

TABLE OF CONTENTS

1.1	TABLE OF FIGURES	4
1.2	TABLE OF TABLES	5
1.3	ACRONYM LIST	5
1.4	ACKNOWLEDGEMENTS	6
1.5	INTRODUCTION	6
1.6	OBJECTIVE	10
1.7	METHODS	10
1.8	RESULTS	14
1.9	ECOLOGICALLY SIGNIFICANT RIVER AND STREAM SEGMENT DESCRIPTIONS	17
1.9.1	<i>Upper Angelina River</i>	18
1.9.2	<i>Lower Angelina River</i>	20
1.9.3	<i>Upper Neches River</i>	22
1.9.4	<i>Lower Neches River</i>	24
1.9.5	<i>Upper Sabine River</i>	26
1.9.6	<i>Middle Sabine River</i>	28
1.9.7	<i>Lower Sabine River</i>	30
1.9.8	<i>Trinity River</i>	31
1.10	BIG THICKET	33
1.10.1	<i>Beech Creek</i>	35
1.10.2	<i>Big Cypress Creek</i>	37
1.10.3	<i>Big Sandy Creek</i>	38
1.10.4	<i>Little Pine Island Bayou</i>	40
1.10.5	<i>Menard Creek</i>	42
1.10.6	<i>Pine Island Bayou</i>	44
1.10.7	<i>Trout Creek</i>	46
1.10.8	<i>Turkey Creek</i>	47
1.10.9	<i>Village Creek</i>	49
1.10.10	<i>White Oak Creek</i>	51
1.11	DAVY CROCKETT NATIONAL FOREST	52
1.11.1	<i>Alabama Creek</i>	53
1.11.2	<i>Austin Branch</i>	55
1.11.3	<i>Camp Creek</i>	57
1.11.4	<i>Cochino Bayou</i>	58
1.11.5	<i>Hackberry Creek</i>	59
1.11.6	<i>Hager Creek</i>	60
1.11.7	<i>Hickory Creek</i>	61
1.11.8	<i>Lynch Creek</i>	62
1.11.9	<i>Piney Creek</i>	63
1.11.10	<i>San Pedro Creek</i>	65
1.11.11	<i>Sandy Creek</i>	66
1.12	EAST TEXAS STREAMS	67
1.12.1	<i>Alazan Bayou</i>	68
1.12.2	<i>Attoyac Bayou</i>	70
1.12.3	<i>Bowles creek</i>	71
1.12.4	<i>Catfish Creek</i>	72
1.12.5	<i>Iron Bayou</i>	74
1.12.6	<i>Mud Creek</i>	75
1.12.7	<i>Sandy Creek (Shelby County)</i>	76
1.13	COASTAL STREAMS	78
1.13.1	<i>Big Hill Bayou</i>	78
1.13.2	<i>Hillebrandt Bayou</i>	80
1.13.3	<i>Salt Bayou</i>	81
1.13.4	<i>Taylor Bayou</i>	82
1.13.5	<i>Texas Bayou</i>	83
1.14	REFERENCES	84
1.15	APPENDIX A: 31 TAC § 357.8 ECOLOGICALLY UNIQUE RIVER AND STREAM SEGMENTS	88
1.16	APPENDIX B: NATIONAL RIVERS INVENTORY SUMMARY	89

1.1 TABLE OF FIGURES

FIGURE 1. MAP OF REGION I WITH CITIES.....9

FIGURE 2. ECOLOGICALLY SIGNIFICANT STREAM SEGMENTS OF REGION I16

FIGURE 3. ANGELINA RIVER NORTH OF SH 7 (8/14/01).....19

FIGURE 4. ANGELINA RIVER AT SH 7, ANGELINA/NACOGDOCHES COUNTY LINE. SOURCE: LAKE NACOGDOCHES DOQ, 1996, 1M CIR (TNRIS, 1995-1997).19

FIGURE 5. ANGELINA RIVER SOUTH OF SH 63 IN JASPER COUNTY (8/14/01).21

FIGURE 6. ANGELINA RIVER AT SH63 IN ANGELINA NATIONAL FOREST, JASPER COUNTY. SOURCE: EBENEZER DOQ, 1995, 1M CIR (TNRIS, 1995-1997).....21

FIGURE 7. NECHES RIVER SOUTH OF SH 21 IN HOUSTON COUNTY (8/14/01).....23

FIGURE 8. NECHES RIVER SOUTH OF SH 294 IN HOUSTON COUNTY (8/13/01).23

FIGURE 9. NECHES RIVER NORTH OF US 96/FM 2246 IN JASPER COUNTY (8/14/01).....25

FIGURE 10. BACKWATER HABITAT OF NECHES RIVER EAST OF US 96 ROAD CROSSING (8/14/01).....25

FIGURE 11. UPPER SABINE RIVER SOUTH OF FM 1794 IN PANOLA COUNTY (8/13/01).....27

FIGURE 12. UPPER SABINE RIVER NORTH OF FM 1794 IN PANOLA COUNTY (8/13/01).27

FIGURE 13. MIDDLE SABINE RIVER NORTH OF SH12 IN NEWTON COUNTY (8/14/01).29

FIGURE 14. SABINE RIVER AT SH 12 IN NEWTON COUNTY. SOURCE: STARKS DOQ, 1996.29

FIGURE 15. SABINE RIVER AT IH 10 IN ORANGE COUNTY. SOURCE: ORANGE DOQ, 1996.30

FIGURE 16. TRINITY RIVER NORTH OF SH 21 IN HOUSTON COUNTY (8/15/01).32

FIGURE 17. TRINITY RIVER SOUTH OF SH 21 IN HOUSTON COUNTY (8/15/01).....32

FIGURE 18. BEECH CREEK NORTH OF GORE STORE ROAD/FM 3063 IN HARDIN COUNTY (8/15/01).36

FIGURE 19. BEECH CREEK AT FM 3063/GORE STORE ROAD, HARDIN COUNTY. SOURCE: FRED DOQ, 1M CIR (TNRIS, 1995-1997).36

FIGURE 20. BIG CYPRESS CREEK EAST OF SH 87 IN NEWTON COUNTY (08/14/01).37

FIGURE 21. BIG SANDY CREEK EAST OF FM 1276 IN POLK COUNTY (8/15/01).39

FIGURE 22. BIG SANDY CREEK WEST OF FM 1276 IN POLK COUNTY (8/15/01).39

FIGURE 23. LITTLE PINE ISLAND BAYOU WEST OF FM 770 IN HARDIN COUNTY (8/15/01).41

FIGURE 24. LITTLE PINE ISLAND BAYOU EAST OF FM 770 IN HARDIN COUNTY (8/15/01).....41

FIGURE 25. MENARD CREEK IN BIG THICKET NATIONAL PRESERVE, HARDIN COUNTY. SOURCE: VOTAW DOQ, 1995.43

FIGURE 26. MENARD CREEK CORRIDOR, BIG THICKET NATIONAL PRESERVE (8/15/01).43

FIGURE 27. PINE ISLAND BAYOU NORTH OF SH 105 IN HARDIN COUNTY (8/15/01).....45

FIGURE 28. PINE ISLAND BAYOU SOUTH OF SH 105 IN HARDIN COUNTY (8/15/01).....45

FIGURE 29. TROUT CREEK WEST OF SH 7 IN NEWTON COUNTY (8/14/01).....46

FIGURE 30. TURKEY CREEK NORTH OF FM 3063 IN HARDIN COUNTY (8/15/01).....48

FIGURE 31. TURKEY CREEK SOUTH OF FM 3063 IN HARDIN COUNTY (8/15/01).....48

FIGURE 32. VILLAGE CREEK AT VILLAGE CREEK STATE PARK IN HARDIN COUNTY (8/14/01).....50

FIGURE 33. VILLAGE CREEK AT VILLAGE CREEK STATE PARK IN HARDIN COUNTY (8/14/01).....50

FIGURE 34. WHITE OAK CREEK AT FM 363 IN NEWTON COUNTY (8/14/01).51

FIGURE 35. ALABAMA CREEK EAST OF FM 357 IN TRINITY COUNTY (8/14/01).54

FIGURE 36. AUSTIN BRANCH EAST OF CR 1560 IN HOUSTON COUNTY (08/14/01).....56

FIGURE 37. AUSTIN BRANCH WEST OF CR 1560 IN HOUSTON COUNTY (08/14/01).....56

FIGURE 38. CAMP CREEK WEST OF FR 511 IN HOUSTON COUNTY (8/14/01).57

FIGURE 39. COCHINO BAYOU WEST OF CR 4740 IN HOUSTON COUNTY (8/14/01).58

FIGURE 40. HACKBERRY CREEK EAST OF FM 2501 IN TRINITY COUNTY (8/14/01).....59

FIGURE 41. HAGER CREEK EAST OF CR 4740 IN HOUSTON COUNTY (8/14/01).60

FIGURE 42. HICKORY CREEK WEST OF FR 511 IN HOUSTON COUNTY (8/14/01).61

FIGURE 43. LYNCH CREEK EAST OF FM 2781 IN HOUSTON COUNTY (8/14/01).....62

FIGURE 44. PINEY CREEK AT FM 358 IN TRINITY COUNTY (8/14/01).64

FIGURE 45. SANDY CREEK WITHIN DAVY CROCKETT NATIONAL FOREST, HOUSTON COUNTY. SOURCE: WECHES DOQ, 1995.66

FIGURE 46. ALAZAN BAYOU NORTH OF SH 7 IN NACOGDOCHES COUNTY (8/14/01).69

FIGURE 47. ATTOYAC BAYOU SOUTH OF SH 7 IN SAN AUGUSTINE COUNTY (8/13/01).....70

FIGURE 48. BOWLES CREEK NORTH OF SH 294 IN CHEROKEE COUNTY (08/14/01).71

FIGURE 49. CATFISH CREEK NORTH OF US 287 IN ANDERSON COUNTY (8/13/01).....73

FIGURE 50. CATFISH CREEK AT CR 473 IN GUS ENGELING WMA IN ANDERSON COUNTY (8/13/01).73

FIGURE 51. IRONS BAYOU AT SH 149 IN PANOLA COUNTY (8/13/01)	74
FIGURE 52. MUD CREEK SOUTH OF SH 204 IN CHEROKEE COUNTY (8/13/01)	75
FIGURE 53. SANDY CREEK AT FM 2913, SHELBY COUNTY. SOURCE: MARTINSVILLE DOQ, 1995.....	76
FIGURE 54. SANDY CREEK NORTH OF FM 2913 IN SHELBY COUNTY (8/13/01).....	77
FIGURE 55. BIG HILL BAYOU AT J.D. MURPHREE WMA IN JEFFERSON COUNTY. SOURCE: BIG HILL BAYOU DOQ, 1996, 1M CIR (TNRIS, 1995-1997).....	79
FIGURE 56. HILLEBRANDT BAYOU. SOURCE: PORT ACRES DOQ, 1995.	80
FIGURE 57. SALT BAYOU AT J.D. MURPHREE WMA, JEFFERSON COUNTY. SOURCE: BIG HILL BAYOU DOQ, 1996..	81
FIGURE 58. TEXAS BAYOU WITHIN TEXAS POINT NATIONAL NWR, JEFFERSON COUNTY. SOURCE: TEXAS POINT AND SABINE PASS DOQS, 1995.....	83

1.2 TABLE OF TABLES

TABLE 1. ENDANGERED SPECIES OF REGION I (TEXAS PARKS AND WILDLIFE DEPARTMENT 2007/2008)	12
TABLE 2. ECOLOGICALLY SIGNIFICANT STREAM SEGMENTS IN THE REGION I (EAST TEXAS) REGIONAL WATER PLANNING AREA.....	15

1.3 ACRONYM LIST

CIR - Color Infrared
 CTC - Central Texas Coast
 DOQ - Digital Orthophoto Quadrangle
 E - Endangered
 Fed. - Federal
 GBRA - Guadalupe-Blanco River Authority
 GTCBT - Great Texas Coastal Birding Trail
 NHP - National Historic Park
 NPS - National Park Service
 NWI - National Wetlands Inventory
 NWR - National Wildlife Refuge
 RWPG - Regional Water Planning Group
 SHP - State Historical Park
 SNA - State Natural Area
 SOC - Species of Concern
 SP - State Park
 St. - State
 T - Threatened
 TAC - Texas Administrative Code
 TCEQ - Texas Commission on Environmental Quality
 TPWD - Texas Parks and Wildlife Department
 TNRCC - Texas Natural Resources Conservation Commission
 TWDB - Texas Water Development Board
 TxDOT - Texas Department of Transportation
 USFWS - United States Fish and Wildlife Service
 WMA - Wildlife Management Area