

Planning Unit:	1	Alt. No.	PU1-C-HL-a-100-2	Category	Comprehensive (Coastal + Structural + Nonstructural)				
Alternative Description:	Comprehensive plan--Same as Alternative PU1-HL-a-100-2 but with complementary nonstructural measures to reduce residual risk.								
Coastal Component:	R2 (pulsed diversions)				Nonstructural Component:	See alternative description.			
Structural Component:	See alternative description.								

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		49,098	909,115	682,868	3,321	195,135	243
Mean	31.10		51,795	1,104,183	889,667	4,079	246,087	273	143	50
High			56,809	1,598,128	1,415,397	6,037	379,588	303	152	51
Scenario 2	Low		49,365	931,461	723,166	3,441	205,864	243	126	40
	Mean	31.36	52,310	1,149,623	948,059	4,236	260,369	273	134	48
	High		57,411	1,697,007	1,635,636	6,573	429,355	303	146	51
Scenario 3	Low		41,175	888,209	475,403	2,669	147,760	243	131	43
	Mean	30.02	43,929	1,079,582	659,192	3,408	196,511	273	143	50
	High		48,518	1,539,413	1,139,105	5,332	323,246	303	152	51
Scenario 4	Low		41,351	907,938	509,661	2,769	157,240	243	126	40
	Mean	30.29	44,297	1,114,980	707,461	3,540	208,940	273	134	48
	High		48,953	1,623,793	1,325,793	5,739	362,178	303	146	51

Other Metric Results							
Construction Time (years)	12	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)	-4,686		214,687	220,284		3.71	2.63
Indirect Impacts	-2	PV Cost of Coastal Component (\$ Billions)	10.67	10.90			
Spatial Integrity	0.478		PV Cost of Structural Component (\$ Billions)	16.72		16.76	

Louisiana Coastal Protection and Restoration
 Planning Unit 1
 Pontchartrain Basin
**Comprehensive
 High Level Plan**
PU1 - C - HL - a - 100 - 2
 (100-Year Design Level)

November 2007

Legend

- Primary Roads
- Planning Unit 1
- New Levees & Existing Levee Modifications
- Authorized 100-Year Levee
- Bonnet Carre Spillway

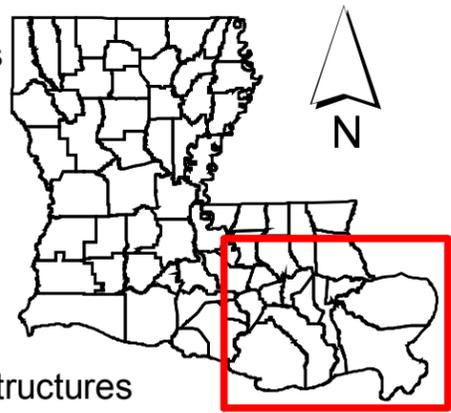
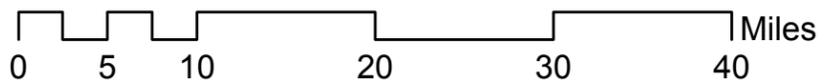
Voluntary Nonstructural Measures

Inundation Zones:

- Water Depths <14 feet, Raise-In-Place of Structures
- Water Depths >14 feet, Buyout of Structures

Velocity Zones:

- Buyout of Structures



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:	1	Alt. No.	PU1-C-HL-a-100-3	Category	Comprehensive (Coastal + Structural + Nonstructural)				
Alternative Description:	Comprehensive plan--Same as Alternative PU1-HL-a-100-3 but with complementary nonstructural measures to reduce residual risk.								
Coastal Component:	R2 (pulsed diversions)			Nonstructural Component:			See alternative description.		
Structural Component:	See alternative description.								

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		49,822	901,383	684,301	3,318	195,865	241
Mean	28.83		52,814	1,102,374	923,392	4,193	257,440	271	133	50
High			57,848	1,600,640	1,455,907	6,167	392,775	301	137	51
Scenario 2	Low		50,205	931,068	762,888	3,562	218,876	241	124	40
	Mean	29.08	53,460	1,162,270	994,773	4,383	275,315	271	128	48
	High		58,647	1,714,288	1,686,340	6,750	446,273	301	134	51
Scenario 3	Low		41,526	882,214	473,510	2,655	147,593	241	126	43
	Mean	27.66	44,474	1,077,021	676,326	3,455	201,692	271	133	50
	High		49,102	1,540,578	1,159,731	5,393	329,748	301	137	51
Scenario 4	Low		41,757	906,635	529,603	2,817	163,322	241	124	40
	Mean	27.91	44,901	1,120,080	733,465	3,617	217,208	271	128	48
	High		49,622	1,632,868	1,353,696	5,834	371,613	301	134	51

Other Metric Results								
Construction Time (years)	12	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)	-3,642		214,687	220,284				
Indirect Impacts	-1	PV Cost of Coastal Component (\$ Billions)	10.67	10.90				
Spatial Integrity	0.478		PV Cost of Structural Component (\$ Billions)	13.95	13.97			

Louisiana Coastal Protection and Restoration
 Planning Unit 1
 Pontchartrain Basin
**Comprehensive
 High Level Plan**
PU1 - C - HL - a - 100 - 3
 (100-Year Design Level)

November 2007

Legend

- Primary Roads
- ▭ Planning Unit 1
- New Levees & Existing Levee Modifications
- Authorized 100-Year Levee
- Bonnet Carre Spillway

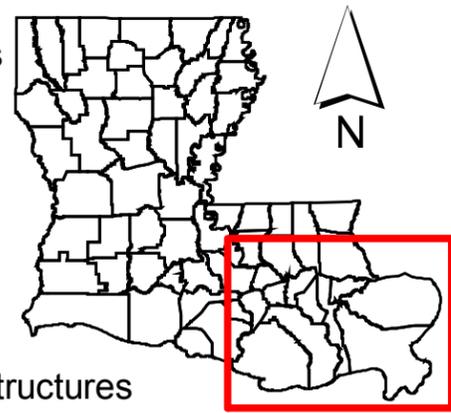
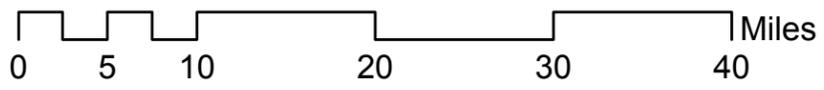
Voluntary Nonstructural Measures

Inundation Zones:

- ▭ Water Depths <14 feet, Raise-In-Place of Structures
- ▭ Water Depths >14 feet, Buyout of Structures

Velocity Zones:

- ▭ Buyout of Structures



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:	1	Alt. No.	PU1-C-HL-b-400-3	Category	Comprehensive (Coastal + Structural + Nonstructural)				
Alternative Description:	Comprehensive plan--Same as Alternative PU1-HL-b-400-3 but with complementary nonstructural measures to reduce residual risk.								
Coastal Component:	R2 (pulsed diversions)			Nonstructural Component:			See alternative description.		
Structural Component:	See alternative description.								

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		49,941	928,671	701,480	3,405	199,572	243
Mean	59.14		52,412	1,083,207	874,781	4,028	241,957	273	143	50
High			56,448	1,417,144	1,240,995	5,443	339,232	303	143	51
Scenario 2	Low		50,387	951,933	745,393	3,541	211,767	243	133	45
	Mean	59.54	53,253	1,129,875	951,849	4,239	261,413	273	141	49
	High		57,482	1,534,730	1,568,099	6,257	414,095	303	143	51
Scenario 3	Low		42,092	921,651	494,374	2,793	155,154	243	140	48
	Mean	57.77	44,552	1,081,660	643,545	3,399	195,281	273	143	50
	High		48,261	1,409,646	976,831	4,810	288,654	303	143	51
Scenario 4	Low		42,380	945,768	532,743	2,911	166,156	243	133	45
	Mean	58.17	45,138	1,125,144	705,278	3,574	211,770	273	141	49
	High		48,969	1,523,587	1,251,677	5,419	346,405	303	143	51

Other Metric Results							
Construction Time (years)	16	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)	-5,661		214,687	220,284		5.20	3.83
Indirect Impacts	-1	PV Cost of Coastal Component (\$ Billions)	10.67	10.90			
Spatial Integrity	0.478		PV Cost of Structural Component (\$ Billions)	43.27		43.45	

Louisiana Coastal Protection and Restoration
 Planning Unit 1
 Pontchartrain Basin
**Comprehensive
 High Level Plan**
PU1 - C - HL - b - 400 - 3
 (400-Year Design Level)

November 2007

Legend

- Primary Roads
- ▭ Planning Unit 1
- New Levees & Existing Levee Modifications
- Authorized 100-Year Levee
- Bonnet Carre Spillway

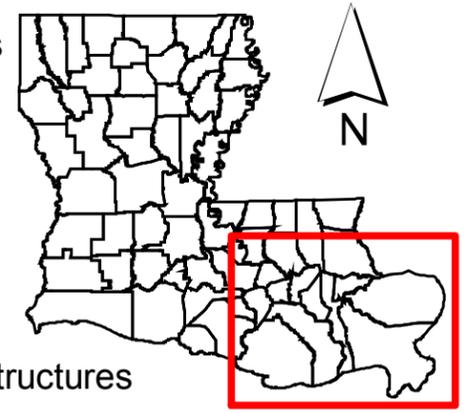
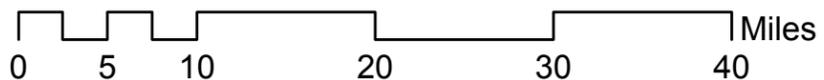
Voluntary Nonstructural Measures

Inundation Zones:

- ▭ Water Depths <14 feet, Raise-In-Place of Structures
- ▭ Water Depths >14 feet, Buyout of Structures

Velocity Zones:

- ▭ Buyout of Structures

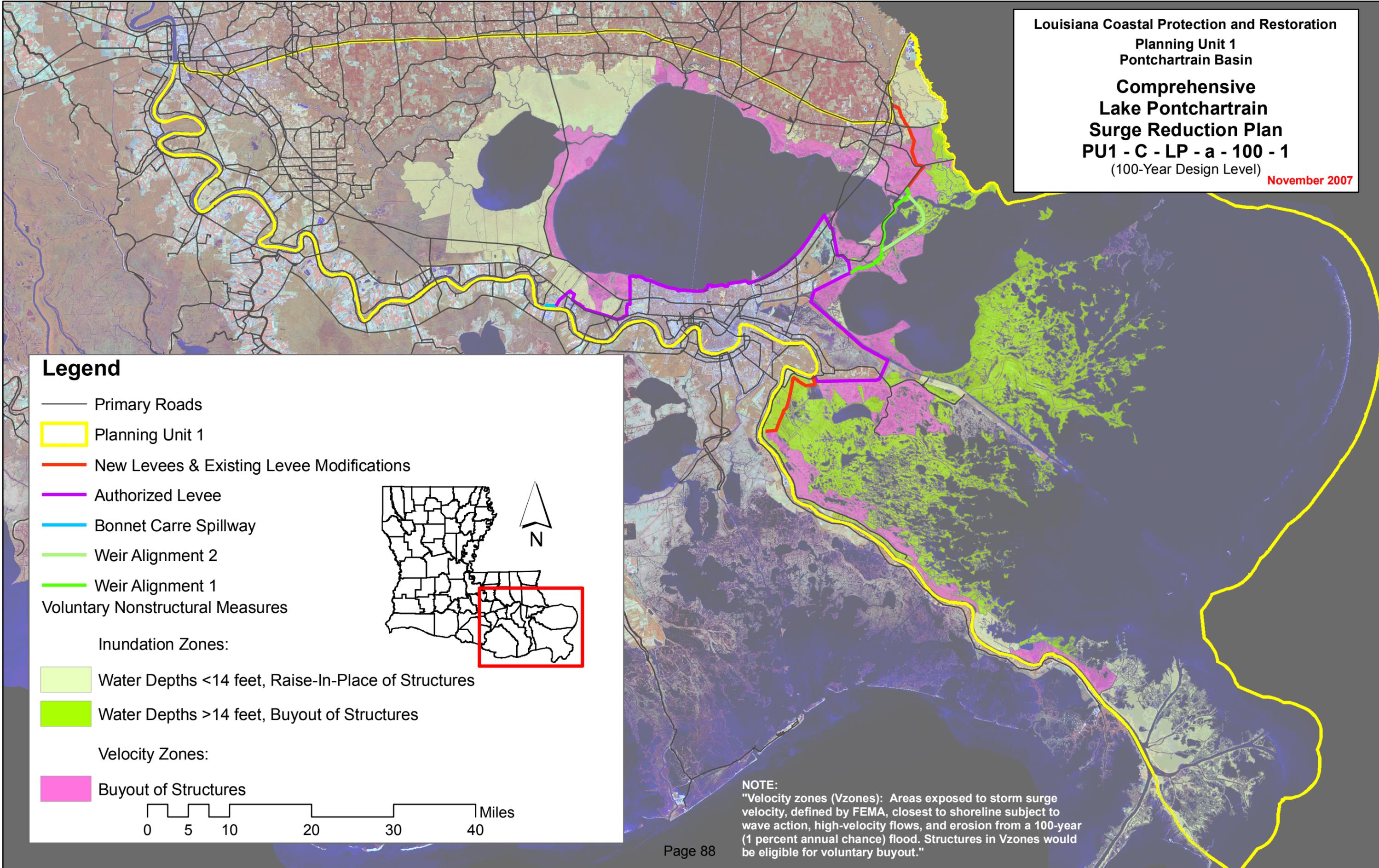


NOTE:
 "Velocity zones (Vzones): Areas exposed to storm surge velocity, defined by FEMA, closest to shoreline subject to wave action, high-velocity flows, and erosion from a 100-year (1 percent annual chance) flood. Structures in Vzones would be eligible for voluntary buyout."

Planning Unit:	1	Alt. No.	PU1-C-LP-a-100-1	Category	Comprehensive (Coastal + Structural + Nonstructural)				
Alternative Description:	Comprehensive plan--Same as Alternative PU1-LP-a-100-1 but with complementary nonstructural measures to reduce residual risk.								
Coastal Component:	R2 (pulsed diversions)			Nonstructural Component:	See alternative description.				
Structural Component:	See alternative description.								

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		50,527	899,563	704,262	3,346	200,338	201	127	43
	Mean	22.80	54,162	1,097,329	950,122	4,223	265,158	231	133	50
	High		59,599	1,577,385	1,516,670	6,277	408,468	261	140	51
Scenario 2	Low		51,545	948,512	802,801	3,641	227,860	201	123	40
	Mean	23.13	55,567	1,193,857	1,106,408	4,658	303,003	231	129	45
	High		61,057	1,755,447	1,861,033	7,151	487,821	261	136	51
Scenario 3	Low		42,768	870,336	491,099	2,676	151,056	201	127	43
	Mean	22.36	46,363	1,063,425	719,810	3,531	213,878	231	133	50
	High		51,447	1,512,862	1,224,750	5,503	347,570	261	140	51
Scenario 4	Low		43,509	914,931	581,833	2,946	177,171	201	123	40
	Mean	22.70	47,493	1,147,549	846,634	3,921	249,128	231	129	45
	High		52,606	1,673,767	1,515,488	6,222	414,768	261	136	51

Other Metric Results							
Construction Time (years)	14	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)	-980			214,687		220,284	
Indirect Impacts	-8	PV Cost of Coastal Component (\$ Billions)	10.67	10.90			
Spatial Integrity	0.478						
		PV Cost of Structural Component (\$ Billions)	7.03	7.14			



Legend

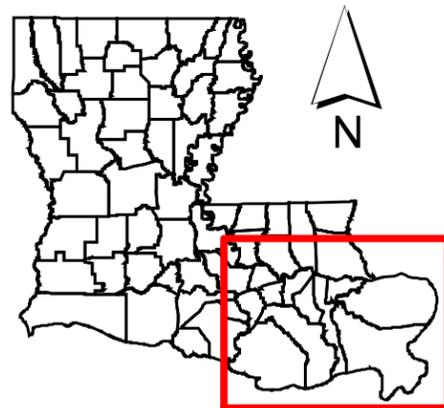
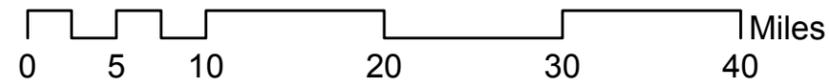
- Primary Roads
- Planning Unit 1
- New Levees & Existing Levee Modifications
- Authorized Levee
- Bonnet Carre Spillway
- Weir Alignment 2
- Weir Alignment 1
- Voluntary Nonstructural Measures

Inundation Zones:

- Water Depths <14 feet, Raise-In-Place of Structures
- Water Depths >14 feet, Buyout of Structures

Velocity Zones:

- Buyout of Structures



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:	1	Alt. No.	PU1-C-LP-a-100-2	Category	Comprehensive (Coastal + Structural + Nonstructural)				
Alternative Description:	Comprehensive plan--Same as Alternative PU1-LP-a-100-2 but with complementary nonstructural measures to reduce residual risk.								
Coastal Component:	R2 (pulsed diversions)			Nonstructural Component:			See alternative description.		
Structural Component:	See alternative description.								

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		48,932	940,777	706,548	3,416	200,579	201	127	43
	Mean	38.05	51,791	1,147,571	937,410	4,273	259,289	231	133	50
	High		56,460	1,606,348	1,436,244	6,131	387,169	261	143	51
Scenario 2	Low		49,289	968,122	754,881	3,558	213,646	201	123	40
	Mean	38.43	52,456	1,198,816	1,004,435	4,453	276,291	231	128	45
	High		57,225	1,720,095	1,705,246	6,790	447,875	261	138	51
Scenario 3	Low		41,404	921,386	497,414	2,777	154,064	201	127	43
	Mean	37.62	44,287	1,125,259	703,821	3,600	208,944	231	133	50
	High		48,514	1,555,665	1,157,029	5,398	328,446	261	143	51
Scenario 4	Low		41,643	946,234	542,067	2,896	165,521	201	123	40
	Mean	37.99	44,769	1,168,179	758,140	3,750	223,733	231	128	45
	High		49,057	1,657,527	1,383,688	5,894	375,528	261	138	51

Other Metric Results							
Construction Time (years)	14	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)	-4,541		214,687	220,284		5.10	4.66
Indirect Impacts	-8	PV Cost of Coastal Component (\$ Billions)	10.67	10.90			
Spatial Integrity	0.478		PV Cost of Structural Component (\$ Billions)	22.29			

Louisiana Coastal Protection and Restoration
 Planning Unit 1
 Pontchartrain Basin
**Comprehensive
 Lake Pontchartrain
 Surge Reduction Plan**
PU1 - C - LP - a - 100 - 2
 (100-Year Design Level)

November 2007

Legend

- Primary Roads
- Planning Unit 1
- New Levees & Existing Levee Modifications
- Authorized Levee
- Bonnet Carre Spillway
- Weir Alignment 1
- Weir Alignment 2

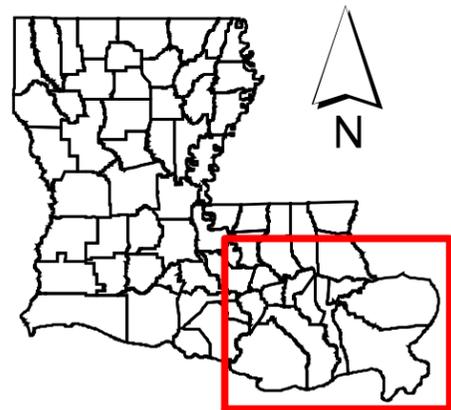
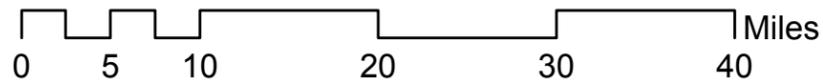
Voluntary Nonstructural Measures

Inundation Zones:

- Water Depths <14 feet, Raise-In-Place of Structures
- Water Depths >14 feet, Buyout of Structures

Velocity Zones:

- Buyout of Structures

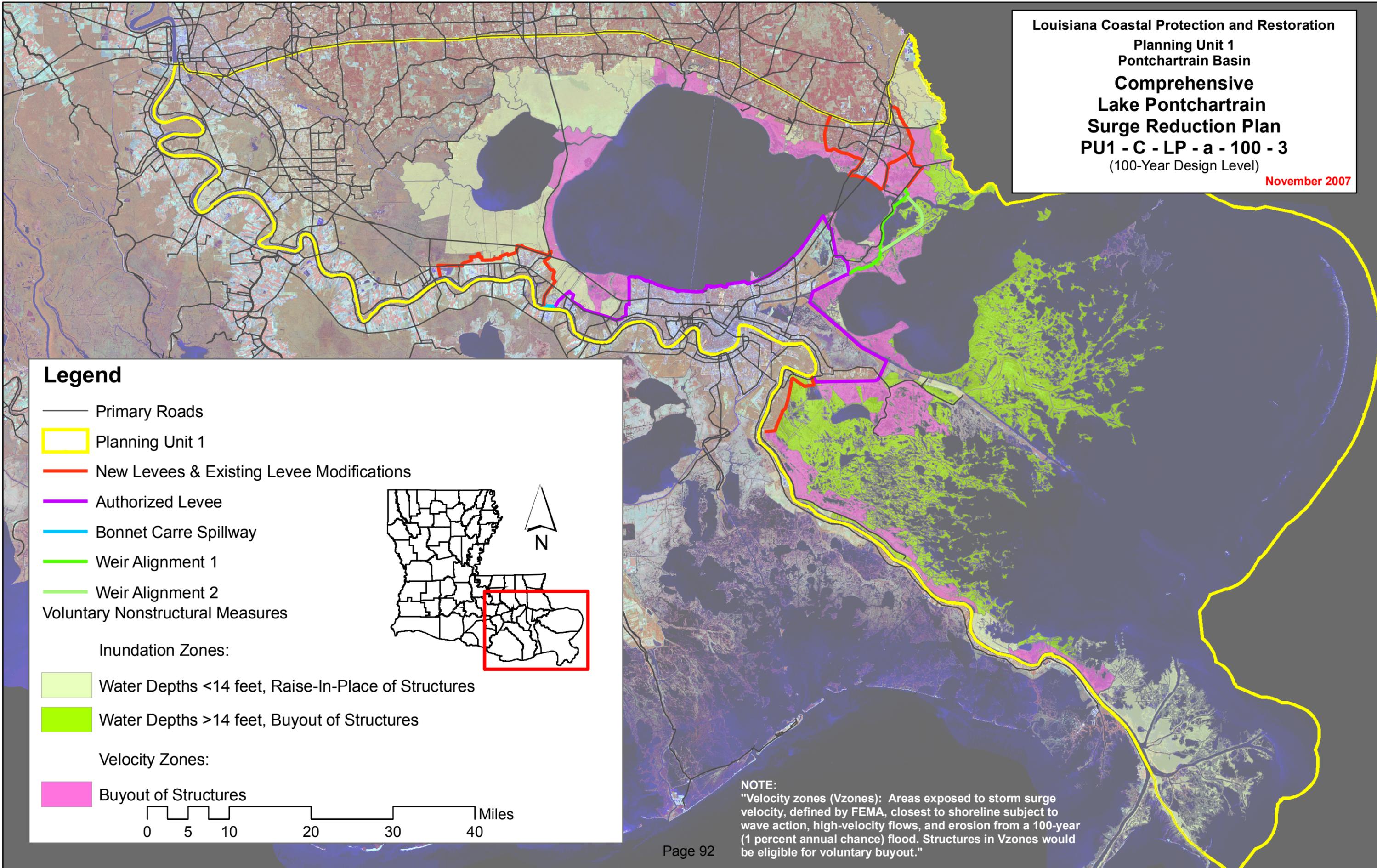


NOTE:
 "Velocity zones (Vzones): Areas exposed to storm surge velocity, defined by FEMA, closest to shoreline subject to wave action, high-velocity flows, and erosion from a 100-year (1 percent annual chance) flood. Structures in Vzones would be eligible for voluntary buyout."

Planning Unit:	1	Alt. No.	PU1-C-LP-a-100-3	Category	Comprehensive (Coastal + Structural + Nonstructural)				
Alternative Description:	Comprehensive plan--Same as Alternative PU1-LP-a-100-3 but with complementary nonstructural measures to reduce residual risk.								
Coastal Component:	R2 (pulsed diversions)			Nonstructural Component:	See alternative description.				
Structural Component:	See alternative description.								

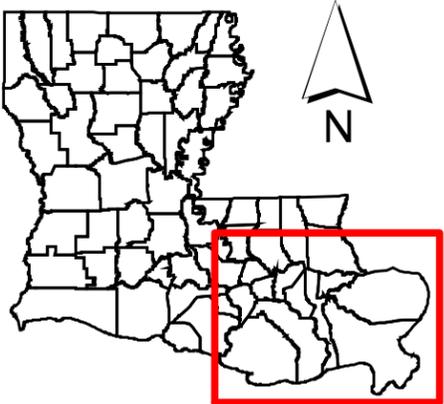
Metric Results by Scenario with Uncertainty Bands										
		Life-cycle Cost	Resident Population Impacted	Residual Damages	Gross Regional Output Impacted	Employment Impacted	People's Earned Income Impacted	Archeo. Sites Protected	Historic Properties Protected	Historic Districts Protected
		\$ Billions	Ann. Equiv. #	Ann. Equiv (\$ 1000's)	Ann. Equiv (\$ 1000's)	Ann. Equiv #	Ann. Equiv (\$ 1000's)	# Sites	# Properties	# Districts
Scenario 1	Low		49,485	935,598	727,062	3,478	207,885	241	127	43
	Mean	35.33	52,492	1,143,869	964,438	4,362	268,837	271	133	50
	High		57,214	1,606,222	1,475,034	6,289	400,816	301	143	51
Scenario 2	Low		49,947	969,249	782,533	3,648	223,262	241	123	40
	Mean	35.75	53,318	1,203,396	1,040,525	4,566	288,389	271	128	45
	High		58,155	1,729,839	1,756,197	6,975	464,682	301	137	51
Scenario 3	Low		41,708	916,422	505,460	2,790	156,641	241	127	43
	Mean	34.89	44,668	1,121,306	715,632	3,628	212,731	271	133	50
	High		48,928	1,554,322	1,179,950	5,480	335,214	301	143	51
Scenario 4	Low		41,982	945,636	553,923	2,924	169,334	241	123	40
	Mean	35.31	45,204	1,169,448	777,060	3,794	229,290	271	128	45
	High		49,547	1,661,715	1,414,763	5,995	384,442	301	137	51

Other Metric Results							
Construction Time (years)	14	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)	-3,668		214,687	220,284		5.10	4.66
Indirect Impacts	-8	PV Cost of Coastal Component (\$ Billions)	10.67	10.90			
Spatial Integrity	0.478		PV Cost of Structural Component (\$ Billions)	19.56		19.75	



Legend

- Primary Roads
- Planning Unit 1
- New Levees & Existing Levee Modifications
- Authorized Levee
- Bonnet Carre Spillway
- Weir Alignment 1
- Weir Alignment 2
- Voluntary Nonstructural Measures

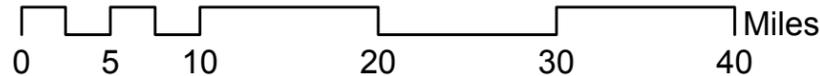


Inundation Zones:

- Water Depths <14 feet, Raise-In-Place of Structures
- Water Depths >14 feet, Buyout of Structures

Velocity Zones:

- Buyout of Structures



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:	1	Alt. No.	PU1-C-LP-b-400-1	Category	Comprehensive (Coastal + Structural + Nonstructural)
Alternative Description:	Comprehensive plan--Same as Alternative PU1-LP-b-400-1 but with complementary nonstructural measures to reduce residual risk.				
Coastal Component:	R2 (pulsed diversions)			Nonstructural Component:	See alternative description.
Structural Component:	See alternative description.				

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		50,407	899,949	658,478	3,216	186,853	203	131	48
	Mean	45.13	53,536	1,029,225	803,553	3,713	223,795	233	137	50
	High		58,319	1,341,109	1,160,327	5,031	317,215	263	142	51
Scenario 2	Low		51,379	925,296	706,840	3,369	200,686	203	129	45
	Mean	45.44	54,953	1,084,442	930,138	4,084	259,011	233	133	50
	High		59,827	1,479,654	1,542,691	6,013	409,287	263	138	51
Scenario 3	Low		42,854	872,492	470,240	2,630	145,079	203	131	48
	Mean	45.06	45,995	1,001,494	593,986	3,075	177,447	233	137	50
	High		50,507	1,298,751	915,499	4,369	266,412	263	142	51
Scenario 4	Low		43,564	896,801	510,095	2,753	156,527	203	129	45
	Mean	45.37	47,127	1,049,859	691,932	3,358	204,918	233	133	50
	High		51,693	1,427,205	1,231,391	5,085	335,422	263	138	51

Other Metric Results							
Construction Time (years)	16	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)	-4,238		214,687	220,284		8.96	8.89
Indirect Impacts	-8	PV Cost of Coastal Component (\$ Billions)	10.67	10.90			
Spatial Integrity	0.478	PV Cost of Structural Component (\$ Billions)	25.50	25.58			

Louisiana Coastal Protection and Restoration
 Planning Unit 1
 Pontchartrain Basin
**Comprehensive
 Lake Pontchartrain
 Surge Reduction Plan**
PU1 - C - LP - b - 400 - 1
 (400-Year Design Level)

November 2007

Legend

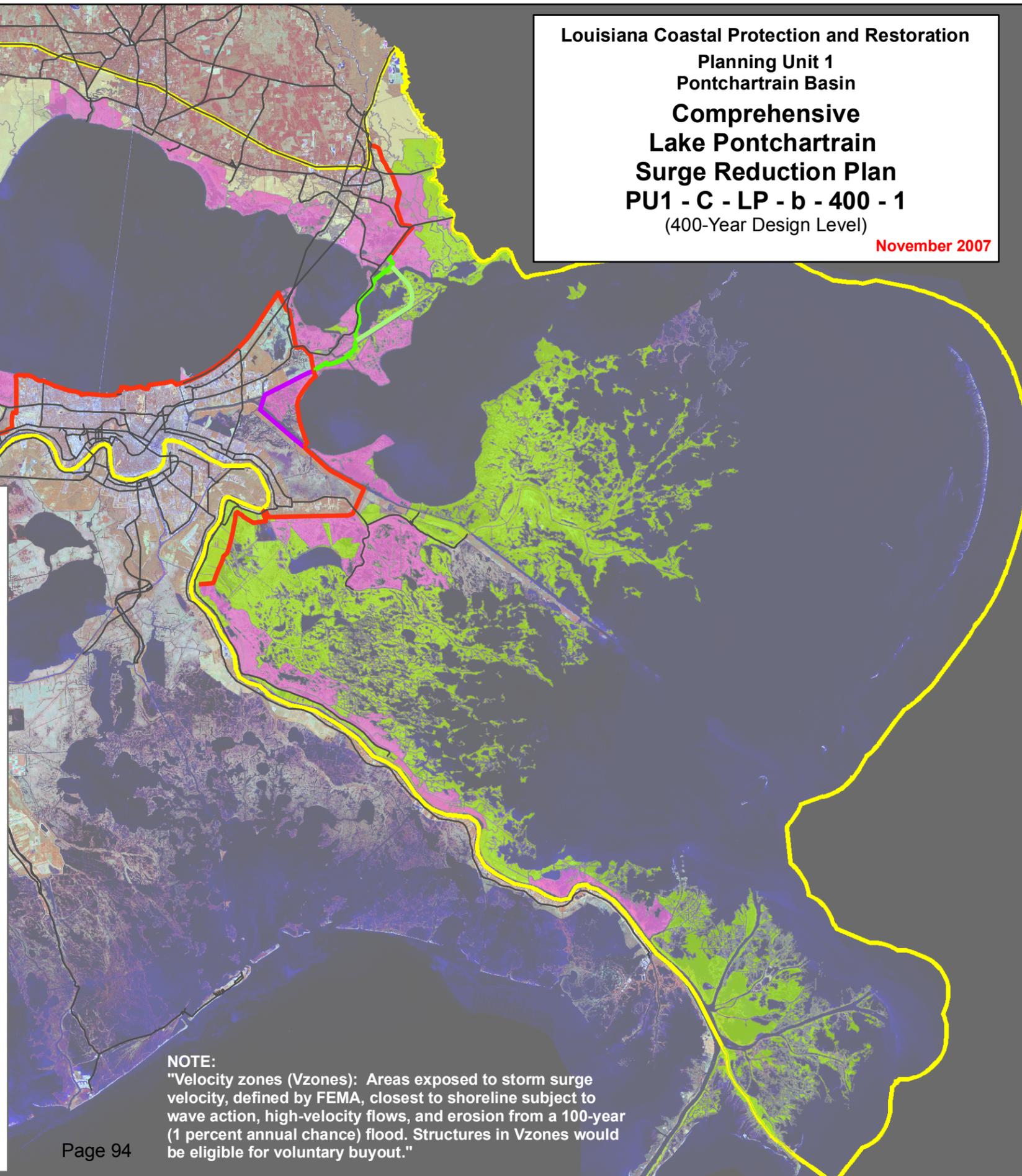
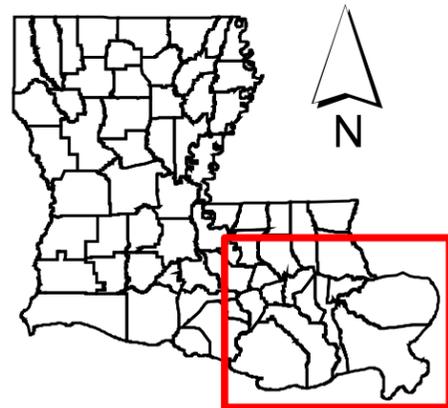
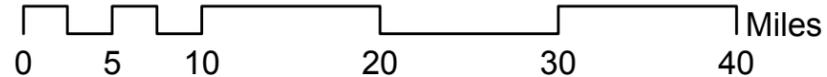
- Primary Roads
- ▭ Planning Unit 1
- New Levees & Existing Levee Modifications
- Authorized Levee
- Bonnet Carre Spillway
- Weir Alignment 1
- Weir Alignment 2
- Voluntary Nonstructural Measures

Inundation Zones:

- ▭ Water Depths <14 feet, Raise-In-Place of Structures
- ▭ Water Depths >14 feet, Buyout of Structures

Velocity Zones:

- ▭ Buyout of Structures



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:	1	Alt. No.	PU1-C-LP-b-400-3	Category	Comprehensive (Coastal + Structural + Nonstructural)	
Alternative Description:	Comprehensive plan--Same as Alternative PU1-LP-b-400-1 but with complementary nonstructural measures to reduce residual risk.					
Coastal Component:	R2 (pulsed diversions)			Nonstructural Component:	See alternative description.	
Structural Component:	See alternative description.					

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		49,554	947,032	705,653	3,422	199,987	203	141	48
	Mean	63.15	51,952	1,099,822	875,963	4,033	242,164	233	146	50
	High		55,972	1,435,091	1,235,325	5,383	336,049	263	149	51
Scenario 2	Low		50,039	972,103	754,834	3,574	213,878	203	134	45
	Mean	63.52	52,865	1,151,376	987,485	4,354	272,668	233	142	50
	High		57,027	1,562,446	1,601,862	6,303	421,982	263	147	51
Scenario 3	Low		41,959	932,761	500,203	2,814	155,952	203	141	48
	Mean	63.08	44,340	1,090,622	645,563	3,407	195,571	233	146	50
	High		47,987	1,418,737	972,836	4,766	286,490	263	149	51
Scenario 4	Low		42,260	957,688	541,364	2,939	167,702	203	134	45
	Mean	63.45	44,952	1,136,393	727,678	3,632	217,294	233	142	50
	High		48,699	1,537,456	1,273,617	5,430	350,030	263	147	51

Other Metric Results							
Construction Time (years)	16	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)	-7,587	PV Cost of Coastal Component (\$ Billions)	214,687	220,284	8.96	8.89	
Indirect Impacts	-8		10.67	10.90			
Spatial Integrity	0.478		PV Cost of Structural Component (\$ Billions)	43.52			43.66

Louisiana Coastal Protection and Restoration
 Planning Unit 1
 Pontchartrain Basin
**Comprehensive
 Lake Pontchartrain
 Surge Reduction Plan**
PU1 - C - LP - b - 400 - 3
 (400-Year Design Level)

November 2007

Legend

- Primary Roads
- Planning Unit 1
- New Levees & Existing Levee Modifications
- Authorized Levee
- Bonnet Carre Spillway
- Weir Alignment 1
- Weir Alignment 2

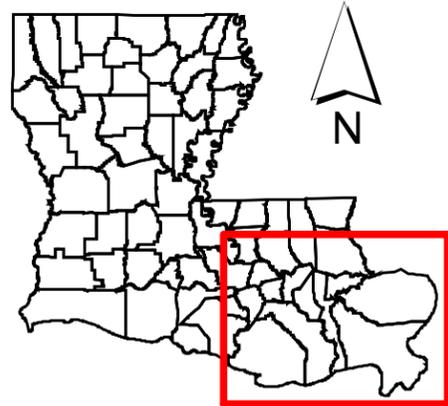
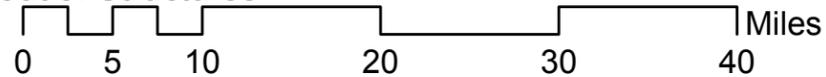
Voluntary Nonstructural Measures

Inundation Zones:

- Water Depths <14 feet, Raise-In-Place of Structures
- Water Depths >14 feet, Buyout of Structures

Velocity Zones:

- Buyout of Structures



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:	1	Alt. No.	PU1-C-LP-b-1000-1	Category	Comprehensive (Coastal + Structural + Nonstructural)
Alternative Description:	Comprehensive plan--Same as Alternative PU1-LP-b-1000-1 but with complementary nonstructural measures to reduce residual risk.				
Coastal Component:	R2 (pulsed diversions)			Nonstructural Component:	See alternative description.
Structural Component:	See alternative description.				

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		49,952	896,368	658,393	3,216	186,834	243	131	48
	Mean	54.35	52,910	1,022,644	798,906	3,698	222,580	273	137	50
	High		57,530	1,313,470	1,129,310	4,916	308,997	303	142	51
Scenario 2	Low		50,875	918,204	699,268	3,343	198,379	243	129	45
	Mean	54.83	54,324	1,065,843	876,319	3,913	242,515	273	133	50
	High		59,024	1,431,481	1,498,559	5,864	397,347	303	138	51
Scenario 3	Low		42,712	869,220	470,198	2,630	145,071	243	131	48
	Mean	54.31	45,743	995,949	589,218	3,058	176,141	273	137	50
	High		50,122	1,275,585	884,835	4,244	257,463	303	142	51
Scenario 4	Low		43,405	891,948	504,760	2,735	154,939	243	129	45
	Mean	54.79	46,875	1,037,611	653,544	3,244	193,958	273	133	50
	High		51,305	1,391,109	1,190,688	4,948	325,012	303	138	51

Other Metric Results							
Construction Time (years)	16	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)	-5,100	PV Cost of Coastal Component (\$ Billions)	214,687	220,284	10.48	10.44	
Indirect Impacts	-8		10.67	10.90			
Spatial Integrity	0.478	PV Cost of Structural Component (\$ Billions)	33.20	33.45			

Louisiana Coastal Protection and Restoration
 Planning Unit 1
 Pontchartrain Basin
**Comprehensive
 Lake Pontchartrain
 Surge Reduction Plan**
PU1 - C - LP - b - 1000 - 1
 (1000-Year Design Level)

November 2007

Legend

- Primary Roads
- Planning Unit 1
- New Levees & Existing Levee Modifications
- Authorized Levee
- Bonnet Carre Spillway
- Weir Alignment 1
- Weir Alignment 2

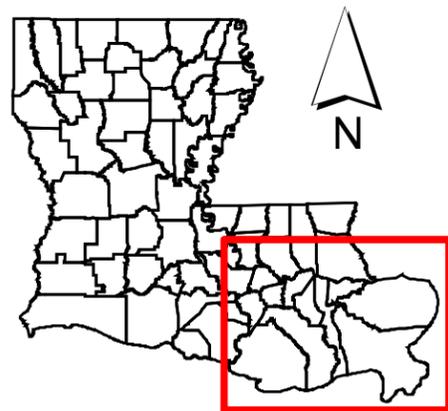
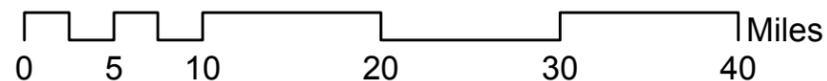
Voluntary Nonstructural Measures

Inundation Zones:

- Water Depths <14 feet, Raise-In-Place of Structures
- Water Depths >14 feet, Buyout of Structures

Velocity Zones:

- Buyout of Structures



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:	1	Alt. No.	PU1-C-LP-b-1000-2	Category	Comprehensive (Coastal + Structural + Nonstructural)				
Alternative Description:	Comprehensive plan--Same as Alternative PU1-LP-b-1000-2 but with complementary nonstructural measures to reduce residual risk.								
Coastal Component:	R2 (pulsed diversions)			Nonstructural Component:			See alternative description.		
Structural Component:	See alternative description.								

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		48,834	955,902	714,771	3,458	202,284	243
Mean	77.63		51,067	1,113,008	885,163	4,075	244,565	273	159	50
High			54,825	1,438,031	1,237,514	5,427	337,172	303	159	52
Scenario 2	Low		49,215	979,424	759,830	3,598	214,884	243	144	45
	Mean	78.21	51,839	1,157,514	957,508	4,270	262,567	273	157	50
	High		55,726	1,552,489	1,559,934	6,215	409,997	303	159	51
Scenario 3	Low		41,645	940,090	508,133	2,844	157,707	243	156	48
	Mean	77.59	43,934	1,100,882	653,770	3,443	197,485	273	159	50
	High		47,373	1,420,535	976,019	4,804	287,188	303	159	52
Scenario 4	Low		41,912	964,467	546,764	2,963	168,816	243	144	45
	Mean	78.17	44,498	1,143,627	712,326	3,608	213,043	273	157	50
	High		48,019	1,533,397	1,248,325	5,399	343,736	303	159	51

Other Metric Results							
Construction Time (years)	16	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)	-10,081		214,687	220,284		10.48	10.44
Indirect Impacts	-8	PV Cost of Coastal Component (\$ Billions)	10.67	10.90			
Spatial Integrity	0.478		PV Cost of Structural Component (\$ Billions)	56.49		56.83	

Louisiana Coastal Protection and Restoration
 Planning Unit 1
 Pontchartrain Basin
**Comprehensive
 Lake Pontchartrain
 Surge Reduction Plan**
PU1 - C - LP - b - 1000 - 2
 (1000-Year Design Level)

November 2007

Legend

- Primary Roads
- ▭ Planning Unit 1
- New Levees & Existing Levee Modifications
- Authorized Levee
- Bonnet Carre Spillway
- Weir Alignment 1
- Weir Alignment 2

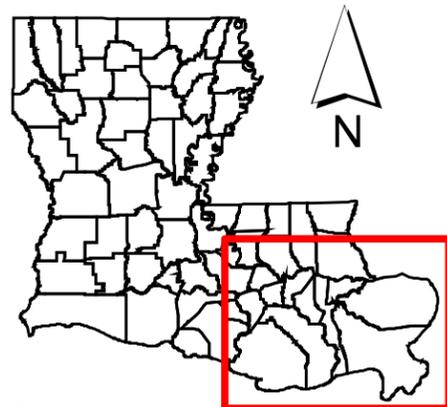
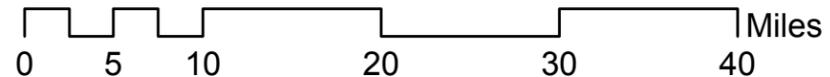
Voluntary Nonstructural Measures

Inundation Zones:

- ▭ Water Depths <14 feet, Raise-In-Place of Structures
- ▭ Water Depths ≥14 feet, Buyout of Structures

Velocity Zones:

- ▭ Buyout of Structures



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."