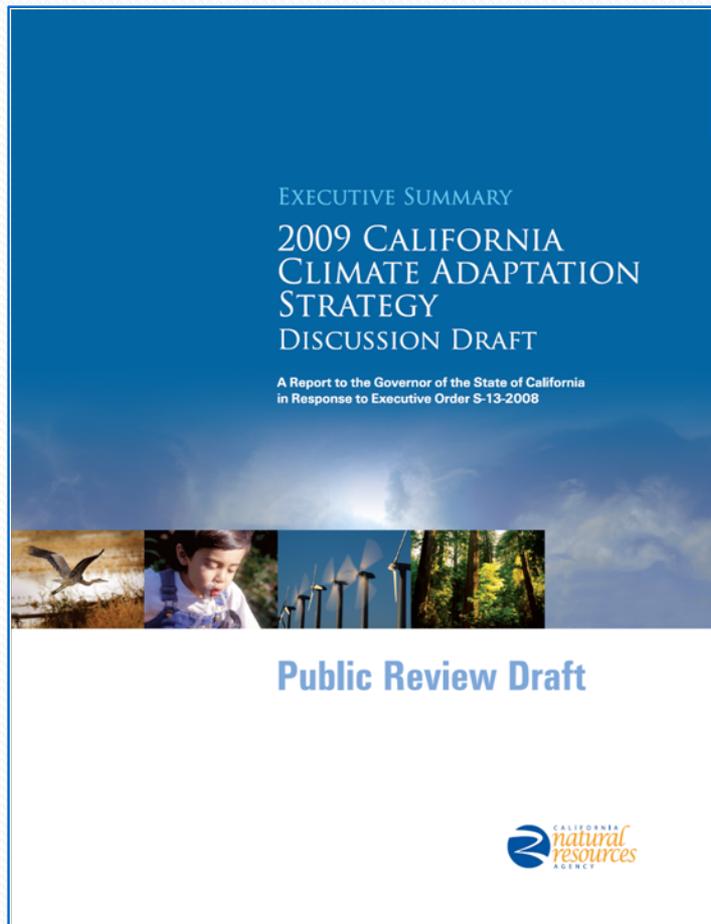


Bio-CAT Strategy

Dale K. Hoffman-Floerke
Deputy Director, Integrated Water Management
Department of Water Resources
June 23, 2010

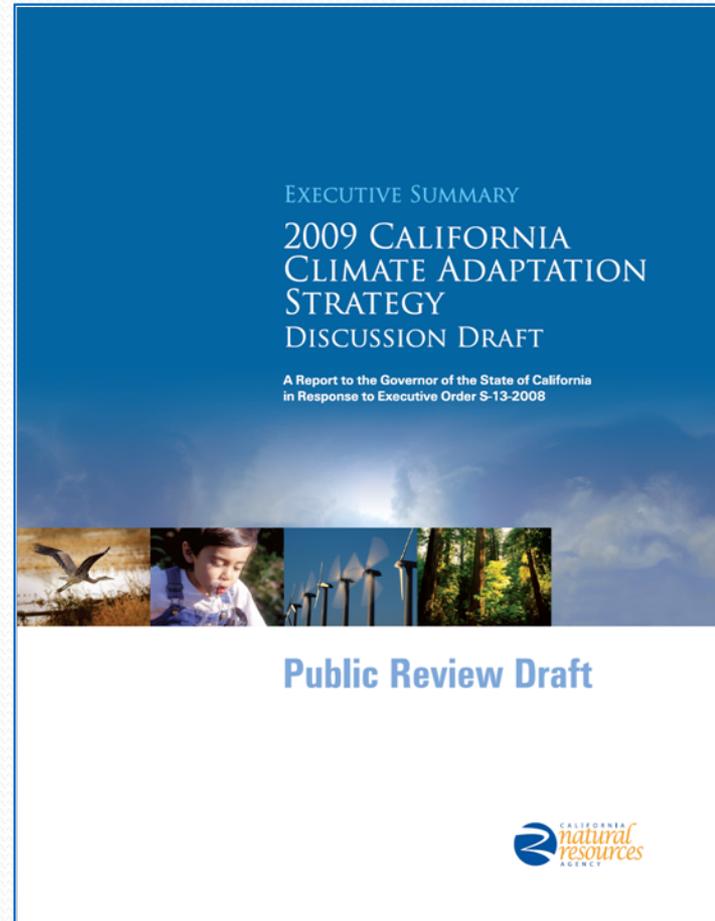
Building on Existing Tools



Biodiversity Adaptation Strategies

- Establish a System of Sustainable Habitat Conservation Areas
- Management of Watersheds, Habitat, and Vulnerable Species
- Education and Outreach

- Long-term action
 - Enhance and Sustain Ecosystems



DWR Report

- “Managing an Uncertain Future” – October 2008
 - Developed Adaptation Strategies for water resources
 - Part of process to update CA Water Plan
 - Part of Natural Resources Agency Climate Adaptation Strategy



DWR Adaptation Strategies

- *Strategy 1: Provide Sustainable Funding for Statewide and Integrated Regional Water Management*
- *Strategy 2: Fully Develop the Potential of Integrated Regional Water Management*
- *Strategy 3: Aggressively Increase Water Use Efficiency*
- *Strategy 4: Practice and Promote Integrated Flood Management*
- ***Strategy 5: Enhance and Sustain Ecosystems***
- *Strategy 6: Expand Water Storage and Conjunctive Management of Surface and Groundwater Resources*
- *Strategy 7: Fix Delta Water Supply, Quality and Ecosystem Conditions*
- *Strategy 8: Preserve, Upgrade and Increase Monitoring, Data Analysis and Management*
- *Strategy 9: Plan for and Adapt to Sea Level Rise*
- *Strategy 10: Identify and Fund Focused Climate Change Impacts and Adaptation Research and Analysis*

Enhance and Sustain Ecosystem Components

Developed with DFG

- Contiguous habitat and migration corridors
- Floodplain connectivity
- Anadromous fish
- Tidal wetlands
- Delta island subsidence reversal & land accretion
- Upper watershed forests and meadow systems



Projects - Habitat & Migration Corridors

- Lower Feather R. Corridor Management Plan
 - 18 month planning study
- Flood Protection Corridor grant program
 - Primarily nonstructural flood management solutions



Projects - Tidal Wetlands

- Dutch Slough Tidal Marsh Restoration Project
 - EIR addressed Climate Change and GHG
 - EIR certified and approved March 2010



Projects - Delta Subsidence

- Twitchell Island Subsidence and GHG Sequestration
 - Partnered with USGS
 - Demonstration Project (1990s)
 - 15 acres
 - Proposal for 600 acre demonstrations
- Twitchell Island Rice Cultivation Testing
 - 300 acre test facility



Additional Projects

- Upper Meadow Restoration Monitoring
 - Joint project with USFS
 - Primary purpose - climate change
- Upper Feather River Meadow Restoration and Monitoring
- Fish Passage Assessments
- Yolo Bypass Modification Planning





Questions?

Dale K. Hoffman-Floerke

Deputy Director, Integrated Water Management

Department of Water Resources

(916) 654-7180

dalehf@water.ca.gov