

The background of the slide features a close-up of the American flag, showing the stars and stripes. In the lower right quadrant, there is a small, golden, stylized illustration of a castle or fortification with two towers and a central archway. The text is overlaid on the flag's blue field and white stripes.

US Army Corps of Engineers Levee Safety Update

Levee Safety Program
Eric Halpin, P.E.
5 March 2008



Levee Safety Program

- Transitions to a Robust USACE Levee Safety Program
 - Direction
 - People
 - Process
- National Levee Safety Program – Title IX of Water Resources Development Act of 2007



Levee Safety...

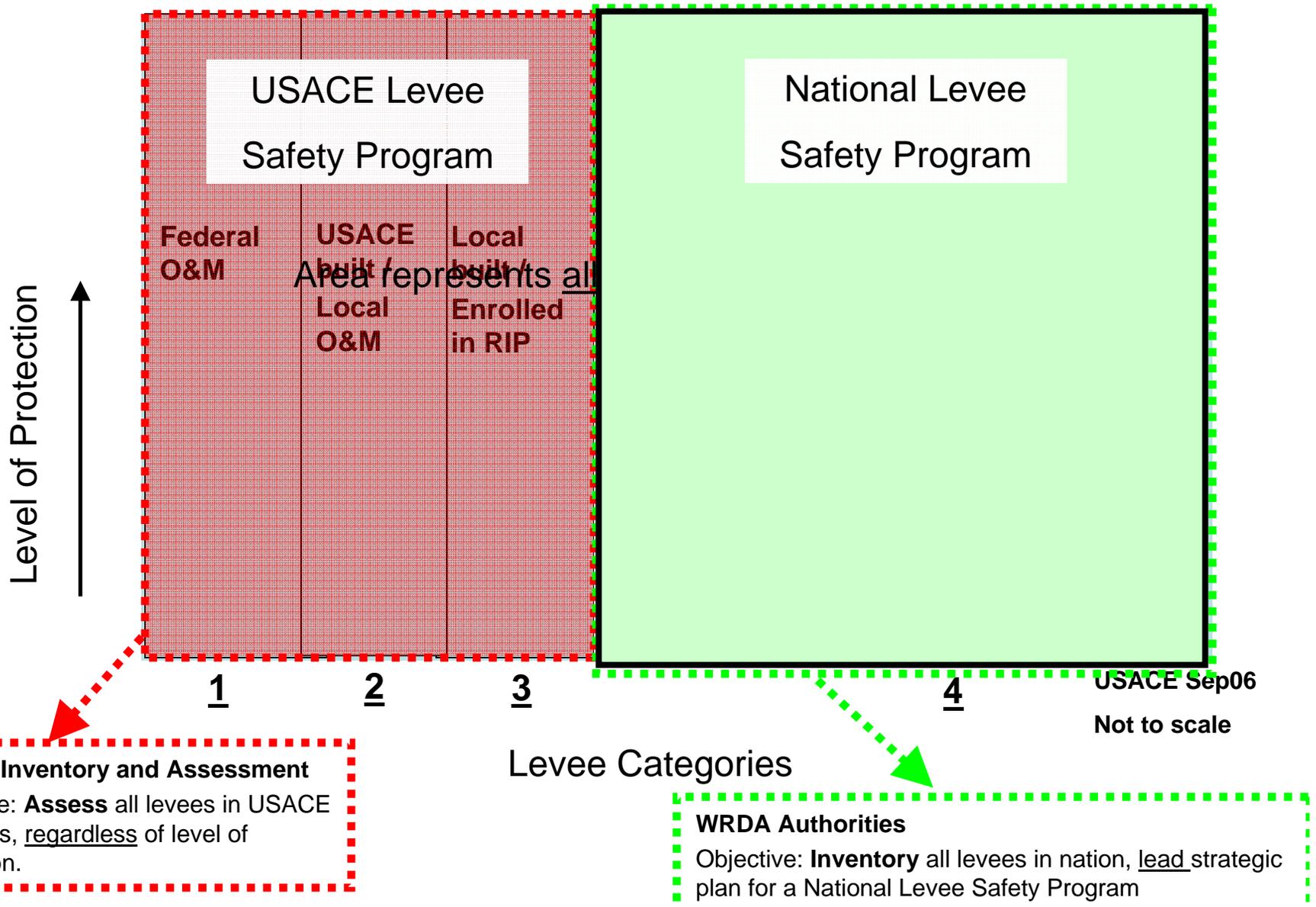


West Columbus, Ohio

...is the art and science of ensuring the **integrity** and viability of levees such that they **do not present unacceptable risks** to the public, property, and the environment

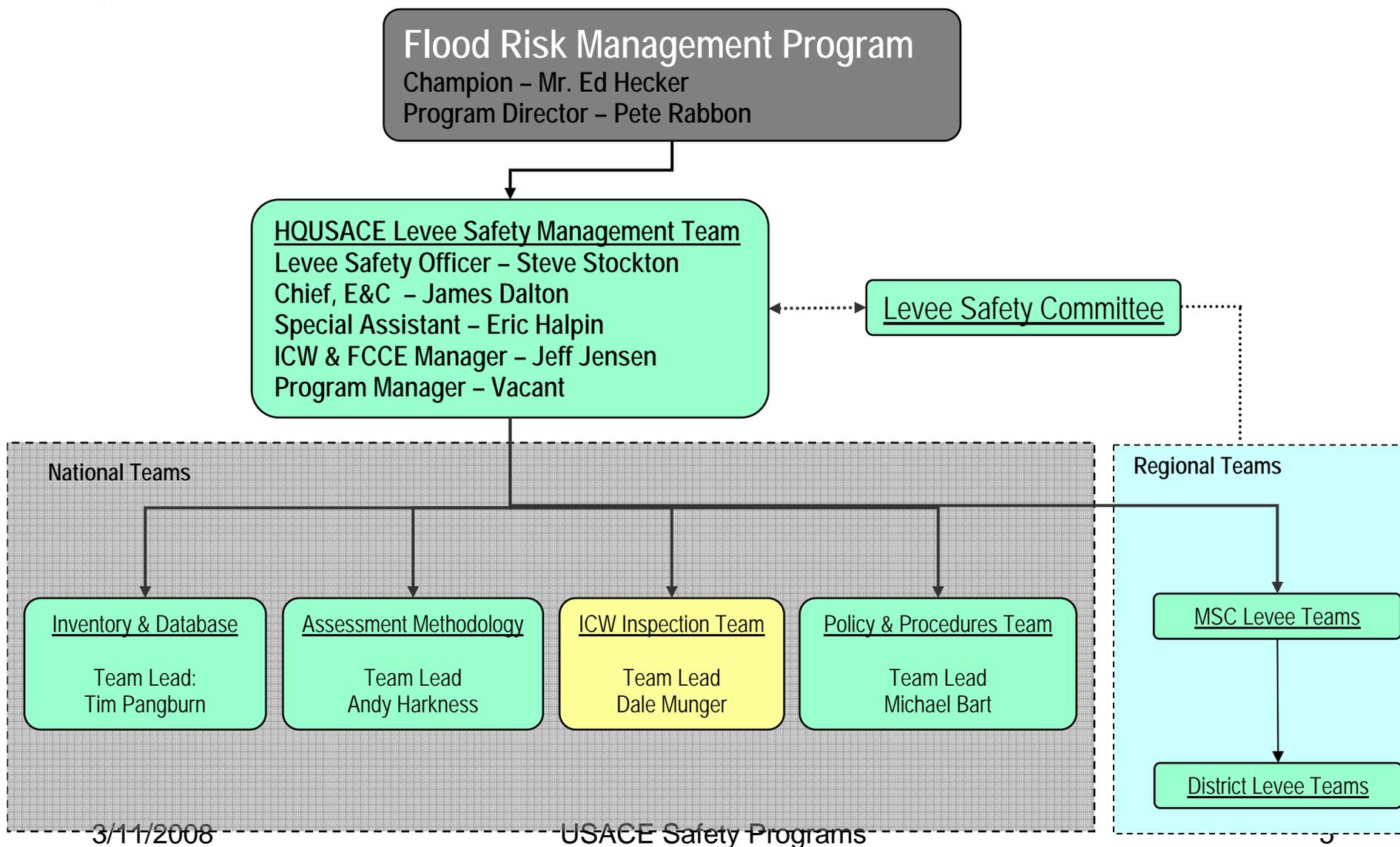


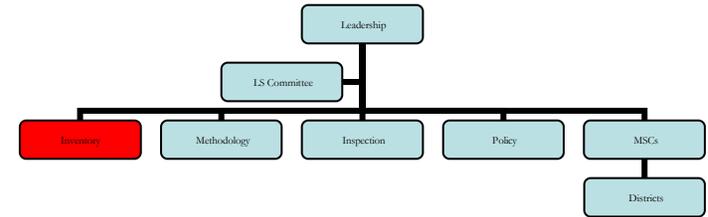
Universe of Levees



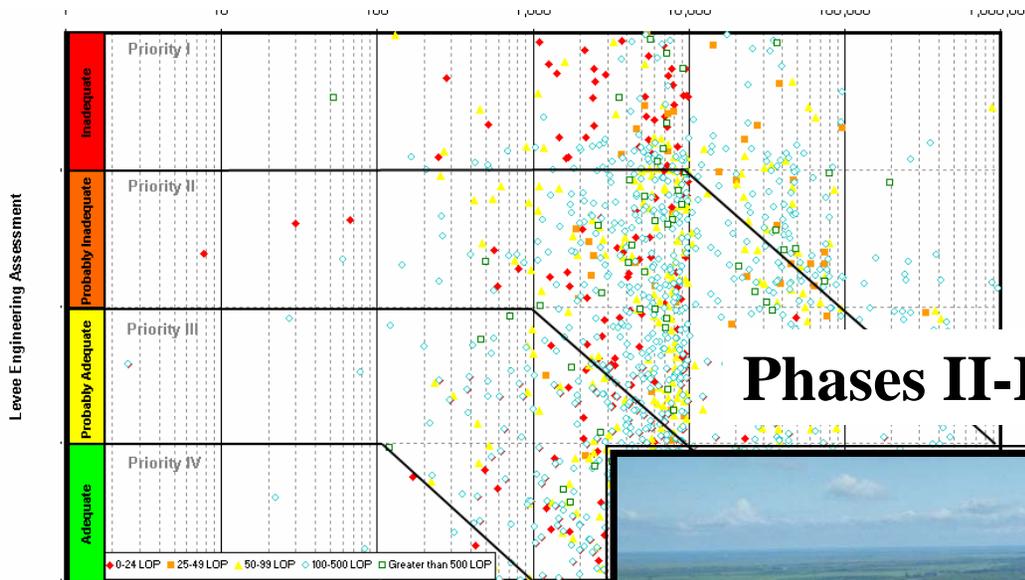


USACE Levee Safety Organization



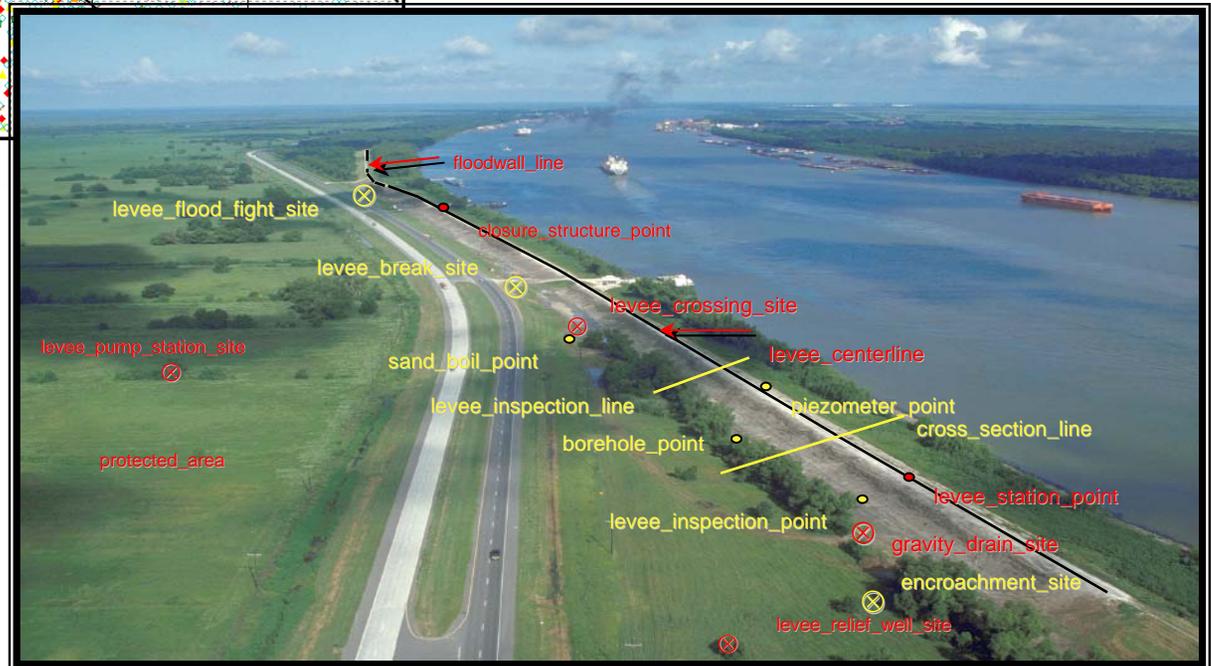


Phase I: Initial Levee Survey Results

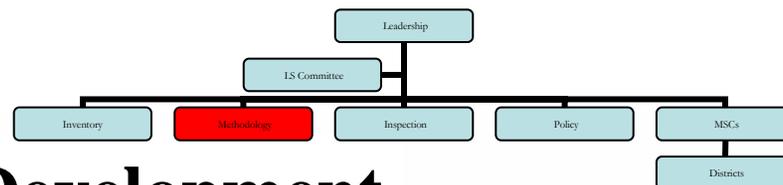


Phases II-IV: Detailed GIS Inventory

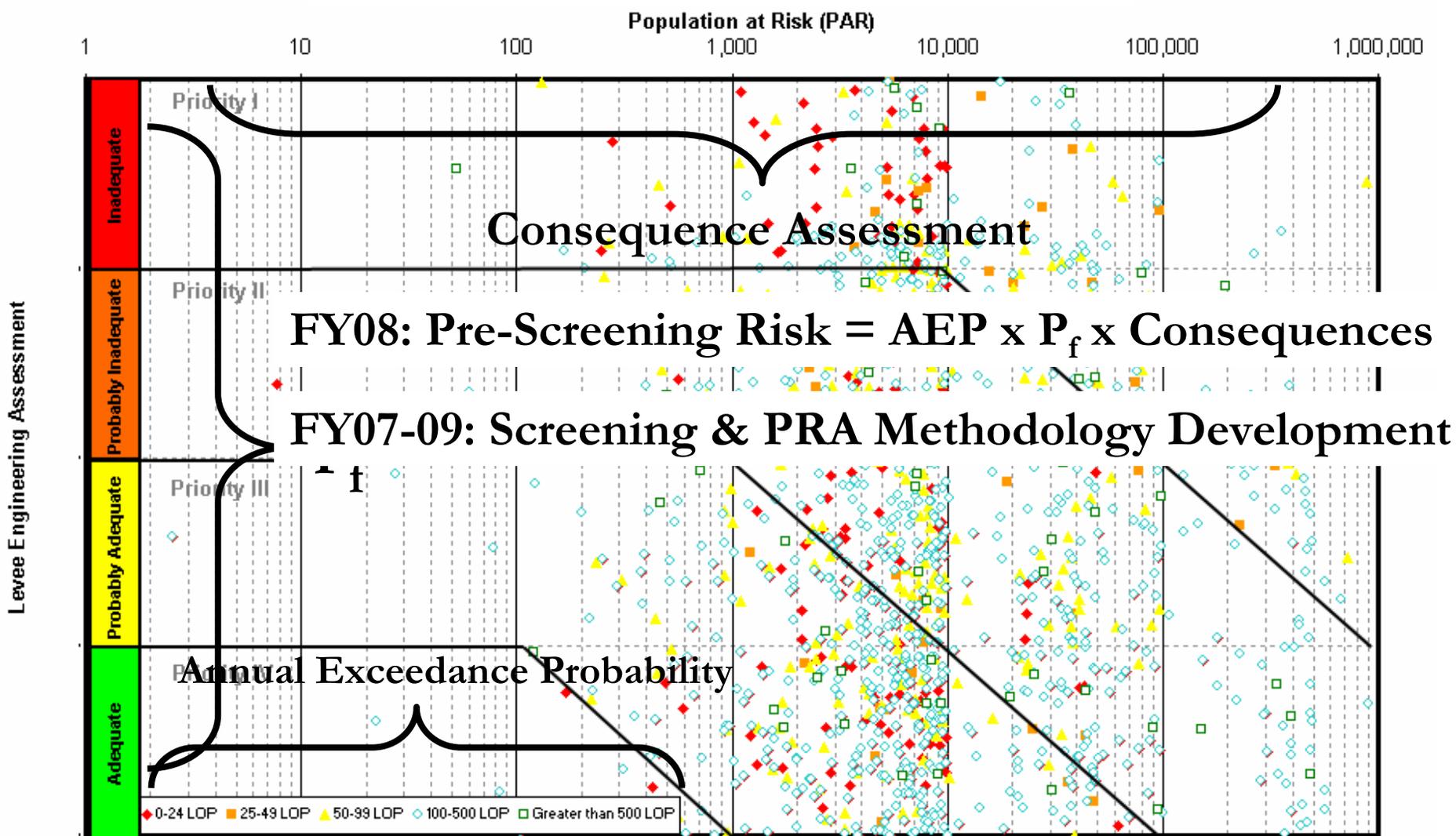
Note: Above information based on results of initial questionnaire survey for District Levee Projects



3/11/2008



Risk Methodology Development



Note: Above information based on results of initial questionnaire survey for District Levee Projects



Risk Assessment Methodology

Description: The purpose of the risk assessments for levee systems is to identify the possible failure modes associated with loss of life and economic risk for the purpose of facilitating prioritization of remedial actions and identifying residual risk.

Team Lead:

Andy Harkness, Pittsburgh

David Bowles, RAC Consultants

David Carlson, Pittsburgh

Pat Foley, St. Paul

Wayne Jones, ERDC

Jason Needham, HEC

Scott Loehr, Kansas City

David Margo, Pittsburgh

Brendan McKinley, Huntington

Michael Ramsbotham, Sacramento

Joe Remondini, Tulsa

David Schaaf, Louisville

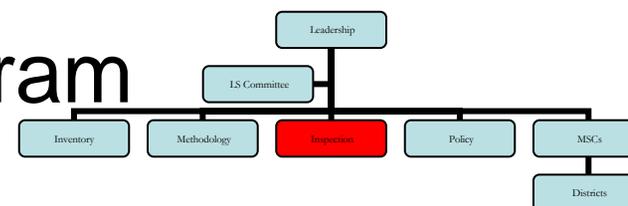
Jeff Schaefer, Louisville

Rick Schultz, Louisville

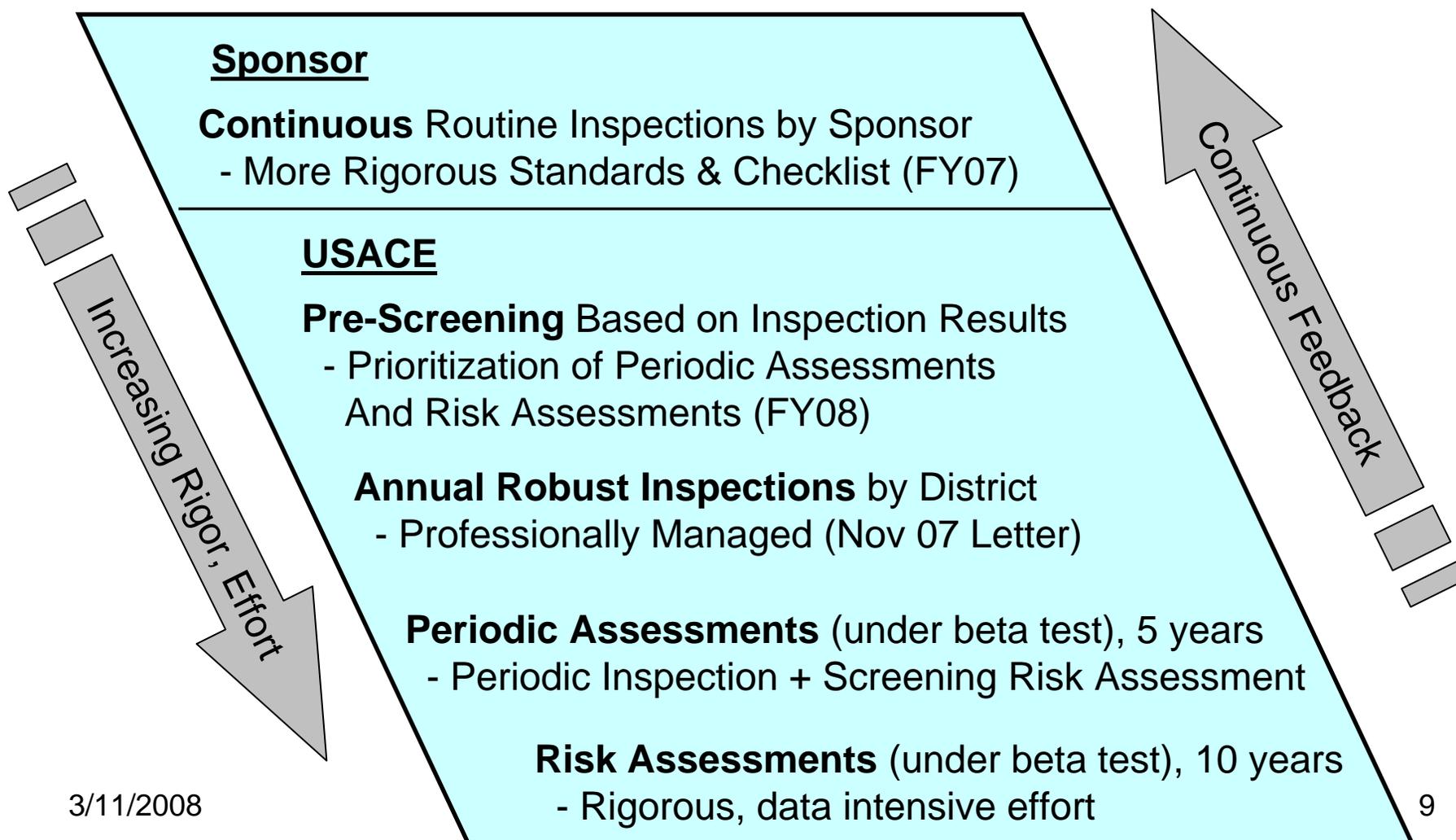
USACE Safety Programs



Robust Levee Safety Program



Graduated Levee Assessments

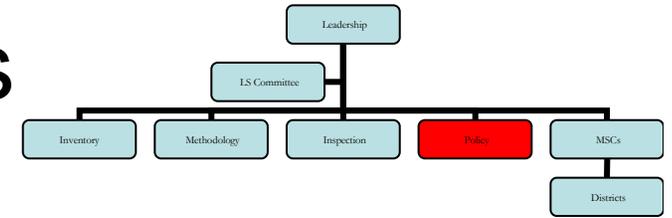


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Levee Policy & Procedures



- FY07 Activities
 - 16 Nov 07 Program Policy Letter
 - WRDA Implementation
- FY08 Activities
 - WRDA Support
 - Policy & Guidance
 - LSAC Chart and IRRM Guidance

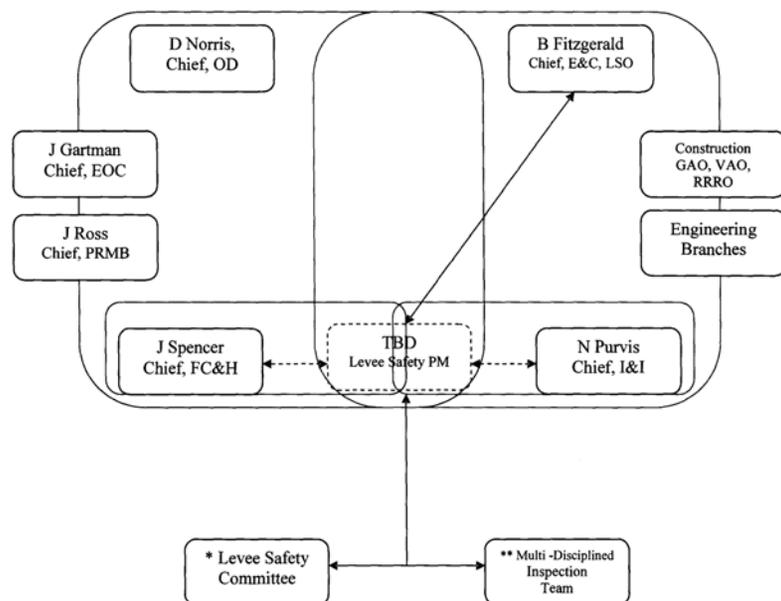


Nov 07 Levee Safety Policy Letter

- Formed the USACE Levee Safety Program (no longer an inspection program)
- Modeled after Dam Safety Program
- Review Roles & Responsibilities
- Funding Path: ICW budget line item



Levee Organization



- Expect Specific Feedback from HQ on your Organization
- Observations:
 - Why Separate ICW from Levee Safety?
 - Qualifications?
 - LSO & LSPM Locations and Relationship



Levee Policy and Procedures Team

Team Lead:

Michael Bart, St. Paul

PDT:

Kelly Bronowicz, FEMA

Larry Buss, Omaha

Mike Deering, HEC

Steve Durrett, Louisville

Tracy Hendren, HQ

John Jaeger, Huntington

Craig Kennedy, Michael Baker

Meegan Nagy, Sacramento

Mike Navin, St. Louis

Dave Margo, Pittsburgh

Mary Jo Mullen, FEMA

Tim Pangburn, ERDC

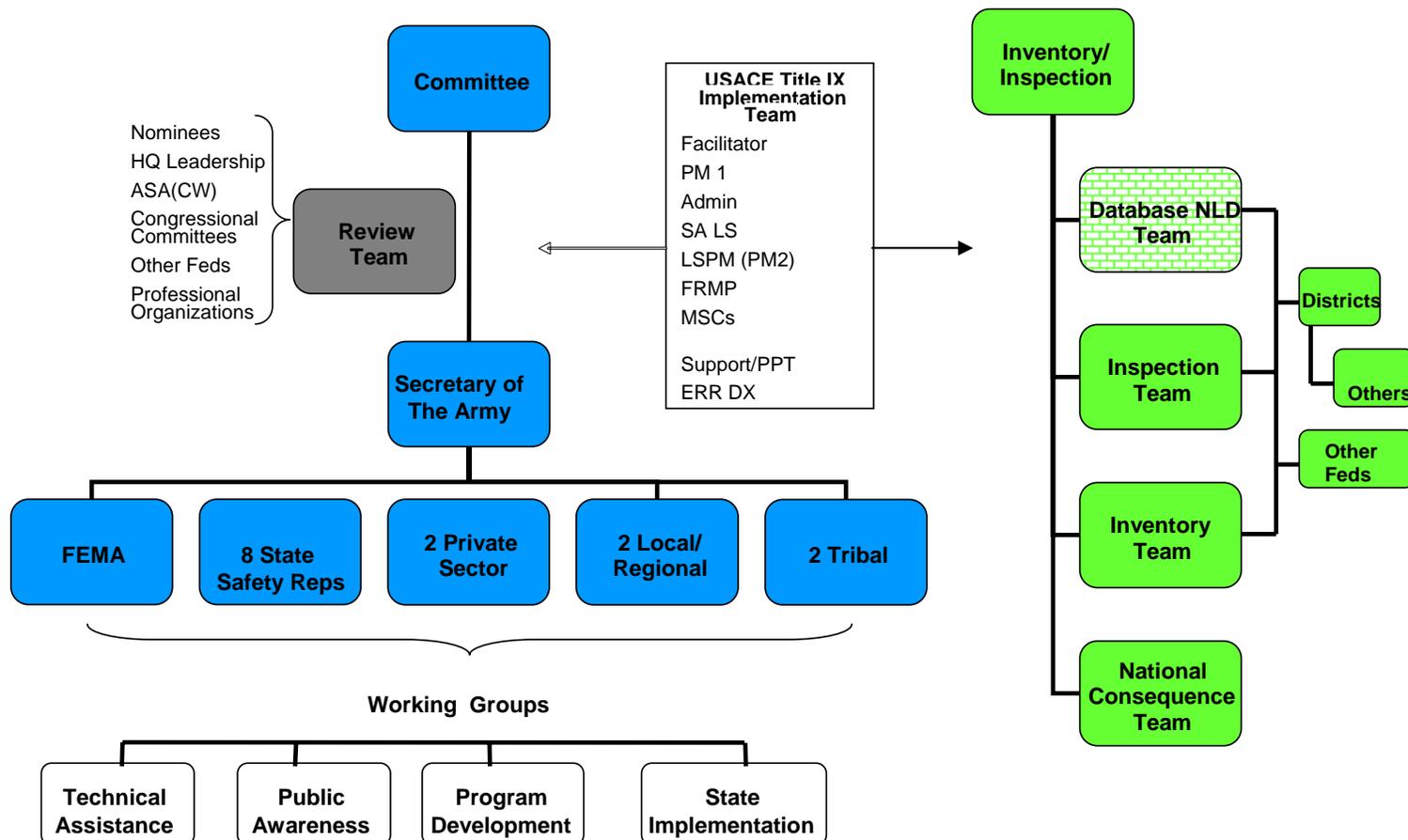
Jeff Hawk, Pittsburgh

Tom Wright, Kansas City

Advisor: Gerry Galloway



WRDA 2007 Title IX





Levee Safety Budget Outlook

- FY08 Very Limited beyond ICW/RIP
- FY09 Likely Same
 - Other Appropriations?
- “Bow Wave” of PL84-99 and Certification Issues Make Landfall
- Interim Risk Reduction Measures become more important
 - Risk Communication