

Appendix 5-7: Supporting Information for the Everglades Long-Term Plan

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Table 1. Summary of projects and cross-referenced chapters in the Long-Term Plan for Achieving Water Quality Goals in the Everglades Protection Area (Long-Term Plan).

Project Description	Chapter References in the 2013 SFER – Volume I
<u>ECP BASINS</u>	
STA-1E Enhancements	5 (STA-1E section) (Project complete – see prior reports)
STA-1W Enhancements	5 (STA-1W section) (Project complete – see prior reports)
STA-2 Enhancements	5 (STA-2 section)
STA-3/4 Enhancements	5 (STA-3/4 section)
STA-5 Enhancements	5 (STA-5 section)
STA-6 Enhancements	5 (STA-6 section)
ECP Operation and Maintenance - STAs and non-STAs	5 (Each STA section)
ECP Compliance Monitoring	5 (Each STA section)
ECP Operations Monitoring	5 (Project-level activities section)
STA Site Management	5 (Project-level activities section)
Acme Basin B	4 (Source Controls); 1 (Basin B Discharge Project)
Compartment B STA including STA-2, Cell 4	5
Compartment C STA including STA-5 Flow-way 3 and STA-6, Section 2	5
EAA Conveyance and Regional Treatment Project (ECART)	Future reports
<u>NON-ECP BASINS</u>	
North Springs Improvement District Basin Source Controls	4
North New River Canal Basin Source Controls	4
C-11 West Basin Source Controls	4
Feeder Canal Basin Source Controls	4
<u>PROCESS DEVELOPMENT AND ENGINEERING</u>	
<u>Basin Source Controls</u>	
EAA Basins - Source Controls	4
C-139 Basin - Source Controls	4
<u>Enhanced Control and Monitoring</u>	
Acquisition of Survey Data	5 (Project complete – see prior reports)
Additional Flow and Water Quality Monitoring Stations	5 (Project complete – see prior reports)
Review and Correction of Flow Measurement Anomalies	5 (Project-level activities section)
Analysis and Interpretation	5 (Project-level activities section)
Update and Maintenance of Hydraulic Models	5 (Project-level activities section)

Table 1. Continued.

Project Description	Chapter References in the 2012 SFER – Volume I
<u>Improved Analytical and Forecasting Tools</u>	
Continued Development and Refinement of DMSTA	5
Water Quality Impacts of Reservoirs	Project complete – see prior reports
Periphyton-based STA (PSTA) Investigations	5 (Project-level activities section)
PSTA Implementation Project in STA-3/4	5 (Project-level activities section)
<u>Optimizing SAV Performance</u>	
Operational Strategy	Project complete – see prior reports
Vegetation Maintenance	5
Hydrologic and Hydraulic Assessment	Future reports
Internal Measurements	Future reports
Comparative Analysis	Future reports
<u>Additional Structural and Operational Measures</u>	
Evaluation of Full-Scale STA Enhancements	Project complete – see prior reports
<u>Improved Reliability of Inflow Forecasts</u>	
Update Baseline Datasets	3A
Basins With Limited Current Data	3A
Influence of CERP Projects on Inflow Volumes and Loads	3A
Lake Okeechobee Long-Term Trends	8
Determine Water Quality Relationships in the EPA	3A
<u>ACCELERATE RECOVERY OF IMPACTED AREAS</u>	
Recovery Model Development and Calibration	6 (2007 SFER) and future reports
Downstream Influence of Adding Clean Water to Previously Impacted Areas	Future reports
Options for Accelerating Recovery	6
Alternatives Analysis and Plan Formulation	Future reports
Hydropattern Restoration	Future reports
Implement Steps for Recovery in Impacted Areas	Future reports
<u>ADAPTIVE IMPLEMENTATION</u>	5
<u>PROGRAM MANAGEMENT</u>	5
CERP – Comprehensive Everglades Restoration Plan	EPA – Everglades Protection Area
DMSTA – Dynamic Model for Stormwater Treatment Areas	PSTA – Periphyton-Based Stormwater Treatment Area
EAA – Everglades Agricultural Area	STA – Stormwater Treatment Area
ECP – Everglades Construction Project	

Table 2. EPA tributary basins included in the Long-Term Plan.

Basin	Canal	Stormwater Treatment Areas	Receiving Water Conservation Areas
S-5A (EAA)	West Palm Beach Canal	STA-1W, STA-1E, STA-2	WCA-1
S-6 (EAA)	Hillsboro Canal	STA-2	WCA-2A
S-7 (EAA)	North New River Canal (NNRC)	STA-3/4	WCA-2A
S-8 (EAA)	Miami Canal	STA-3/4, STA-6	WCA-3A
C-51 West	C-51 West	STA-1E, STA-1W	WCA-1
C-139 (including Annex)	L-3 Canal	STA-5, STA-6	WCA-3A
ACME Basin B	West Palm Beach Canal	STA-1E	WCA-1
North Springs Improvement District	N/A	N/A	WCA-2A
NNRC (G-123)	NNRC	N/A	WCA-3A
C-11 West	C-11 West	N/A	WCA-3A
Feeder Canal	L-28 Interceptor Canal	N/A	WCA-3A
L-28	L-28	N/A	WCA-3A

EAA – Everglades Agricultural Area

N/A – Not Applicable

NNRC – North New River Canal

WCA – Water Conservation Area