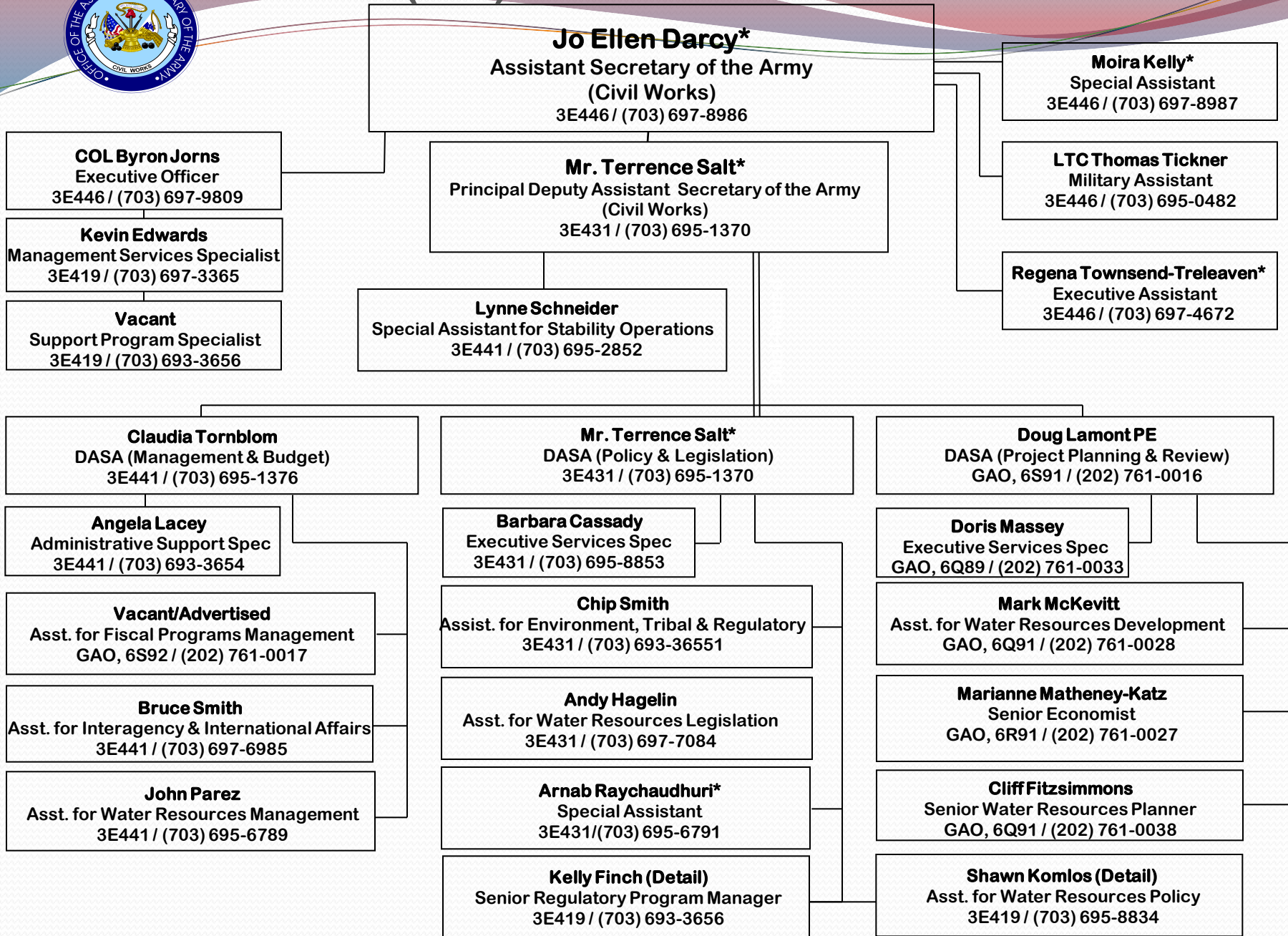


Proactive Solutions for America's Water Resources Needs: Planning for Tomorrow's Challenges

National Conference on
Ecosystem Restoration
August 1-5, 2011
Baltimore, MD



OASA(CW) ORGANIZATION CHART



ASA-CW

Area of Operations



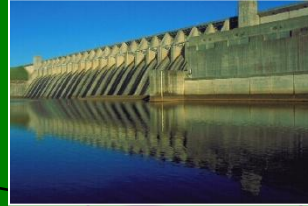
Army Civil Works

Value to the Nation

Recreation areas
376 M Visitors/yr
Generate \$15 B in economic activity,
500,000 jobs



¼ of Nation's
Hydropower:
\$500 M + in
power sales



11,000 miles of
Commercial Inland
Waterways:
½ the cost of rail
1/10 the cost of trucks

299 Deep Draft
Harbors



400 miles of
Shore protection
Destination for
75% of U.S.
Vacations



627 Shallow Draft Harbors

8500 Miles of Levees



Emergency
Operations



Stewardship of
11.7 Million Acres
Public Lands



Environmental
Restoration

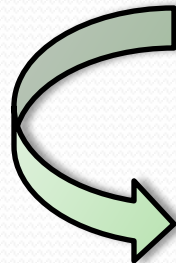


Regulatory
Responsibilities

- US Ports & Waterways convey > 2B Tons Commerce
- Foreign Trade alone creates > \$160 B Tax Revenues

Evolution of Ecosystem Restoration

- Pre-WRDA 86 – flood “control” and navigation dominated.
- ~1986-2001 – initial restoration efforts
- ~2002-present – implementation experience; improving science; evolving paradigms



Environmental Restoration Work

Army Corps of Engineers

- Nations leader in environmental restoration and protection
- Ecosystem restoration is a high priority purpose equivalent to historical missions of flood protection and navigation
- Restore ecosystem structure, function, and processes
- As self-sustaining as practicable to reduce O&M and >success
- Single or multiple purpose projects (e.g., flood protection & ecosystem restoration)
- Flexibility to use science and habitat-based evaluations to determine project benefits and impacts
- Sec 204 - Beneficial Use of Dredged Material for Ecosystem Restoration
- Sec 206 - Aquatic Ecosystem Restoration
- Sec 1135 - Project Modification for the Improvement of the Environment
- Specifically Authorized Environmental Projects



8 Current Administration Priorities

(alphabetical order)

- CALFED Bay Delta (San Francisco)
- Chesapeake Bay, MD, VA, PA
- Columbia & Snake River Systems
- Florida Everglades
- Great Lakes
- Gulf Coast
- Puget Sound
- Upper Mississippi River System (IA, IL, MN, MO, WI)
- ***[Note: Corps added the Missouri and Ohio River Systems to this list]***



What Defines the 10 Ecosystems

- Indian Tribes (federal trust responsibility & treaty rights)
- Previous manipulation/development = degradation
- Large, multi-jurisdiction ecosystems = finger-pointing
- Citizens, farmers, ranchers, M&I users, businesses, various levels of government = balancing needs
- Myriad key, well-known species, many threatened or endangered, or heading that direction = single species or systems focus?



Missouri River: Multiple Purposes, Multiple Interests

IRRIGATION

RESERVOIR FISH

M&I WATER SUPPLY

HISTORIC PROPERTIES

TERNs AND PLOVERS
(Endangered & Threatened)

RECREATION

HYDROPOWER

WETLAND HABITAT

ENVIRONMENTAL JUSTICE

TREATY AND TRUST

RIPARIAN HABITAT

WATER QUALITY

FLOOD CONTROL

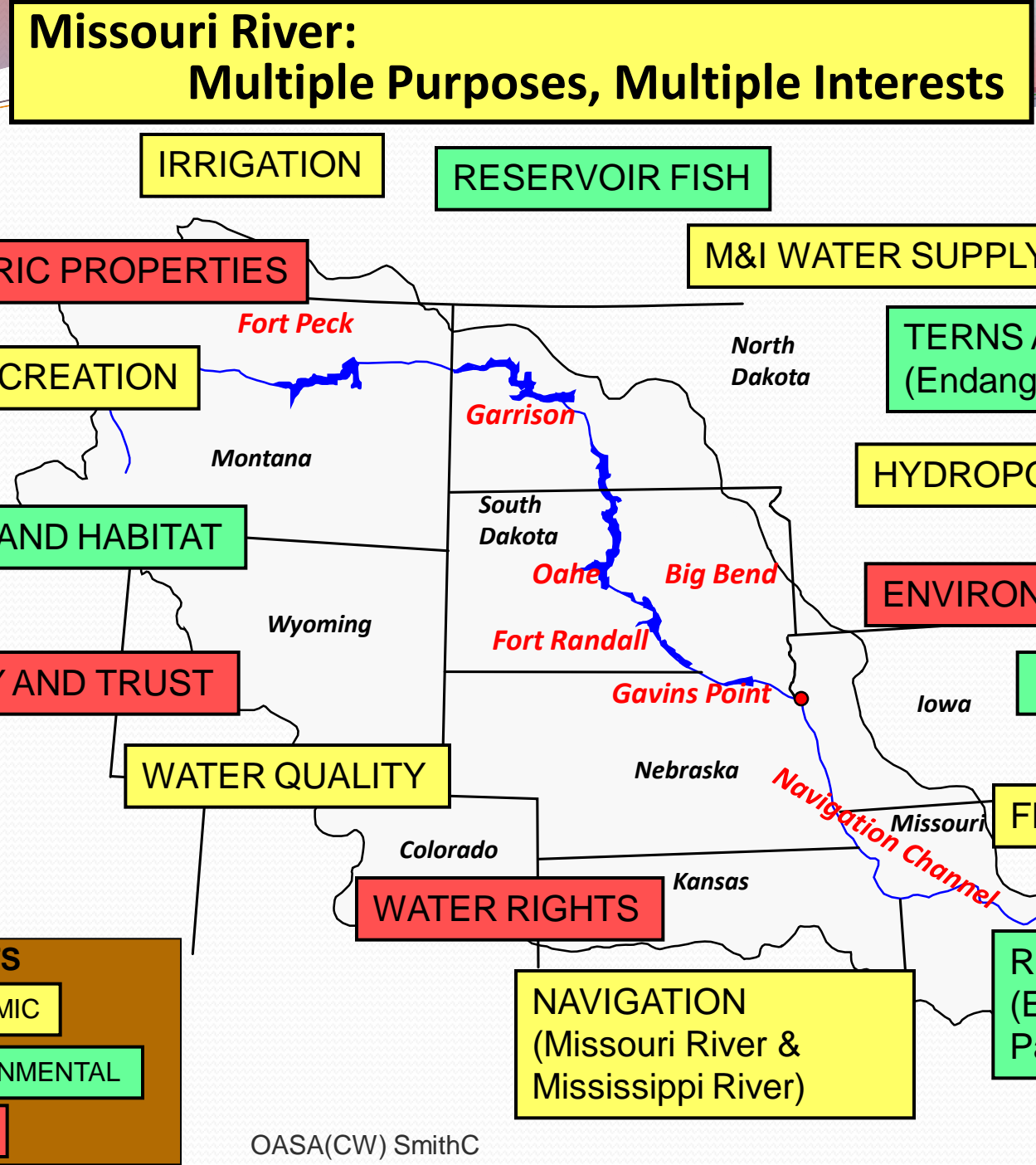
WATER RIGHTS

NAVIGATION
(Missouri River & Mississippi River)

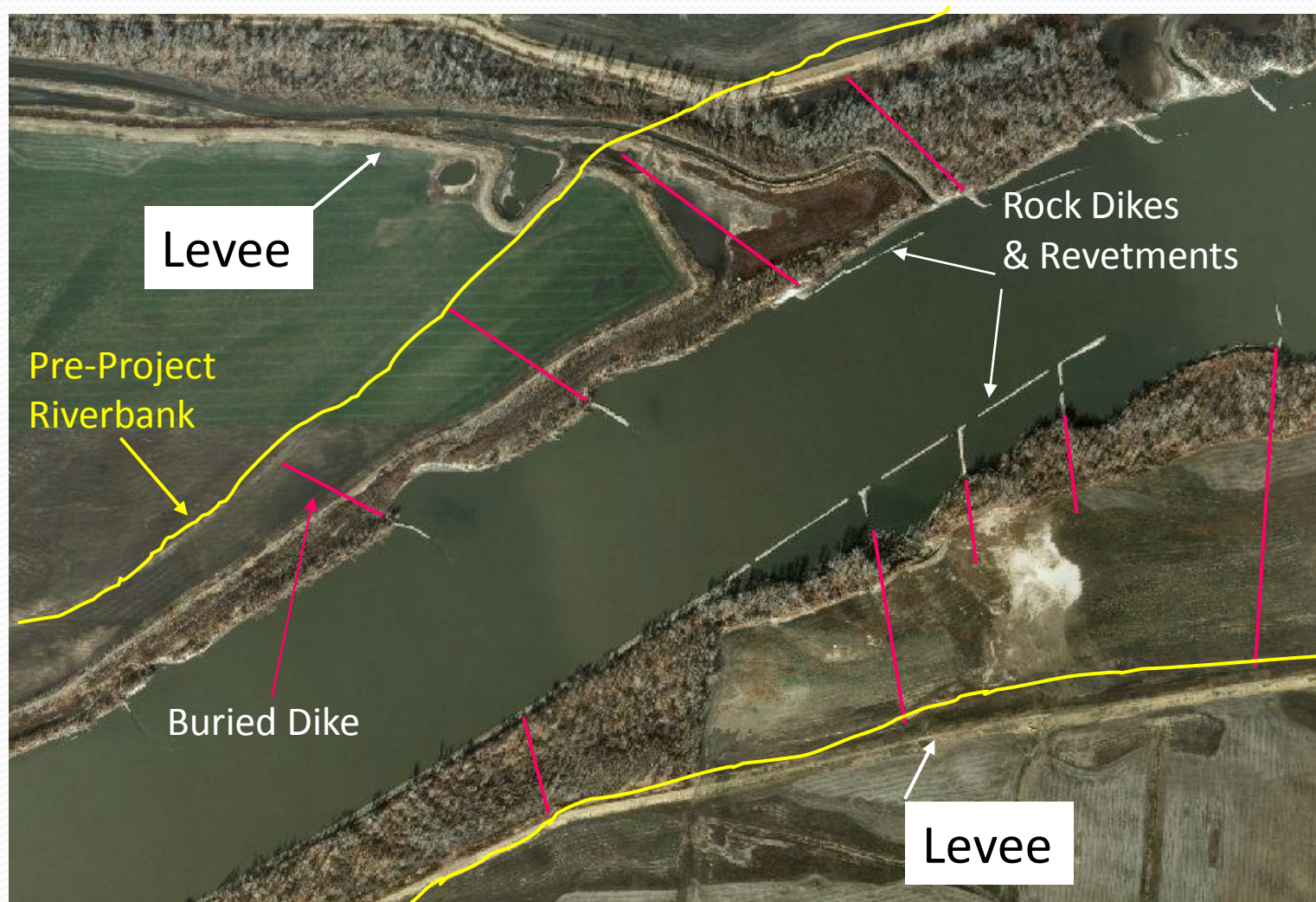
RIVERINE FISH
(Endangered Pallid Sturgeon)

INTERESTS

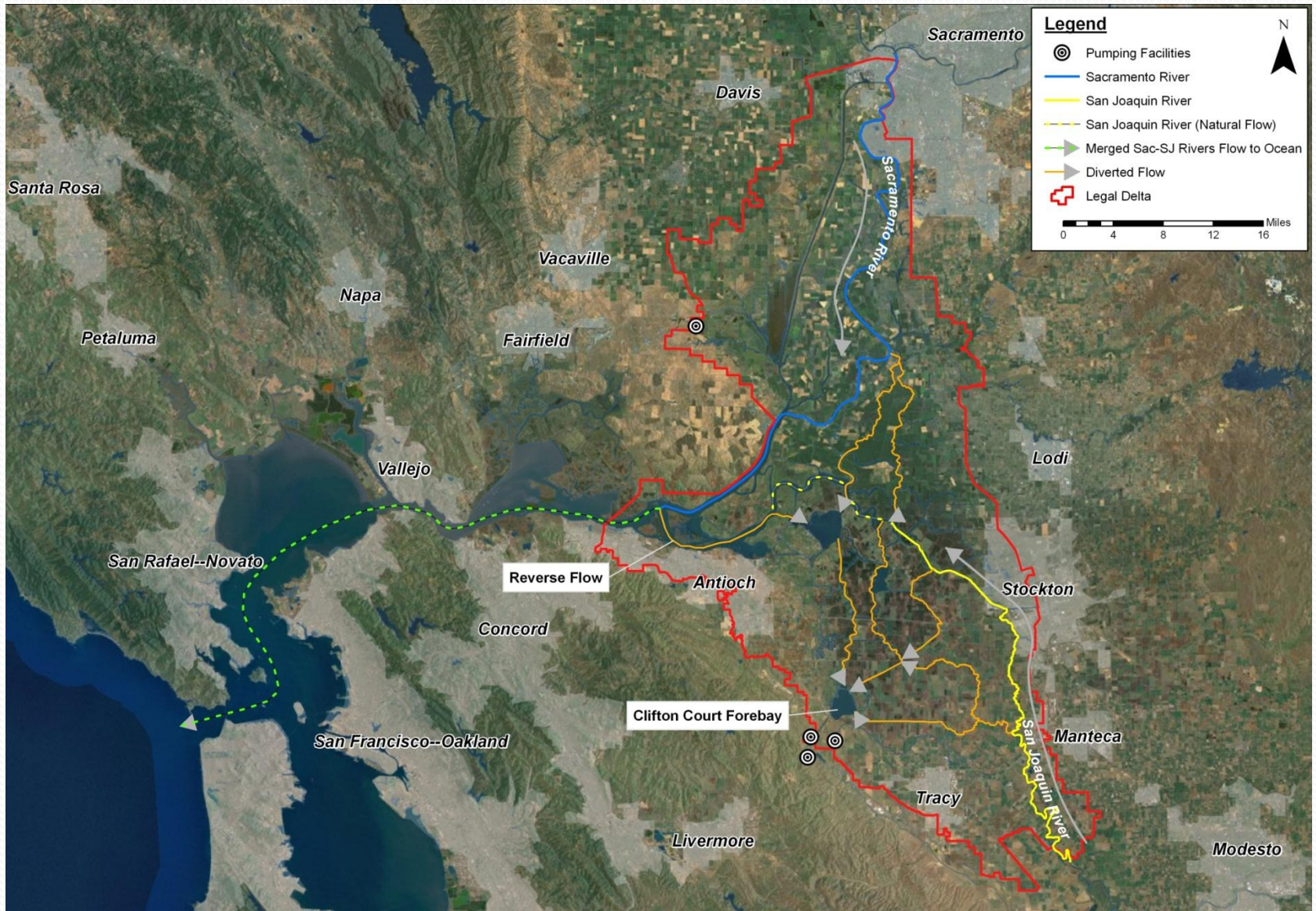
- ECONOMIC
- ENVIRONMENTAL
- TRIBAL



Lower Missouri River



Legal "CA Bay-Delta"



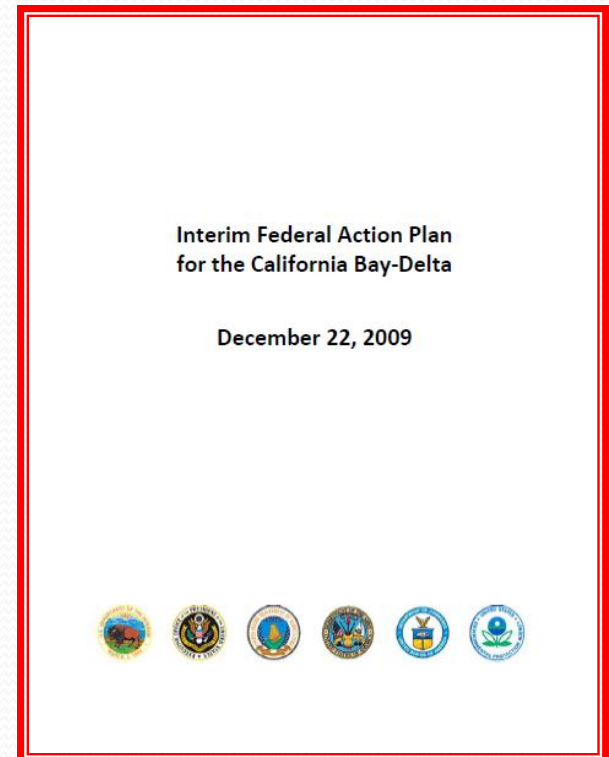
CA Bay-Delta Federal MOU



- MOU – CEQ, DOI, Army, USDSA, Commerce, EPA
- Acknowledges decades of degradation
- Environs a healthy, sustainable ecosystem
- Collaborate with tribal & state gov'ts, stakeholders and NGOs
- Establishes structure for coordinating & streamlining federal actions
- Leadership Committee

Interim Federal Agency Action Plan, Dec 2009

- Describes federal actions & investments addressing water supply and ecological crises (identify, mitigate stressors, restoration project, fish activities)
- Work closely with State and local authorities
- Promotes science-based decisions & ensure effective performance (BDCP)
- Ensure smarter supply & use of water (permitting & construction)
- Deliver drought relief services & integrated flood risk management (CVIFMS, CALFED Levee Stability Program, Delta Islands & Levees Feasibility Study)





California's Delta

In Search of a Permanent Solution

Success in the Delta Requires
a Systems Approach

Questions?



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