



**DIVISION OF
ENVIRONMENTAL
ASSESSMENT AND
RESTORATION**
Introduction and Priorities

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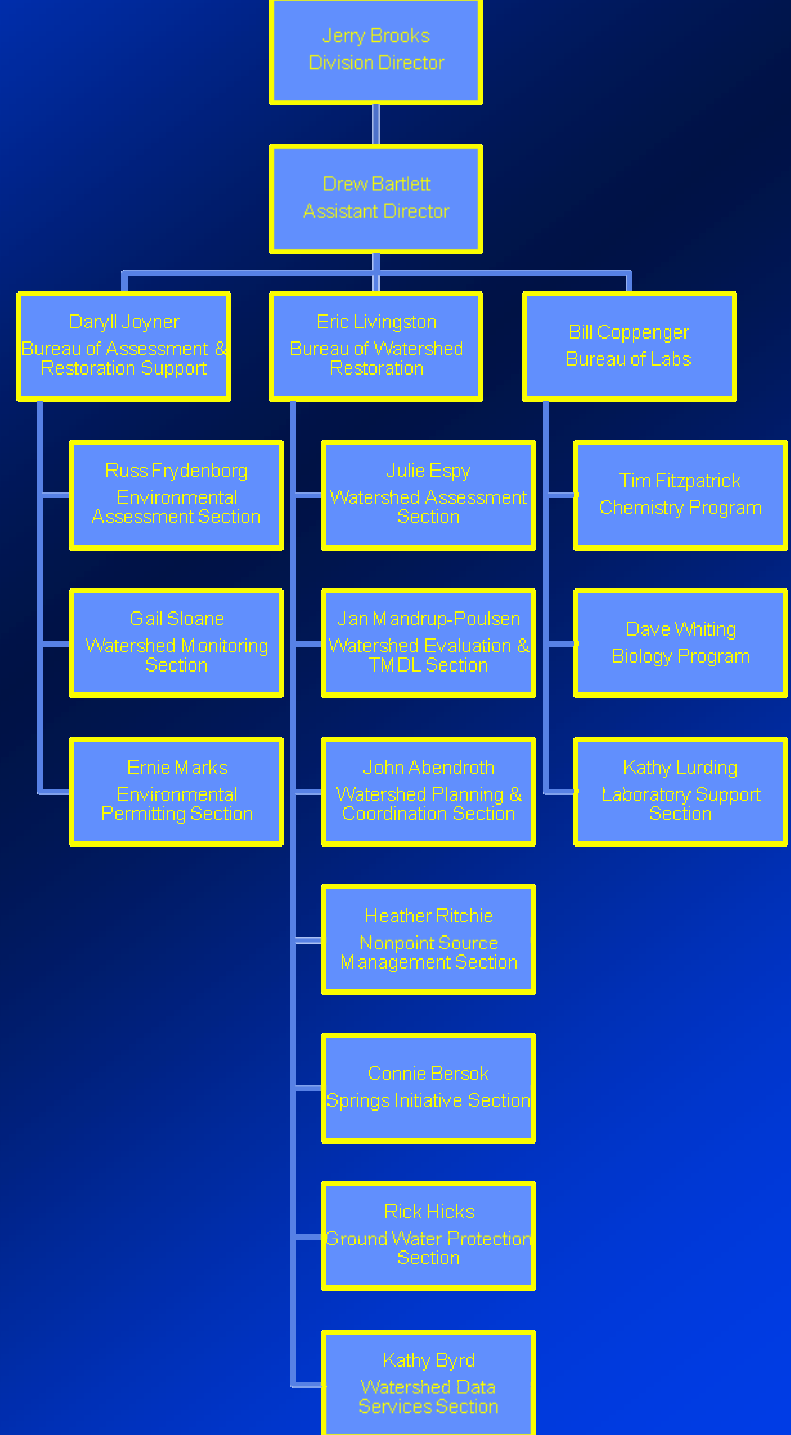
PRESENTATION OUTLINE

- **Division of Environmental Assessment and Restoration Organization**
- **DEAR priorities**

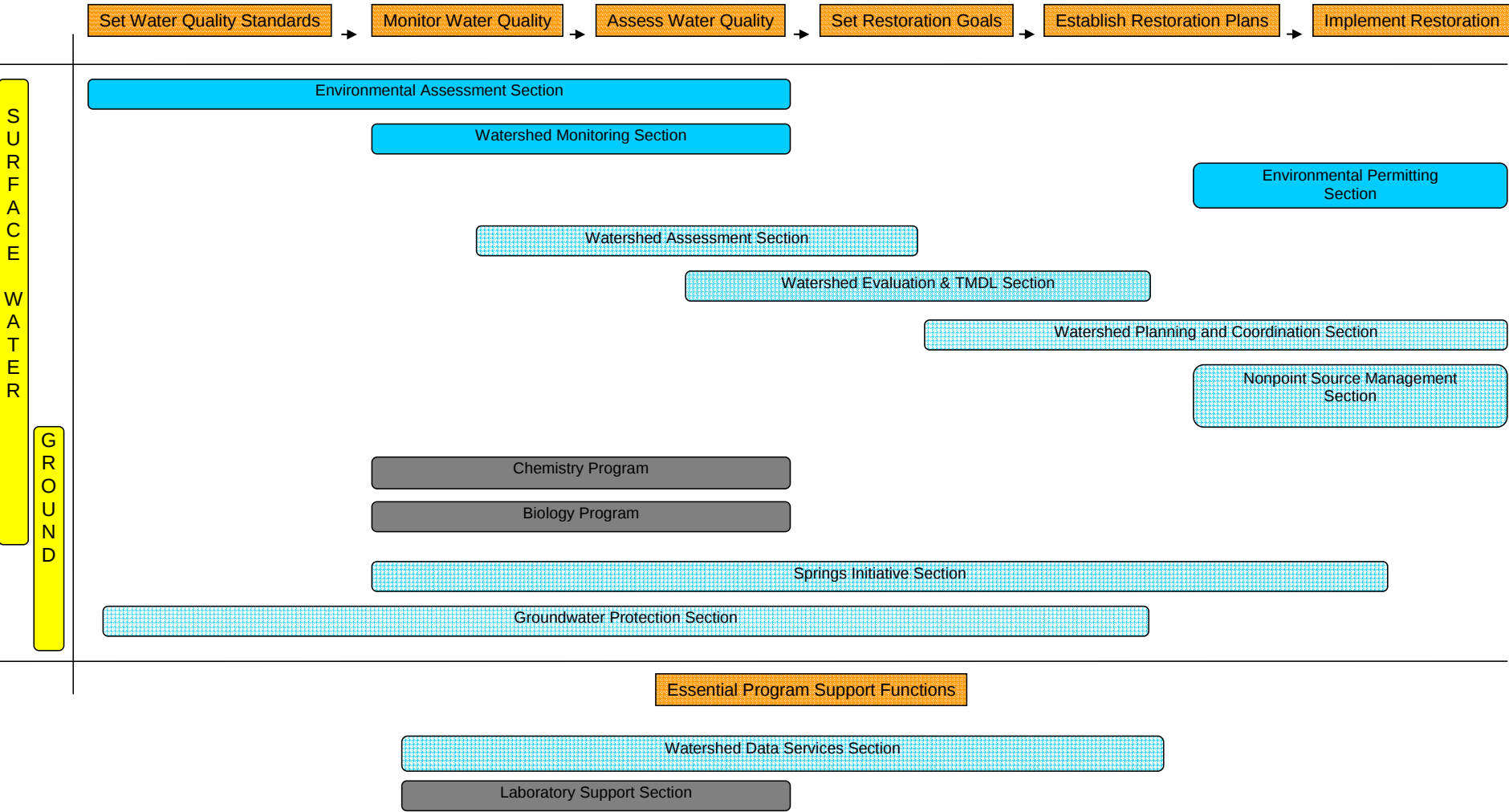
Water Quality Restoration Framework



Division Organization



Water Quality Restoration Framework



DIVISION PRIORITIES

- **Revise Water Quality Standards**
- **Monitor surface and ground waters**
- **Assess surface/ground water health**
- **Establish water quality targets (TMDLs)**
- **Establish and adopt BMAPs**
- **Implement BMAPs**
- **Evaluate success**

- **Focus on nutrient reductions**

DIVISION PRIORITIES

Set Water Quality Standards

- **Nutrient criteria development**
 - Rivers and lakes
 - Estuaries
 - Dissolved oxygen refinement
- **Triennial review**
 - Biology Criteria for Streams & Lakes
 - Fish Consumption Criteria
 - Transparency, Specific Conductance, & Springs Nitrate
- **Recreational Criteria**

DIVISION PRIORITIES

Monitor Water Quality

- **Annual Strategic Monitoring Plan**
- **Trend network**
- **Status probabilistic network revisions**
- **Springs**
- **BMAP implementation monitoring**

DIVISION PRIORITIES

Assess Water Quality

- **Develop and adopt Group 2 Lists**
- **Conduct detailed assessments of consent decree waters**
- **STORET replacement project**
- **WBID Tracker project**
- **Conduct assessments of ground water impacts on surface waters (including Springs)**

DIVISION PRIORITIES

Set Restoration Goals

- **Consent Decree TMDLs by Sept. 30**
 - Middle & Lower St. Johns
 - Tampa Bay Tributaries
 - Apalachicola/Chipola
- **Legislatively mandated TMDLs**
 - Kissimmee/Okeechobee basin
 - NEEPA (Caloosahatchee & St. Lucie Estuaries)
 - Springs
- **TMDLs for Interested Implementors**

DIVISION PRIORITIES

Establish Restoration Plans

- **Four BMAPs adopted so far – Upper Ocklawaha, Orange Creek, Long Branch, & Lower St. Johns**
- **Many underway.**
- **Shell/Prairie/Joshua Creek RAD**
- **Lake Seminole RAD**
- **Keys RAD**

DISTRICT	WATER BODY	IMPAIRMENTS	START	COMPLETE
NW	Perdido Bay Wakulla Springs Bayou Lake Munson/Munson Lake Munson/Munson Juniper creek Black Creek Swamp Creek	DO/Nutrients Nutrients FC FC guidance Doc. DO/Nutrients DO/FC Guidance Doc FC Guidance Doc FC Guidance Doc	December 2009 June 2009 October 2008 January 2009 March 2009 June 2009 December 2009 December 2009	December 2012 June 2011 June 2010 June 2010 December 2010 June 2010 December 2010 January 2011
NE	Lower St. Johns River LSJ Tributaries Suwannee River Santa Fe River Alligator Lake New River	DO/Nutrients Fecal Coliform DO/Nutrients DO/Nutrients DO/Nutrients FC Guidance Doc.	Ongoing Ongoing December 2008 December 2008 February 2009 March 2009	Fall 2009 Fall 2009 July 2011 July 2011 September 2011 December 2009
SW	Tampa Bay reallocation Tampa Bay tributaries Stephenson Creek Lake Hunter Peace Creek Canal Winter Haven Lake Chain Lake Lena	DO/Nutrients FC/DO/Nutrients FC Guidance Doc Nutrients FCDO/Nutrients Nutrients	September 2009 September 2009 March 2009 January 2009 Fall 2008 Fall 2009 Spring 2009	January 2012 January 2012 January 2010 July 2011 Fall 2009 Winter 2011 Winter 2010
CD	Lake Jessup/MSJ River Wekiva River/Springs Indian River Lagoon IRL Tributaries Orlando/ Butler Lake Chain Upper Kissimmee Lake Chain Eau Gallie River / Crane Creek	DO/Nutrients DO/Nutrients DO/Nutrients DO/Nutrients DO/Nutrients DO/Nutrients FC Guidance Doc	Ongoing Fall 2008 January 2009 Fall 2009 Spring 2009 Fall 2008 Spring 2009	Spring 2009 Spring 2010 Spring 2010 January 2011 Spring 2011 Winter 2011 December 2009
SD	Caloosahatchee Estuary Charlotte Harbor Everglades West Coast Lower Kissimmee / Fisheating	DO/nutrients DO/Nutrients/FC DO/Nutrients/FC DO/Nutrients/FC	Winter 2009 Winter 2010 Fall 2008 Winter 2012	Winter 2010 Winter 2012 Winter 2009 Winter 2014
SE	St Lucie Estuary Wagner Creek	DO/nutrients FC Guidance Doc	Spring 2009	December 2009

DIVISION PRIORITIES

Implement BMAPS

- **Track Implementation**
 - Annual Meetings
 - Ongoing Monitoring & Assessment
- **Funding partners with WMDs/local govts**
 - TMDL WQ Restoration Grants – rule adopted in October
 - Section 319 grants – due May each year
 - WMD Initiatives
 - Legislative requests
- **Must have matching funds = SW utility fee**

FOCUS ON REDUCING NUTRIENT LOADS

- Turf grass research project
- Urban fertilizer labeling rule
- Florida friendly landscaping program
- Green Industry BMP program
- Model landscape ordinance
- Irrigation standards
- Passive nutrient septic tank project
- Golf course BMP manual
- Ag/urban nutrient mgmt BMPs
- Unified stormwater treatment rule