

COMPREHENSIVE HABITAT MANAGEMENT PLAN FOR THE PONTCHARTRAIN BASIN

**TABLE OF CONTENTS**

**LIST OF FIGURES.....3**

**LIST OF TABLES.....4**

**MISSION STATEMENT.....5**

**EXECUTIVE SUMMARY.....6**

**INTRODUCTION .....11**

**METHODOLOGY.....16**

**SUB – BASIN ANALYSES.....17**

**Upland Sub-basin Analysis (North of Interstate 12) Forest Habitats.....17**

**Function Baseline of the Upland Forest .....17**

**Form Baseline of the Upland Forest .....17**

**Impairments of the Upland Forest .....19**

**Restoration Recommendations for the Upland Forests .....22**

**Upland Sub-basin Analysis (North of Interstate 12) Riverine Habitats .....25**

**Function Baseline of Upland Riverine Habitats .....25**

**Form Baseline of Upland Riverine Habitats .....25**

**Impairments of the Upland Riverine Habitats.....25**

**Restoration Recommendations in Upland Riverine Habitats.....33**

**Upper Sub-basin Analysis (Lake Maurepas and Adjacent Wetlands).....35**

**Function Baseline .....35**

**Form Baseline .....35**

**Ranked Impairments and Restoration Strategies.....36**

**Restoration Recommendations.....40**

**Restoration Position Statements on Various Issues.....44**

**Middle Sub-basin Analysis (Lake Pontchartrain and Adjacent Wetlands).....47**

**Function Baseline .....47**

**Form Baseline.....50**

**Ranked Impairments.....50**

**Restoration Recommendations.....63**

**Restoration Position Statements on Various Issues .....73**

**Lower Sub-basin Analysis (St. Bernard and Plaquemines Parishes).....77**

**Form Baseline.....77**

**Function Baseline.....80**

**Impairments.....83**

**Restoration Recommendations in the Lower Sub-basin.....96**

**RESEARCH AND DATA NEEDS FOR THE PONTCHARTRAIN BASIN.....107**

**REFERENCES.....110**

**APPENDIX A CHMP DRAFT COMMITTEE MEMBERS AND REVIEWERS.....116**

**APPENDIX B SUMMARY OF PRIOR CHMP PROCESS AND REPORTS.....118**

**APPENDIX C CHMP REPORT DEVELOPMENT PROCESS .....119**

**APPENDIX D RARE AND ENDANGERED SPECIES FOR THE EASTERN LONGLEAF PINE SAVANNAH IN THE PONTCHARTRAIN BASIN.....120**

**APPENDIX E PRELIMINARY ASSESSMENT OF HABTAT DAMAGE TO THE PONTCHARTRAIN BASIN BY HURRICANES KATRINA & RITA...125**

**APPENDIX F TABLE OF CHMP RECOMMENDATIONS.....137**

**INDEX.....141**