

## CHAPTER 12 INDEX

<b><u>Executive Summary</u></b>	<b><u>Page ES-X</u></b>
Aesthetic .....	16
Air Quality .....	17, 22
Air Toxics .....	24
Caney Creek .....	10, 19
Cedar Bayou .....	19
Clean Water Act (CWA) .....	18
Coastal Barrier .....	14
Commercial .....	13
Community Cohesion .....	13, 15
Construction .....	18, 21, 22, 23
Cultural Resources .....	13
Cumulative Impacts .....	23
Dayton .....	6, 8, 10, 12
East Fork San Jacinto River .....	10
Environmental Justice (EJ) .....	15
Harris County .....	8
Hazardous Materials .....	13
Historic Resources .....	13, 19
Houston-Galveston Area Council (H-GAC) .....	6
Hydrology .....	14
Lake Houston Wilderness Park .....	5, 7, 10, 20
Land Use .....	13, 14
Liberty County .....	8
Luce Bayou .....	19
Mitigation .....	24
Mont Belvieu .....	4, 6, 10, 12
National Environmental Policy Act (NEPA) .....	24
National Register of Historic Places (NRHP) .....	19
New Caney .....	4, 12
Noise .....	13, 17, 22
Peach Creek .....	10, 19
Population .....	7
Prime Farmland .....	13
Regional Transportation Plan (RTP) .....	6
Residential .....	13
Section A .....	7, 15
Section B .....	7, 15
Section C .....	7
Smart Streets .....	8, 9
Socioeconomic .....	13
Texas Commission on Environmental Quality (TCEQ) .....	17
Texas Parks and Wildlife Department (TPWD) .....	5
Texas Pollutant Discharge Elimination System (TPDES) .....	18
Threatened and Endangered Species .....	13, 14
Transportation System Management (TSM) .....	8
U.S. Army Corps of Engineers (USACE) .....	5

U.S. Fish and Wildlife Service (USFWS).....	5
Water Quality .....	17, 22
Wetlands .....	13, 18
Wild and Scenic Rivers .....	14
Wildlife .....	13, 19

**Chapter 1** **Page 1-X**

Census.....	21
Chambers County .....	21, 22
Collector Roadways .....	13
Dayton.....	8, 11, 14, 19
Employment .....	32, 33
Harris County .....	1, 8, 18, 21
Houston-Galveston Area Council (H-GAC).....	5
Liberty County .....	8, 14, 21, 26, 28
Mont Belvieu .....	3, 8, 19
Montgomery County.....	8
National Environmental Policy Act (NEPA) .....	4
New Caney .....	3, 8
Population .....	6, 21, 31, 32, 33
Regional Transportation Plan (RTP) .....	9
Roman Forest .....	12, 17

**Chapter 2** **Page 2-X**

Caney Creek.....	30, 31
Cedar Bayou .....	10, 38, 39
Chambers County .....	12, 30, 32, 41
Clean Water Act (CWA) .....	1
Collector Roadways .....	26
Commercial.....	42
Community Cohesion.....	42
Construction.....	8, 24, 41
Council on Environmental Quality (CEQ).....	1
Cultural Resources.....	42
Dayton.....	4, 8, 17, 28, 29, 30, 31, 39
East Fork San Jacinto River.....	28, 29, 30, 31, 32
Environmental Protection Agency (EPA) .....	2
Harris County .....	10, 13, 30, 32, 38, 40
Historic Resources.....	42
Lake Houston Wilderness Park.....	2, 3, 4, 5, 8, 9, 30, 31, 32, 37, 38
Land Use.....	42
Liberty County .....	8, 12, 28, 29
Luce Bayou .....	10
Mitigation.....	13
Modal Transportation Improvements .....	13
Mont Belvieu .....	2, 4, 9, 10, 17, 28, 29, 30, 31, 32
National Environmental Policy Act (NEPA) .....	1
New Caney .....	12, 17
Noise.....	42
Peach Creek .....	28, 29, 30, 31
Prime Farmland .....	42

Regional Transportation Plan (RTP) .....	2
Residential .....	42
Roman Forest .....	22, 23, 28, 29, 37
Section A.....	4, 5, 6, 7, 8
Section B.....	4, 6, 8, 9
Section C .....	6, 7, 9
Socioeconomic.....	42
Texas Commission on Environmental Quality (TCEQ) .....	2
Texas Parks and Wildlife Department (TPWD).....	1
Threatened and Endangered Species .....	42
U.S. Army Corps of Engineers (USACE) .....	1
U.S. Fish and Wildlife Service (USFWS).....	2
Wetlands .....	42
Wildlife .....	42

**Chapter 3**

**Page 3-X**

Aesthetic .....	25
Air Quality .....	35
Air Toxics .....	36, 37
Archeological Resources .....	71
Caney Creek .....	17, 26, 27, 40, 41, 42, 50, 53, 70
Cedar Bayou .....	1, 43, 44, 46, 50, 53, 54, 70, 71
Census.....	5, 6, 7, 8, 11, 13, 14, 15, 17, 20, 21, 23, 25
Chambers County .....	3, 5, 21, 22, 28, 29, 33, 34, 44, 70, 76
Clean Water Act (CWA) .....	46
Coastal Barrier .....	70
Commercial.....	2, 3
Community Cohesion.....	17
Construction.....	22
Cultural Resources.....	71
Dayton.....	1, 2, 5, 8, 18, 19, 22, 26, 27, 43, 45, 50, 53, 76, 77, 79
Dayton Canal .....	50, 53, 76
Dempsey Henley State Prison .....	1
East Fork San Jacinto River.....	40, 41, 42, 43, 50, 70, 71
Economic Conditions .....	5, 20
Employment .....	20, 22
Endangered Species.....	59
Environmental Justice (EJ) .....	12
Environmental Protection Agency (EPA) .....	35
Federal Emergency Management Agency (FEMA).....	45
FPPA.....	33
Geology.....	27
Harris County .....	2, 3, 6, 19, 22, 28, 31, 34, 36, 42, 43, 44, 46, 48, 69, 72
Hazardous Materials .....	77, 78, 79
Historic Resources .....	74, 75, 76, 77
Houston-Galveston Area Council (H-GAC).....	2
Indirect Impacts.....	20
Lake Houston Wilderness Park.....	1, 3, 17, 26, 27, 41, 68
Land Use.....	3, 38
Liberty County.....	2, 3, 6, 19, 22, 28, 29, 32, 33, 34, 40, 43, 44, 45, 46, 72, 76, 79
Limited English Proficiency .....	5, 14

Luce Bayou .....	1, 40, 41, 43, 50, 53, 70
Minority .....	8, 12, 13
Mont Belvieu .....	1, 5, 8, 18, 19, 22, 26, 27, 43, 44, 71, 77
Montgomery County.....	3, 6, 19, 21, 22, 28, 30, 34, 40, 41, 42, 47, 76
National Ambient Air Quality Standards (NAAQS) .....	35
National Environmental Policy Act (NEPA) .....	57
National Register of Historic Places (NRHP) .....	72
New Caney .....	1, 5, 19, 22
Noise .....	37, 38, 39
Noise Abatement .....	38
Noise Levels .....	39
Ozone (O <sub>3</sub> ).....	35
Parks.....	1, 3, 59
Patton Village.....	1, 6, 8, 17, 41
Peach Creek .....	1, 17, 26, 27, 40, 41, 42, 50, 53, 70
Pipeline .....	4
Plum Grove .....	1, 6, 8, 41
Population .....	7, 8, 12, 13, 15, 25
Poverty.....	23
Prehistoric .....	72, 73, 74
Prime Farmland .....	34
Regional Transportation Plan (RTP) .....	36
Residential .....	2, 3, 17, 38
Roman Forest .....	1, 6, 8, 17, 39, 40, 41
Socioeconomic.....	5
Sound.....	37, 38, 39
State Historic Preservation Officer (SHPO).....	71
Superfund .....	2, 78, 79
Surface Water .....	46
Texas Commission on Environmental Quality (TCEQ) .....	46
Texas Historical Commission (THC) .....	71
Texas Parks and Wildlife Department (TPWD) .....	3
Threatened and Endangered Species .....	61, 62
Vegetation.....	54, 56
Water Quality .....	46
Watershed.....	40, 43, 45
Wetlands .....	51, 55
Wild and Scenic Rivers .....	70
Wildlife .....	51, 59, 61, 62
Woodbranch.....	1, 6, 8, 17, 41

<b>Chapter 4</b>	<b>Page 4-X</b>
Aesthetic .....	49, 51, 52
Affected Environment.....	2, 91
Air Quality .....	56, 57, 62, 129
Air Toxics .....	57
Aquatic Habitat.....	89
Archeological Resources .....	107
Caney Creek .....	50, 70, 74, 75, 98, 102, 105
Cedar Bayou .....	70, 75, 98, 101, 102, 105, 107
Census.....	5, 6, 7, 12, 14, 15, 16, 17, 29, 36, 37

Chambers County .....	34, 35, 111, 119
Clean Water Act (CWA) .....	84
Commercial .....	2, 42, 44, 111
Community Cohesion .....	38
Construction .....	19, 42, 49, 53, 62, 69, 70, 77, 85, 86, 91, 95, 116, 124, 125, 127, 129, 130, 131, 132
Cultural Resources .....	107
Cumulative Impacts .....	2, 69
Dayton .....	1, 38, 39, 43, 51, 110, 111, 112, 113, 114, 115, 121, 122, 123
Dayton Canal .....	110, 111, 112, 113, 114, 115
East Fork San Jacinto River .....	70, 74, 101, 102, 107
Endangered Species .....	97
Environmental Justice (EJ) .....	24, 29
Environmental Protection Agency (EPA) .....	57
Federal Emergency Management Agency (FEMA) .....	100
Harris County .....	3, 24, 25, 26, 34, 35, 70, 98, 110, 114
Hazardous Materials .....	116, 117, 122, 124, 125
Historic Resources .....	110
Hydrology .....	98
Indirect Impacts .....	2, 5, 47, 49, 51, 55, 69, 75, 85, 90, 97, 106, 107, 109
Lake Houston Wilderness Park .....	3, 38, 40, 42, 46, 50, 94, 130
Land Use .....	2, 4
Liberty County .....	34, 35, 43, 71, 111, 113, 122
Limited English Proficiency .....	36
Low-income .....	13, 18
Luce Bayou .....	71, 74, 75, 98, 101, 102, 105
Minority .....	6, 7, 18
Mitigation .....	77, 85, 86, 91, 96, 97, 98
Mont Belvieu .....	1, 3, 39, 72, 73, 74, 107, 117, 119, 121
Montgomery County .....	3, 34, 35, 43, 130
National Environmental Policy Act (NEPA) .....	5
New Caney .....	24, 38, 39, 43, 44, 46, 73, 74, 117, 121
Noise .....	63, 64, 65, 67, 68, 130
Parks .....	40, 83
Patton Village .....	50
Peach Creek .....	3, 4, 38, 39, 42, 46, 50, 72, 73, 74, 75, 98, 101, 102, 105, 117, 118
Pipeline .....	123
Population .....	3, 6, 7, 14, 37
Poverty .....	13, 14, 35
Prime Farmland .....	54
Regional Transportation Plan (RTP) .....	1
Residential .....	2, 42, 64, 111, 125
Roman Forest .....	38, 46
Salt Dome .....	121
Section A .....	71, 83
State Historic Preservation Officer (SHPO) .....	107
Superfund .....	122
Surface Water .....	69
Terrestrial Wildlife .....	86
Texas Historical Commission (THC) .....	107
Texas Parks and Wildlife Department (TPWD) .....	40
Threatened and Endangered Species .....	94, 96, 97

U.S. Fish and Wildlife Service (USFWS).....	95
Vegetation .....	80, 82
Water Quality .....	69, 70, 103, 129
Wetlands .....	76, 80, 84
Wild and Scenic Rivers .....	106
Wildlife .....	40, 83, 86, 87, 88, 89, 90, 96

**Chapter 5**

**Page 5-X**

Aesthetic .....	23
Affected Environment.....	11
Archeological Resources .....	34
Cedar Bayou .....	33
Census.....	10, 11
Chambers County .....	7, 8, 9, 11
Clean Water Act (CWA) .....	33
Construction.....	10, 21, 24, 29
Council on Environmental Quality (CEQ).....	1
Cumulative Impacts.....	1, 2, 3, 4
Dayton.....	7, 8, 9, 10, 11, 12, 16, 17, 18, 35
Dayton Canal .....	12, 35
Endangered Species.....	32
Environmental Protection Agency (EPA) .....	9
Harris County .....	8, 9, 11, 36
Historic Resources.....	34
Houston-Galveston Area Council (H-GAC).....	1, 7
Indirect Impacts.....	2, 3, 4
Lake Houston Wilderness Park.....	29, 35
Land Use.....	1, 3, 7, 9, 16, 19, 28, 35
Liberty County.....	8, 9, 10, 11, 26, 29
Mitigation.....	3, 4, 35, 36
Mont Belvieu .....	7, 8, 9, 10, 12, 16, 18
Montgomery County.....	8, 9, 11
National Ambient Air Quality Standards (NAAQS).....	15
National Register of Historic Places (NRHP) .....	34
New Caney .....	11
Patton Village.....	8, 9, 10
Plum Grove .....	10, 18
Prime Farmland .....	28
Regional Transportation Plan (RTP) .....	9
Residential .....	10, 18
Roman Forest .....	8, 9, 10, 18
Texas Historical Commission (THC) .....	9
Texas Parks and Wildlife Department (TPWD).....	9
Threatened and Endangered Species .....	31
U.S. Army Corps of Engineers (USACE) .....	9
Water Quality .....	32, 33
Wetlands .....	21, 28, 29
Wildlife .....	9, 30
Woodbranch.....	9, 10

**Chapter 6**

**Page 6-X**

Aesthetic .....5  
 Air Quality .....6, 11, 14, 35, 36, 37, 38, 51, 52, 69  
 Air Toxics .....6, 36  
 Archeological Resources .....8  
 Caney Creek .....40, 70  
 Cedar Bayou .....6, 39, 40  
 Census .....29, 30, 31, 49, 50, 59, 67  
 Chambers County .....17, 67, 69  
 Coastal Barrier .....8  
 Commercial .....16  
 Construction .....2, 6, 28, 70  
 Council on Environmental Quality (CEQ) .....1  
 Cumulative Impacts .....3, 5, 11, 28, 33, 37, 43, 68, 69  
 Dayton .....8, 16, 17, 18, 26  
 Dayton Canal .....8  
 East Fork San Jacinto River .....70  
 Endangered Species .....7  
 Environmental Protection Agency (EPA) .....6, 35  
 Harris County .....8, 15, 16, 17, 31, 40, 60, 67  
 Historic Resources .....8  
 Houston-Galveston Area Council (H-GAC) .....5  
 Indirect Impacts .....2, 5, 6, 7, 9, 12, 18, 31, 32, 37, 41, 42, 43, 69  
 Lake Houston Wilderness Park .....16  
 Land Use .....ii, 5, 14, 15, 18, 28, 29, 55, 57, 69  
 Level of Mobility (LOM) .....52  
 Level of Service (LOS) .....33  
 Liberty County .....15, 17, 26, 30, 40, 67  
 Luce Bayou .....39, 70  
 Minority .....31, 49  
 Mitigation .....ii, 5, 6, 7, 10, 14, 29, 35, 38, 45, 69  
 Mont Belvieu .....16, 17, 18  
 Montgomery County .....15, 16, 17, 30, 59, 67  
 National Ambient Air Quality Standards (NAAQS) .....6  
 National Environmental Policy Act (NEPA) .....1  
 New Caney .....16  
 Parks .....16  
 Patton Village .....16  
 Peach Creek .....40  
 Population .....15, 31, 49, 60  
 Regional Transportation Plan (RTP) .....9  
 Roman Forest .....16, 20  
 Texas Commission on Environmental Quality (TCEQ) .....6  
 Texas Parks and Wildlife Department (TPWD) .....7  
 Threatened and Endangered Species .....7  
 U.S. Army Corps of Engineers (USACE) .....7, 39  
 Vegetation .....10, 45, 54, 55  
 Water Quality .....6, 12, 14, 41, 42, 44, 53, 70  
 Wetlands .....7, 12, 14, 42, 43, 45  
 Wild and Scenic Rivers .....7  
 Wildlife .....7

Woodbranch.....16

**Chapter 7** **Page 7-X**

Clean Water Act (CWA).....7  
 Coastal Barrier.....2  
 Community Cohesion.....2  
 Construction.....7, 20, 23  
 Council on Environmental Quality (CEQ).....1  
 Environmental Protection Agency (EPA).....7  
 Houston-Galveston Area Council (H-GAC).....5  
 Lake Houston Wilderness Park.....13, 18, 20  
 Land Use.....2  
 Level of Mobility (LOM).....6  
 Limited English Proficiency.....1  
 Minority.....1  
 Mitigation.....5, 6, 7, 8, 10, 12, 13, 14, 15, 18, 20, 23  
 National Environmental Policy Act (NEPA).....1  
 Noise.....2, 6, 23  
 Parks.....13  
 Prime Farmland.....1  
 Regional Transportation Plan (RTP).....5  
 State Historic Preservation Officer (SHPO).....19  
 Surface Water.....6  
 Texas Commission on Environmental Quality (TCEQ).....7  
 Texas Historical Commission (THC).....19  
 Texas Parks and Wildlife Department (TPWD).....10  
 Texas Pollutant Discharge Elimination System (TPDES).....7  
 Vegetation.....8  
 Water Quality.....9, 23  
 Wetlands.....8, 9, 10  
 Wild and Scenic Rivers.....2  
 Wildlife.....10, 15

**Chapter 8** **Page 8-X**

Cedar Bayou.....5  
 Chambers County.....4, 5, 10, 14, 15, 17  
 Cumulative Impacts.....16  
 Dayton.....3, 4, 5, 6, 8, 10, 11, 13, 14, 17  
 Environmental Protection Agency (EPA).....6, 7  
 Federal Emergency Management Agency (FEMA).....5  
 Harris County.....5, 10, 12, 14, 15  
 Houston-Galveston Area Council (H-GAC).....6  
 Lake Houston Wilderness Park.....7, 18  
 Liberty County.....4, 8, 12, 14  
 Mont Belvieu.....3, 5, 8, 10, 14, 17  
 Montgomery County.....5, 8, 10  
 National Environmental Policy Act (NEPA).....6  
 New Caney.....5, 8, 10  
 Parks.....7, 14, 15, 18  
 Patton Village.....5



Public Involvement.....	3, 8
Regional Transportation Plan (RTP) .....	17
Residential .....	4
Roman Forest .....	5, 14
Salt Dome .....	4
Section A.....	9
Section B.....	9
Section C .....	9
Superfund .....	8
Texas Commission on Environmental Quality (TCEQ) .....	6, 7
Texas Parks and Wildlife Department (TPWD).....	6
U.S. Army Corps of Engineers (USACE) .....	6
U.S. Fish and Wildlife Service (USFWS).....	6
Wildlife .....	7, 15, 18
Woodbranch.....	5