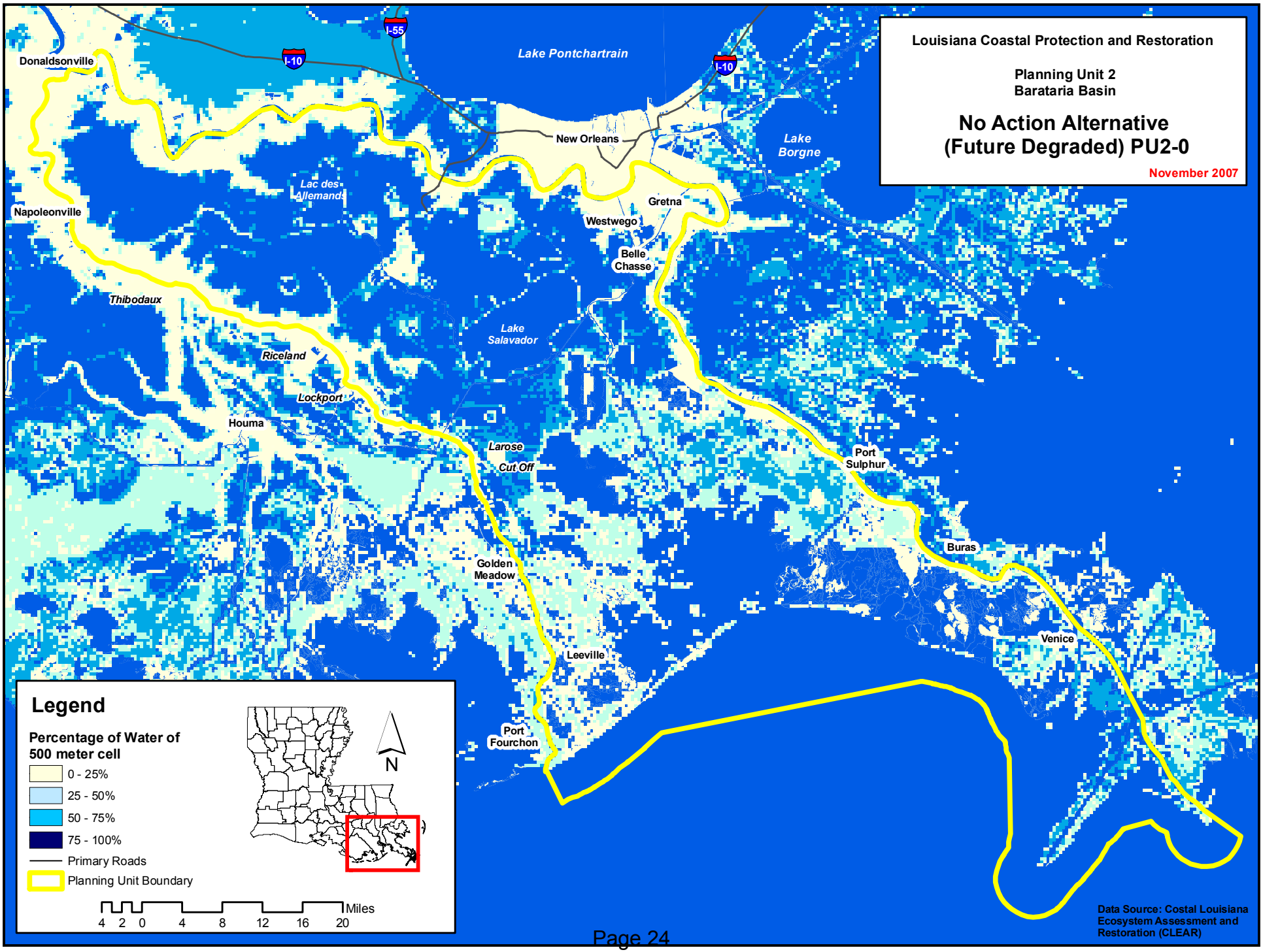
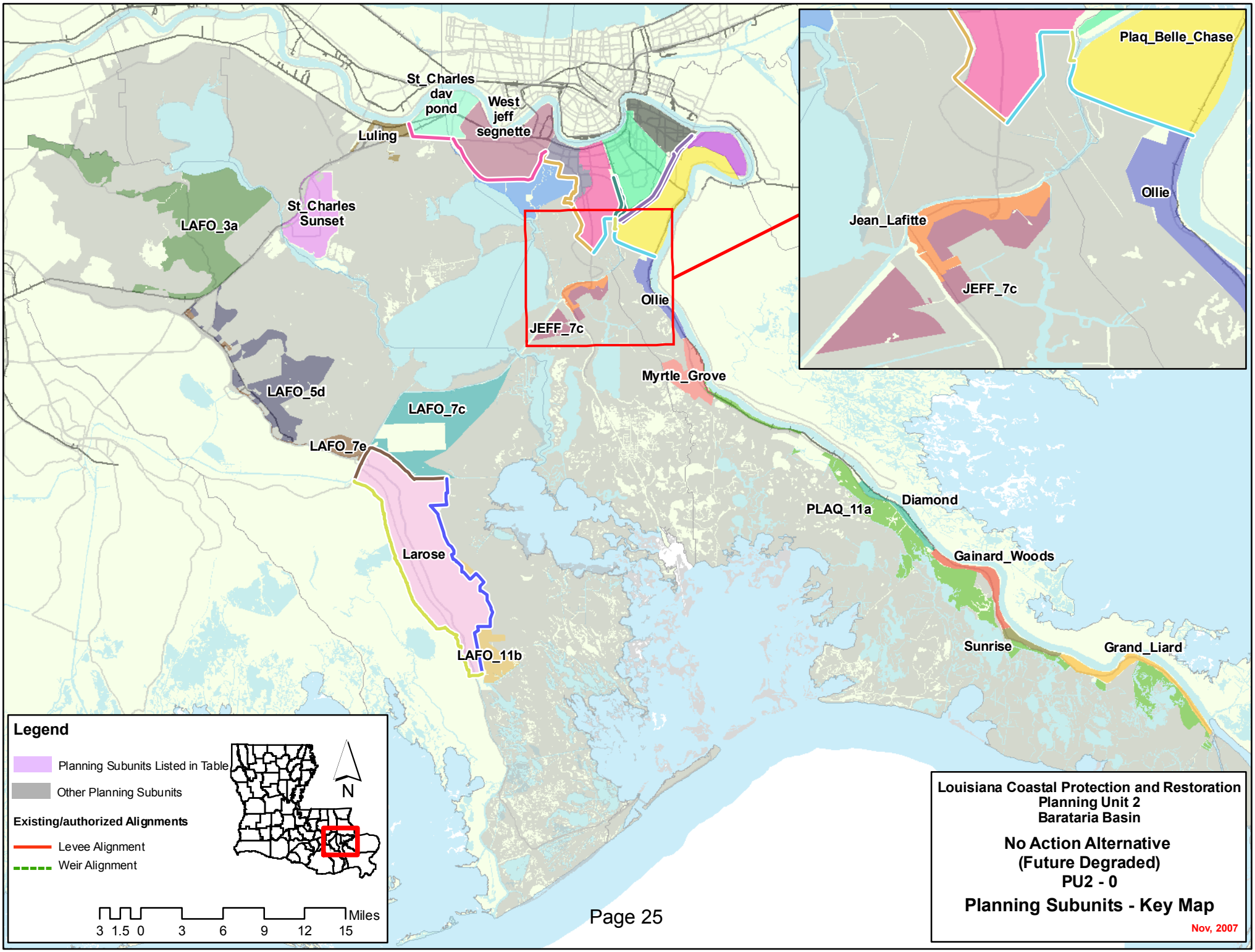
-4--3
-3--2
-2--1
-1-0
0-1
1-2
2-3
3-4
4-5
5-6
6>
LACPR Planning Units
N
Miles
3 1.5 0 3 6 9 12 15
Louisiana Coastal Protection and Restoration
Planning Unit 2
Barataria Basin
Comparison Of Surge Elevation
Between GIWW Weir And Ridge Option
400-Year Event
Base Condition 2010
Nov, 2007

Planning Unit:	2	**Alt. No.**	PU2-0	**Category**	No Action
Alternative Description:	No action (without project) alternative.				
Coastal Component:	Degraded coast--increasing risk			**Nonstructural Component:**	None
Structural Component:	No new levees or increases in risk reduction level to existing levees.				

		Metric Results by Scenario with Uncertainty Bands								
		Life-cycle Cost	Resident Population Impacted	Residual Damages	Gross Regional Output Impacted	Employment Impacted	People's Earned Income Impacted	Archeo. Sites Protected	Historic Properties Protected	Historic Districts Protected
		$ Billions	Ann. Equiv. #	Ann. Equiv ($ 1000's)	Ann. Equiv ($ 1000's)	Ann. Equiv #	Ann. Equiv ($ 1000's)	# Sites	# Properties	# Districts
Scenario 1	**Low**	0.00	29,225	1,400,818	1,718,495	3,793	300,710	42	12	0
	Mean	0.00	35,441	2,119,983	3,421,075	7,983	653,282	48	14	2
	High	0.00	36,984	2,372,082	3,749,641	8,627	697,602	54	16	3
Scenario 2	**Low**	0.00	32,514	1,777,448	2,625,428	6,548	537,532	42	11	0
	Mean	0.00	36,146	2,221,027	3,553,067	8,179	673,964	48	13	2
	High	0.00	37,131	2,414,985	3,828,963	8,701	709,477	54	14	3
Scenario 3	**Low**	0.00	21,804	988,650	1,415,789	3,168	250,292	42	12	0
	Mean	0.00	27,003	1,669,349	2,747,606	6,317	515,364	48	14	2
	High	0.00	28,074	1,891,511	3,060,027	6,869	554,232	54	16	3
Scenario 4	**Low**	0.00	24,244	1,346,624	2,127,866	5,126	422,634	42	11	0
	Mean	0.00	27,420	1,762,793	2,867,847	6,474	532,904	48	13	2
	High	0.00	28,224	1,932,170	3,133,154	6,939	565,619	54	14	3

Other Metric Results							
Construction Time (years)	0	**Wetlands Created/ Protected (acres)**	**Scen 1&3**	**Scen 2&4**	**PV Cost of NS Comp ($ Billions)**	**Scen 1&2**	**Scen 3&4**
Direct Wetland Impacts (acres)	0		0	0		N/A	N/A
Indirect Impacts	N/A	**PV Cost of Coastal Component ($ Billions)**	N/A	N/A			
Spatial Integrity	0.361						
		PV Cost of Structural Component ($ Billions)	N/A	N/A			


Louisiana Coastal Protection and Restoration
Planning Unit 2
Barataria Basin
No Action Alternative
(Future Degraded) PU2-0
November 2007
Lake Pontchartrain
Lake Borgne
Lac des Allemands
Lake Salavador
Larose Cut Off
Donaldsonville
Napoleonville
Thibodaux
Riceland
Lockport
Houma
New Orleans
Gretna
Westwego
Belle Chasse
Port Sulphur
Buras
Venice
Golden Meadow
Leeville
Port Fourchon
I-10
I-55
Legend
Percentage of Water of 500 meter cell
0 - 25%
25 - 50%
50 - 75%
75 - 100%
Primary Roads
Planning Unit Boundary
N
Miles
4 2 0 4 8 12 16 20
Data Source: Costal Louisiana Ecosystem Assessment and Restoration (CLEAR)


St_Charles dav pond
West jeff segnette
Luling
St_Charles Sunset
LAFO_3a
Ollie
JEFF_7c
Myrtle_Grove
LAFO_5d
LAFO_7c
LAFO_7e
Larose
LAFO_11b
PLAQ_11a
Diamond
Gainard_Woods
Sunrise
Grand_Liard
Plaq_Belle_Chase
Jean_Lafitte
Legend
Planning Subunits Listed in Table
Other Planning Subunits
Existing/authorized Alignments
Levee Alignment
Weir Alignment
N
Miles
3 1.5 0 3 6 9 12 15
Louisiana Coastal Protection and Restoration
Planning Unit 2
Barataria Basin
No Action Alternative
(Future Degraded)
PU2 - 0
Planning Subunits - Key Map
Nov, 2007

Alternative: PU2-0
Water Surface Elevations (feet - NAVD88 2004.65)

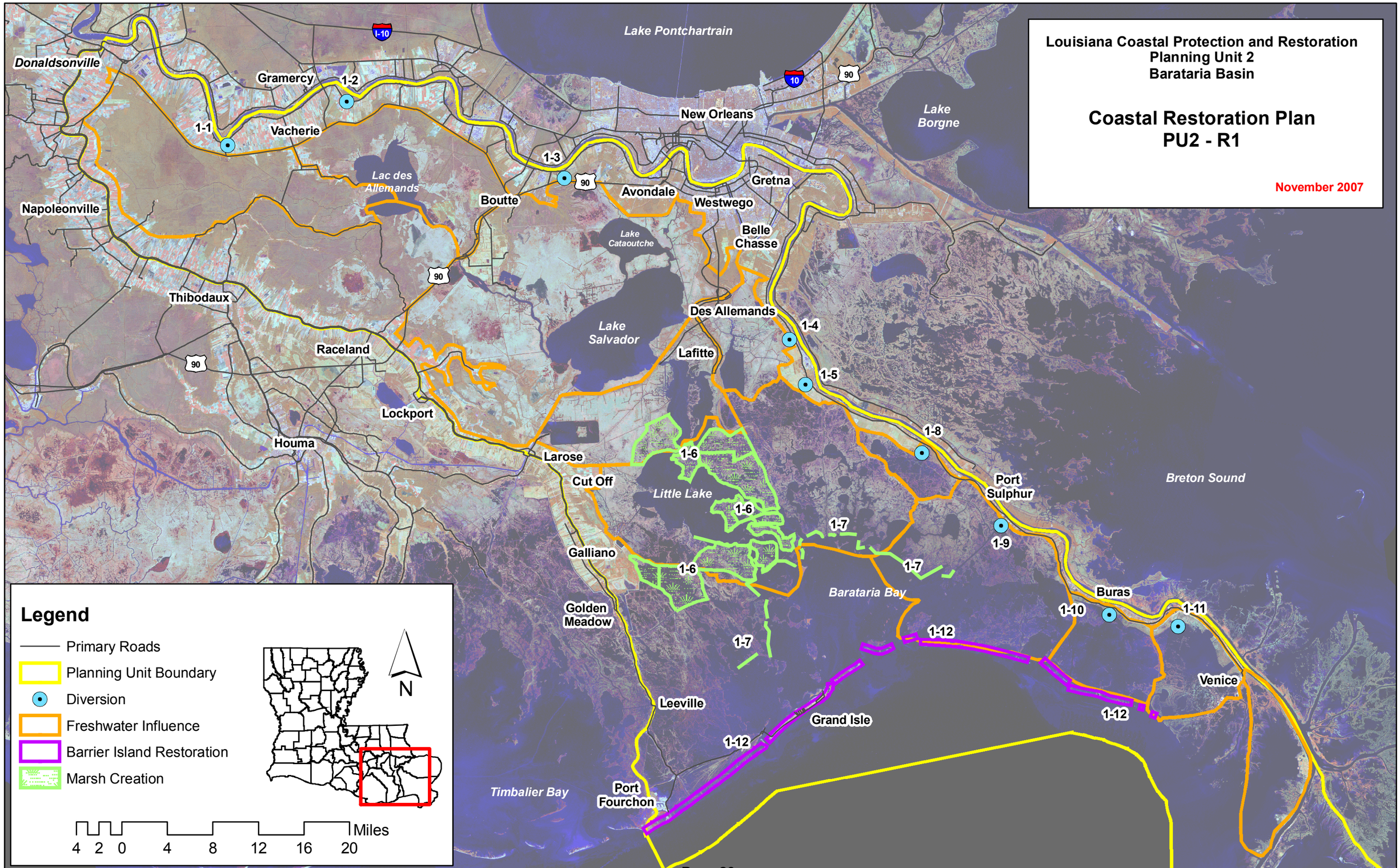
Planning Sub Unit	2010 (Base) Conditions						2060 (Future) Conditions					
	100-yr Event		400-year Event		1,000-yr Event		100-yr Event		400-year Event		1,000-yr Event	
	Without Project	With Project	Without Project	With Project	Without Project	With Project	Without Project	With Project	Without Project	With Project	Without Project	With Project
Algiers	-3.8		10.7		12.1		12.9		16.3		17.9	
Diamond	13.0		16.7		18.9		16.2		26.3		30.2	
English_Turn	-1.7		10.7		12.1		12.9		16.3		17.9	
Gainard_Woods	13.5		17.3		19.7		16.7		20.5		22.9	
Grand_Liard	15.0		16.7		18.9		18.2		26.3		30.2	
JEFF_7a	7.7		10.8		13.0		14.9		19.6		22.2	
JEFF_7c	8.4		11.9		14.0		14.6		18.9		21.1	
LAFO_11b	11.6		14.5		16.0		14.8		17.7		19.2	
LAFO_3a	3.9		5.1		6.0		7.1		8.3		9.2	
LAFO_5d	5.8		8.7		10.9		11.8		16.2		19.1	
LAFO_7c	7.1		9.1		10.3		11.7		13.6		14.8	
LAFO_7e	8.1		11.3		13.4		13.9		18.8		21.2	
Larose	-2.5		9.0		12.0		15.0		15.0		15.0	
Luling	6.1		8.6		10.2		9.3		11.8		13.4	
Myrtle_Grove	10.3		13.8		15.7		13.5		17.3		18.6	
Ollie	8.0		13.2		15.3		11.2		19.2		22.1	
PLAQ_11a	12.5		16.7		18.9		19.5		26.3		30.2	
Plaq_Belle_Chase	-2.6		11.0		11.3		11.6		14.3		15.8	
St_Charles_dav_pond	1.6		4.8		11.0		11.0		13.2		14.5	
St_Charles_Sunset	7.0		9.4		10.7		10.2		12.6		13.9	
Sunrise	15.0		16.7		18.9		18.2		26.3		30.2	
West_jeff_ames	-1.5		11.0		11.3		11.6		14.3		15.8	
West_jeff_EoH	-3.5		11.0		11.3		11.6		14.3		15.8	
West_jeff_harvey	-2.4		11.0		11.3		11.6		14.3		15.8	
West_jeff_segnette	-3.9		11.0		11.3		11.6		14.3		15.8	

Evaluation Parameters					
	Confidence Level:	90%		Levee Design:	No Friction Waves
	Future Sea Level Rise:	High		Levee Overtopping:	No Friction Waves

Planning Unit:	2	**Alt. No.**	PU2-R1	**Category**	Coastal Restoration Only
Alternative Description:	Sustain coastal landscape through restoration including shoreline protection, marsh creation, and steady state diversions.				
Coastal Component:	R1 (steady state diversions)			**Nonstructural Component:**	None
Structural Component:	No new levees or increases in risk reduction level to existing levees.				

		Metric Results by Scenario with Uncertainty Bands								
		Life-cycle Cost	Resident Population Impacted	Residual Damages	Gross Regional Output Impacted	Employment Impacted	People's Earned Income Impacted	Archeo. Sites Protected	Historic Properties Protected	Historic Districts Protected
		$ Billions	Ann. Equiv. #	Ann. Equiv ($ 1000's)	Ann. Equiv ($ 1000's)	Ann. Equiv #	Ann. Equiv ($ 1000's)	# Sites	# Properties	# Districts
Scenario 1	**Low**		22,911	1,014,960	1,081,921	2,174	150,600	160	13	4
	Mean	15.00	26,558	1,392,389	1,505,595	3,566	243,276	213	14	5
	High		27,757	1,616,673	1,872,492	4,237	294,249	266	16	5
Scenario 2	**Low**		23,259	1,062,993	1,148,795	2,262	160,083	160	12	3
	Mean	15.03	26,726	1,434,041	1,577,011	3,638	253,830	213	14	5
	High		27,901	1,655,680	1,937,804	4,298	303,696	266	14	5
Scenario 3	**Low**		16,430	627,254	880,015	1,750	116,843	160	13	4
	Mean	15.00	19,847	973,005	1,237,490	2,926	193,372	213	14	5
	High		20,785	1,164,972	1,566,022	3,504	237,683	266	16	5
Scenario 4	**Low**		16,705	669,506	934,260	1,825	124,892	160	12	3
	Mean	15.03	19,988	1,010,059	1,309,646	3,002	204,580	213	14	5
	High		20,932	1,198,550	1,630,531	3,564	247,174	266	14	5

Other Metric Results							
Construction Time (years)	0	**Wetlands Created/ Protected (acres)**	**Scen 1&3**	**Scen 2&4**	**PV Cost of NS Comp ($**	**Scen 1&2**	**Scen 3&4**
Direct Wetland Impacts (acres)	0		106,376	107,763		N/A	N/A
Indirect Impacts	N/A	**PV Cost of Coastal Component ($ Billions)**	15.00	15.03			
Spatial Integrity	0.535						
		PV Cost of Structural Component ($ Billions)	N/A	N/A			


Louisiana Coastal Protection and Restoration
Planning Unit 2
Barataria Basin
Coastal Restoration Plan
PU2 - R1
November 2007
Lake Pontchartrain
Lake Borgne
Breton Sound
Donaldsonville
Gramercy
Vacherie
New Orleans
Napoleonville
Lac des Allemands
Boutte
Avondale
Westwego
Gretna
Belle Chasse
Lake Cataoutche
Thibodaux
Des Allemands
Lake Salvador
Lafitte
Raceland
Lockport
Houma
Larose
Cut Off
Little Lake
Port Sulphur
Galliano
Barataria Bay
Buras
Golden Meadow
Venice
Leeville
Grand Isle
Timbalier Bay
Port Fourchon
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1-2
1-3
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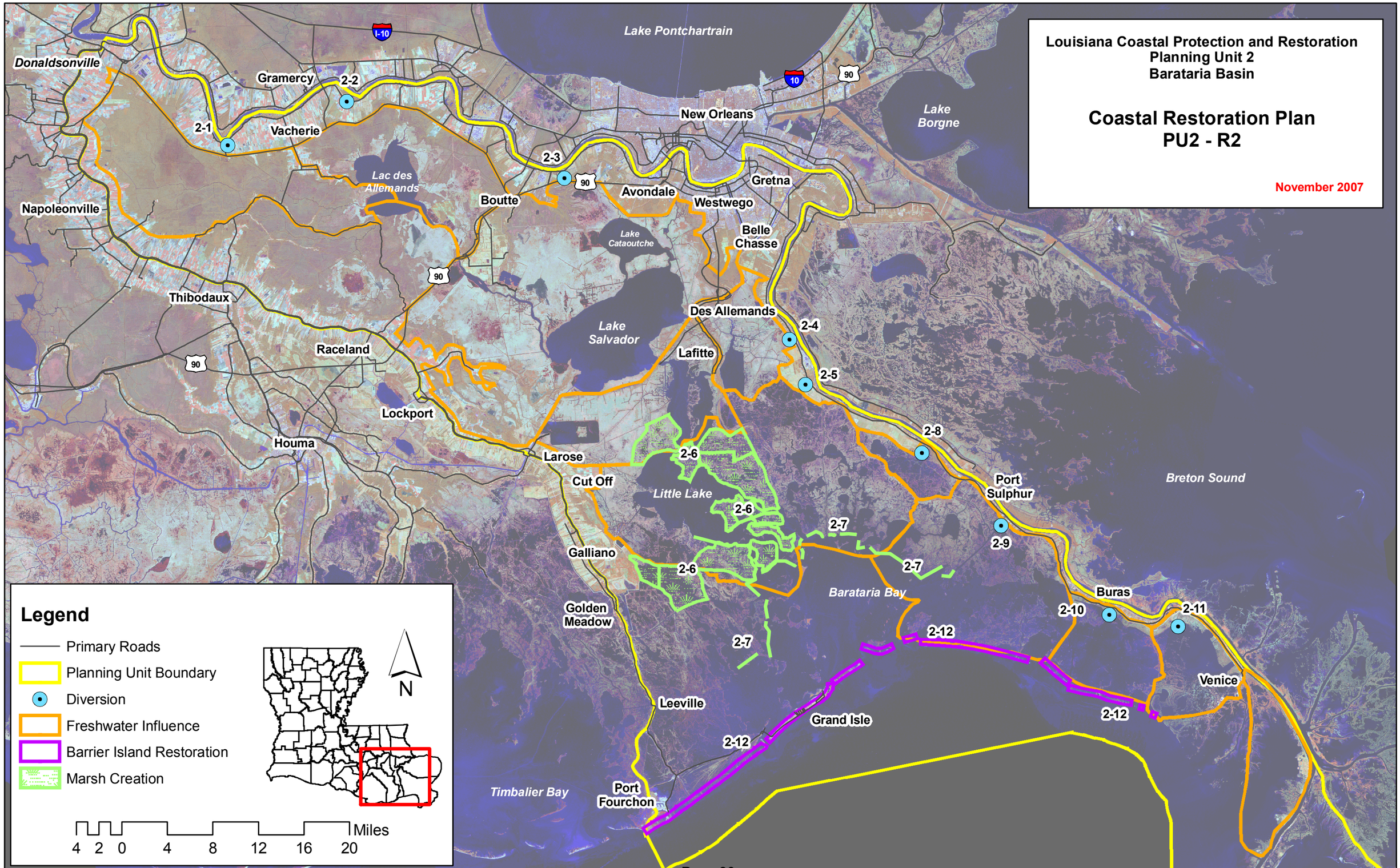
1-8
1-9
1-10
1-11
1-12
I-10
10
90
Legend
Primary Roads
Planning Unit Boundary
Diversion
Freshwater Influence
Barrier Island Restoration
Marsh Creation
N
Miles
4 2 0 4 8 12 16 20

Planning Unit:	2	Alt. No.	PU2-R2	Category	Coastal Restoration Only
Alternative Description:	Sustain coastal landscape through restoration including shoreline protection, marsh creation, and pulsed diversions.				
Coastal Component:	R2 (pulsed diversions)			Nonstructural Component:	None
Structural Component:	No new levees or increases in risk reduction level to existing levees.				

		Metric Results by Scenario with Uncertainty Bands								
		Life-cycle Cost	Resident Population Impacted	Residual Damages	Gross Regional Output Impacted	Employment Impacted	People's Earned Income Impacted	Archeo. Sites Protected	Historic Properties Protected	Historic Districts Protected
		$ Billions	Ann. Equiv. #	Ann. Equiv ($ 1000's)	Ann. Equiv ($ 1000's)	Ann. Equiv #	Ann. Equiv ($ 1000's)	# Sites	# Properties	# Districts
Scenario 1	Low		22,911	1,014,960	1,081,921	2,174	150,600	160	13	4
	Mean	15.66	26,558	1,392,389	1,505,595	3,566	243,276	213	14	5
	High		27,757	1,616,673	1,872,492	4,237	294,249	266	16	5
Scenario 2	Low		23,259	1,062,993	1,148,795	2,262	160,083	160	12	3
	Mean	15.69	26,726	1,434,041	1,577,011	3,638	253,830	213	14	5
	High		27,901	1,655,680	1,937,804	4,298	303,696	266	14	5
Scenario 3	Low		16,430	627,254	880,015	1,750	116,843	160	13	4
	Mean	15.66	19,847	973,005	1,237,490	2,926	193,372	213	14	5
	High		20,785	1,164,972	1,566,022	3,504	237,683	266	16	5
Scenario 4	Low		16,705	669,506	934,260	1,825	124,892	160	12	3
	Mean	15.69	19,988	1,010,059	1,309,646	3,002	204,580	213	14	5
	High		20,932	1,198,550	1,630,531	3,564	247,174	266	14	5

Other Metric Results							
Construction Time (years)	0	Wetlands Created/ Protected (acres)	Scen 1&3	Scen 2&4	PV Cost of NS Comp ($ Billions)	Scen 1&2	Scen 3&4
Direct Wetland Impacts (acres)	0		118,802	105,958			
Indirect Impacts	N/A	PV Cost of Coastal Component ($ Billions)				N/A	N/A
Spatial Integrity	0.539		15.66	15.69			
		PV Cost of Structural Component ($ Billions)	N/A	N/A			


Louisiana Coastal Protection and Restoration
Planning Unit 2
Barataria Basin
Coastal Restoration Plan
PU2 - R2
November 2007
Lake Pontchartrain
Lake Borgne
Breton Sound
Donaldsonville
Gramercy
Vacherie
New Orleans
Napoleonville
Lac des Allemands
Boutte
Avondale
Westwego
Gretna
Belle Chasse
Lake Cataoutche
Thibodaux
Des Allemands
Lake Salvador
Lafitte
Raceland
Lockport
Houma
Larose
Cut Off
Little Lake
Port Sulphur
Galliano
Barataria Bay
Buras
Golden Meadow
Venice
Leeville
Grand Isle
Timbalier Bay
Port Fourchon
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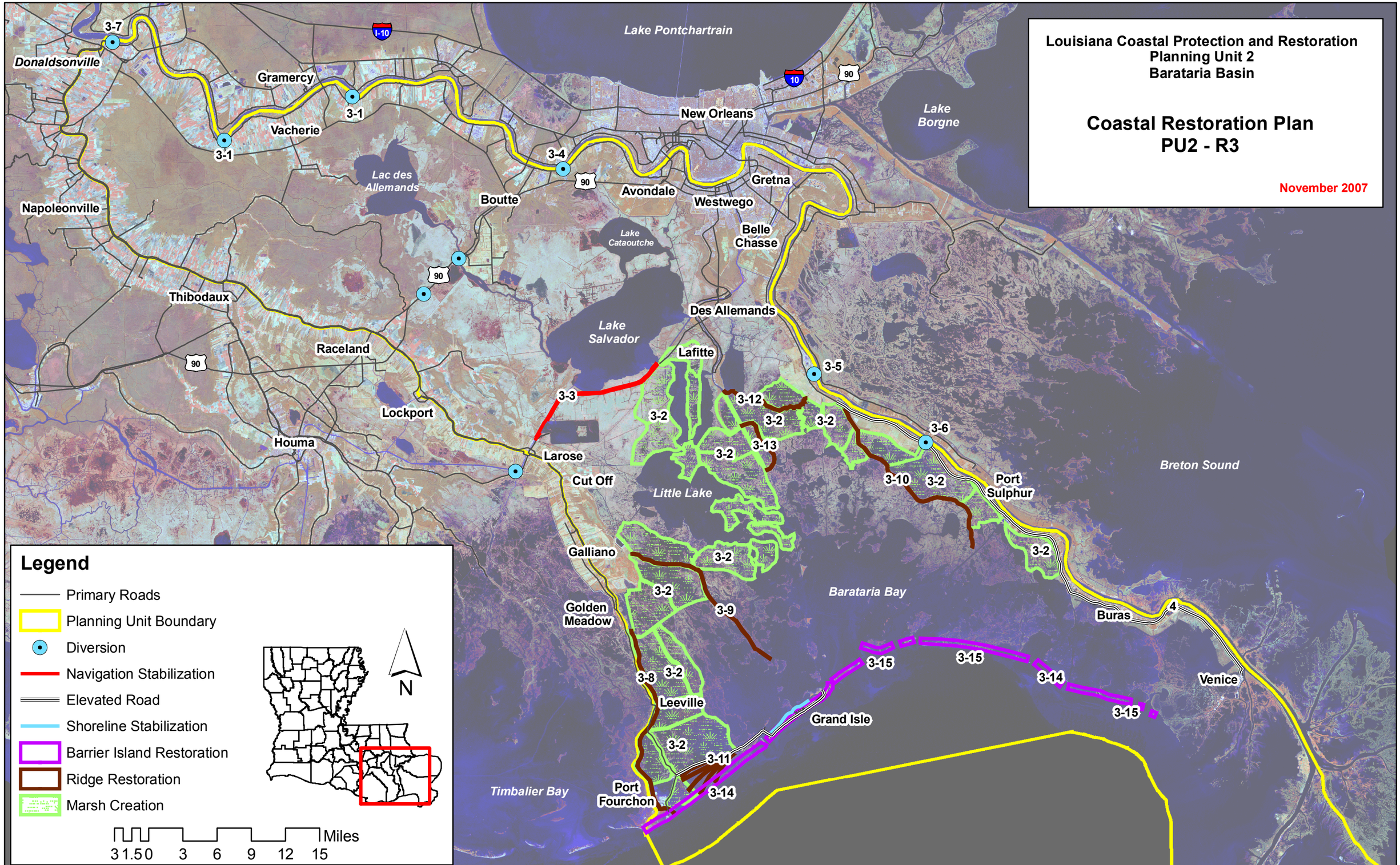
2-10
2-11
2-12
I-10
10
90
Legend
Primary Roads
Planning Unit Boundary
Diversion
Freshwater Influence
Barrier Island Restoration
Marsh Creation
N
Miles
4 2 0 4 8 12 16 20

Planning Unit:	2	**Alt. No.**	PU2-R3	**Category**	Coastal Restoration Only
Alternative Description:	Sustain coastal landscape through restoration including shoreline protection, marsh creation, and diversions as proposed in the State Master Plan.				
Coastal Component:	R3 (state plan)			**Nonstructural Component:**	None
Structural Component:	No new levees or increases in risk reduction level to existing levees.				

		Metric Results by Scenario with Uncertainty Bands								
		Life-cycle Cost	Resident Population Impacted	Residual Damages	Gross Regional Output Impacted	Employment Impacted	People's Earned Income Impacted	Archeo. Sites Protected	Historic Properties Protected	Historic Districts Protected
		$ Billions	Ann. Equiv. #	Ann. Equiv ($ 1000's)	Ann. Equiv ($ 1000's)	Ann. Equiv #	Ann. Equiv ($ 1000's)	# Sites	# Properties	# Districts
Scenario 1	**Low**		22,911	1,014,960	1,081,921	2,174	150,600	160	13	4
	Mean	18.24	26,558	1,392,389	1,505,595	3,566	243,276	213	14	5
	High		27,757	1,616,673	1,872,492	4,237	294,249	266	16	5
Scenario 2	**Low**		23,259	1,062,993	1,148,795	2,262	160,083	160	12	3
	Mean	18.36	26,726	1,434,041	1,577,011	3,638	253,830	213	14	5
	High		27,901	1,655,680	1,937,804	4,298	303,696	266	14	5
Scenario 3	**Low**		16,430	627,254	880,015	1,750	116,843	160	13	4
	Mean	18.24	19,847	973,005	1,237,490	2,926	193,372	213	14	5
	High		20,785	1,164,972	1,566,022	3,504	237,683	266	16	5
Scenario 4	**Low**		16,705	669,506	934,260	1,825	124,892	160	12	3
	Mean	18.36	19,988	1,010,059	1,309,646	3,002	204,580	213	14	5
	High		20,932	1,198,550	1,630,531	3,564	247,174	266	14	5

Other Metric Results							
Construction Time (years)	0	**Wetlands Created/ Protected (acres)**	**Scen 1&3**	**Scen 2&4**	**PV Cost of NS Comp ($ Billions)**	**Scen 1&2**	**Scen 3&4**
Direct Wetland Impacts (acres)	0		134,483	135,288		N/A	N/A
Indirect Impacts	N/A	**PV Cost of Coastal Component ($ Billions)**	18.24	18.36			
Spatial Integrity	0.544						
		PV Cost of Structural Component ($ Billions)	N/A	N/A			


Louisiana Coastal Protection and Restoration
Planning Unit 2
Barataria Basin
Coastal Restoration Plan
PU2 - R3
November 2007
Legend
Primary Roads
Planning Unit Boundary
Diversion
Navigation Stabilization
Elevated Road
Shoreline Stabilization
Barrier Island Restoration
Ridge Restoration
Marsh Creation
N
Miles
3 1.5 0 3 6 9 12 15
Lake Pontchartrain
Lake Borgne
Breton Sound
Barataria Bay
Timbalier Bay
Lake Salvador
Lake Cataoutche
Lac des Allemands
Little Lake
Donaldsonville
Napoleonville
Thibodaux
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Des Allemands
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Galliano
Golden Meadow
Leeville
Grand Isle
Port Fourchon
Port Sulphur
Buras
Venice
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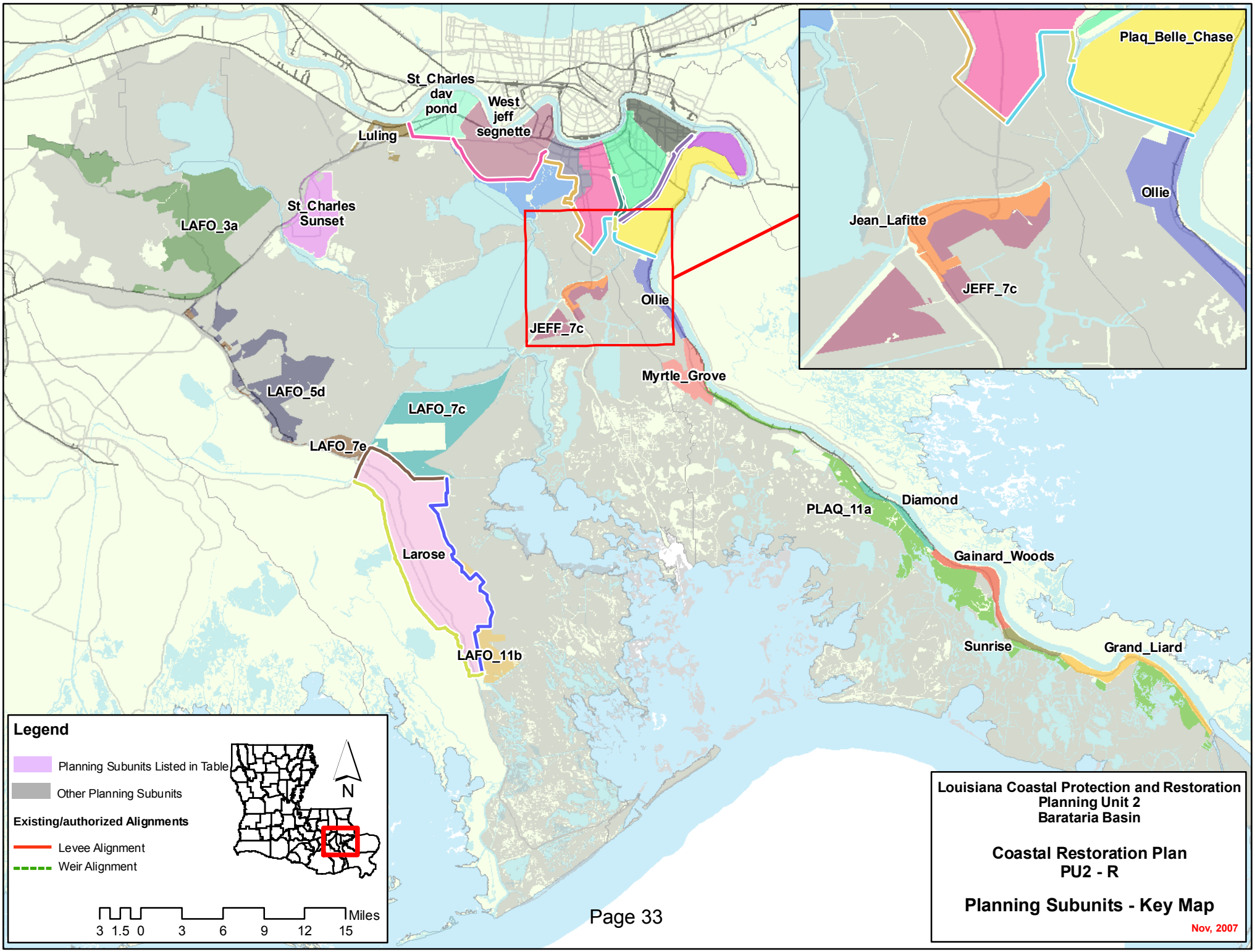

St_Charles dav pond
West jeff segnette
Luling
St_Charles Sunset
LAFO_3a
LAFO_5d
LAFO_7c
LAFO_7e
Larose
LAFO_11b
JEFF_7c
Ollie
Myrtle_Grove
PLAQ_11a
Diamond
Gainard_Woods
Sunrise
Grand_Liard
Plaq_Belle_Chase
Jean_Lafitte
Legend
Planning Subunits Listed in Table
Other Planning Subunits
Existing/authorized Alignments
Levee Alignment
Weir Alignment
N
Miles
3 1.5 0 3 6 9 12 15
Louisiana Coastal Protection and Restoration
Planning Unit 2
Barataria Basin
Coastal Restoration Plan
PU2 - R
Planning Subunits - Key Map
Nov, 2007

Alternative: PU2-R1, R2, and R3
Water Surface Elevations (feet - NAVD88 2004.65)

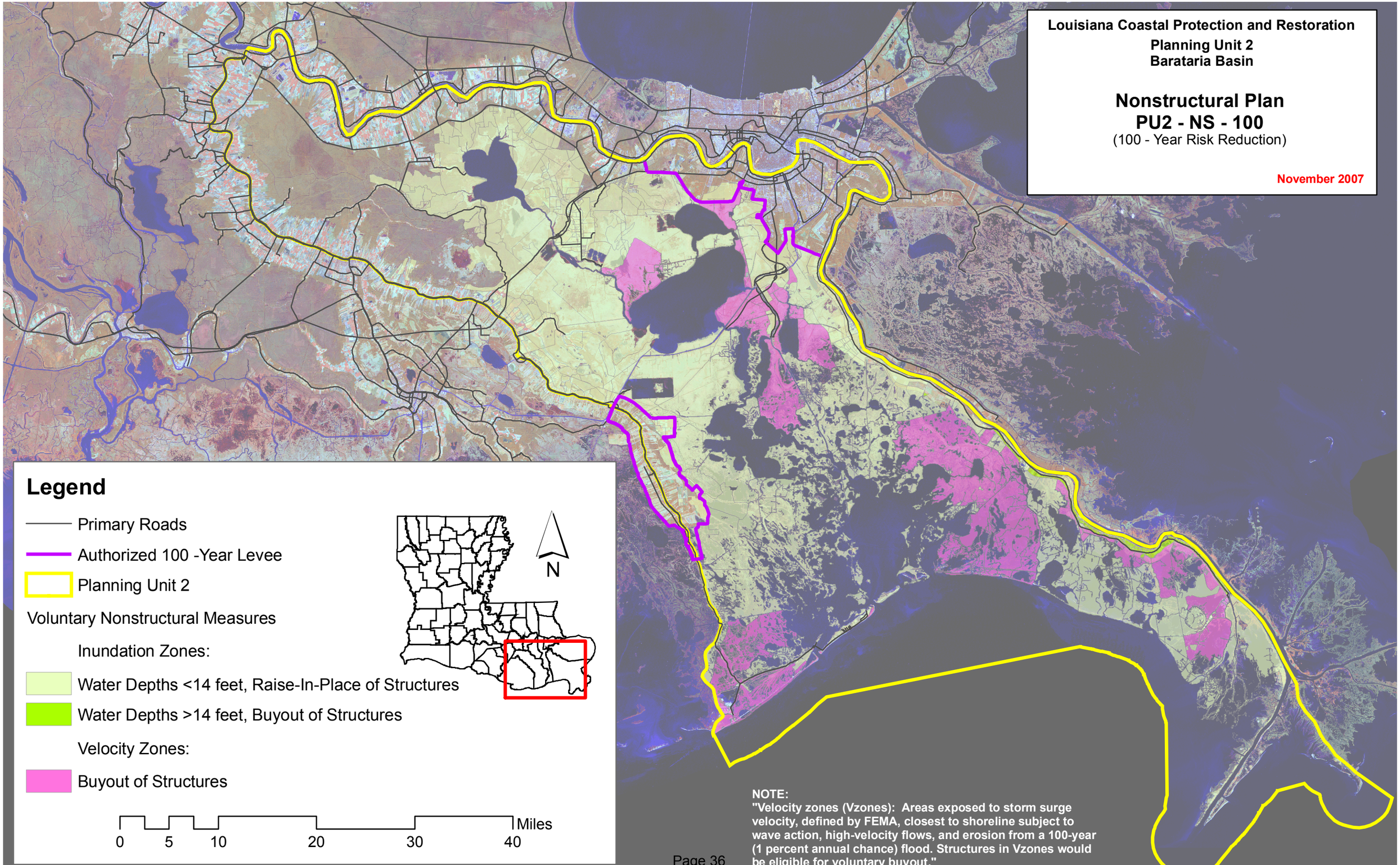
Planning Sub Unit	2010 (Base) Conditions						2060 (Future) Conditions					
	100-yr Event		400-year Event		1,000-yr Event		100-yr Event		400-year Event		1,000-yr Event	
	Without Project	With Project	Without Project	With Project	Without Project	With Project	Without Project	With Project	Without Project	With Project	Without Project	With Project
Algiers	-3.8	-3.8	10.7	10.7	12.1	12.1	12.9	-3.8	16.3	10.7	17.9	12.1
Diamond	13.0	13.0	16.7	16.7	18.9	18.9	16.2	16.2	26.3	19.9	30.2	22.1
English_Turn	-1.7	-1.7	10.7	10.7	12.1	12.1	12.9	-1.7	16.3	10.7	17.9	12.1
Gainard_Woods	13.5	13.5	17.3	17.3	19.7	19.7	16.7	16.7	20.5	20.5	22.9	22.9
Grand_Liard	15.0	15.0	16.7	16.7	18.9	18.9	18.2	18.2	26.3	19.9	30.2	22.1
JEFF_7a	7.7	7.7	10.8	10.8	13.0	13.0	14.9	10.9	19.6	14.0	22.2	16.2
JEFF_7c	8.4	8.4	11.9	11.9	14.0	14.0	14.6	11.6	18.9	15.1	21.1	17.2
LAFO_11b	11.6	11.6	14.5	14.5	16.0	16.0	14.8	14.8	17.7	17.7	19.2	19.2
LAFO_3a	3.9	3.9	5.1	5.1	6.0	6.0	7.1	7.1	8.3	8.3	9.2	9.2
LAFO_5d	5.8	5.8	8.7	8.7	10.9	10.9	11.8	9.0	16.2	11.9	19.1	14.1
LAFO_7c	7.1	7.1	9.1	9.1	10.3	10.3	11.7	10.3	13.6	12.3	14.8	13.5
LAFO_7e	8.1	8.1	11.3	11.3	13.4	13.4	13.9	11.3	18.8	14.5	21.2	16.6
Larose	6.2	6.2	15.2	15.2	17.0	17.0	15.0	9.4	15.0	15.0	15.0	15.0
Luling	6.1	6.1	8.6	8.6	10.2	10.2	11.6	9.3	14.4	11.8	15.8	13.4
Myrtle_Grove	10.3	10.3	13.8	13.8	15.7	15.7	13.5	13.5	17.3	17.3	18.6	18.6
Ollie	8.0	8.0	13.2	13.2	15.3	15.3	11.2	11.2	19.2	16.4	22.1	18.5
PLAQ_11a	12.5	12.5	16.7	16.7	18.9	18.9	19.5	15.7	26.3	19.9	30.2	22.1
Plaq_Belle_Chase	-2.6	-2.6	11.0	11.0	11.3	11.3	11.6	-2.6	14.3	11.0	15.8	11.3
St_Charles_dav_pond	1.6	1.6	4.8	4.8	11.0	11.0	11.0	1.6	13.2	4.8	14.5	11.0
St_Charles_Sunset	7.0	7.0	9.4	9.4	10.7	10.7	10.2	10.2	12.6	12.6	13.9	13.9
Sunrise	15.0	15.0	16.7	16.7	18.9	18.9	18.2	18.2	26.3	19.9	30.2	22.1
West_jeff_ames	-1.5	-1.5	11.0	11.0	11.3	11.3	11.6	-1.5	14.3	11.0	15.8	11.3
West_jeff_EoH	-3.5	-3.5	11.0	11.0	11.3	11.3	11.6	-3.5	14.3	11.0	15.8	11.3
West_jeff_harvey	-2.4	-2.4	11.0	11.0	11.3	11.3	11.6	-2.4	14.3	11.0	15.8	11.3
West_jeff_segnette	-3.9	-3.9	11.0	11.0	11.3	11.3	11.6	-3.9	14.3	11.0	15.8	11.3

Evaluation Parameters					
	Confidence Level:	90%		Levee Design:	No Friction Waves
	Future Sea Level Rise:	High		Levee Overtopping:	No Friction Waves

Planning Unit:	2	**Alt. No.**	PU2-NS-100	**Category**	Coastal Restoration + Nonstructural Measures
Alternative Description:	Sustain coastal landscape through restoration. Implement comprehensive 100-year nonstructural measures.				
Coastal Component:	R2 (pulsed diversions)			**Nonstructural Component:**	See alternative description.
Structural Component:	No new levees or increases in risk reduction level to existing levees.				

		Metric Results by Scenario with Uncertainty Bands								
		Life-cycle Cost	Resident Population Impacted	Residual Damages	Gross Regional Output Impacted	Employment Impacted	People's Earned Income Impacted	Archeo. Sites Protected	Historic Properties Protected	Historic Districts Protected
		$ Billions	Ann. Equiv. #	Ann. Equiv ($ 1000's)	Ann. Equiv ($ 1000's)	Ann. Equiv #	Ann. Equiv ($ 1000's)	# Sites	# Properties	# Districts
Scenario 1	**Low**		20,972	411,697	259,061	700	39,661	160	13	4
	Mean	22.72	23,223	609,744	572,943	1,543	98,983	213	14	5
	High		24,051	738,107	763,090	1,963	131,134	266	16	5
Scenario 2	**Low**		21,136	450,880	403,736	864	56,423	160	12	3
	Mean	22.75	23,295	654,943	638,384	1,669	110,787	213	14	5
	High		24,110	779,564	806,157	2,027	138,067	266	14	5
Scenario 3	**Low**		15,343	289,074	294,267	895	49,656	160	13	4
	Mean	20.85	17,468	453,721	558,333	1,639	99,652	213	14	5
	High		18,117	552,953	714,883	1,974	125,525	266	16	5
Scenario 4	**Low**		15,476	310,740	400,843	1,015	61,567	160	12	3
	Mean	20.88	17,532	483,590	619,915	1,744	110,047	213	14	5
	High		18,184	582,964	757,967	2,037	132,432	266	14	5

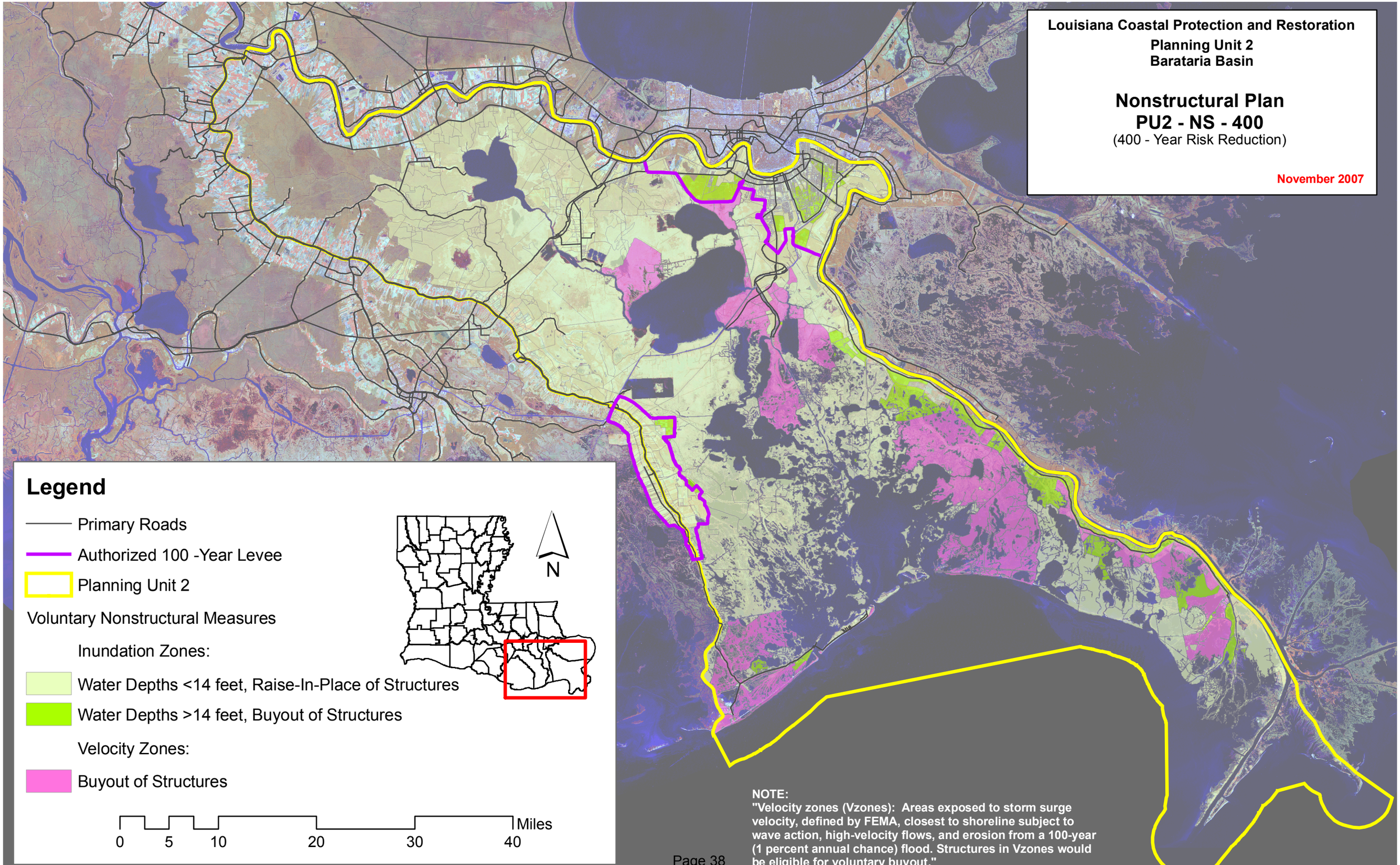
Other Metric Results							
Construction Time (years)	15	**Wetlands Created/ Protected (acres)**	**Scen 1&3**	**Scen 2&4**	**PV Cost of NS Comp ($ Billions)**	**Scen 1&2**	**Scen 3&4**
Direct Wetland Impacts (acres)	0		118,802	105,958		7.06	5.19
Indirect Impacts	N/A	**PV Cost of Coastal Component ($ Billions)**	15.66	15.69			
Spatial Integrity	0.539						
		PV Cost of Structural Component ($ Billions)	N/A	N/A			


Louisiana Coastal Protection and Restoration
Planning Unit 2
Barataria Basin
Nonstructural Plan
PU2 - NS - 100
(100 - Year Risk Reduction)
November 2007
Legend
Primary Roads
Authorized 100 -Year Levee
Planning Unit 2
Voluntary Nonstructural Measures
Inundation Zones:
Water Depths <14 feet, Raise-In-Place of Structures
Water Depths >14 feet, Buyout of Structures
Velocity Zones:
Buyout of Structures
N
0
5
10
20
30
40
Miles
NOTE:
"Velocity zones (Vzones): Areas exposed to storm surge velocity, defined by FEMA, closest to shoreline subject to wave action, high-velocity flows, and erosion from a 100-year (1 percent annual chance) flood. Structures in Vzones would be eligible for voluntary buyout."

Planning Unit:	2	**Alt. No.**	PU2-NS-400	**Category**	Coastal Restoration + Nonstructural Measures
Alternative Description:	Sustain coastal landscape through restoration. Implement comprehensive 400-year nonstructural measures.				
Coastal Component:	R2 (pulsed diversions)			**Nonstructural Component:**	See alternative description.
Structural Component:	No new levees or increases in risk reduction level to existing levees.				

		Metric Results by Scenario with Uncertainty Bands								
		Life-cycle Cost	Resident Population Impacted	Residual Damages	Gross Regional Output Impacted	Employment Impacted	People's Earned Income Impacted	Archeo. Sites Protected	Historic Properties Protected	Historic Districts Protected
		$ Billions	Ann. Equiv. #	Ann. Equiv ($ 1000's)	Ann. Equiv ($ 1000's)	Ann. Equiv #	Ann. Equiv ($ 1000's)	# Sites	# Properties	# Districts
Scenario 1	**Low**		13,935	314,894	209,499	570	31,417	160	13	4
	Mean	52.59	15,905	332,139	270,398	740	43,319	213	14	5
	High		16,621	353,264	298,950	798	47,771	266	16	5
Scenario 2	**Low**		14,062	320,244	222,466	590	33,327	160	12	3
	Mean	52.62	15,958	342,853	284,983	759	44,837	213	14	5
	High		16,661	371,021	371,203	910	58,892	266	14	5
Scenario 3	**Low**		10,792	196,228	252,115	776	42,208	160	13	4
	Mean	48.85	12,686	211,054	305,433	933	52,812	213	14	5
	High		13,238	227,615	331,461	984	56,744	266	16	5
Scenario 4	**Low**		10,904	198,818	264,049	796	44,095	160	12	3
	Mean	48.88	12,740	216,793	318,425	955	54,692	213	14	5
	High		13,295	238,649	399,655	1,088	67,207	266	14	5

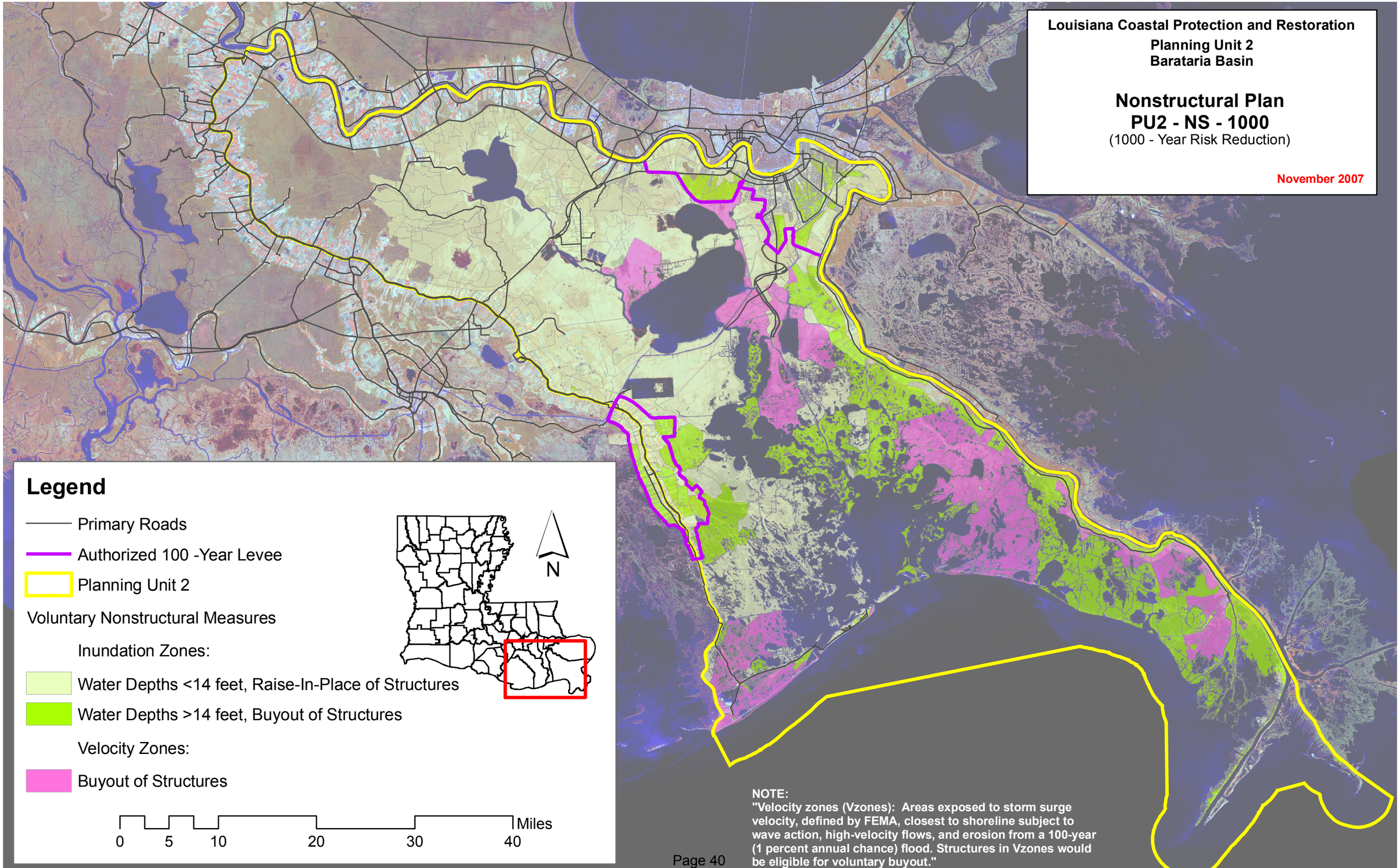
Other Metric Results							
Construction Time (years)	15	**Wetlands Created/ Protected (acres)**	**Scen 1&3**	**Scen 2&4**	**PV Cost of NS Comp ($ Billions)**	**Scen 1&2**	**Scen 3&4**
Direct Wetland Impacts (acres)	0		118,802	105,958		36.93	33.19
Indirect Impacts	N/A	**PV Cost of Coastal Component ($ Billions)**	15.66	15.69			
Spatial Integrity	0.539						
		PV Cost of Structural Component ($ Billions)	N/A	N/A			


Louisiana Coastal Protection and Restoration
Planning Unit 2
Barataria Basin
Nonstructural Plan
PU2 - NS - 400
(400 - Year Risk Reduction)
November 2007
Legend
Primary Roads
Authorized 100 -Year Levee
Planning Unit 2
Voluntary Nonstructural Measures
Inundation Zones:
Water Depths <14 feet, Raise-In-Place of Structures
Water Depths >14 feet, Buyout of Structures
Velocity Zones:
Buyout of Structures
N
0
5
10
20
30
40
Miles
NOTE:
"Velocity zones (Vzones): Areas exposed to storm surge velocity, defined by FEMA, closest to shoreline subject to wave action, high-velocity flows, and erosion from a 100-year (1 percent annual chance) flood. Structures in Vzones would be eligible for voluntary buyout."

Planning Unit:	2	**Alt. No.**	PU2-NS-1000	**Category**	Coastal Restoration + Nonstructural Measures
Alternative Description:	Sustain coastal landscape through restoration. Implement comprehensive 1000-year nonstructural measures.				
Coastal Component:	R2 (pulsed diversions)			**Nonstructural Component:**	See alternative description.
Structural Component:	No new levees or increases in risk reduction level to existing levees.				

		Metric Results by Scenario with Uncertainty Bands								
		Life-cycle Cost	Resident Population Impacted	Residual Damages	Gross Regional Output Impacted	Employment Impacted	People's Earned Income Impacted	Archeo. Sites Protected	Historic Properties Protected	Historic Districts Protected
		$ Billions	Ann. Equiv. #	Ann. Equiv ($ 1000's)	Ann. Equiv ($ 1000's)	Ann. Equiv #	Ann. Equiv ($ 1000's)	# Sites	# Properties	# Districts
Scenario 1	**Low**		13,047	310,323	209,295	570	31,378	160	13	4
	Mean	55.07	14,907	315,811	220,202	601	33,512	213	14	5
	High		15,618	320,147	226,161	610	34,265	266	16	5
Scenario 2	**Low**		13,171	311,584	210,148	571	31,505	160	12	3
	Mean	55.10	14,958	320,042	226,754	612	34,438	213	14	5
	High		15,656	330,019	244,177	632	36,350	266	14	5
Scenario 3	**Low**		10,221	192,046	251,964	776	42,183	160	13	4
	Mean	50.73	12,026	197,195	261,477	805	44,107	213	14	5
	High		12,574	200,397	266,648	813	44,796	266	16	5
Scenario 4	**Low**		10,331	192,683	252,677	777	42,294	160	12	3
	Mean	50.76	12,079	198,881	266,965	814	44,930	213	14	5
	High		12,630	204,927	282,507	836	47,042	266	14	5

Other Metric Results							
Construction Time (years)	15	**Wetlands Created/ Protected (acres)**	**Scen 1&3**	**Scen 2&4**	**PV Cost of NS Comp ($ Billions)**	**Scen 1&2**	**Scen 3&4**
Direct Wetland Impacts (acres)	0		118,802	105,958		39.41	35.07
Indirect Impacts	N/A	**PV Cost of Coastal Component ($ Billions)**	15.66	15.69			
Spatial Integrity	0.539						
		PV Cost of Structural Component ($ Billions)	N/A	N/A			


Louisiana Coastal Protection and Restoration
Planning Unit 2
Barataria Basin
Nonstructural Plan
PU2 - NS - 1000
(1000 - Year Risk Reduction)
November 2007
Legend
Primary Roads
Authorized 100 -Year Levee
Planning Unit 2
Voluntary Nonstructural Measures
Inundation Zones:
Water Depths <14 feet, Raise-In-Place of Structures
Water Depths >14 feet, Buyout of Structures
Velocity Zones:
Buyout of Structures
N
0
5
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Miles
NOTE:
"Velocity zones (Vzones): Areas exposed to storm surge velocity, defined by FEMA, closest to shoreline subject to wave action, high-velocity flows, and erosion from a 100-year (1 percent annual chance) flood. Structures in Vzones would be eligible for voluntary buyout."