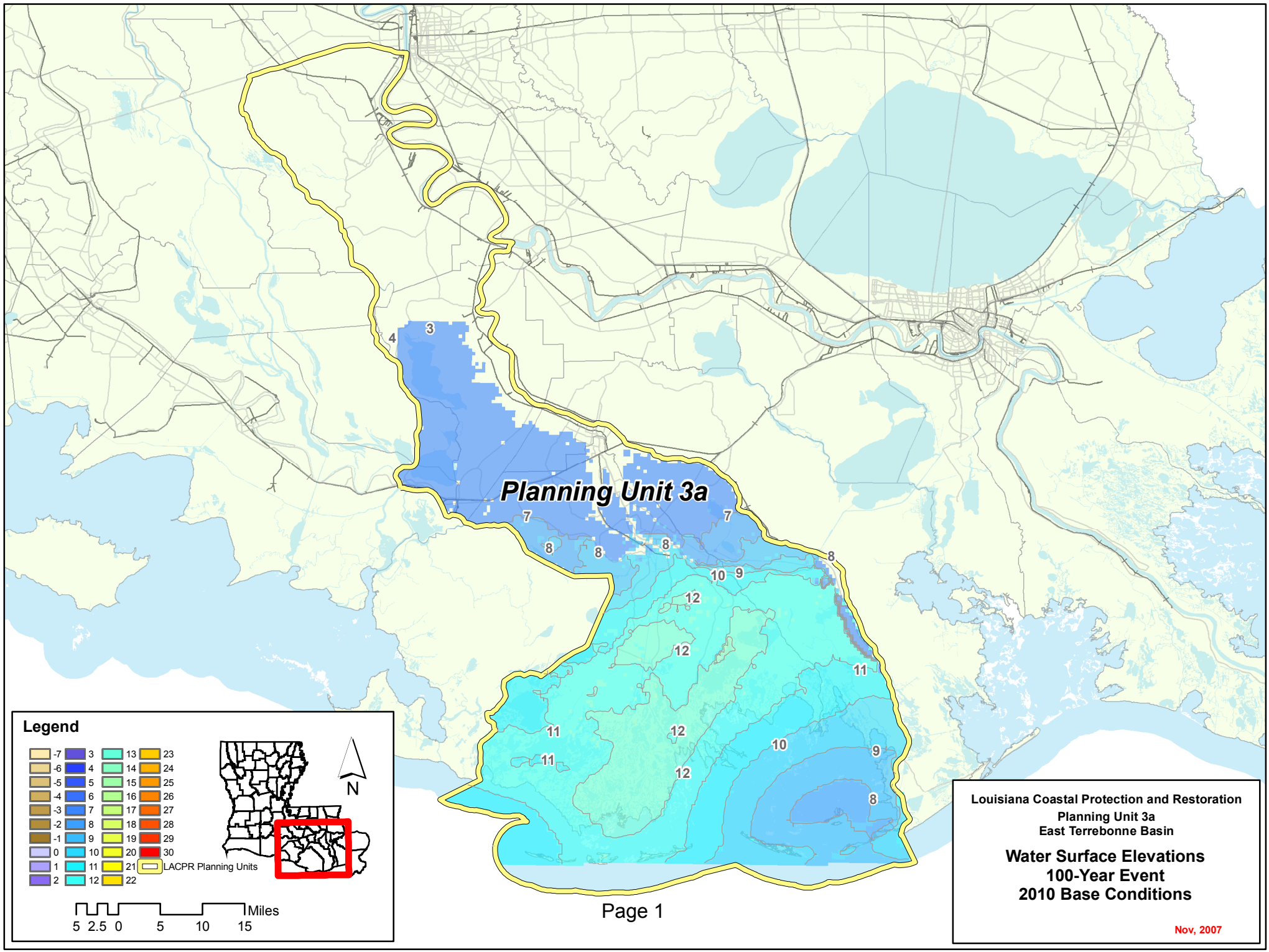
Planning Unit 3a
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9
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Legend
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-6
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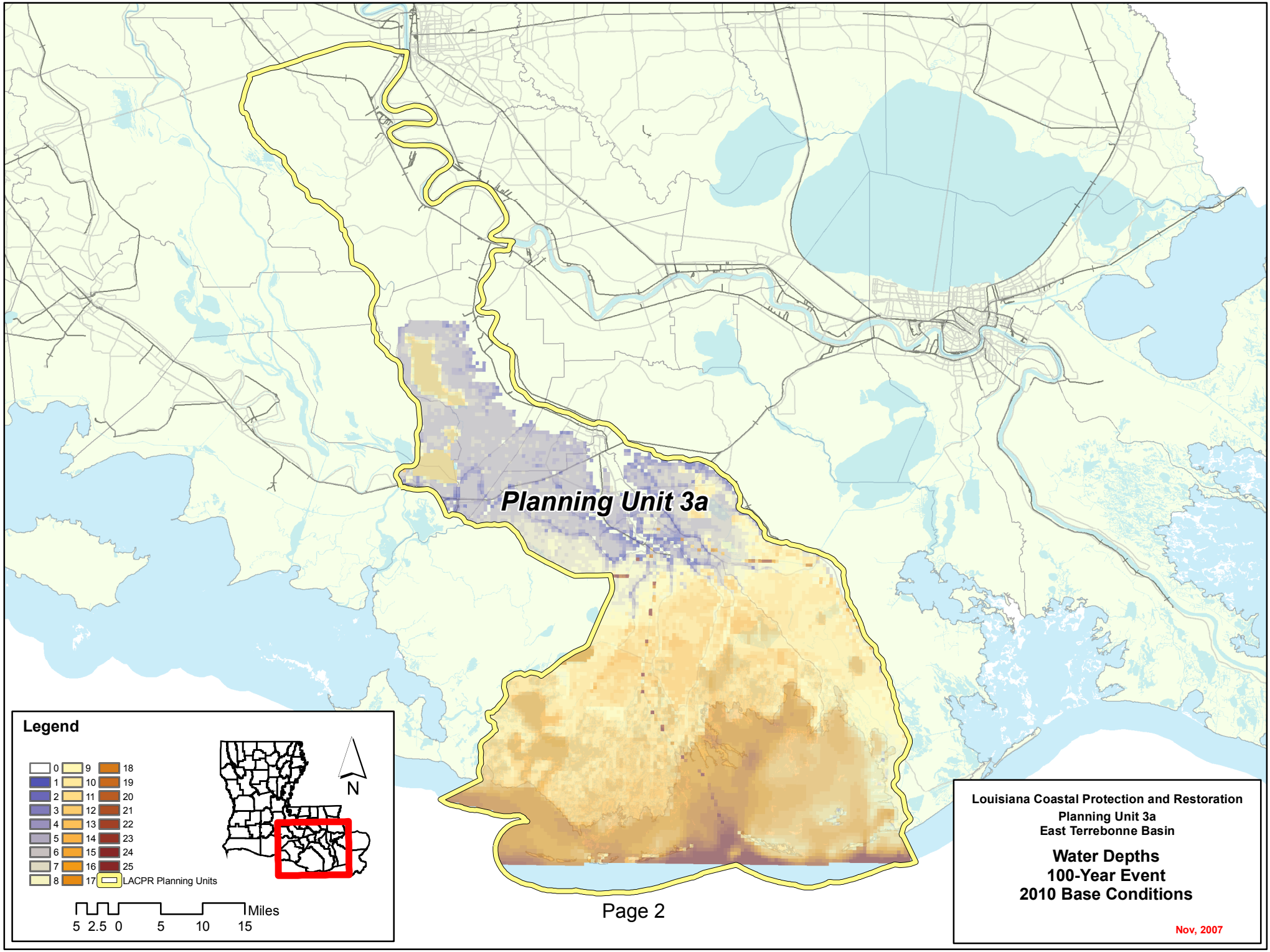
30
LACPR Planning Units
N
Miles
5 2.5 0 5 10 15
Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin
Water Surface Elevations
100-Year Event
2010 Base Conditions
Nov, 2007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LACPR Planning Units
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Miles
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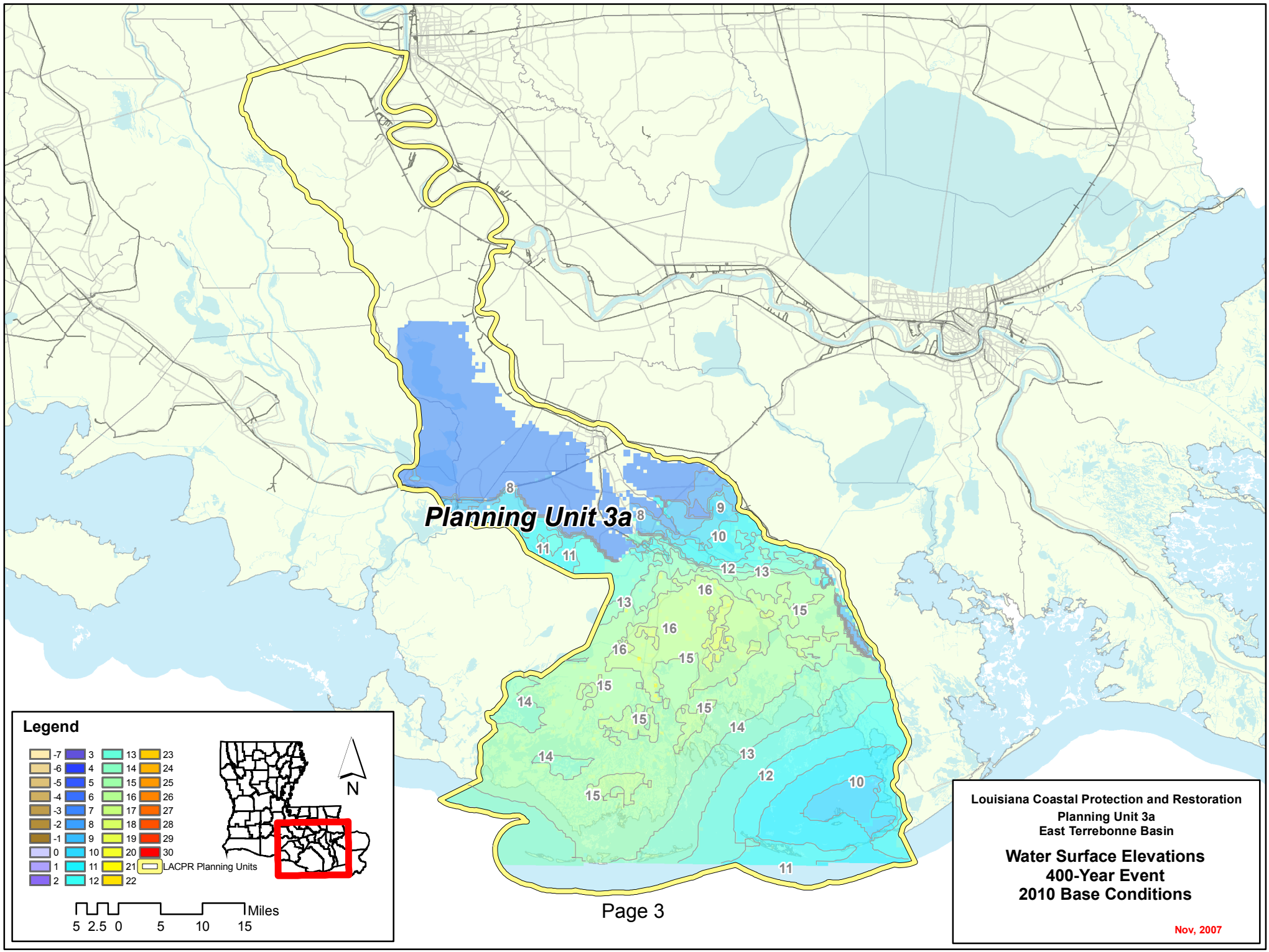
Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin
Water Depths
100-Year Event
2010 Base Conditions
Nov, 2007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Legend
-7 -6 -5 -4 -3 -2 -1 0 1 2
3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30
LACPR Planning Units
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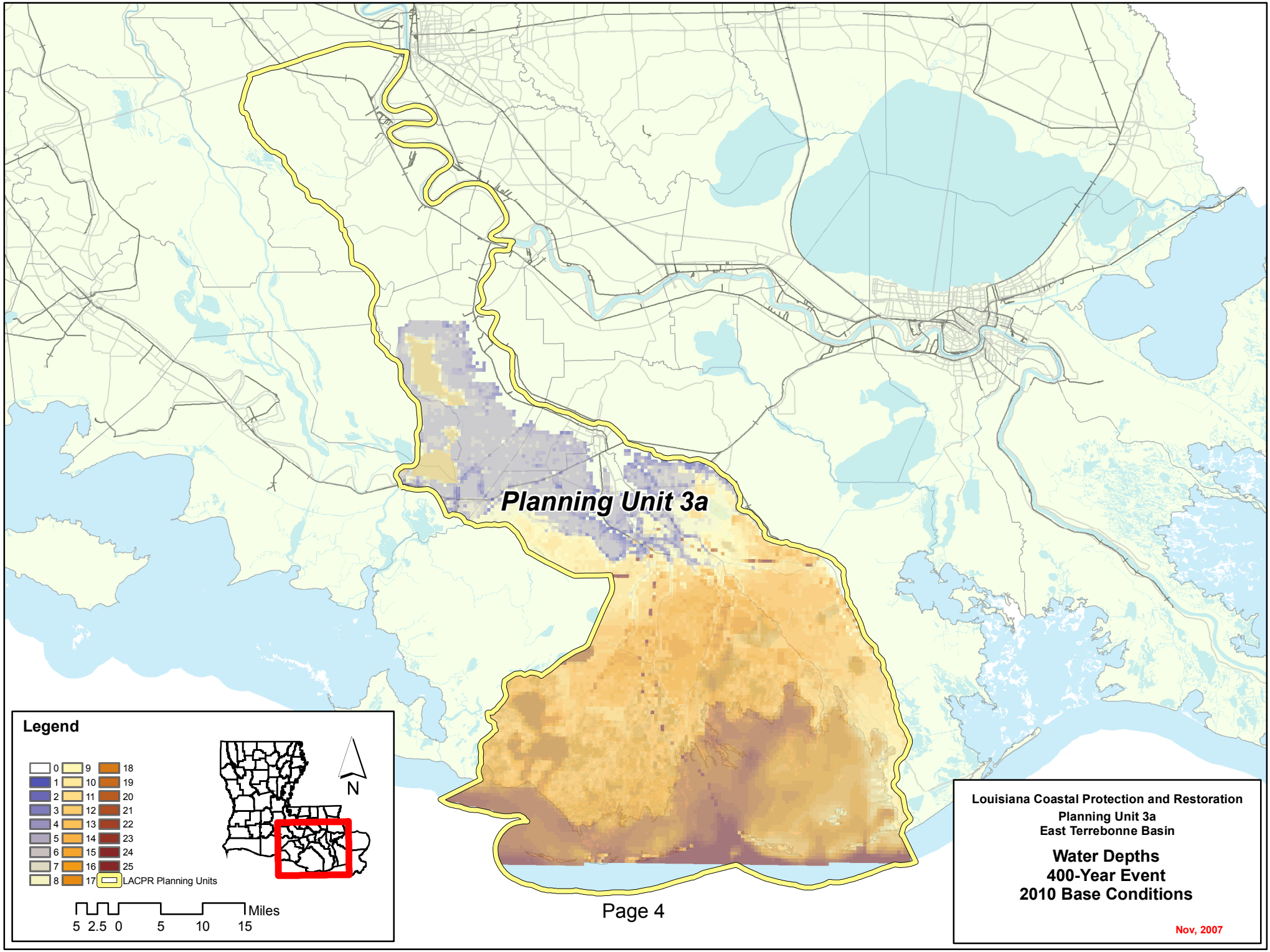
Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin
Water Surface Elevations
400-Year Event
2010 Base Conditions
Nov, 2007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Legend
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LACPR Planning Units
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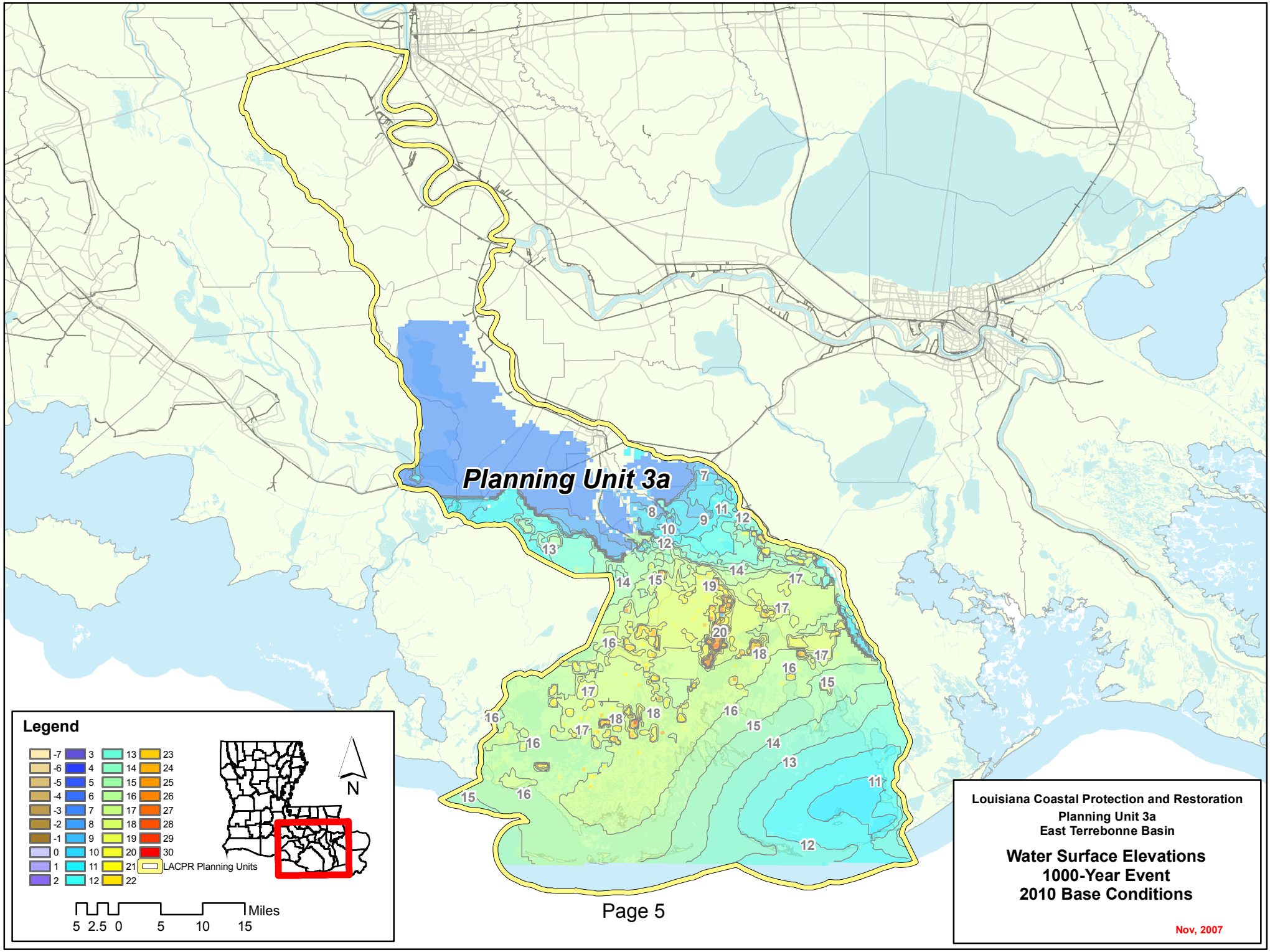
Miles
5 2.5 0 5 10 15
Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin
Water Depths
400-Year Event
2010 Base Conditions
Nov, 2007


Planning Unit 3a
Legend
-7 -6 -5 -4 -3 -2 -1 0 1 2
3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30
LACPR Planning Units
N
Miles
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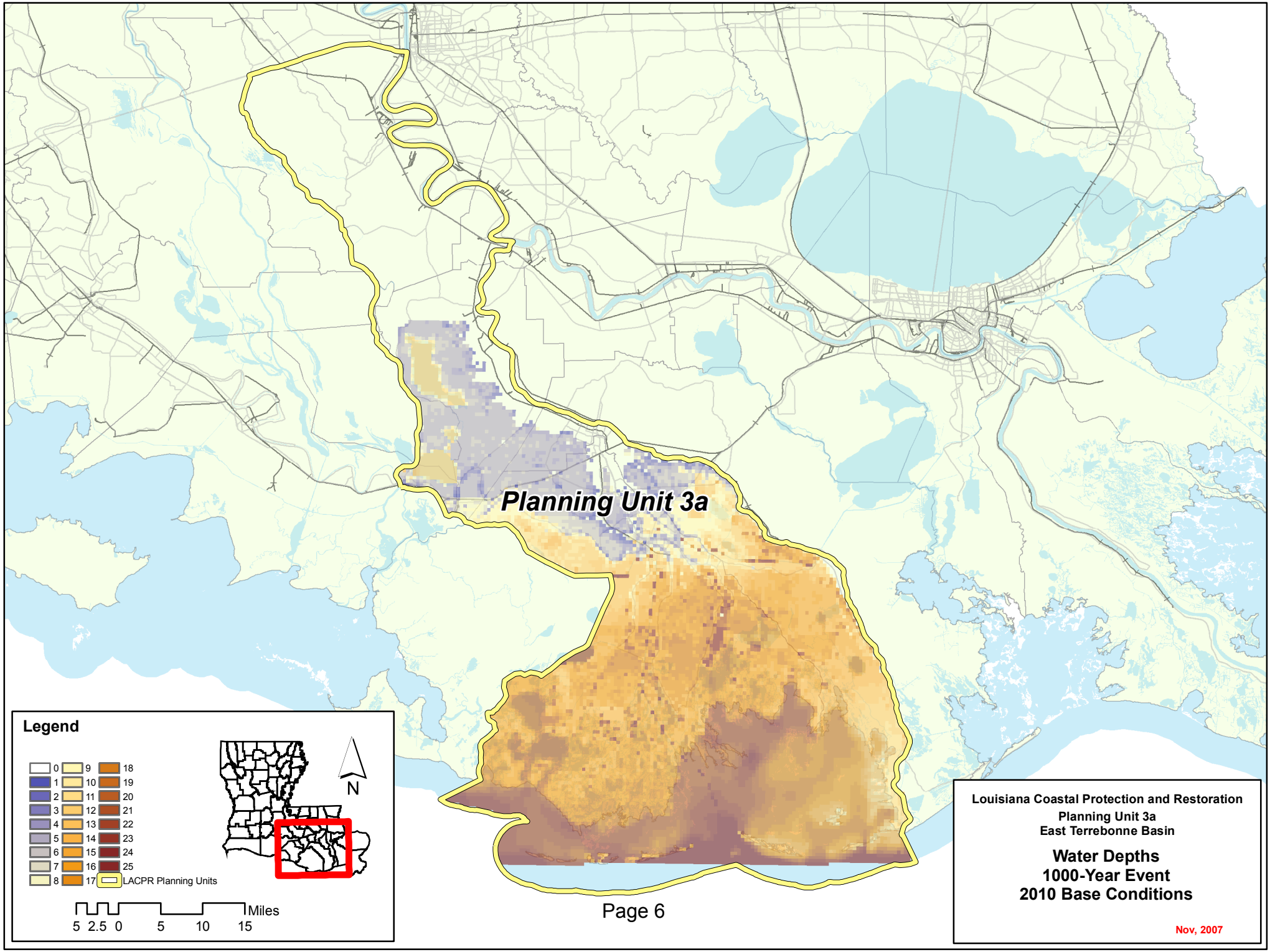
Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin
Water Surface Elevations
1000-Year Event
2010 Base Conditions
Nov, 2007


Planning Unit 3a
Legend
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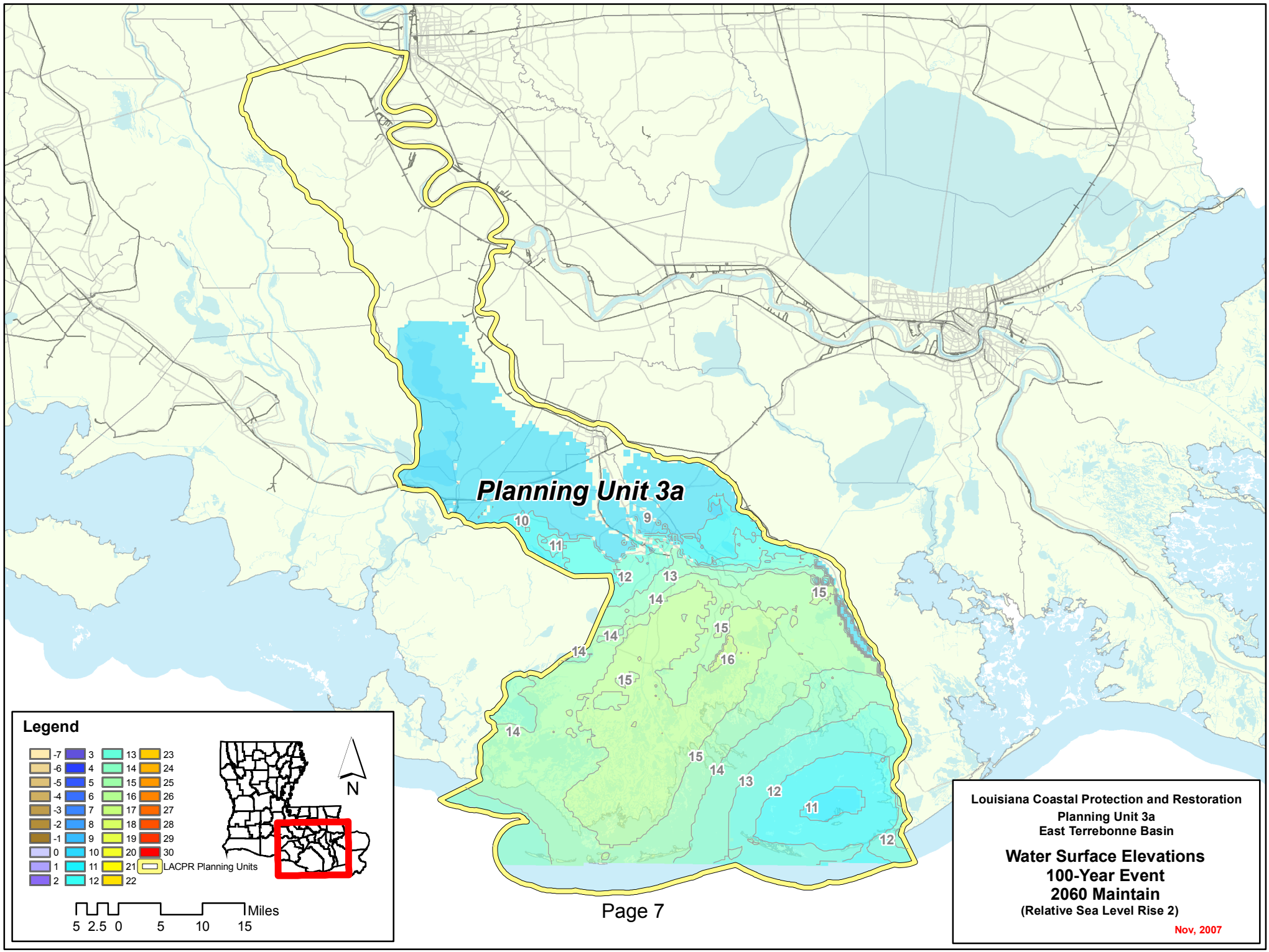
LACPR Planning Units
N
Miles
5 2.5 0 5 10 15
Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin
Water Depths
1000-Year Event
2010 Base Conditions
Nov, 2007


Planning Unit 3a
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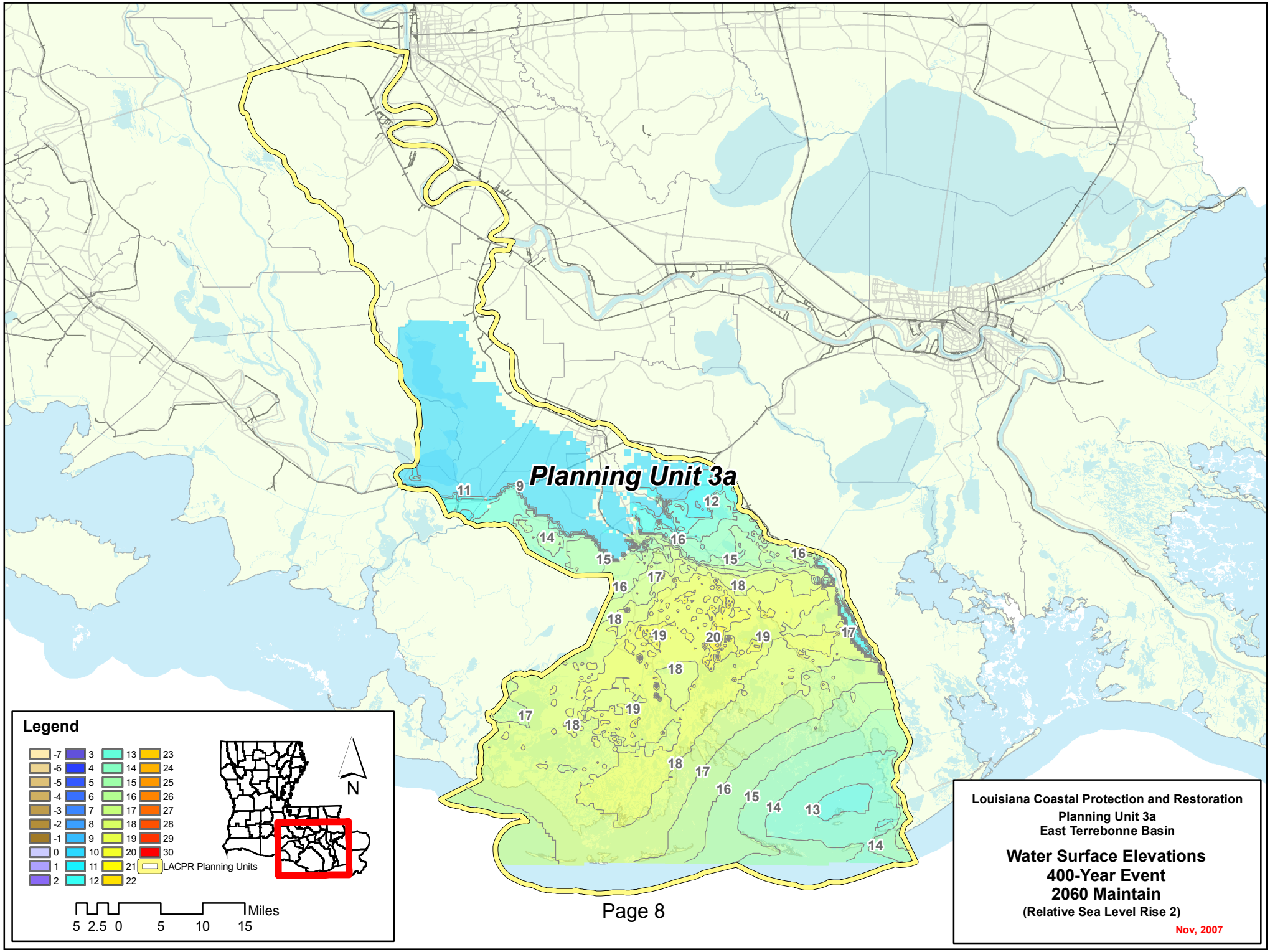
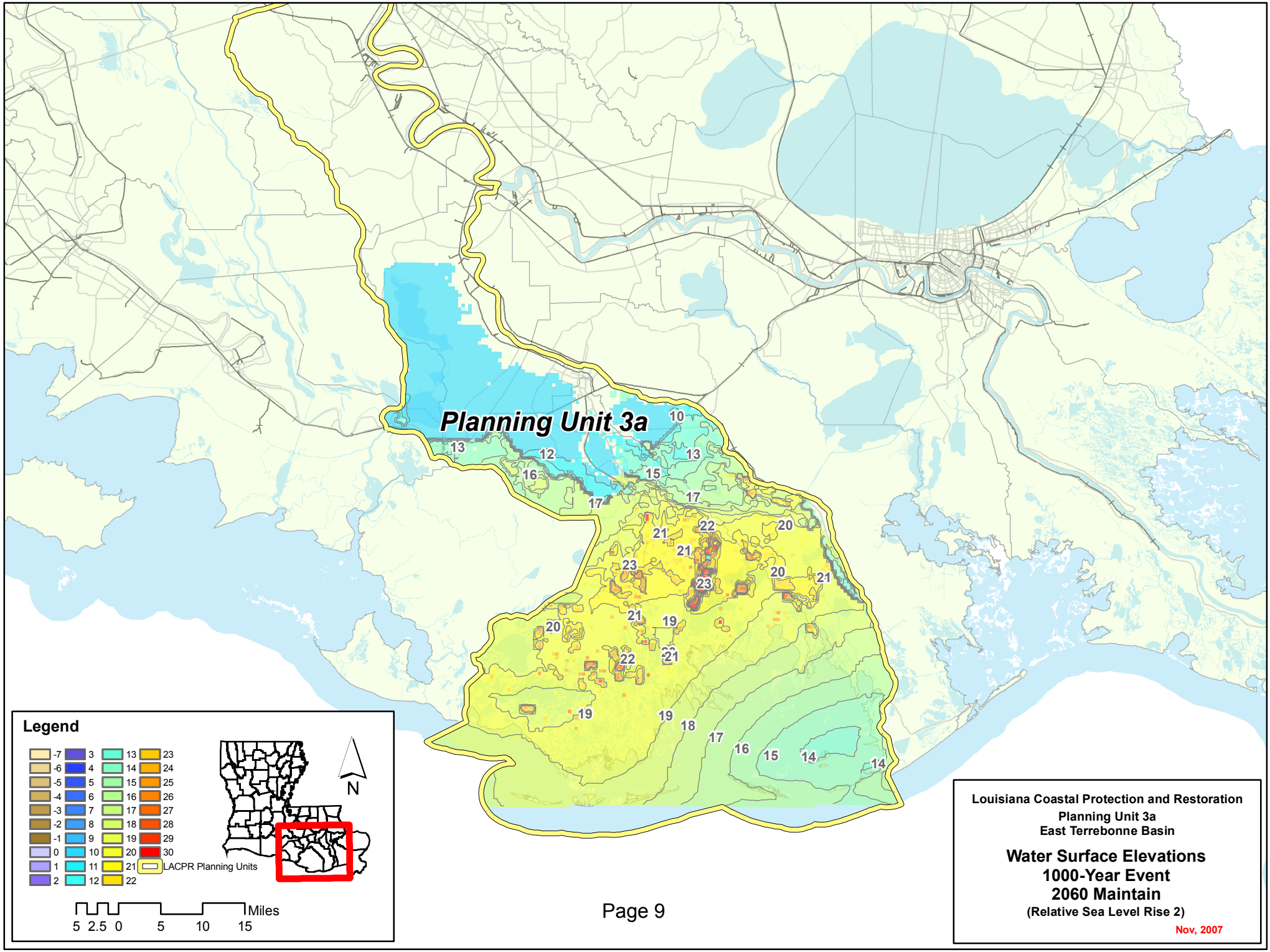
12
Legend
-7 -6 -5 -4 -3 -2 -1 0 1 2
3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30
LACPR Planning Units
N
Miles
5 2.5 0 5 10 15
Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin
Water Surface Elevations
100-Year Event
2060 Maintain
(Relative Sea Level Rise 2)
Nov, 2007



Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin

Water Surface Elevations
400-Year Event
2060 Maintain
(Relative Sea Level Rise 2)

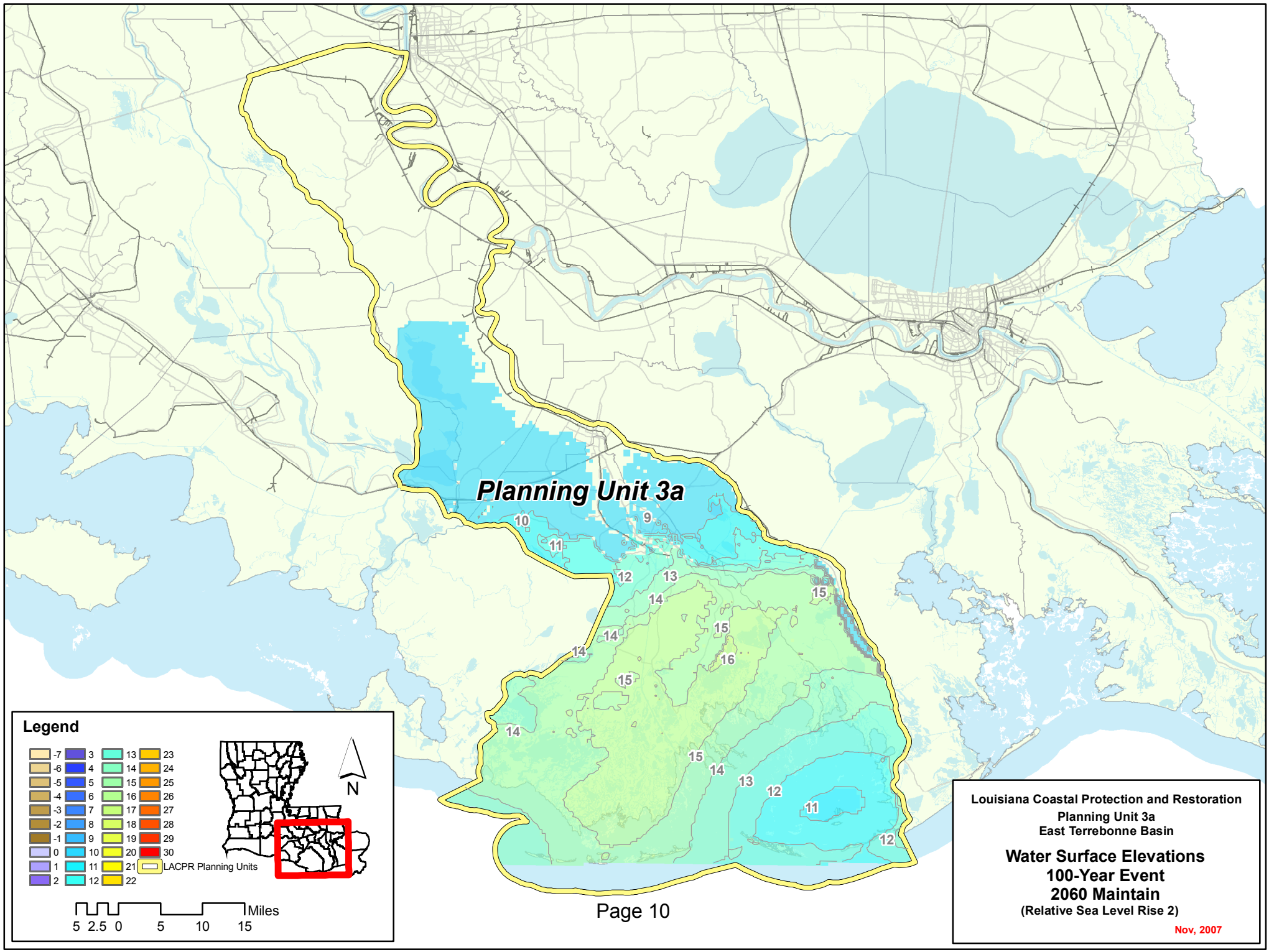
Nov, 2007



Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin

Water Surface Elevations
1000-Year Event
2060 Maintain
(Relative Sea Level Rise 2)

Nov, 2007


Planning Unit 3a
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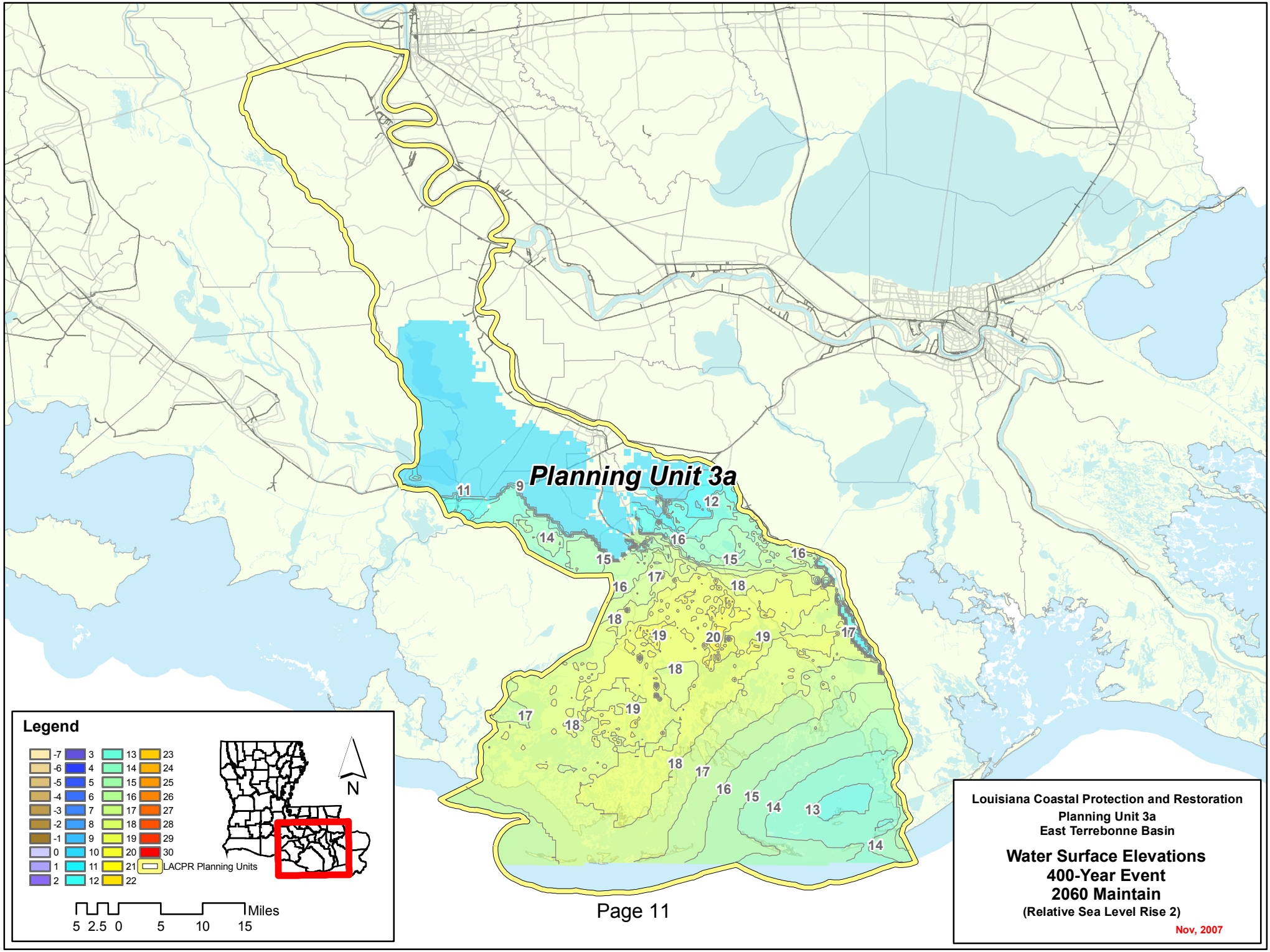
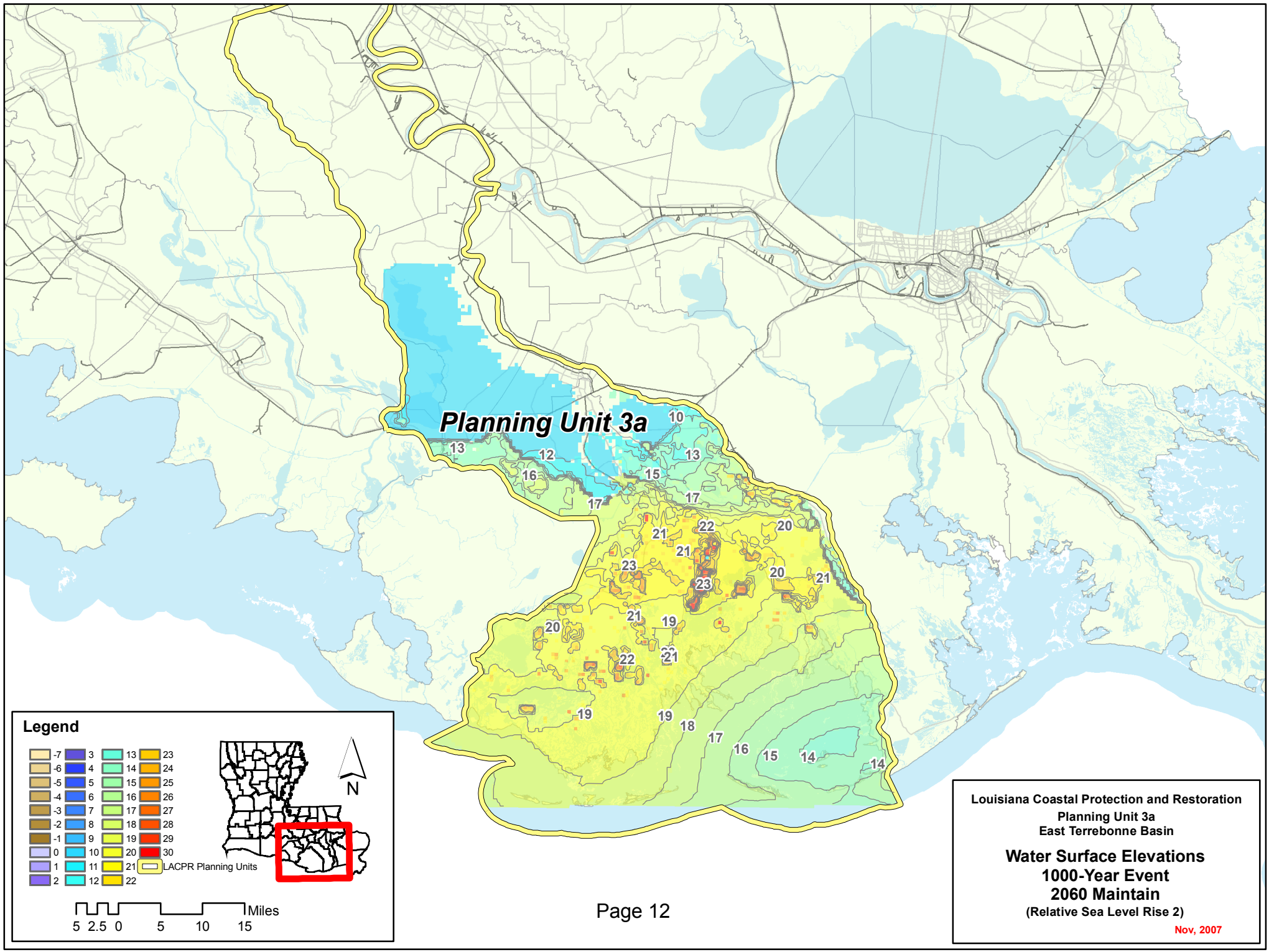
Legend
-7 -6 -5 -4 -3 -2 -1 0 1 2
3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30
LACPR Planning Units
N
5 2.5 0 5 10 15
Miles
Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin
Water Surface Elevations
100-Year Event
2060 Maintain
(Relative Sea Level Rise 2)
Nov, 2007



Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin

Water Surface Elevations
400-Year Event
2060 Maintain
(Relative Sea Level Rise 2)

Nov, 2007



Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin

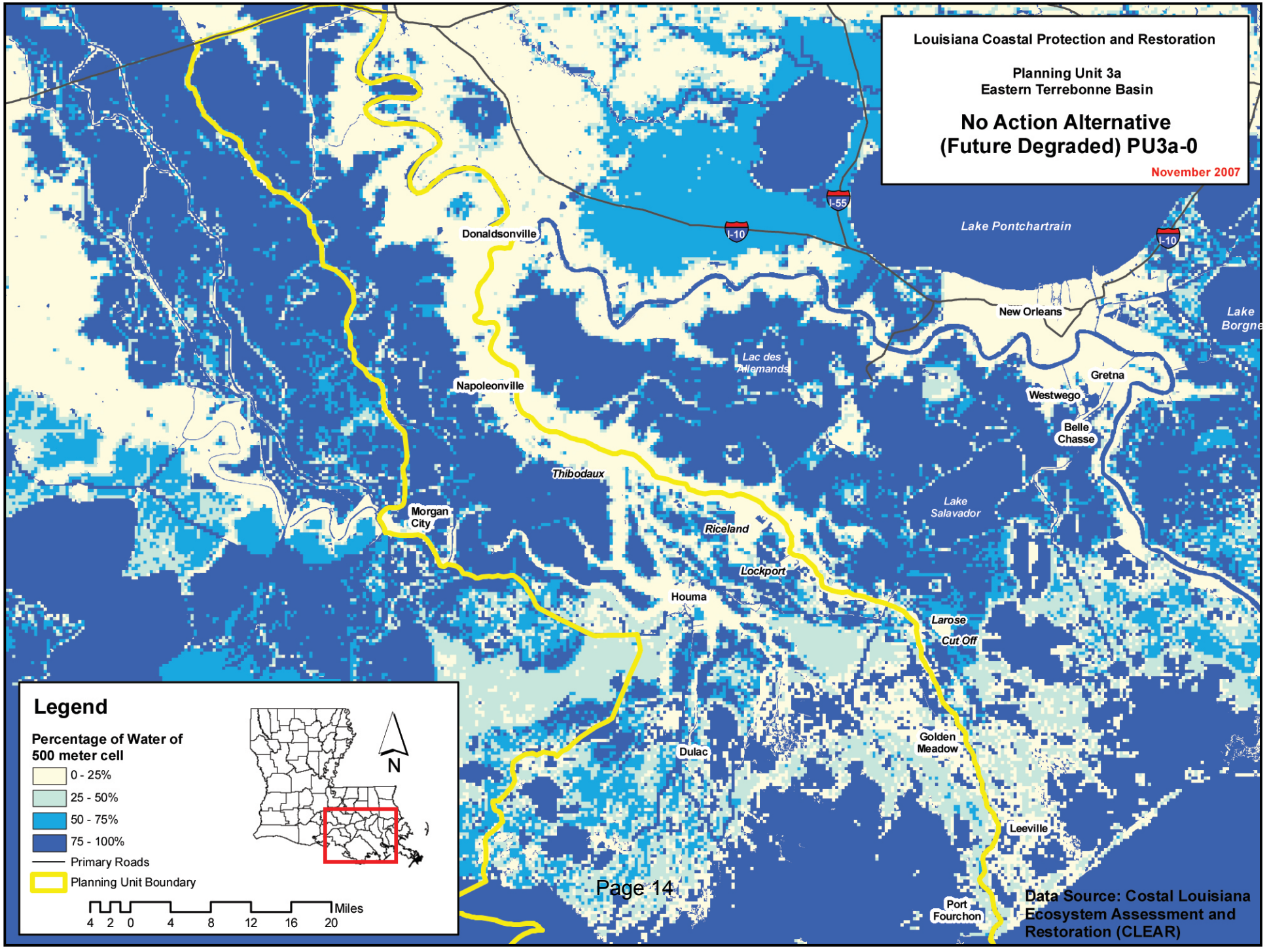
Water Surface Elevations
1000-Year Event
2060 Maintain
(Relative Sea Level Rise 2)

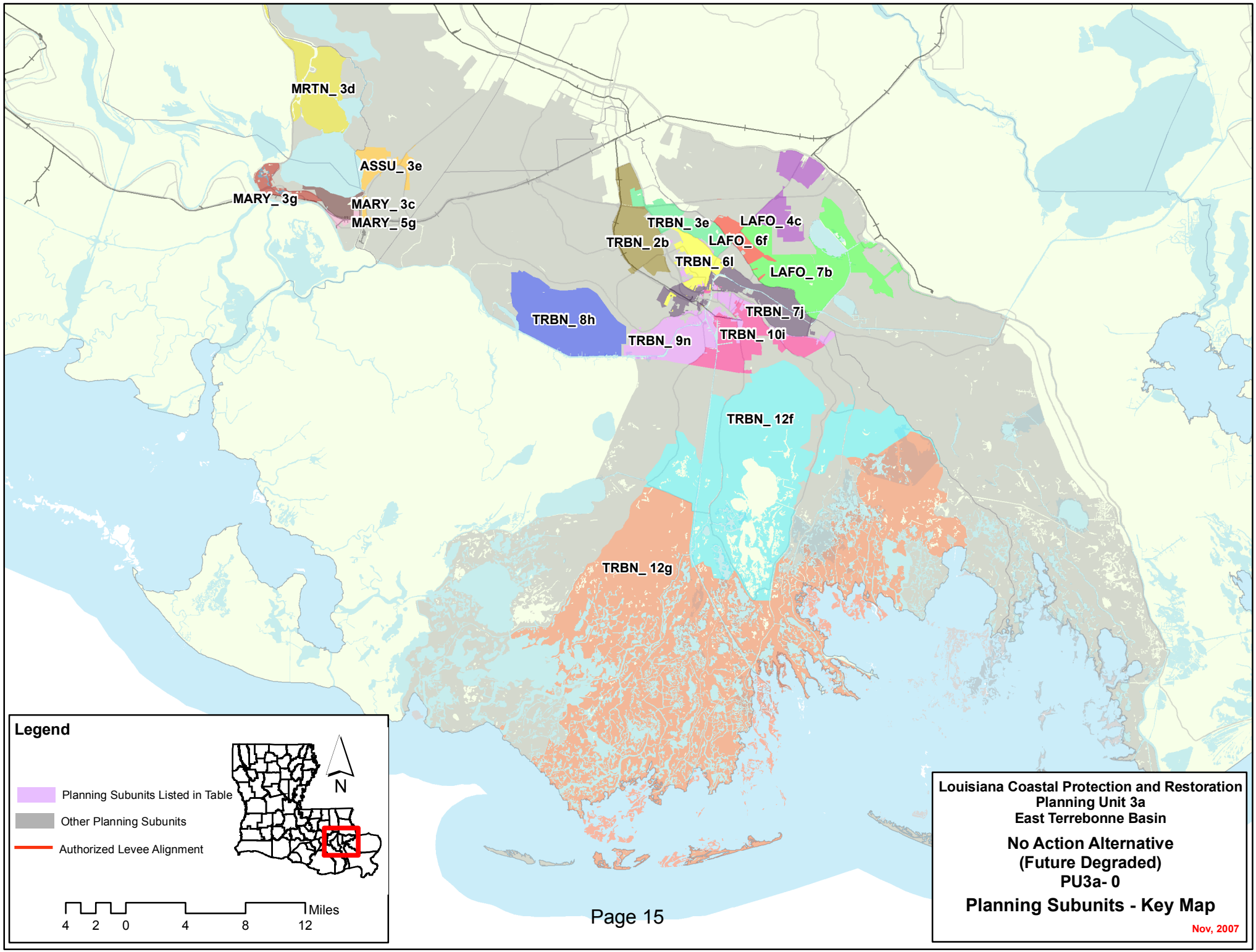
Nov, 2007

Planning Unit:	3a	**Alt. No.**	PU3a-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	19,249	1,066,147	1,740,695	4,494	322,739	72	0	0
	Mean	0.00	30,460	2,098,593	2,914,793	8,748	577,497	82	4	0
	High	0.00	32,922	2,712,392	3,465,254	11,253	704,115	92	7	1
Scenario 2	**Low**	0.00	20,879	1,230,720	2,065,535	5,333	390,721	72	0	0
	Mean	0.00	30,859	2,246,721	3,124,617	9,364	629,573	82	3	0
	High	0.00	32,993	2,828,418	3,638,089	11,845	750,265	92	5	1
Scenario 3	**Low**	0.00	16,186	923,438	1,521,681	3,971	280,737	72	0	0
	Mean	0.00	25,896	1,805,353	2,506,913	7,631	484,084	82	4	0
	High	0.00	28,945	2,339,996	3,012,990	9,842	600,986	92	7	1
Scenario 4	**Low**	0.00	17,308	1,070,720	1,812,155	4,741	345,061	72	0	0
	Mean	0.00	26,250	1,950,228	2,715,901	8,254	538,886	82	3	0
	High	0.00	29,006	2,459,937	3,154,710	10,335	639,541	92	5	1

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							
		PV Cost of Structural Component ($ Billions)	N/A	N/A			


Louisiana Coastal Protection and Restoration
Planning Unit 3a
Eastern Terrebonne Basin
No Action Alternative
(Future Degraded) PU3a-0
November 2007
Lake Pontchartrain
Lake Borgne
New Orleans
Gretna
Westwego
Belle Chasse
Donaldsonville
Napoleonville
Lac des Allemands
Thibodaux
Morgan City
Riceland
Lockport
Houma
Lake Salavador
Larose
Cut Off
Golden Meadow
Dulac
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)


MRTN_ 3d
ASSU_ 3e
MARY_ 3g
MARY_ 3c
MARY_ 5g
TRBN_ 3e
LAFO_ 4c
TRBN_ 2b
LAFO_ 6f
TRBN_ 6l
LAFO_ 7b
TRBN_ 7j
TRBN_ 8h
TRBN_ 9n
TRBN_ 10i
TRBN_ 12f
TRBN_ 12g
Legend
Planning Subunits Listed in Table
Other Planning Subunits
Authorized Levee Alignment
N
Miles
4 2 0 4 8 12
Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin
No Action Alternative
(Future Degraded)
PU3a- 0
Planning Subunits - Key Map
Nov, 2007

Alternative: PU3a-0

Water Surface Elevations (feet - NAVD88 2004.65)

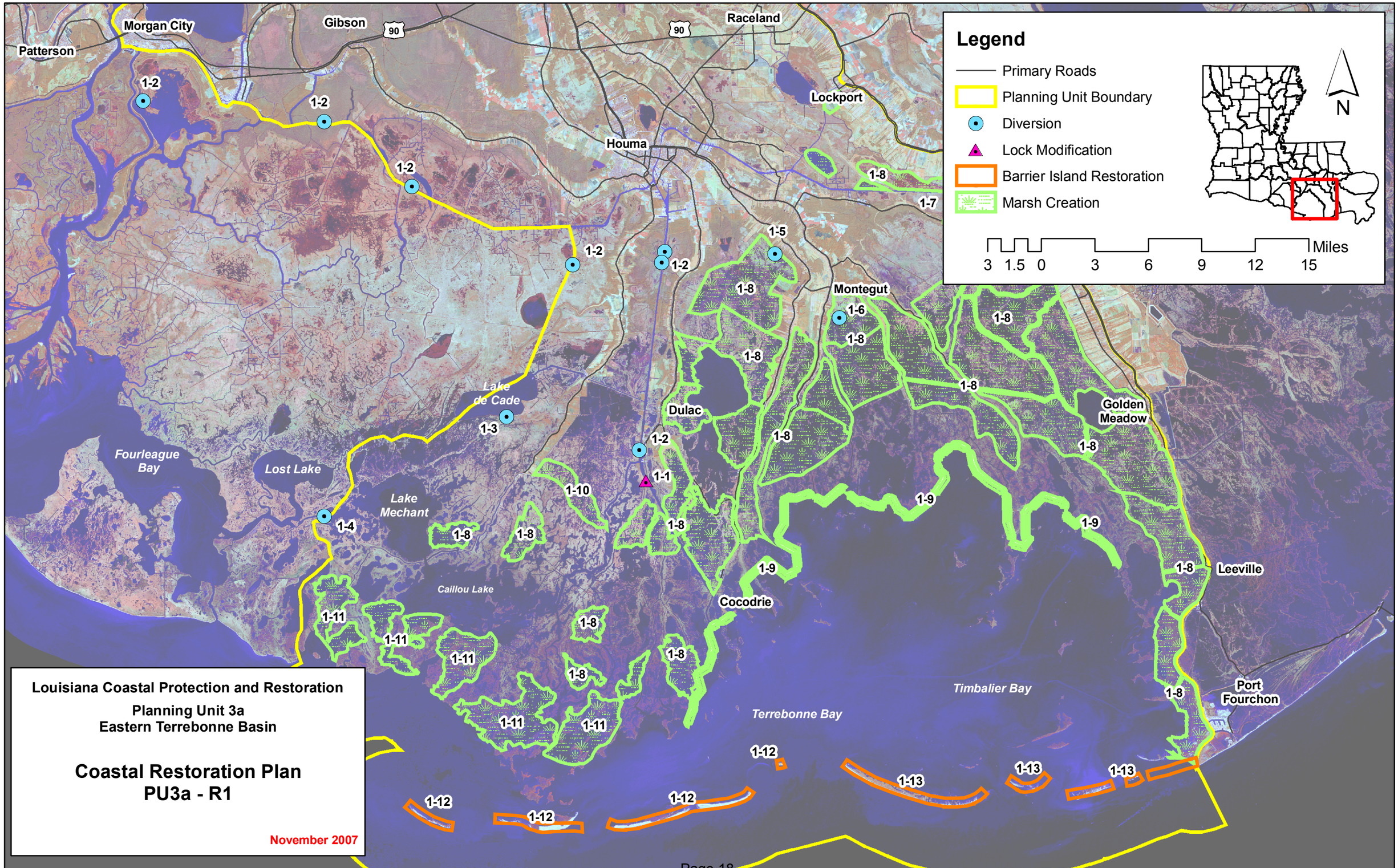
Planning Sub Unit	2010 (Base) Conditions						2060 (Future) Conditions					
	100-yr Event		400-year Event		1,000-yr Event		100-yr Event		400-year Event		1,000-yr Event	
	Without Project	With Project	Without Project	With Project	Without Project	With Project	Without Project	With Project	Without Project	With Project	Without Project	With Project
ASSU_ 3e	7.8		7.8		7.8		11.0		11.0		11.0	
LAFO_ 4c	7.8		7.8		10.0		11.0		11.0		13.1	
LAFO_ 6f	8.4		13.4		16.7		11.7		16.6		19.8	
LAFO_ 7b	7.8		11.5		13.6		11.2		14.7		16.7	
MARY_ 2f	7.8		7.8		7.8		11.0		11.0		11.0	
MARY_ 3c	7.8		7.8		7.8		11.0		11.0		11.0	
MARY_ 3g	7.8		7.8		7.8		11.0		11.0		11.0	
MARY_ 5g	7.8		9.9		12.0		11.0		13.9		15.6	
MRTN_ 3d	7.8		7.8		7.8		11.0		11.0		11.4	
TRBN_ 10i	11.2		16.1		19.5		14.7		19.1		22.6	
TRBN_ 12f	13.5		18.0		20.8		16.4		20.3		22.8	
TRBN_ 12g	13.2		16.9		19.0		16.4		19.6		21.7	
TRBN_ 2b	7.8		7.9		9.3		17.9		28.5		32.9	
TRBN_ 3e	7.8		7.9		9.3		11.0		11.3		12.7	
TRBN_ 6l	7.8		8.8		10.5		11.0		12.2		13.9	
TRBN_ 7j	9.3		14.0		16.3		13.6		19.5		22.1	
TRBN_ 8h	9.7		14.5		17.4		13.8		18.8		21.7	
TRBN_ 9n	8.4		12.1		14.1		12.6		17.6		20.0	

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

Planning Unit:	3a	**Alt. No.**	PU3a-R1	**Category**	Coastal Restoration Only
Alternative Description:	Sustain coastal landscape through restoration including shoreline protection, marsh creation, and diversions.				
Coastal Component:	R1			**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**		18,742	1,018,109	1,692,466	4,303	308,791	72	0	0
	Mean	23.28	30,448	2,078,706	2,896,164	8,697	571,507	82	4	0
	High		32,922	2,692,516	3,425,295	11,191	699,175	92	7	1
Scenario 2	**Low**		20,553	1,179,988	1,967,106	4,977	368,030	72	0	0
	Mean	23.70	30,858	2,232,032	3,085,066	9,302	624,770	82	3	0
	High		32,993	2,815,986	3,637,819	11,845	750,229	92	5	1
Scenario 3	**Low**		15,663	880,497	1,474,101	3,773	265,138	72	0	0
	Mean	23.28	25,883	1,783,864	2,488,068	7,569	477,165	82	4	0
	High		28,945	2,317,795	2,980,732	9,790	596,768	92	7	1
Scenario 4	**Low**		16,855	1,020,407	1,722,295	4,433	324,434	72	0	0
	Mean	23.70	26,250	1,934,219	2,682,369	8,192	533,901	82	3	0
	High		29,006	2,446,584	3,154,497	10,335	639,513	92	5	1

Other Metric Results							
Construction Time (years)	25	**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		107,662	110,019		N/A	N/A
Indirect Impacts	N/A	**PV Cost of Coastal Component ($ Billions)**	23.28	23.70			
Spatial Integrity	0.525						
		PV Cost of Structural Component ($ Billions)	N/A	N/A			


Legend
Primary Roads
Planning Unit Boundary
Diversion
Lock Modification
Barrier Island Restoration
Marsh Creation
N
3 1.5 0 3 6 9 12 15 Miles
Morgan City
Patterson
Gibson
90
Raceland
Lockport
Houma
Montegut
Dulac
Golden Meadow
Leeville
Port Fourchon
Cocodrie
Lake de Cade
Fourleague Bay
Lost Lake
Lake Mechant
Caillou Lake
Terrebonne Bay
Timbalier Bay
1-1
1-2
1-3
1-4
1-5
1-6
1-7
1-8
1-9
1-10
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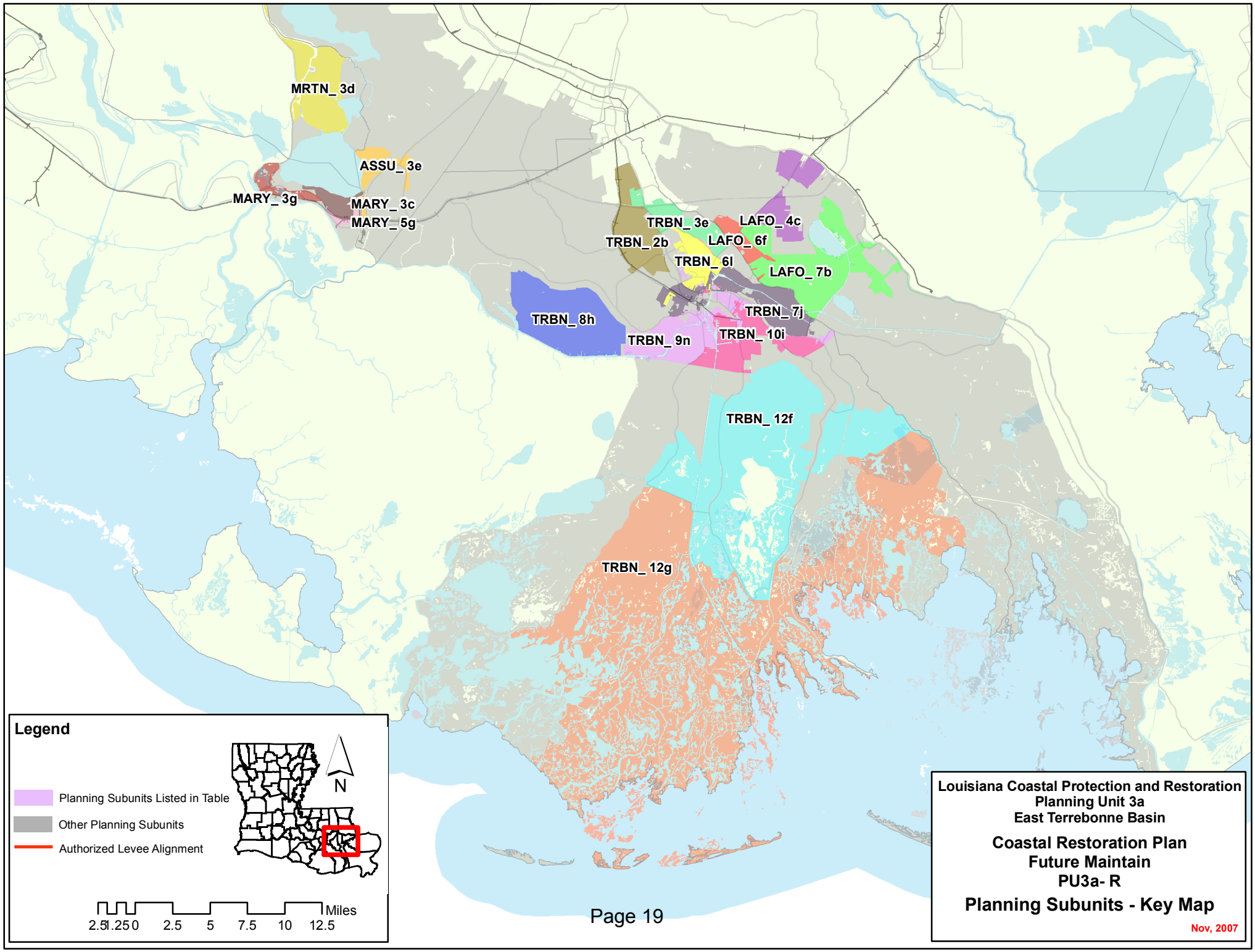
1-13
Louisiana Coastal Protection and Restoration
Planning Unit 3a
Eastern Terrebonne Basin
Coastal Restoration Plan
PU3a - R1
November 2007


MRTN_ 3d
ASSU_ 3e
MARY_ 3g
MARY_ 3c
MARY_ 5g
TRBN_ 3e
LAFO_ 4c
TRBN_ 2b
LAFO_ 6f
TRBN_ 6l
LAFO_ 7b
TRBN_ 8h
TRBN_ 7j
TRBN_ 9n
TRBN_ 10i
TRBN_ 12f
TRBN_ 12g
Legend
Planning Subunits Listed in Table
Other Planning Subunits
Authorized Levee Alignment
N
Miles
2.5 1.25 0 2.5 5 7.5 10 12.5
Louisiana Coastal Protection and Restoration
Planning Unit 3a
East Terrebonne Basin
Coastal Restoration Plan
Future Maintain
PU3a- R
Planning Subunits - Key Map
Nov, 2007

Alternative: PU3a-R1
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
ASSU_ 3e	7.8	7.8	7.8	7.8	7.8	7.8	11.0	11.0	11.0	11.0	11.0	11.0
LAFO_ 4c	7.8	7.8	7.8	7.8	10.0	10.0	11.0	11.0	11.0	11.0	13.1	13.1
LAFO_ 6f	8.4	8.4	13.4	13.4	16.7	16.7	11.7	11.7	16.6	16.6	19.8	19.8
LAFO_ 7b	7.8	7.8	11.5	11.5	13.6	13.6	11.2	11.2	14.7	14.7	16.7	16.7
MARY_ 2f	7.8	7.8	7.8	7.8	7.8	7.8	11.0	11.0	11.0	11.0	11.0	11.0
MARY_ 3c	7.8	7.8	7.8	7.8	7.8	7.8	11.0	11.0	11.0	11.0	11.0	11.0
MARY_ 3g	7.8	7.8	7.8	7.8	7.8	7.8	11.0	11.0	11.0	11.0	11.0	11.0
MARY_ 5g	7.8	7.8	9.9	9.9	12.0	12.0	11.0	11.0	13.9	13.1	15.6	15.2
MRTN_ 3d	7.8	7.8	7.8	7.8	7.8	7.8	11.0	11.0	11.0	11.0	11.4	11.0
TRBN_ 10i	11.2	11.2	16.1	16.1	19.5	19.5	14.7	14.4	19.1	19.3	22.6	22.7
TRBN_ 12f	13.5	13.5	18.0	18.0	20.8	20.8	16.4	16.7	20.3	21.2	22.8	24.0
TRBN_ 12g	13.2	13.2	16.9	16.9	19.0	19.0	16.4	16.4	19.6	20.1	21.7	22.2
TRBN_ 2b	7.8	7.8	7.9	7.9	9.3	9.3	17.9	11.0	28.5	11.1	32.9	12.5
TRBN_ 3e	7.8	7.8	7.9	7.9	9.3	9.3	11.0	11.0	11.3	11.1	12.7	12.5
TRBN_ 6l	7.8	7.8	8.8	8.8	10.5	10.5	11.0	11.0	12.2	21.0	13.9	13.7
TRBN_ 7j	9.3	9.3	14.0	14.0	16.3	16.3	13.6	12.5	19.5	17.2	22.1	19.5
TRBN_ 8h	9.7	9.7	14.5	14.5	17.4	17.4	13.8	12.9	18.8	17.7	21.7	20.6
TRBN_ 9n	8.4	8.4	12.1	12.1	14.1	14.1	12.6	11.6	17.6	15.3	20.0	17.3

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