

Challenges and Lessons Learned

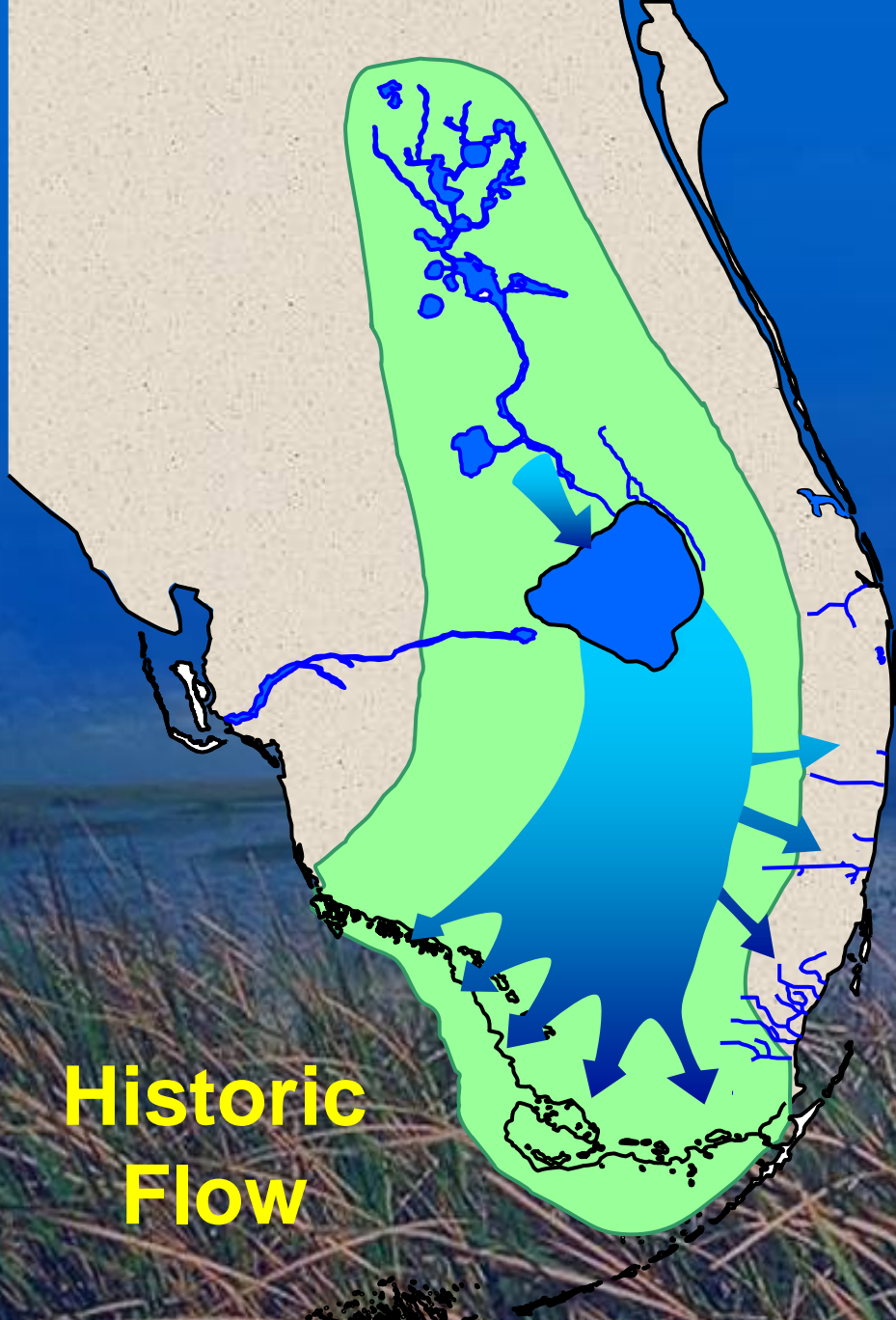
Everglades Louisiana Coastal Area Great Lakes Restoration

NCER 2011

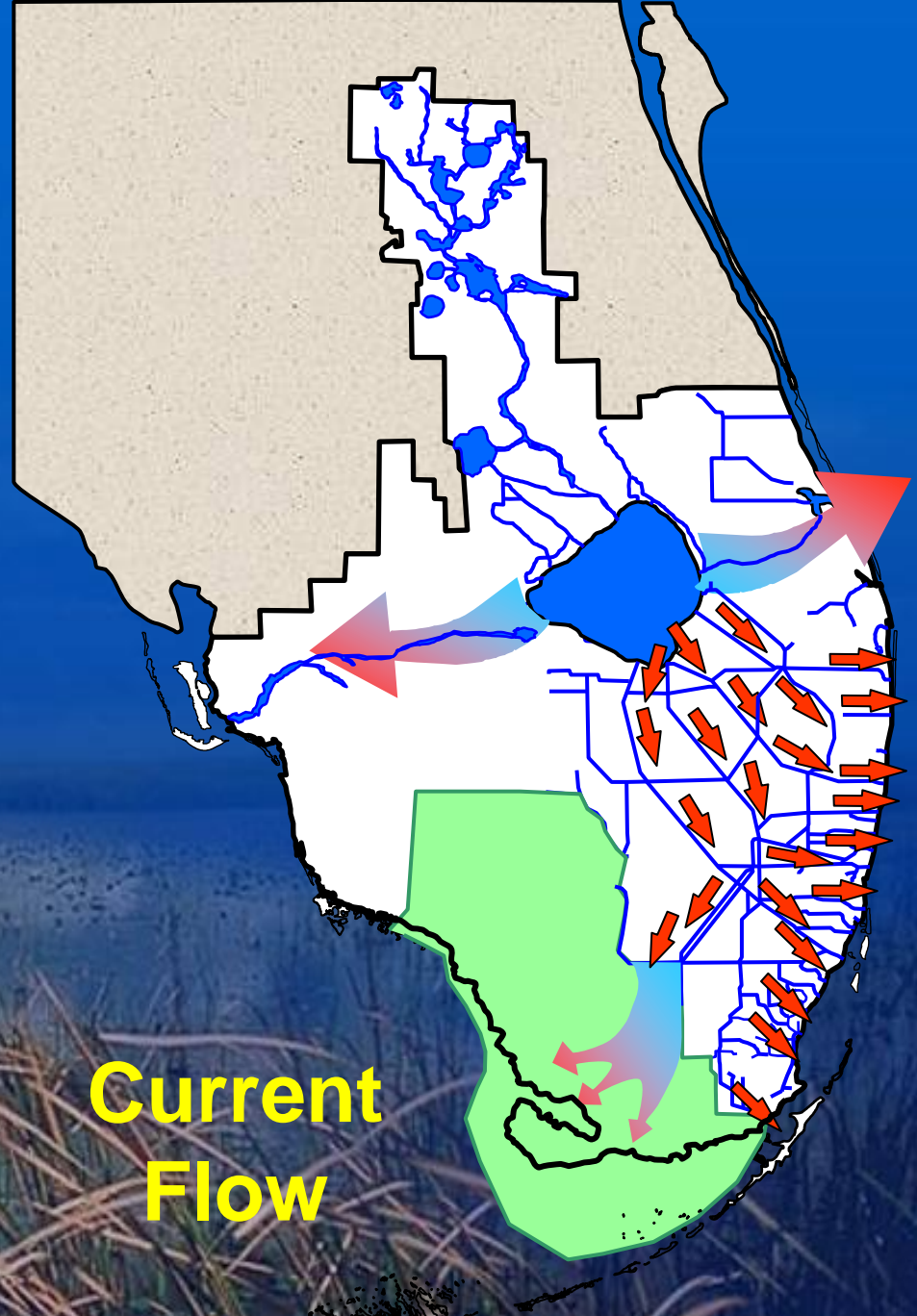




Everglades Program



**Historic
Flow**



**Current
Flow**

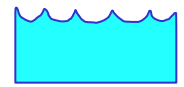
Get the water right...



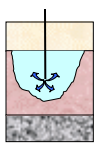
The principal goal of CERP is to deliver the *right amount of water*, of the *right quality*, to the *right places*, and at the *right time*.



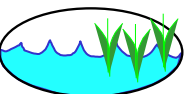
68 CERP Components



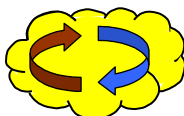
Surface Water Storage Reservoirs – 180,000 acres



Aquifer Storage & Recovery – 330 wells



Stormwater Treatment Areas (STAs) – 36,000 acres



Reuse Wastewater – 2 Regional plants



Seepage Management



Removing Barriers to Sheetflow – 240 miles



Operational Changes - Rainfall Based Deliveries



Louisiana Coastal Area (LCA) Near-Term Plan

Louisiana Coastal Area Ecosystem Restoration WRDA 2007 Title VII

Critical restoration features:

- 1) Mississippi River Gulf Outlet Canal (MRGO) environmental restoration
- 2) Small Diversion at Hope Canal
- 3) Barataria Basin Barrier Shoreline Restoration
- 4) Small Bayou Lafourche reintroduction
- 5) Medium diversion at Myrtle Grove with dedicated dredging
- 6) Multipurpose operation of the Houma Navigation Lock
- 7) Terrebonne Basin Barrier Shoreline Restoration
- 8) Convey Atchafalaya River water to northern Terrebonne marshes
- 9) Small Diversion at Convent/Blind River
- 10) Amite River Diversion Canal Modification
- 11) Medium Diversion at White Ditch
- 12) Gulf Shoreline at Point Au Fer Island
- 13) Land bridge between Caillou Lake and the Gulf of Mexico
- 14) Modification to the Caernarvon diversion
- 15) Modification to Davis Pond diversion

Location of 15 Named Projects



Louisiana Coastal Area (LCA)

- **Cost Share Partners:**
US Army Corps of Engineers and Louisiana Coastal Protection and Restoration Authority
- **Total Estimated Cost:**
WDRA 07 authorization of \$1.99 billion
- **Start Date:**
First cost share agreement was signed November 2008 for the conduct of a feasibility study for 6 near-term restoration projects
- **Ultimate Goal of LCA Projects:**
Provide near-term restoration of coastal Louisiana through the construction of 15 critical projects that include freshwater and sediment diversions from the Mississippi River, restoration of barrier islands, and marsh creation.

Great Lakes Restoration Initiative (GLRI)



Toxic Substances & Areas of Concern



Habitat & Wildlife



Invasive Species



Nearshore Health & Nonpoint Source Pollution

- **5-Year Administration Restoration Initiative**
- **8 States**
- **16 Federal agencies**
- **5 Focus Areas**



Accountability, Monitoring, Education & Partnerships

Great Lakes Restoration Effort

- 5-year initiative of the Administration
- Already provided \$765 million for projects
- Through 16 Federal agencies and grants to the eight Great Lakes states and other non-Federal stakeholders.
- Five regional priorities of the Great Lakes governors and mayors
- Led by the USEPA. USACE is one of the Federal agencies participating in this Initiative.

Panel Members

- Everglades
 - **Larry Gerry** SFWMD, Office of Everglades Policy and Coordination, Chief Scientist
 - **Kim Taplin** USACE Jacksonville, SFWMD Liaison Officer
- LCA
 - **Bren Haase** LA OCPR, Planning Manager
 - **Mark Wingate** USACE New Orleans, Chief Projects and Restoration Branch
- Great Lakes Program
 - **Jeff Skelding** NGO Community, Director, Healing Our Waters – Great Lakes Coalition
 - **Jan Miller** USACE Great Lakes and Ohio River Division, Program Manager

Panel Discussion Topics

- People/Relationships
- Process
- Execution/Funding
- What Worked Well, What Didn't,
And What Would You Do Differently





4th National Conference on Ecosystem Restoration

The Spirit of Cooperation



AUGUST 1-5, 2011 | BALTIMORE, MARYLAND • USA | BALTIMORE MARRIOTT WATERFRONT

Join us at the Plenary Social – 5 PM
The Future of NCER
Happy Hour Refreshments Provided ☺