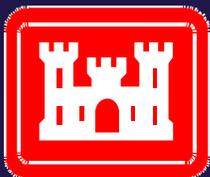
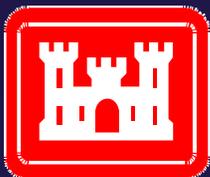


Adaptive management



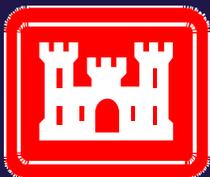
Adaptive management is used to address

- Contingencies
- Unforeseen circumstances
 - Changes in site conditions
 - Changes in responsible parties
- Learn from success & failure
- Ensure sustainability



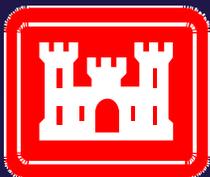
Adaptive Management

- Steps
 - Plan, including contingencies
 - Monitor site
 - Analyze outcomes
 - Incorporate results into future actions



Adaptive Management

- Corps may require measures to address deficiencies including modification of
 - Project implementation
 - Project management
 - Performance measures:
 - Address deficiencies
 - Reflect changes in management strategies & objectives
 - Address natural disasters
 - Monitoring

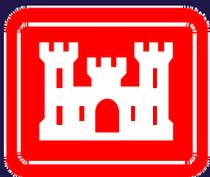


Catastrophic events



Catastrophic Events

- If a natural disaster causes deficiencies in a mitigation project, the DE may:
 - Require measures to address those deficiencies
 - e.g., replanting the mitigation site
 - Require additional monitoring
 - Financial assurances may be used for alternative mitigation, if event occurs before monitoring period ends



Catastrophic event vs. Force majeure

- *Catastrophic event*
 - Remediation or corrective actions possible
 - May include
 - Fire
 - Insect damage
 - Most hurricanes/tornados
 - Flooding
- *Force majeure*
 - Aka “act of nature” or “act of God”
 - Irreparable damage
 - No amount of funding/effort can repair

