

# Levee Inventory and Assessment

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# Levee Safety Program Mission



West Columbus, Ohio

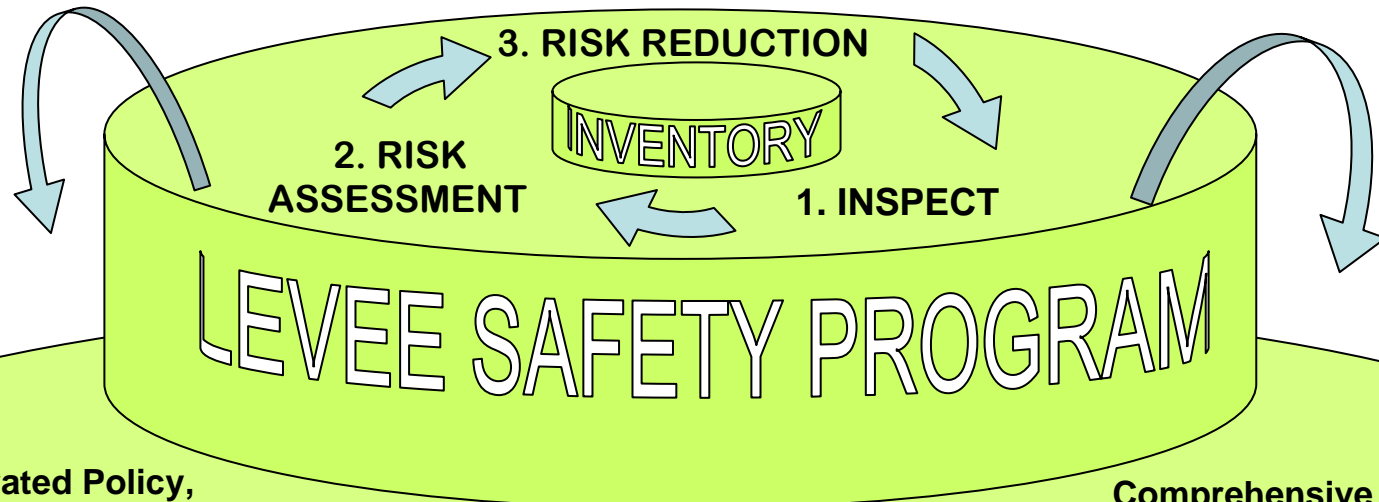
Assess the **integrity** and viability of levees and recommend actions to assure that levee systems **do not present unacceptable risks** to the public, property, and the environment

## Program Objectives:

- Hold Public Safety Paramount
- Reduced Economic Impacts
- Maximize Cost Effectiveness
- Develop Reliable and Accurate Information
- Build Public Trust and Acceptance

# Levee Safety

## Informing Flood Risk Management



**Integrated Policy,  
Guidance, and  
Criteria**

**Risk Communication  
And Public  
Involvement**

**Levee  
Certification**

**Comprehensive Planning  
and Risk Informed Decision  
Making**

**FLOOD RISK MANAGEMENT PROGRAM**

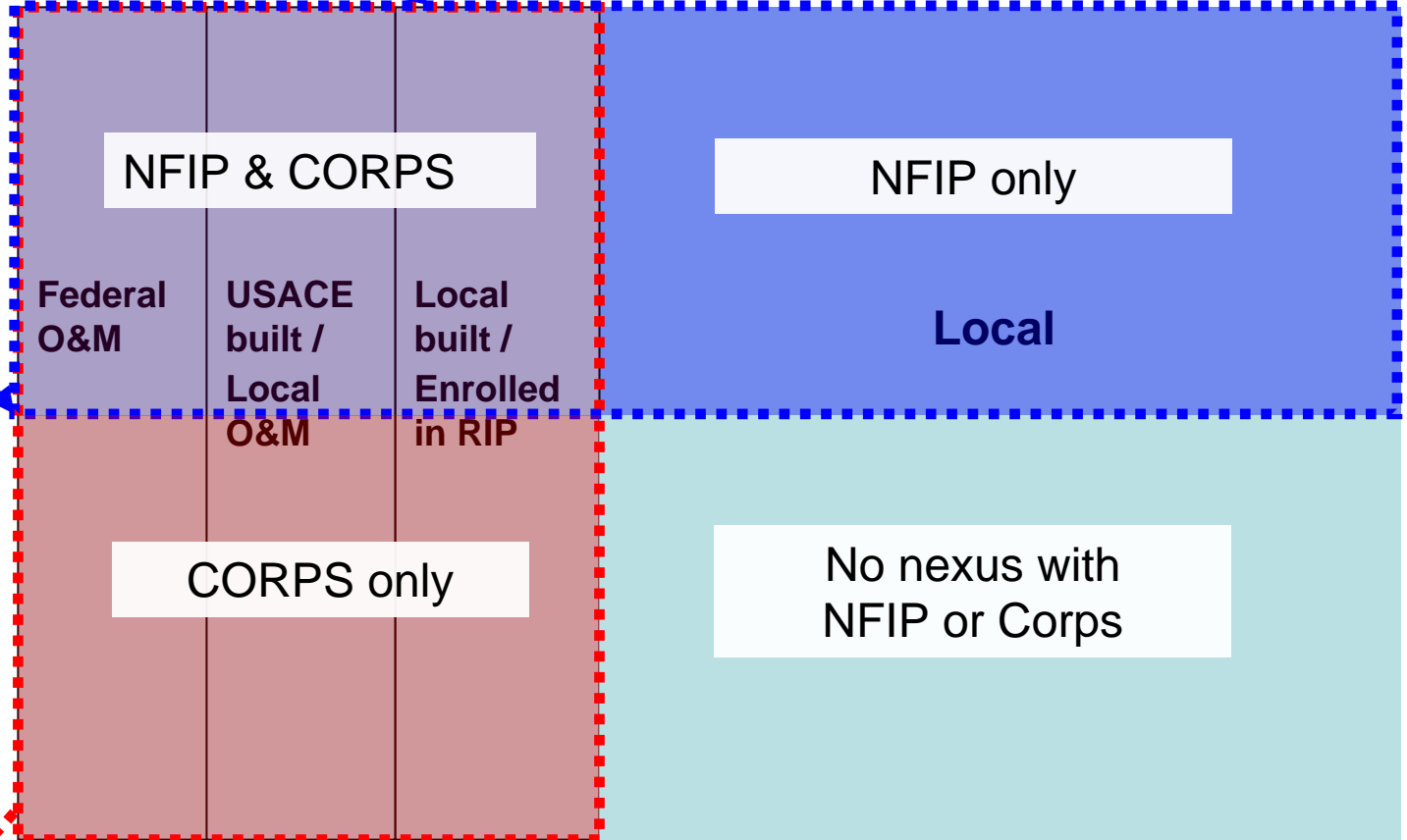
# Universe of Levees

## FEMA NFIP

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

100-year

Level of Protection



Federal O&M

USACE built / Local O&M

Local built / Enrolled in RIP

NFIP only

Local

CORPS only

No nexus with NFIP or Corps

1

2

3

4

USACE Sep06

Not to scale

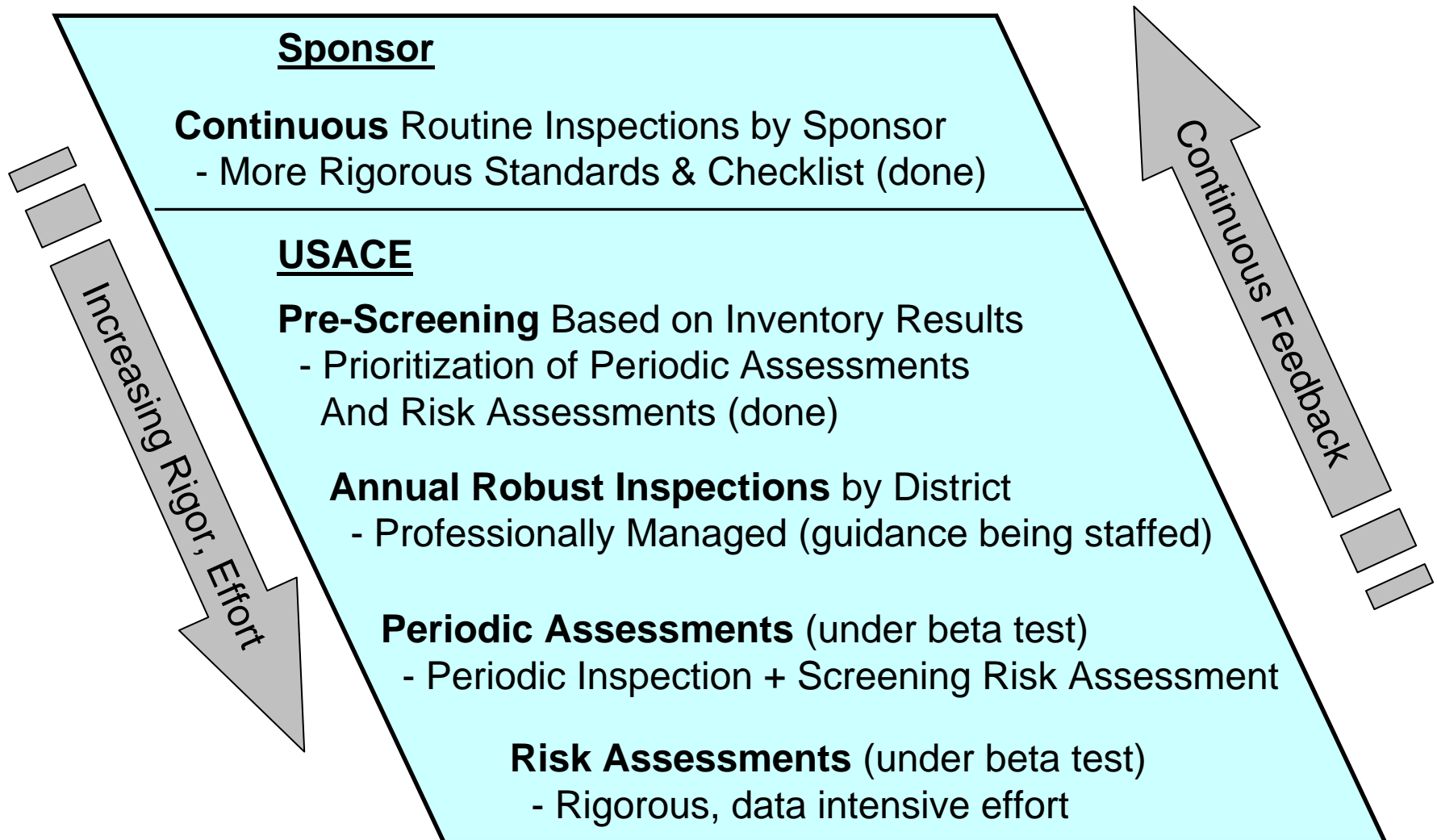
Levee Categories

## USACE Inventory and Assessment

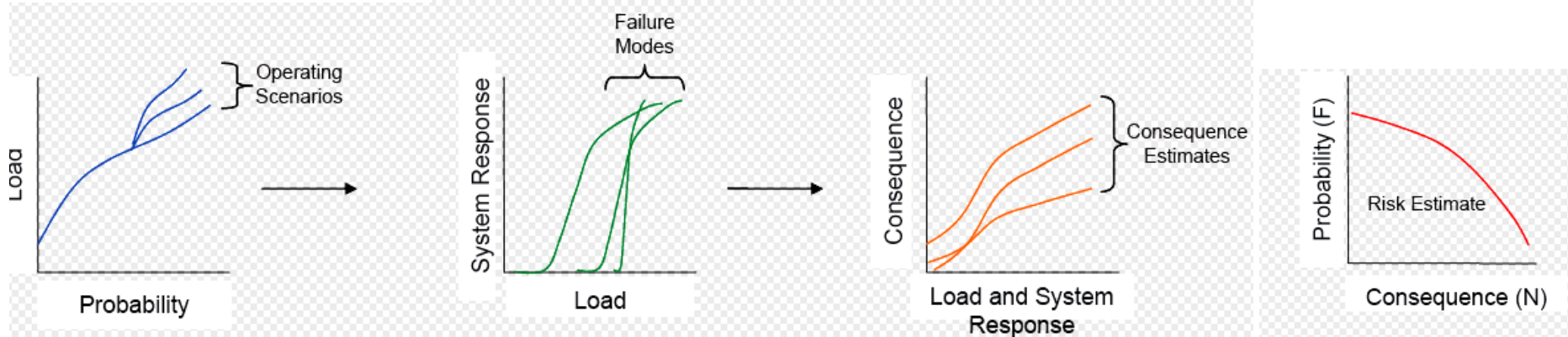
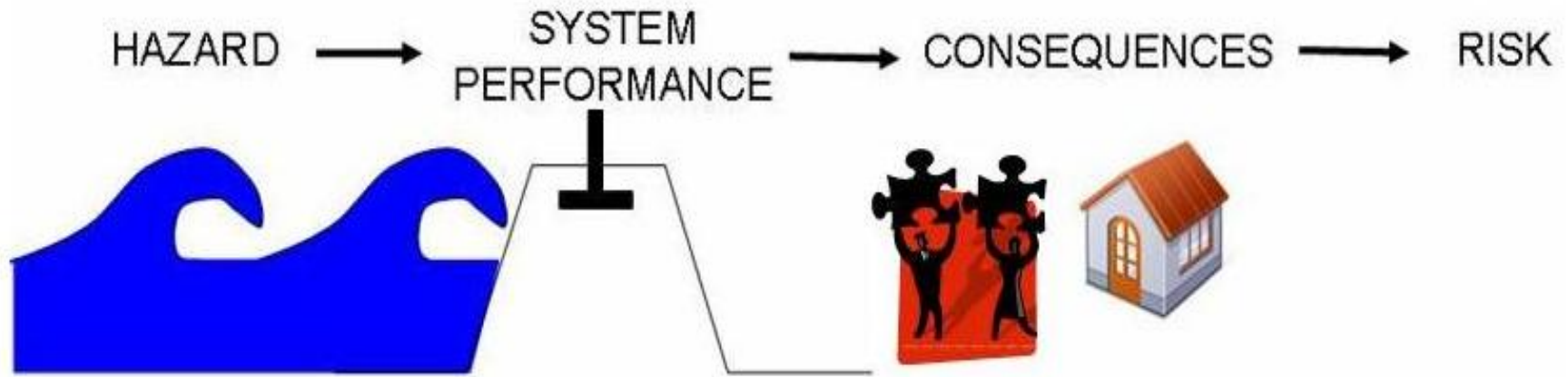
Objective: **Assess** all levees in USACE programs, regardless of level of protection.

# Risk Informed Decision Process

## Graduated Assessments

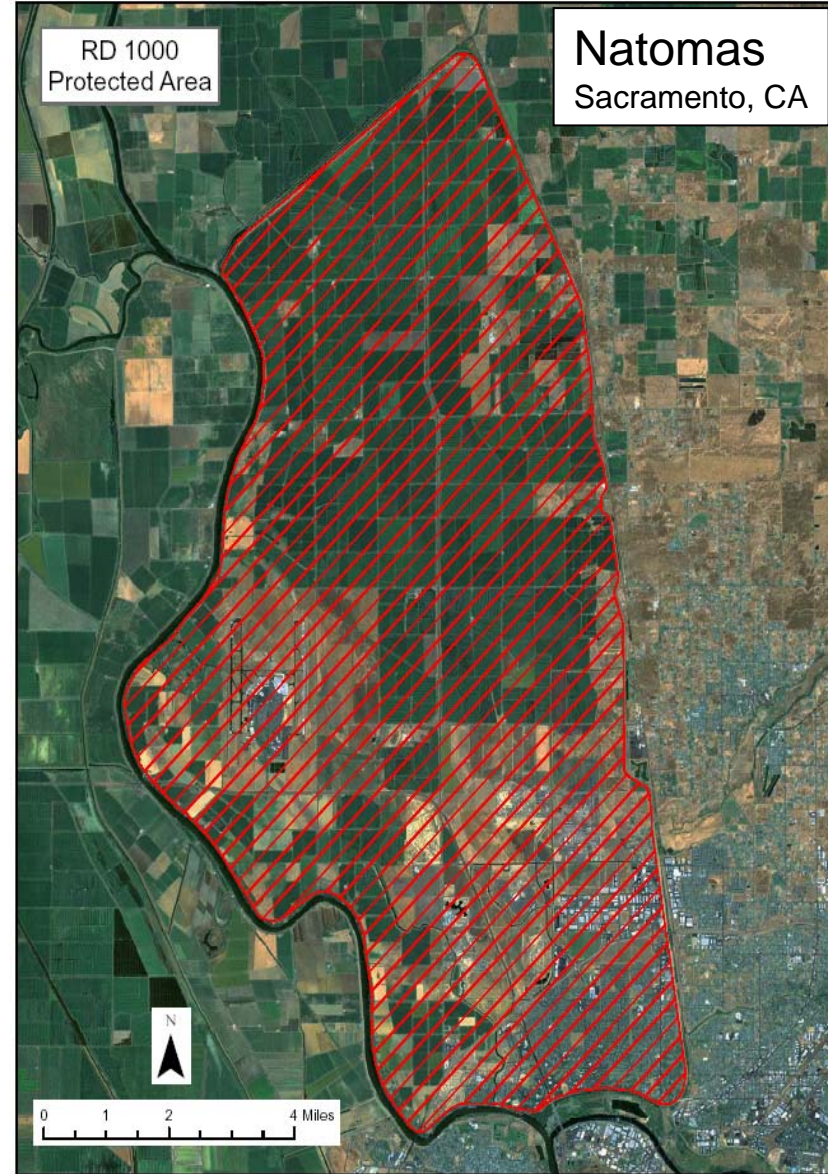
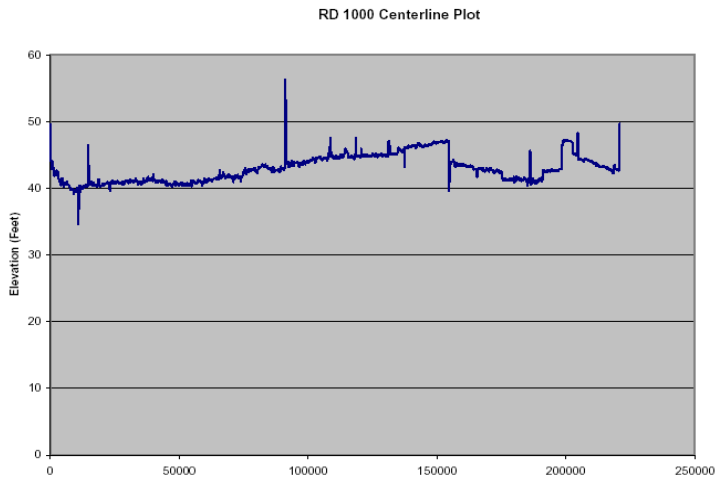
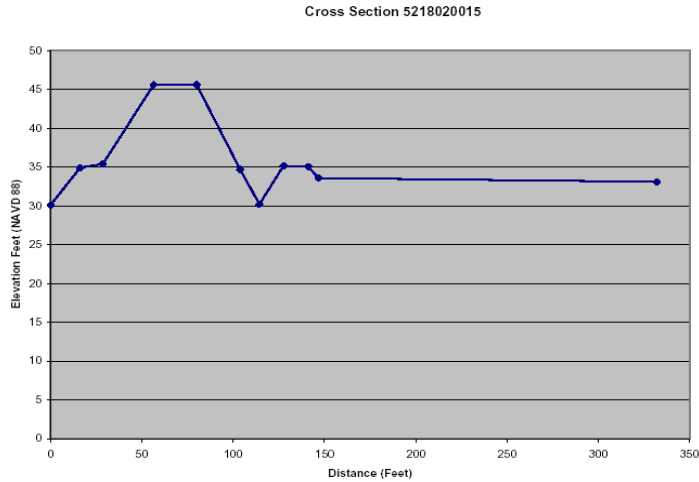


# What is a risk assessment?



# Risk Informed Decision Process

- Utilization of NLD survey data in assessing levees
- Integration of HAZUS, FIA, & NLD for economic and consequences analysis



# Certification ETL

## Flood Mapping and Certifications



- Levee Certification  
ETL1110-2-570
  - Implementation concurrent with field review
  - Formal ITR and Peer Review to Follow
- More Detail, with New:
  - Comprehensive, Systems Based
    - No “Partial” Certification
  - 10 Year Shelf Life
  - Residual Risk Report
  - Requires Site Visit



Discussion??

# Questions to the audience

- We identify a high risk levee...So what?
- We decertify a levee...So what?
- We certify a levee...So what?