


Flood Risk Management Program
 US Army Corps of Engineers
 Ed Hecker, Chief, Office of Homeland Security



ASCE/SAME Levee Conference
 24 July 2007
 Sacramento, CA

Flood Risk Management Program
 US Army Corps of Engineers

Vision: To lead collaborative, comprehensive and sustainable national flood risk management to improve public safety and reduce flood damages to our country.

Mission: To integrate and synchronize the ongoing, diverse flood risk management projects, programs and authorities of the US Army Corps of Engineers, and with counterpart projects, programs and authorities of FEMA, other Federal agencies, state organizations and regional and local agencies.



National Flood Risk Management Program



Flood Risk Management Program
 US Army Corps of Engineers

Strategic Goals

1. Provide current accurate floodplain information to the public and decision makers.
2. Identify and assess flood hazards posed by aging flood damage reduction infrastructure.
3. Improve public awareness and comprehension of flood risk.
4. Integrate flood damage and flood hazard reduction programs across local, State, and Federal agencies.
5. Improve capabilities to collaboratively deliver and sustain flood damage reduction and flood hazard mitigation services to the nation.

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EVENTS SHAPE NATIONAL POLICY



Preparation in case of natural event
 Human Activity
 Modify Human Activity
 Natural Event
 Actions During Event
 Response After Event
 Risk management must deal with multiple phenomenon over the long term

Flood Risk Management Program
 US Army Corps of Engineers

Executive Direction: USACE Senior Leadership Oversight Ed Hecker

Principal Advisory Group: USACE/FEMA

Program Director: Pete Rabbon

External Coordination (Interagency Flood Risk Management Group)

ENGINEERING: Flood Mapping & Certifications

OPS: Inventory & Assessments

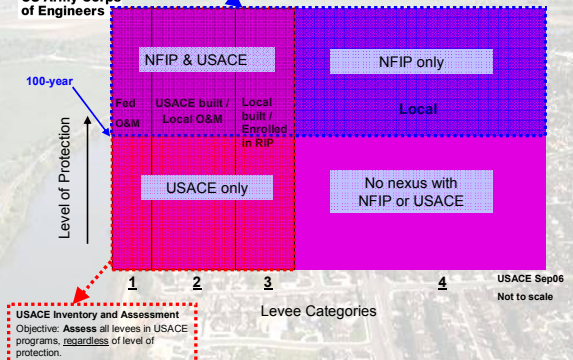
PLANNING: Existing Infrastructure & Inspections Review

PROGRAMS: Initiatives, Policy & Legislation; Projects & Pre-Flood Programs

Universe of Levees

Objective: Communicate the most current information for flood insurance purposes.

USACE Inventory and Assessment Objective: Assess all levees in USACE programs, regardless of level of protection.



Level of Protection	100-year	Fed O&M / USACE built / Local O&M	Local built / Enrolled in RIP	USACE only	NFIP & USACE	NFIP only	Local	No nexus with NFIP or USACE
		1	2	3	4	1	2	3
		Levee Categories						

USACE Sep06
 Not to scale

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Flood Mapping & Certifications

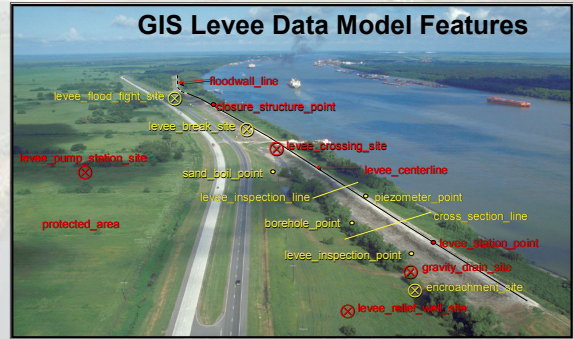
- Provisionally Accredited Levees and Maintenance Deficiency Correction Period




Engineering Technical Letter

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Inventory and Assessments


GIS Levee Data Model Features



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Inventory & Assessments

Sacramento is one of 5 pilot Districts for the National Levee Database Detailed Surveys

- Nationwide Detailed Inventory on Corps Program Levees
- Nationwide Assessments on Corps Program Levees



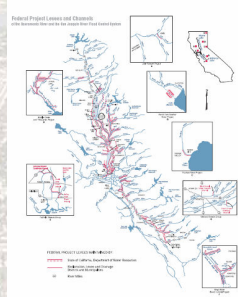
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Inventory and Assessments

Why Beta Tests and Risk Assessment Process?



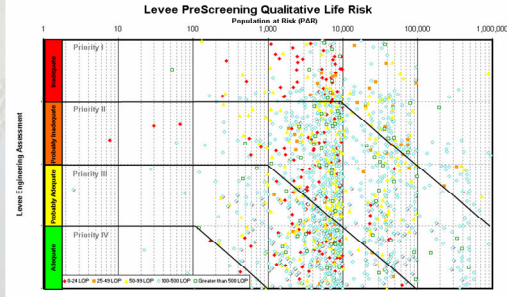
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Existing Infrastructure & Inspections Review

Levee Type	National Miles	California Miles
USACE O&M	260	0
USACE & Local shared O&M	1880	0
Transferred for local O&M	9676	2148
RIP	1816	112



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Existing Infrastructure & Inspections Review

Levee PreScreening Qualitative Life Risk



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“single, consistent, and complete inspections”

LEVEE OWNER'S MANUAL FOR NON-FEDERAL FLOOD CONTROL WORKS
 THE REHABILITATION AND INSPECTION PROGRAM
 PUBLIC LAW 84-99
 MARCH 2006



“vegetation on levees”

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Vegetation policy development includes 2 steps:

- Existing public safety standards will be reviewed, based on current engineering practice and science. Additional science or engineering may be required.
- An implementation plan will be created to enforce the standards nationwide; some regional variance may be considered, but all must support life safety.



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Existing Infrastructure & Inspections Review

- Project Delivery Team is currently responding to all comments on the draft vegetation white paper (over 1000 comments)
- Corps will collaborate with other federal and non-federal agencies, and include regulatory agencies
- Nationwide Standards will be based on engineering and science.
- Implementation plan, due out at the end of 2007.
- A National PDT has been established to determine standards and implementation strategies



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Initiatives, Policy & Legislation
 National Policy Summit



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Initiatives, Policy & Legislation



SILVER JACKETS - OHIO



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Projects & Pre-Flood Programs

Seamless Programs



Watershed Approach



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Our Shared Future

- Safe and informed public that's empowered to take responsibility
- Clear national policy and standards
- Sustainable systems

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<http://www.ivr.usace.army.mil/nfrmp/>



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Questions, Comments, Clarifications?

