U.S. Army Corps of Engineers

Environmental Operating Principles

1. *Strive to achieve Environmental Sustainability.*
2. *Recognize the interdependence of life and the physical environment.*
3. *Seek balance and synergy among human development activities and natural systems*
4. *Continue to accept corporate responsibility and accountability*
5. *Seek ways and means to assess and mitigate cumulative impacts*
6. *Build and share an integrated scientific, economic & social knowledge base*
7. *Respect the views of interested individuals and groups*

"Leaders set the Direction"

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Environmental Sustainability

A process whereby environmental and economic considerations are effectively balanced in project planning, design, construction, operation and maintenance …

… Not “bolted on” at the end

U.S. Army Corps of Engineers

Policy for Environmental Sustainability

- Consistent with *Principles and Guidelines*
- Formulate multi-purpose plans that produce both economic and environmental benefits
- More fully integrate the consideration of the environment throughout the life cycle of the project

"*Build projects for all stakeholders*"

U.S. Army Corps of Engineers

Civil Works Strategic Plan

March 2004

Goal 1: Provide sustainable development and integrated management of the Nation's water resources

Goal 2: Repair past environmental degradation and prevent future environmental losses

Goal 3: Ensure that projects perform to meet authorized purposes and evolving conditions

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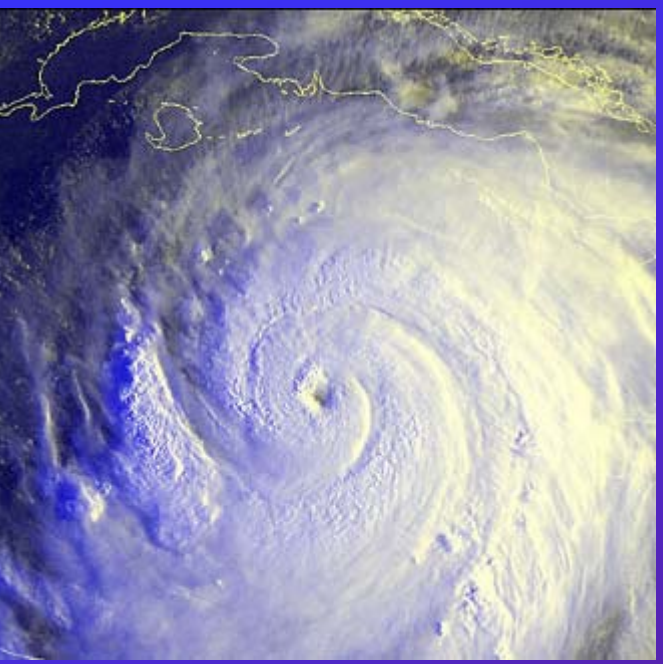
Civil Works Strategic Plan

March 2004



Goal 4: Reduce vulnerabilities and losses to the nation and the Army from natural and man-made disasters, including terrorism

Goal 5: Be a world-class public engineering organization

U.S. Army Corps of Engineers

Comprehensive Everglades Restoration

Multiple Purpose Focus

Framework for restoring this ecosystem and providing for other water-related needs of the region

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Comprehensive Everglades Restoration

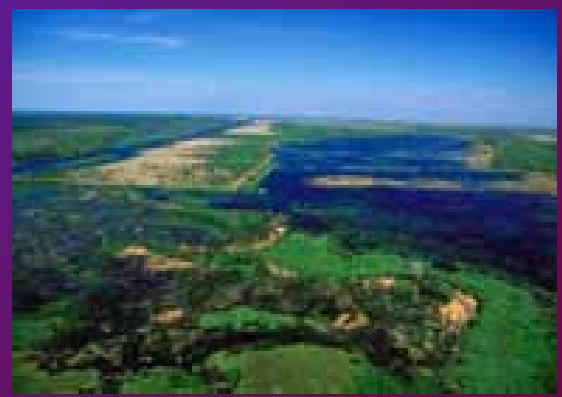
Collaborative Partnership

16 county governments,
over 130 municipalities
2 tribal governments,
numerous special interests
6 Metropolitan Planning organizations
5 Regional Planning Councils

South Florida Water Management District

5 State environmental and planning agencies

8 Federal agencies



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Louisiana Coastal Area Ecosystem Restoration

Comprehensive Coastwide Ecosystem Restoration Feasibility Study

- Sustain a coastal ecosystem with the essential functions and values of the natural ecosystem through development of a comprehensive plan
- Study will identify and explore long-range, large-scale ecosystem restoration strategies to restore and protect coastal Louisiana
- Corps-State partnering agreement signed in Baton Rouge, 31 Jan 05

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Proposed Actions from *Coast 2050* Studies

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STUDY AUTHORITY

- HOUSE RESOLUTION 2425, ADOPTED MAY 17, 1994

- GILA RIVER AND TRIBUTARIES, FLOOD CONTROL ACT OF 1938

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STUDY PURPOSE

- ESTABLISH FEASIBILITY OF ENVIRONMENTAL RESTORATION, FLOOD CONTROL AND RECREATION
- PRESENT STUDY RESULTS AND FINDINGS
- SHOW COMPLIANCE WITH STATUTES, EXECUTIVE ORDERS, AND POLICY GUIDANCE
- DOCUMENTATION REPORT FOR DECISION MAKERS

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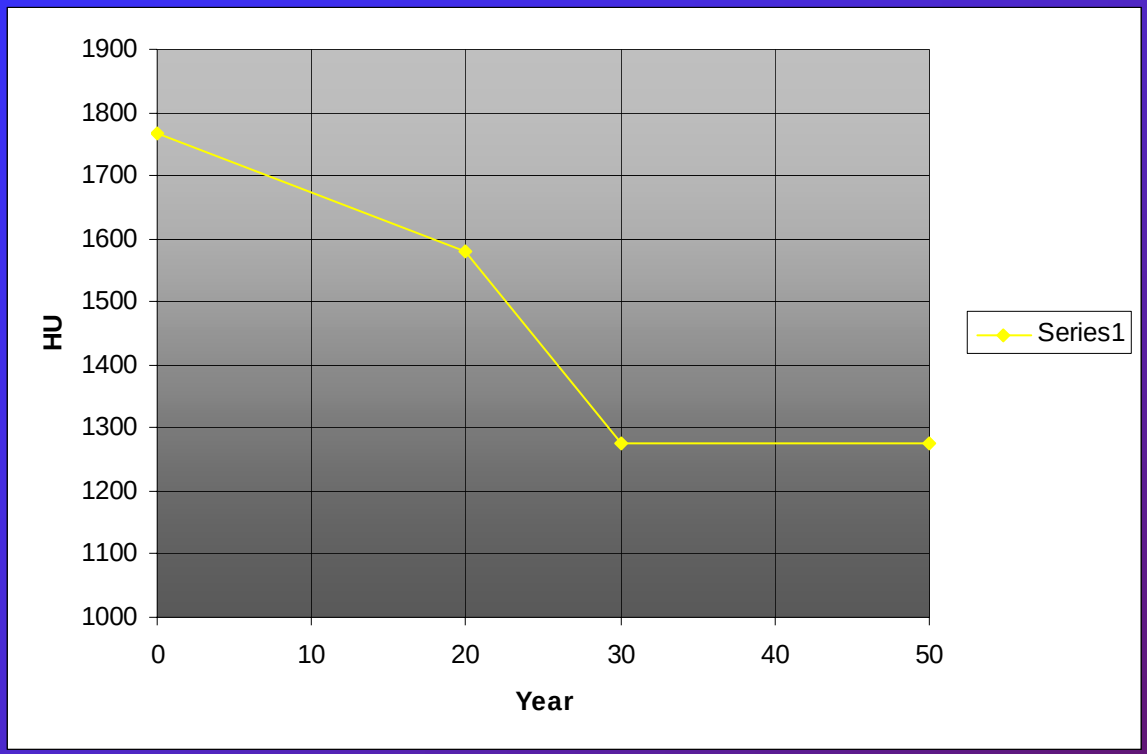

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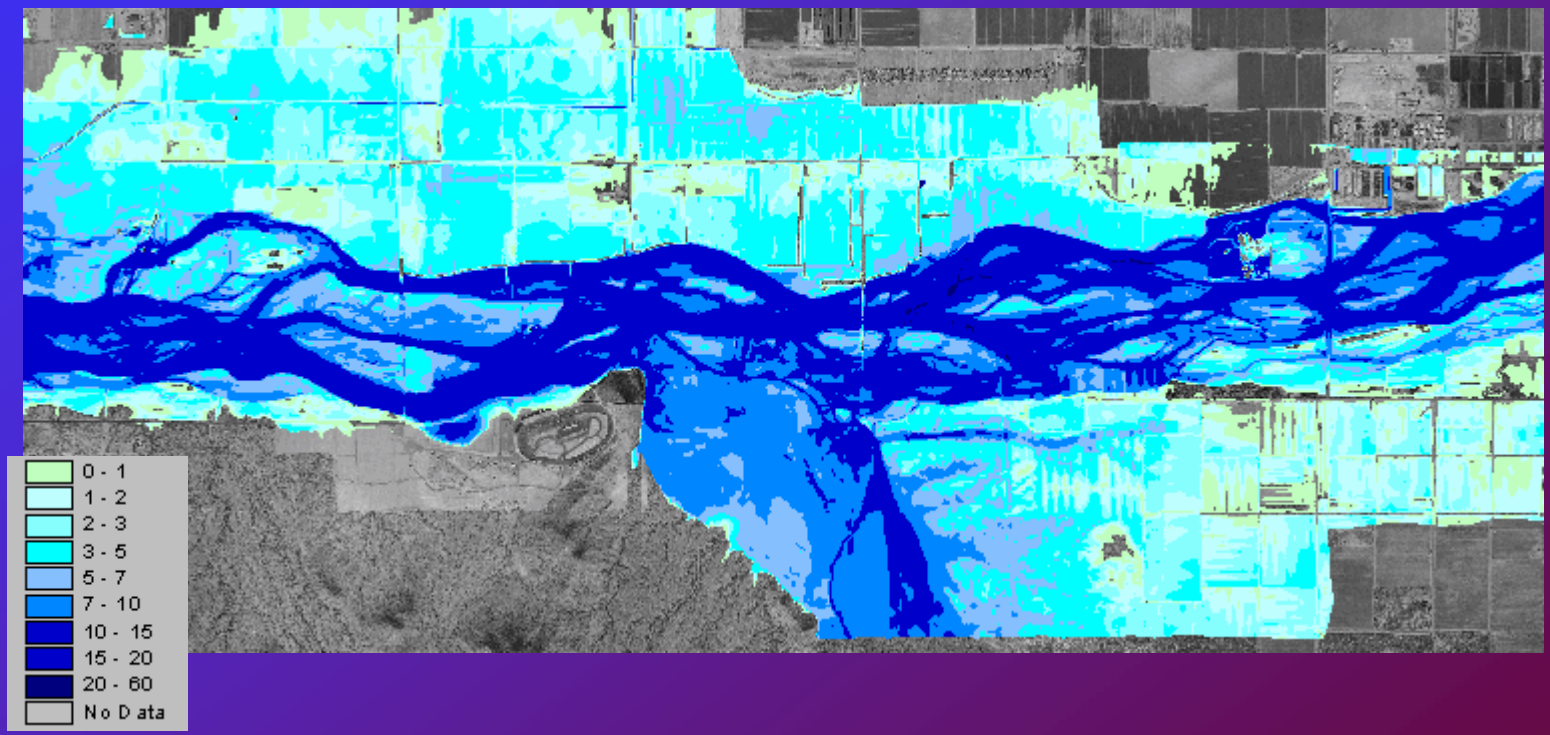
100 YEAR WITHOUT



Depth Grid

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FLOOD DAMAGES

TYPE	# OF UNITS
STRUCTURES AND CONTENTS	611
AGRICULTURE	2005 ACRES
EMERGENCY AND CLEAN-UP COSTS	

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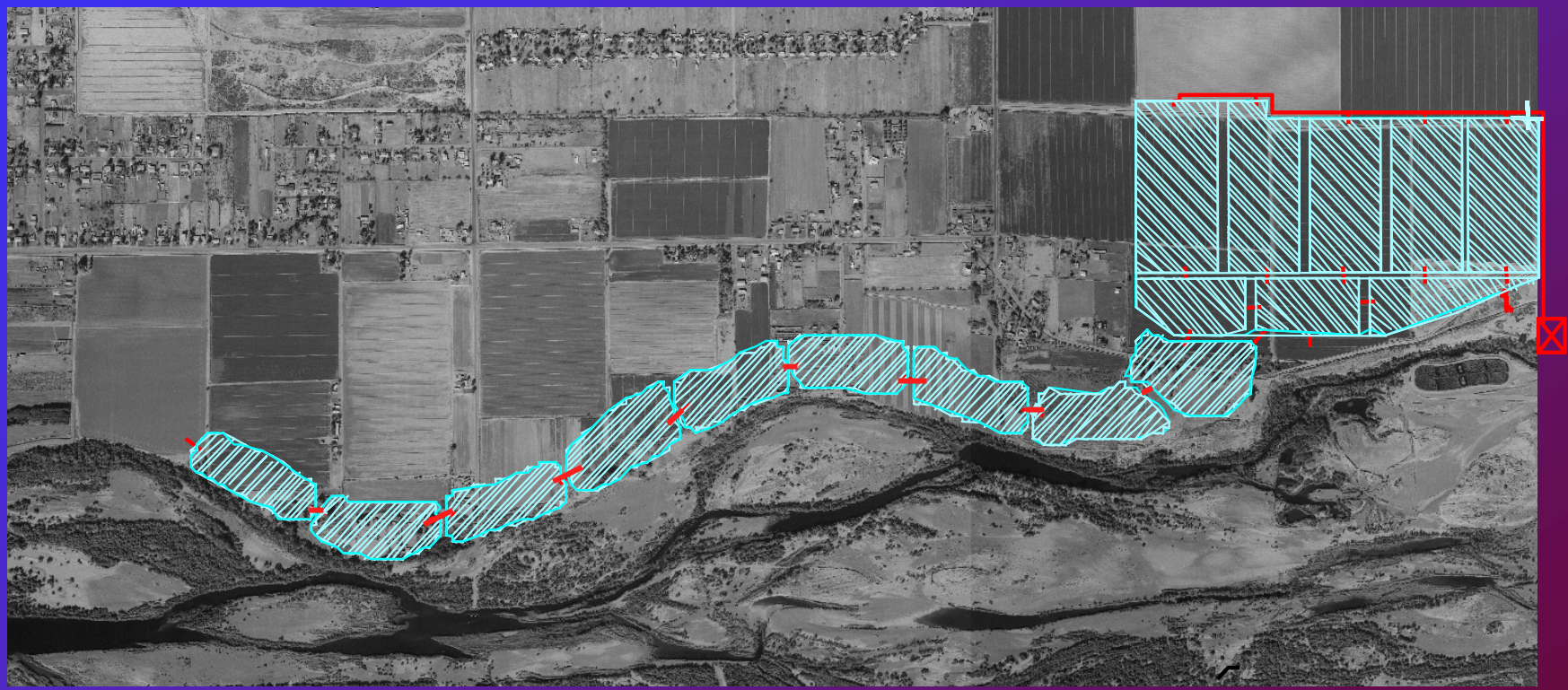
CONSTRUCTED WETLANDS



CONSTRUCTED WETLANDS

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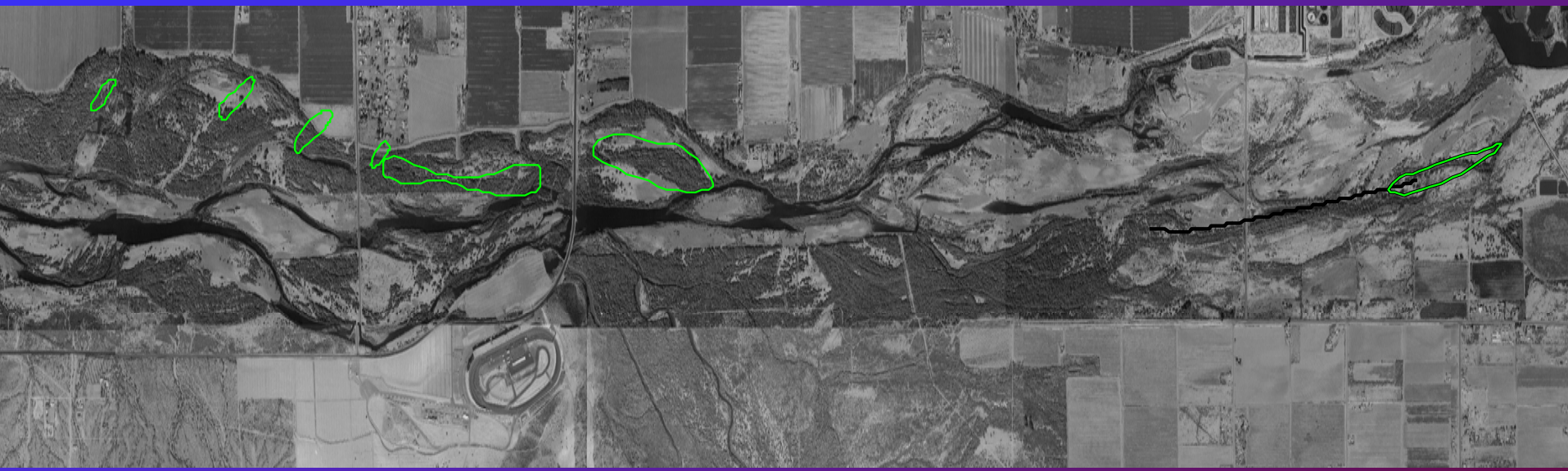
RIPARIAN CORRIDORS



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RIPARIAN CORRIDORS

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OPEN WATER MARSH

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OPEN WATER MARSH

RIO SALADO, SALT RIVER, AZ

TYPE: Construction General – Environmental Restoration

LOCATION: City of Phoenix between I-10 and 19th Avenue. City of Tempe along 1.3 miles of Indian Bend Wash and portions of the Salt River both upstream and downstream of Tempe Town Lake.

AUTHORIZATION: Water Resources Development Act of 1999

NON-FEDERAL SPONSOR: Cities of Phoenix and Tempe.

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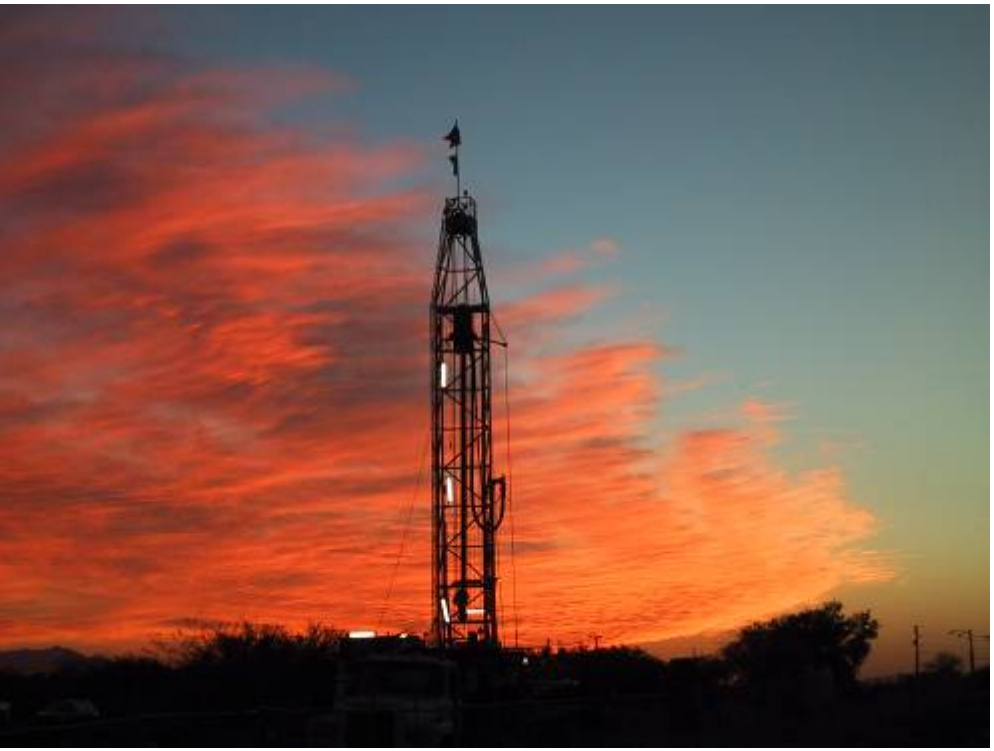
Tempe Town Lake
After Construction

Rio Salado Water Supply
Five Wells Installed



CONSTRUCTED WETLANDS

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RIPARIAN CORRIDORS

RIO SALADO PROJECT COST

- **Total Restoration First Cost**
  - **Phoenix $78,652,000**
  - **Tempe $ 6,974,000**
    - **Cost Sharing 65% Federal & 35% Sponsor**
- **Total Recreation First Cost**
  - **Phoenix $6,837,000**
  - **Tempe $ 726,000**
    - **Cost Sharing 50% Federal & 50% Sponsor**

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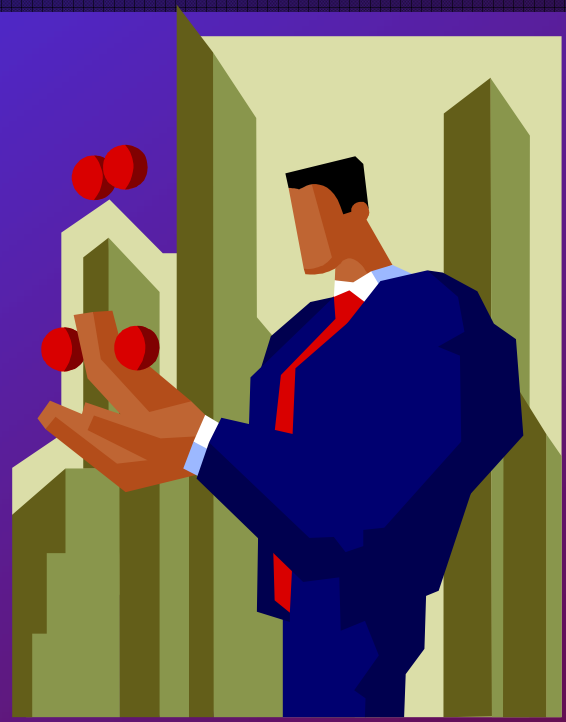
Performance Based Budgeting

- Concept: Fund government activities providing most benefits per tax dollar.
- Authorized in Gov't Performance & Results Act, 1993; introduced in FY05 and FY06 budgets.
- Funding prioritization, amounts going to projects and activities, will vary greatly from that traditionally seen.
- Priority to activities best meeting performance measures
- No business, account or regional element guaranteed a "pot".
- All activities will live by their performance.



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Which Projects Make the Cut?

Performance Measures

- Remaining benefit-cost ratio (project specific)
- Annual Net Benefits
- % of projects recommended that apply watershed principles
- % of time navigation infrastructure with high levels of commercial traffic sustains functional purpose
- % of Corps administered mitigation acres meeting requirements

Ranking Criteria

- Remaining Benefit-Cost Ratio
- # People at risk in 100-year floodplain
- Years to complete phase (study, PED or project)
- Continue construction at last year's level, then Remaining Benefit-Cost Ratio
- Last year feasibility
- "Normal" operations high use
- Loss prevention for significant natural resources
- Endangered Species Act activities

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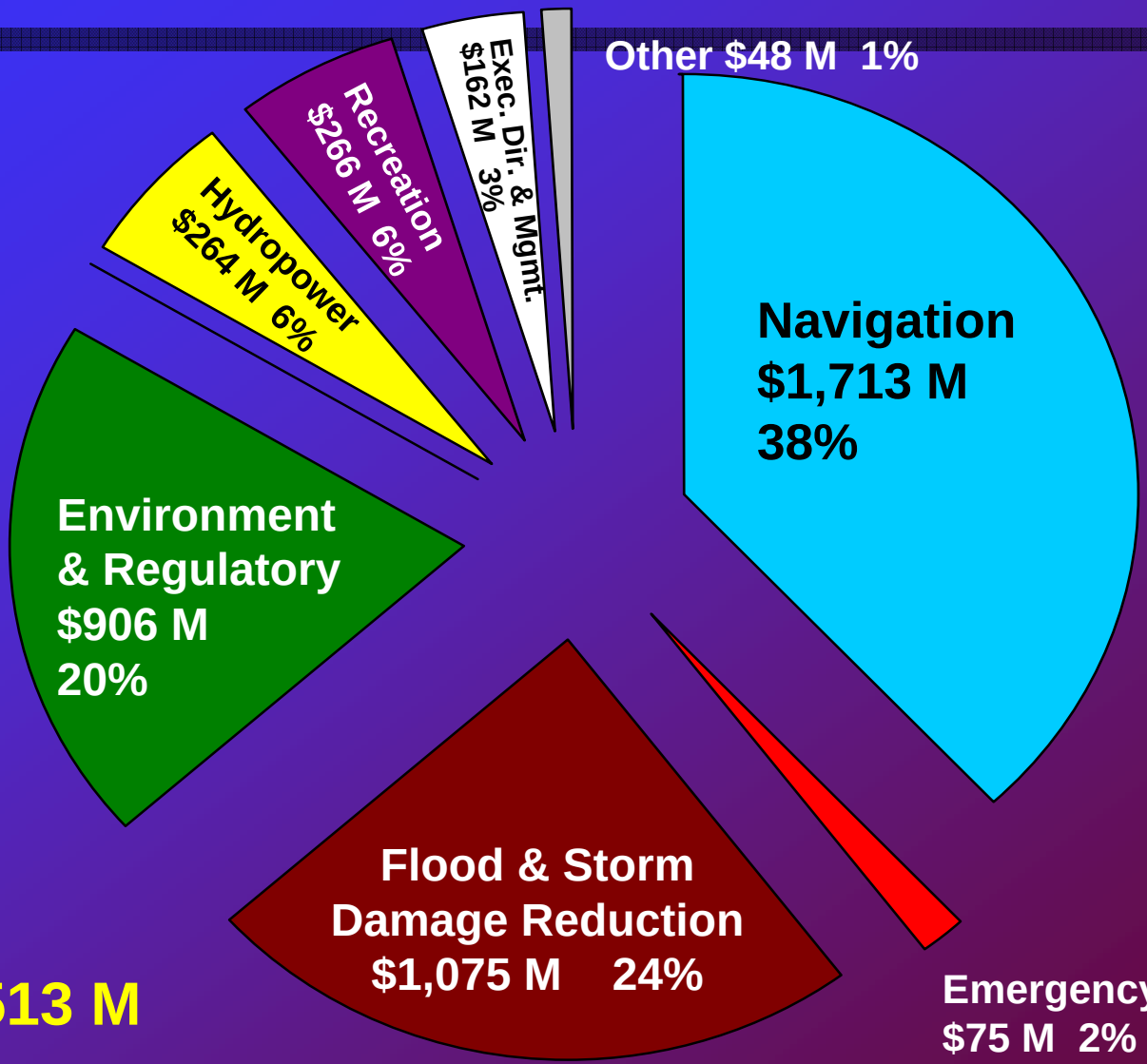
FY 06 Budget by Business Line



Total = $4,513 M

U.S. Army Corps of Engineers

The Budget Future

- Continued operations in a fiscally constrained environment
- Growing Congressional interest in 5-Year plan to focus $ on high pay-off projects and hold back others
- Refine performance and prioritization measures
- ***One Team!***

Only so much fishin' you can do in a small pool