



Hawai'i Water Resource Protection Plan Update

2014 Joint Water Conferences



State Water Code



*There is a need for a program of **comprehensive water resources planning** to address the problems of supply and conservation of water. The **Hawaii water plan**, with such future amendments, supplements, and additions as may be necessary, is accepted as the guide for developing and implementing this policy. (§174C-2(b) HRS)*



Hawai'i Water Plan Objectives

- Set water resource policies
- Proper conservation and development of water
- Reasonable and beneficial use of water
- Ensure adequate water quality
- Control water for public purposes
- Provide for DHHL needs
- Recognize county home rule



Hawai'i Water Plan Components

Water Resource
Protection Plan

Water Quality
Plan

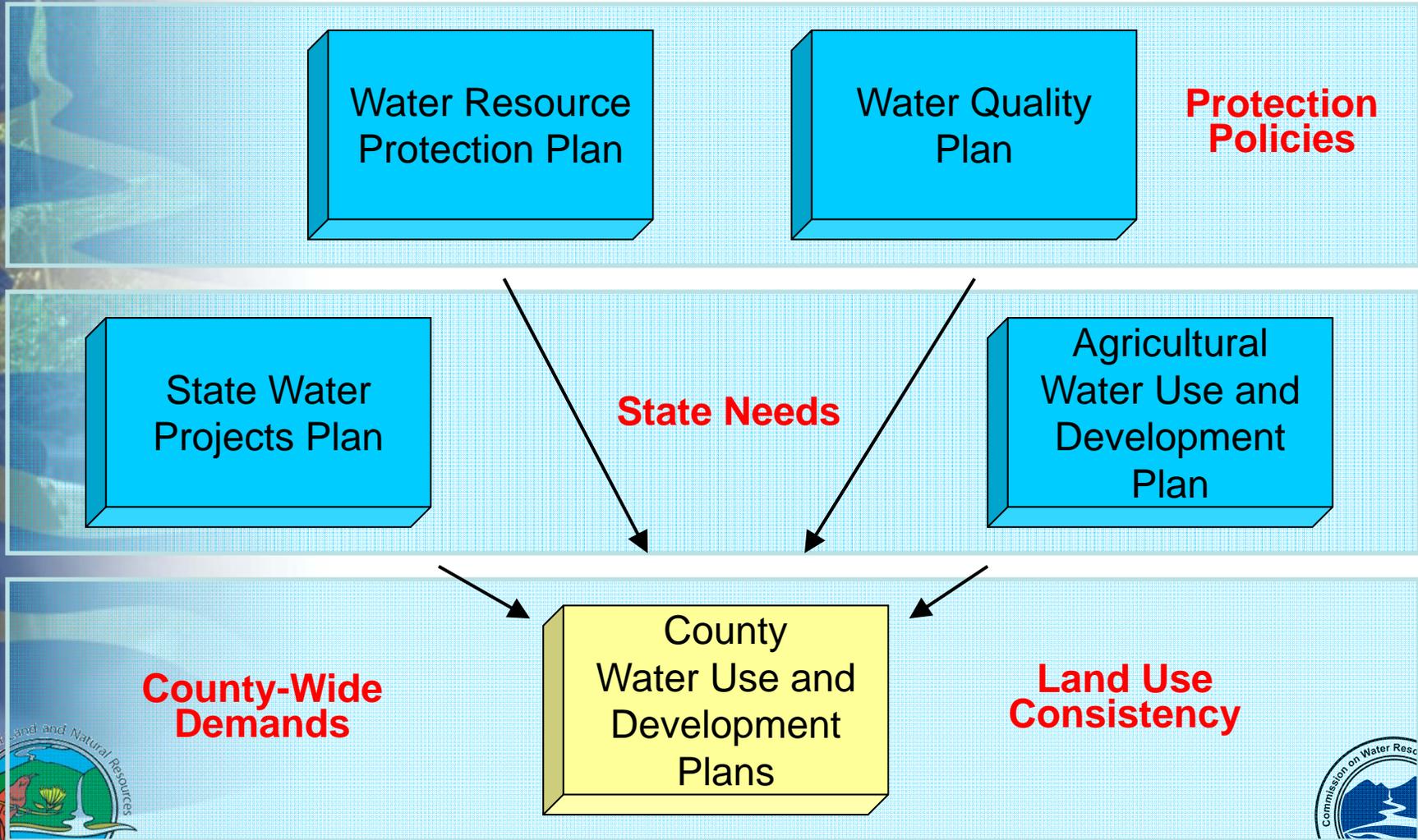
State Water
Projects Plan

Agricultural
Water Use and
Development
Plan

County
Water Use and
Development
Plans



Hawai'i Water Plan Integration



Hawai'i Water Plan Components

Water Resource
Protection Plan

Water Quality
Plan

State Water
Projects Plan

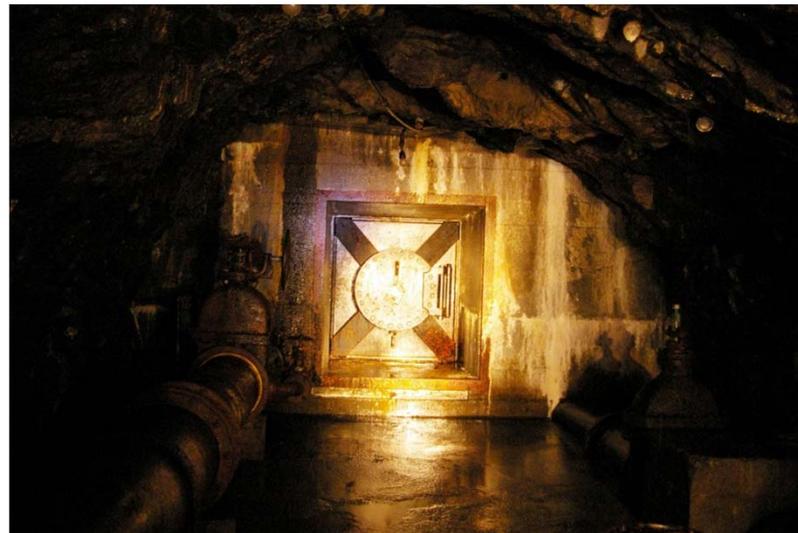
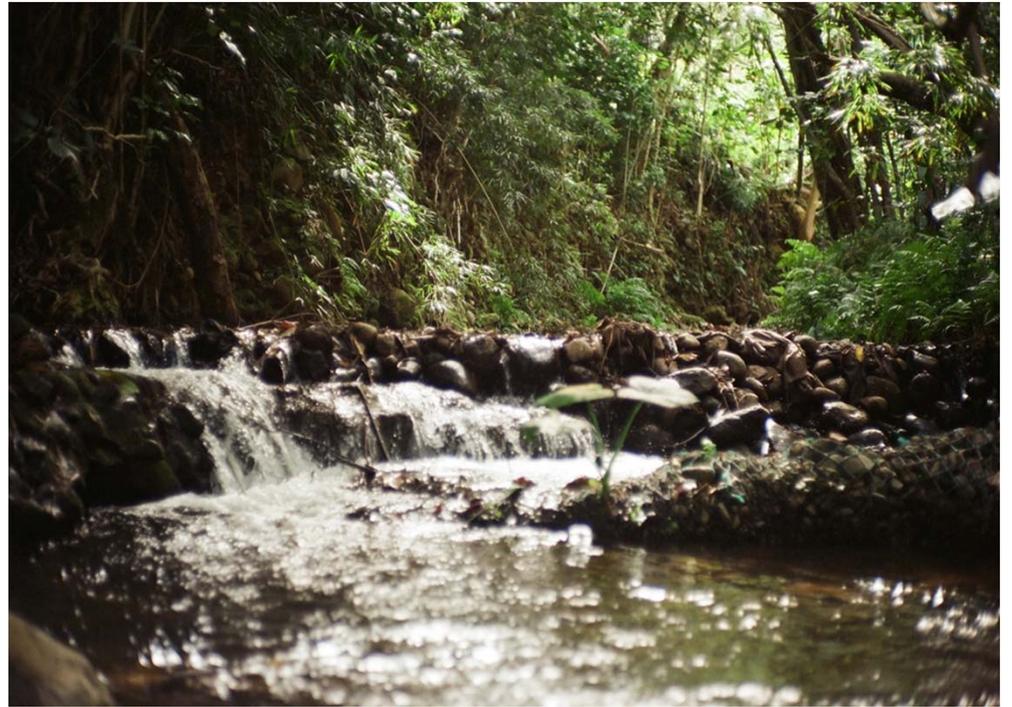
Agricultural
Water Use and
Development
Plan

County
Water Use and
Development
Plans



§174C-31(d) HRS

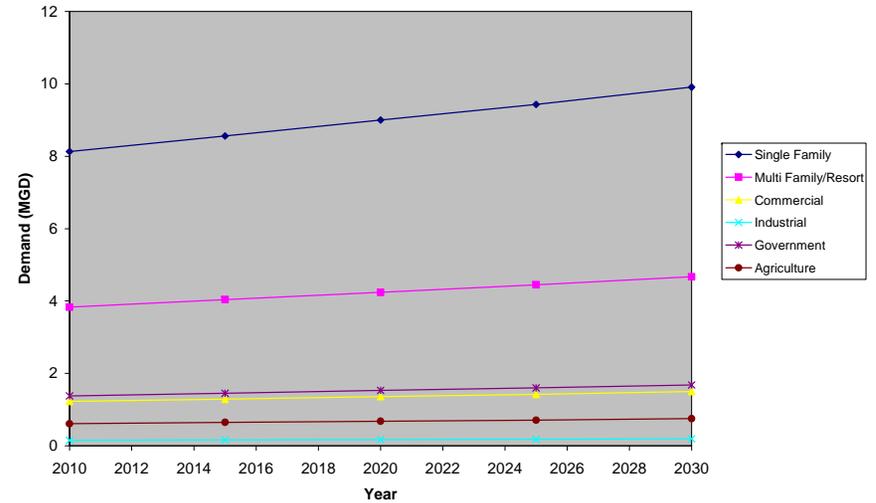
Nature and
occurrence of
water resources in
the state



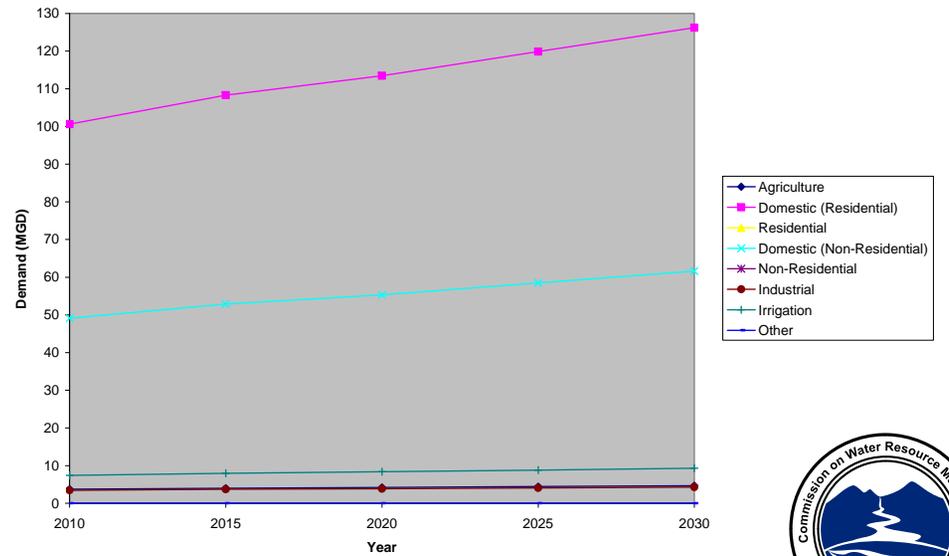
§174C-31(d) HRS

Existing and contemplated uses of water, as identified in the water use and development plans of the State and counties, their impact on the resource, and their consistency with objectives and policies established in the water resource protection and water quality plans

Kauai County Projected Water Demand 2010 to 2030



City and County of Honolulu Projected Water Demand 2010 to 2030

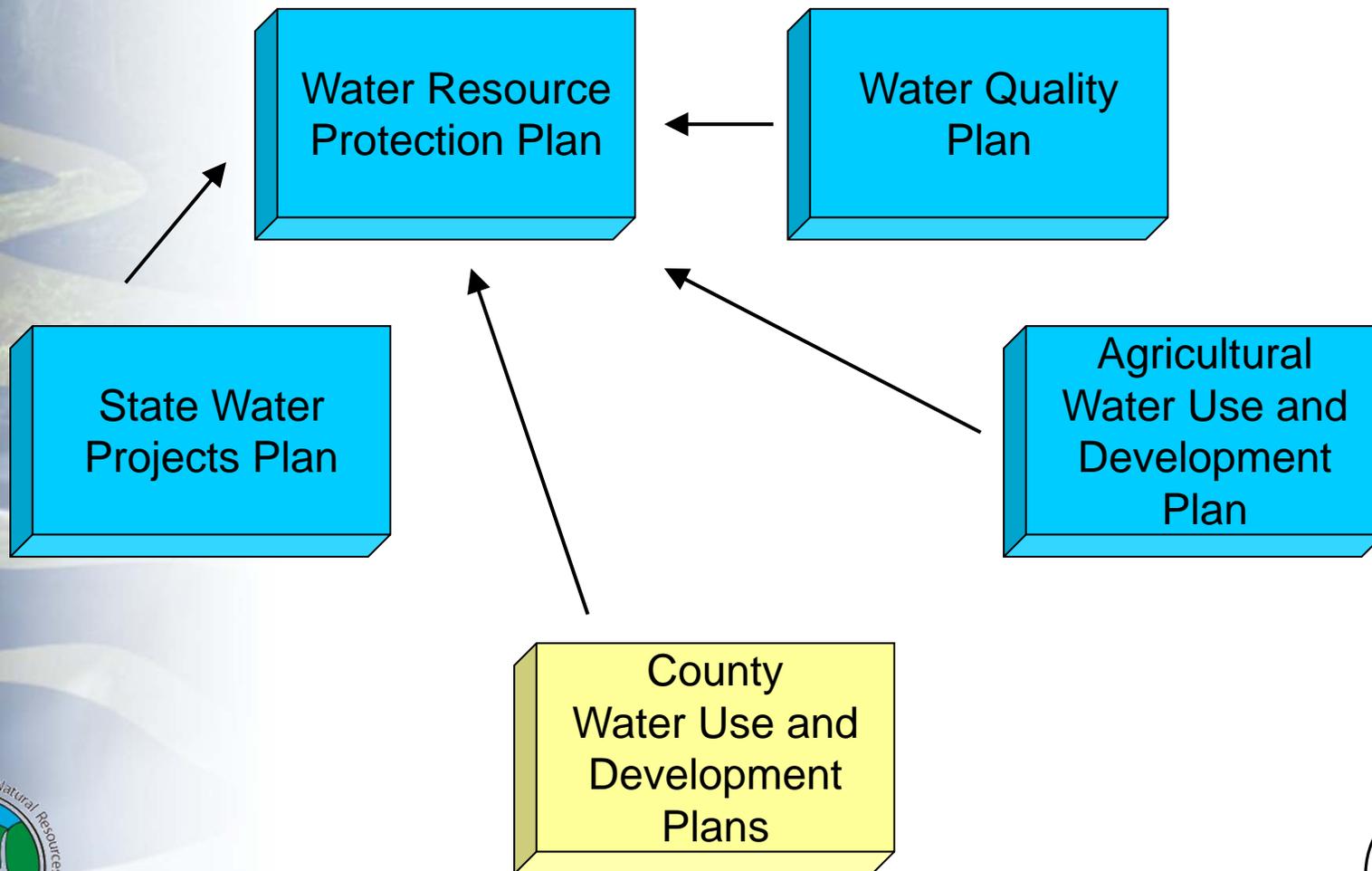


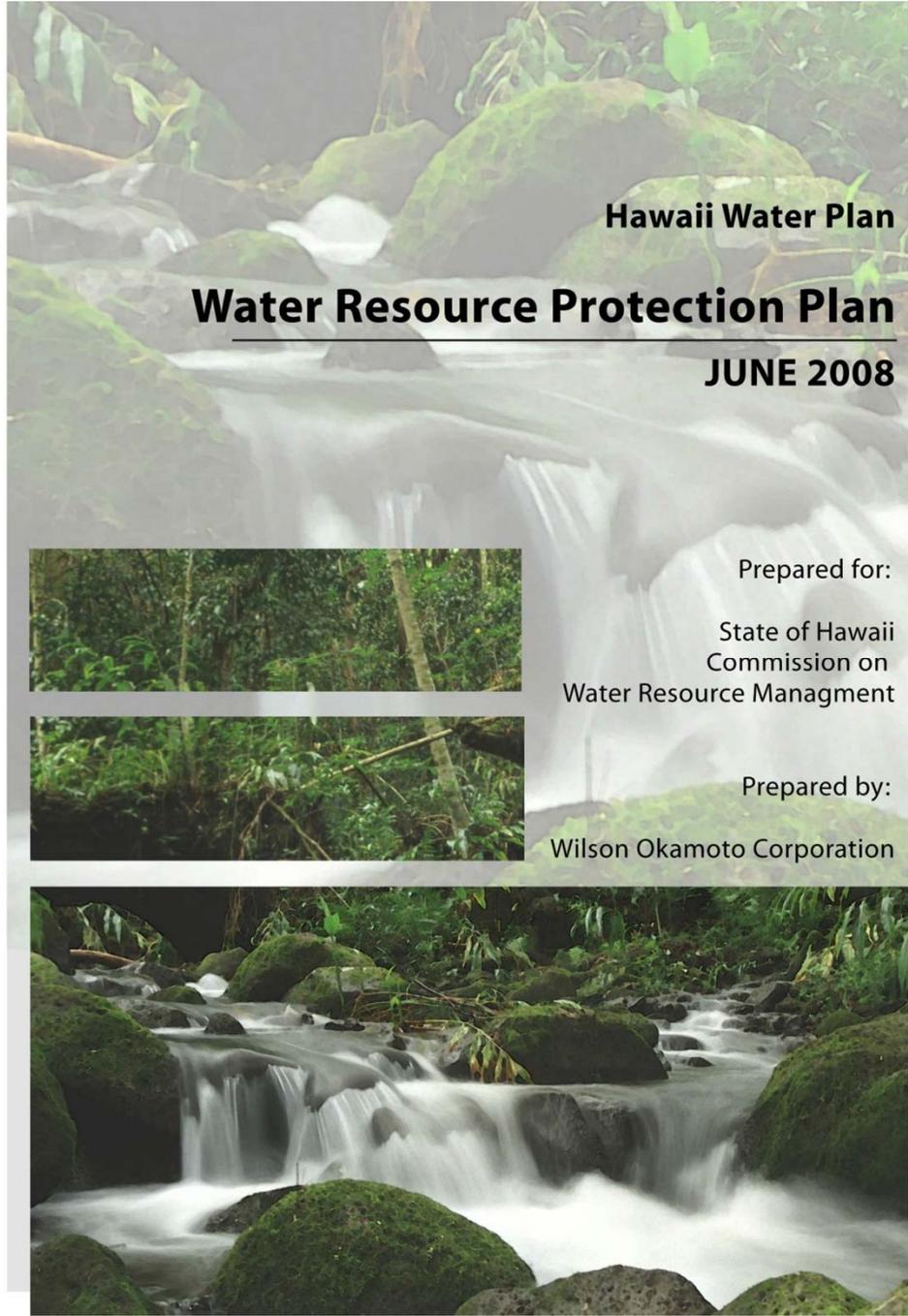
§174C-31(d) HRS

Programs to conserve,
augment, and protect the
water resource



Integration with the Hawai'i Water Plan





Hawaii Water Plan

Water Resource Protection Plan

JUNE 2008



Prepared for:
State of Hawaii
Commission on
Water Resource Management



Prepared by:
Wilson Okamoto Corporation



2008 Water Resource Protection Plan Update

[HTTP://DLNR.HAWAII.GOV/CWRM/PLANNING/HIWATERPLAN/WRPP/](http://DLNR.HAWAII.GOV/CWRM/PLANNING/HIWATERPLAN/WRPP/)



Objectives of the WRPP Update

- Identification of emerging water resource issues (climate change, Native Hawaiian water rights, etc.)
- Incorporation of best available hydrologic and climatic information
- Updating estimates of water resource availability
- Adoption of an integrated water management approach
- Development of a succinct, action-oriented plan to inform the public and guide the Commission



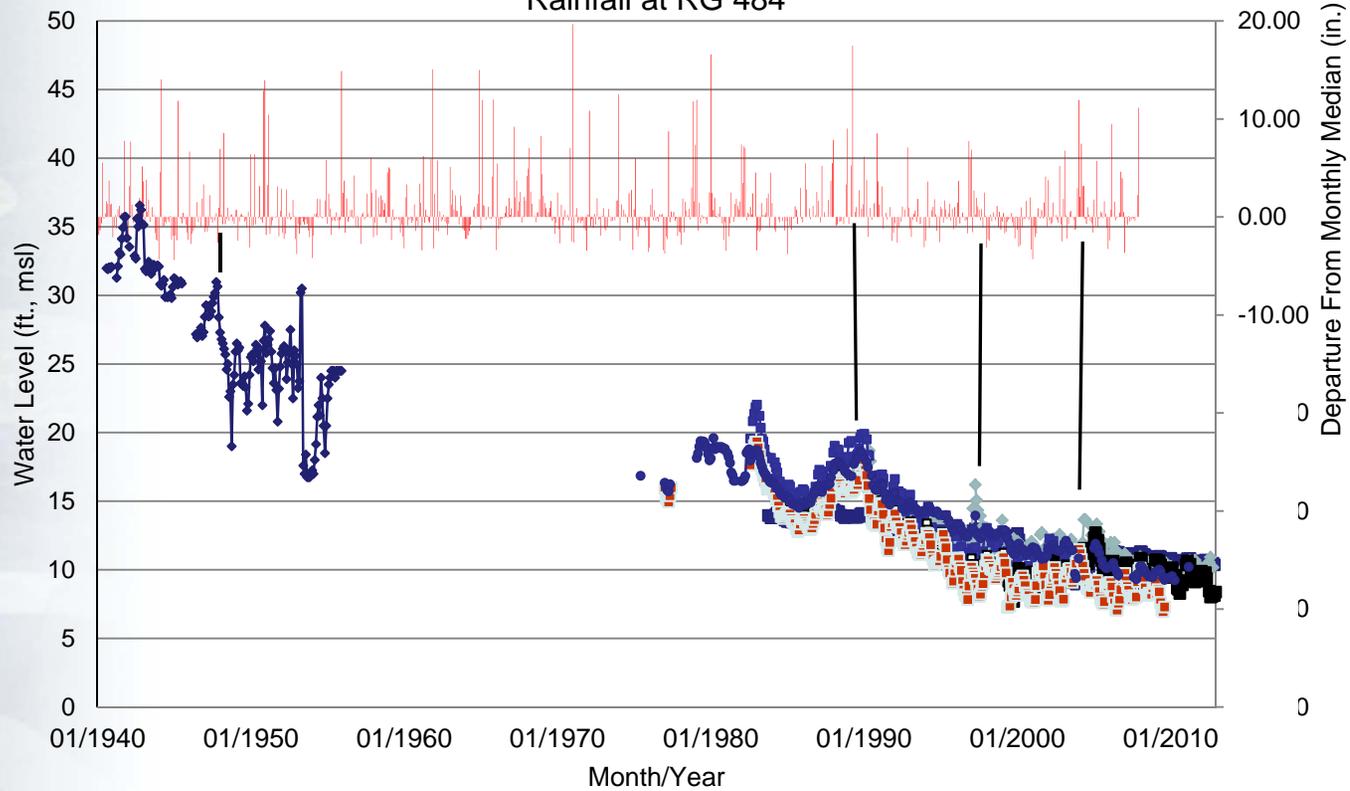
WRPP Sections

- **Inventory and Assessment of Resources**
- **Monitoring of Water Resources**
- **Existing and Future Demands**
- **Resource Conservation and Augmentation**
- **Drought Planning**
- **Watershed Protection**



Monitoring of Water Resources

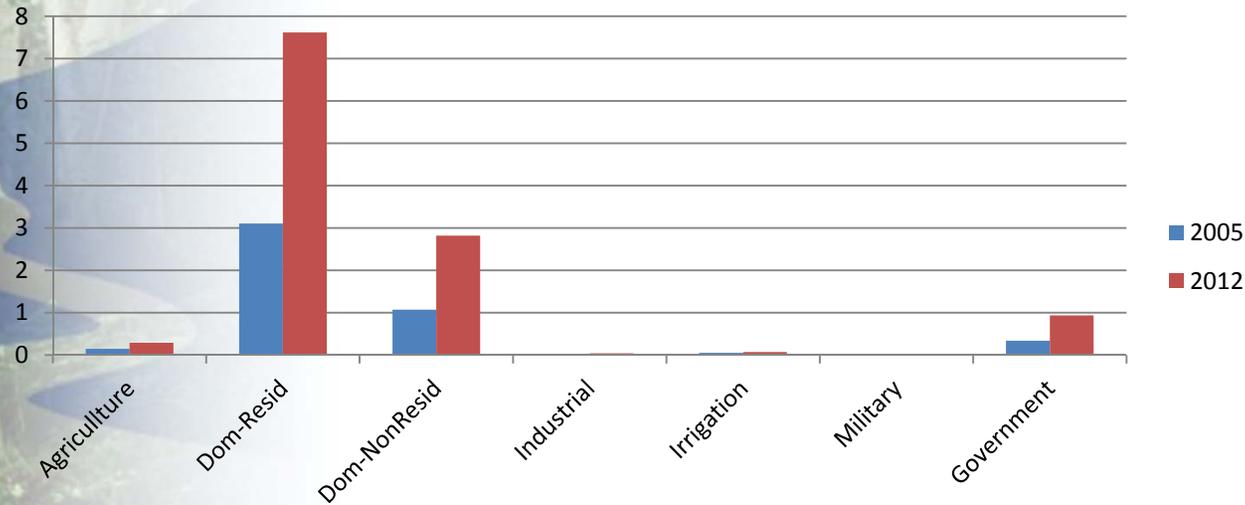
Water Levels in Selected Test Holes and Departure of Monthly Median Rainfall at RG 484



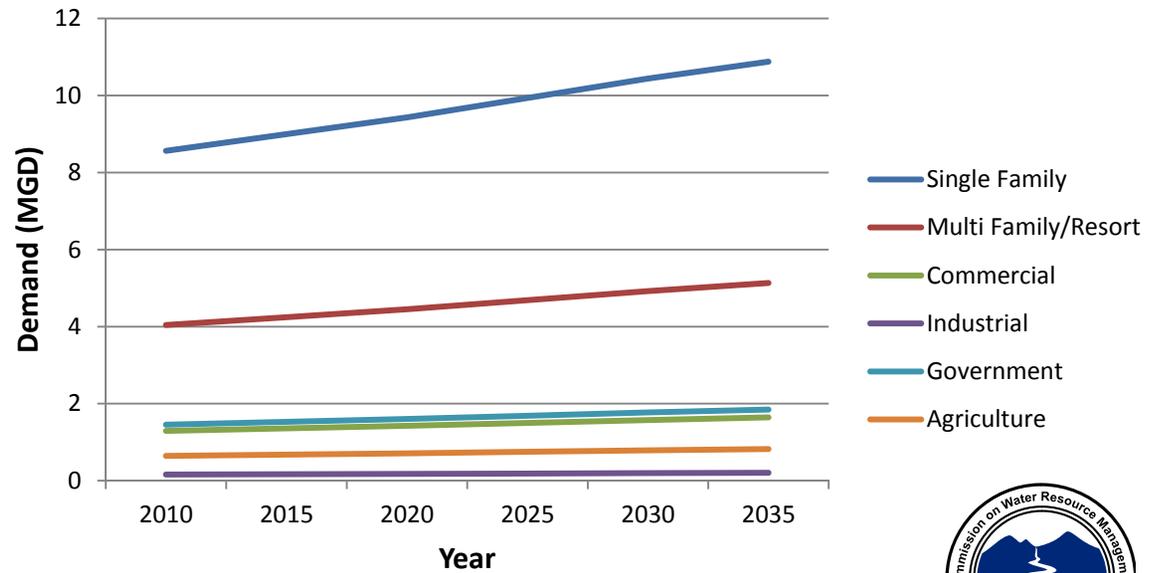
- Departure Monthly Median
- Waikapu 2
- ◆ Waikapu 1
- ◆ Iao TH
- TH-E
- TH-D
- Waiehu Deep Monitor
- TH-B
- ◆ TH-A1



Existing and Future Demands



Kaua'i Current Water Use

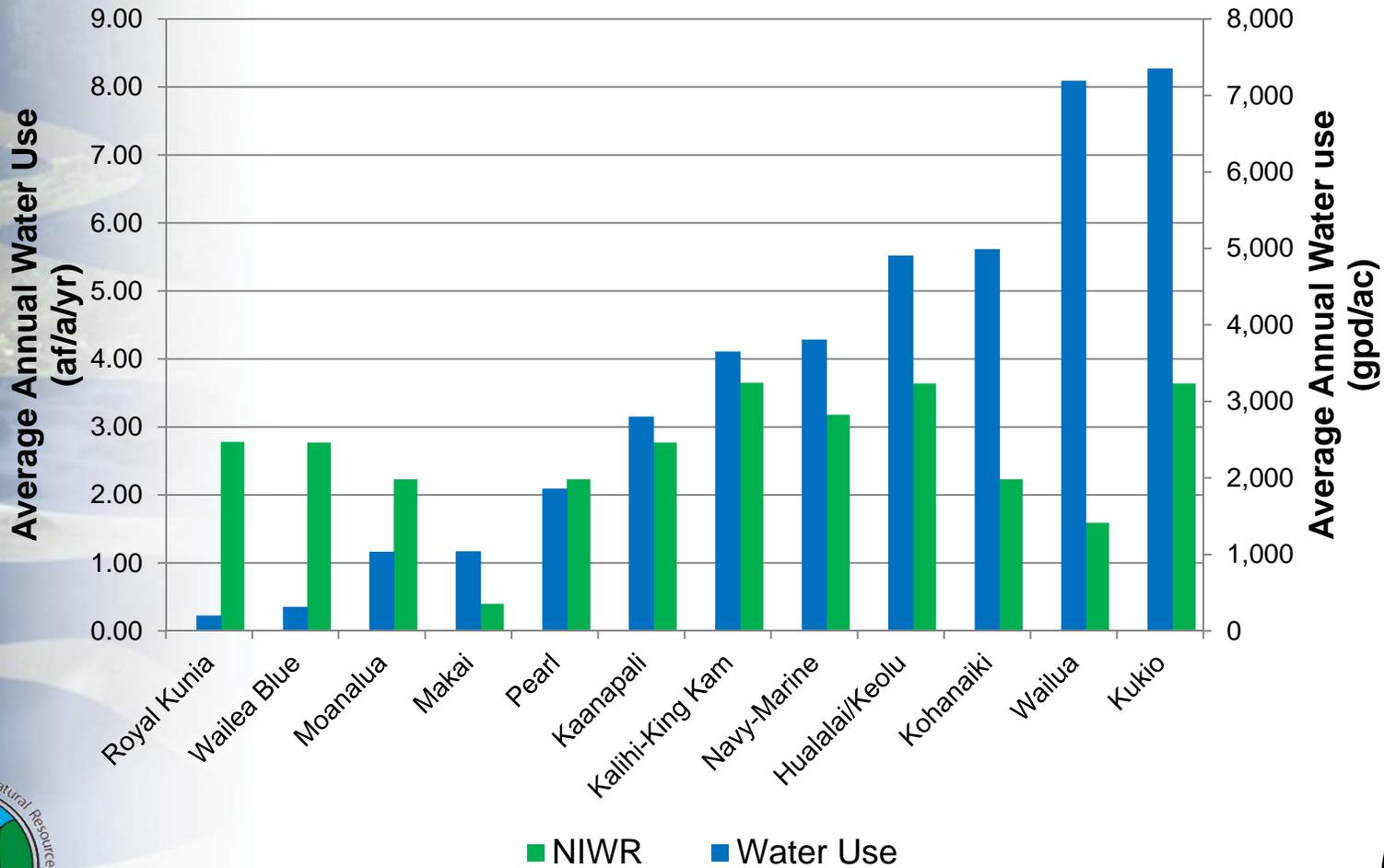


Kaua'i Projected Demands

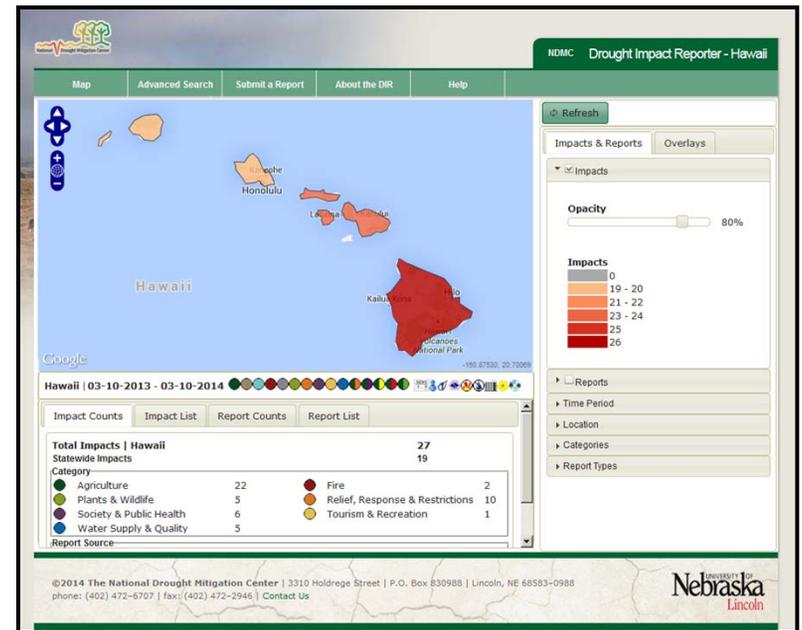
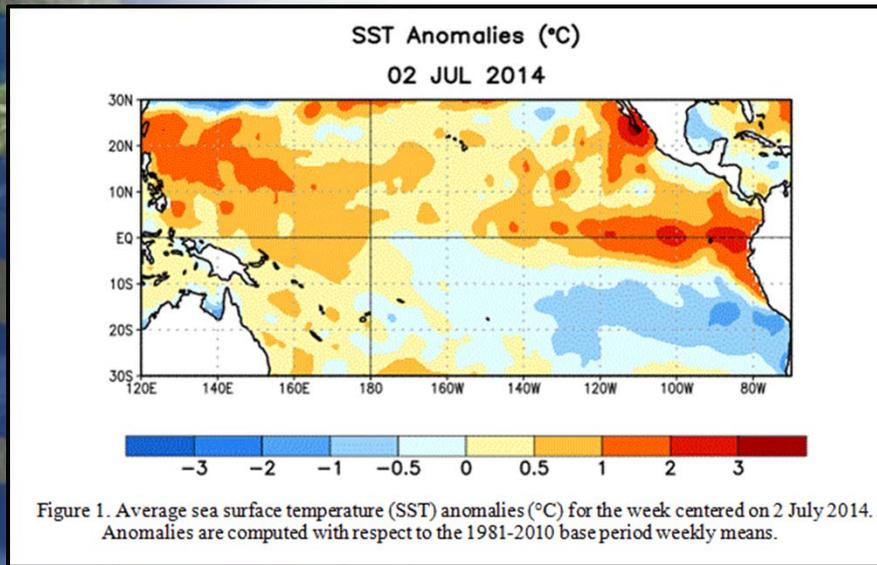
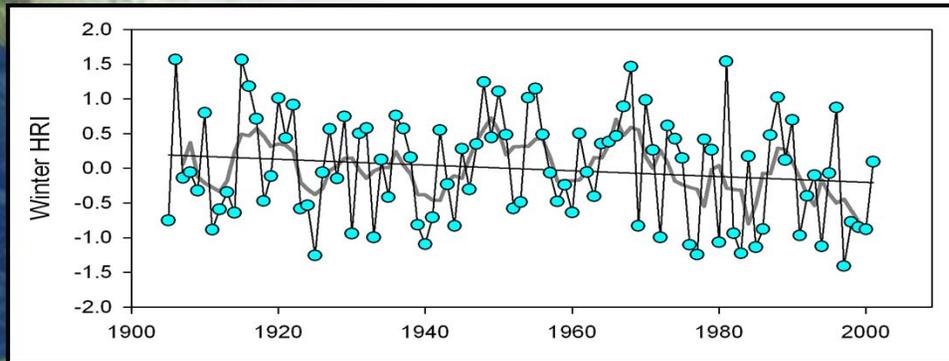


Resource Conservation and Augmentation

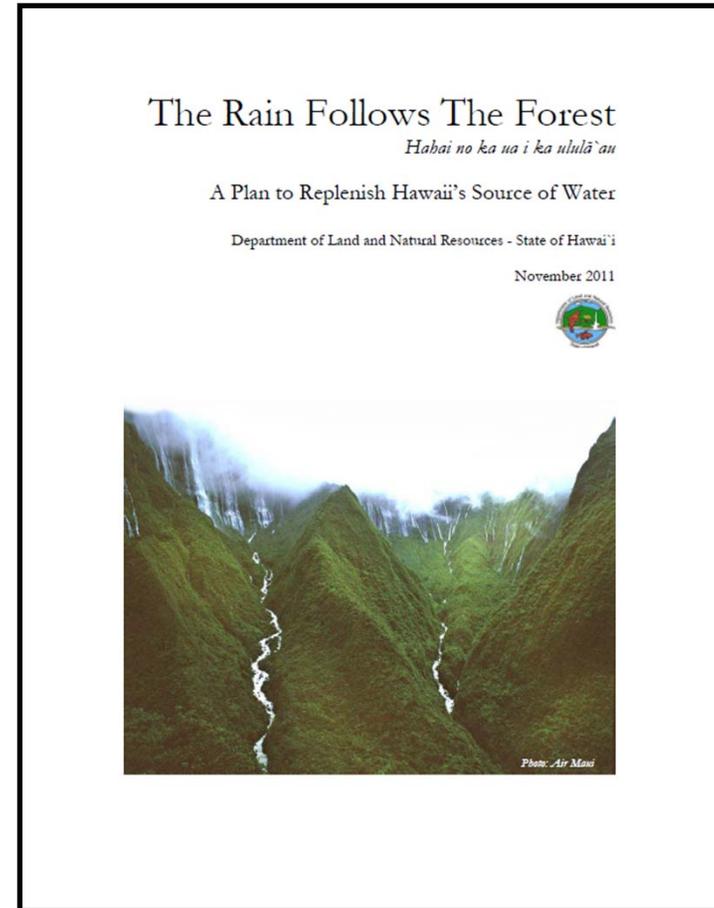
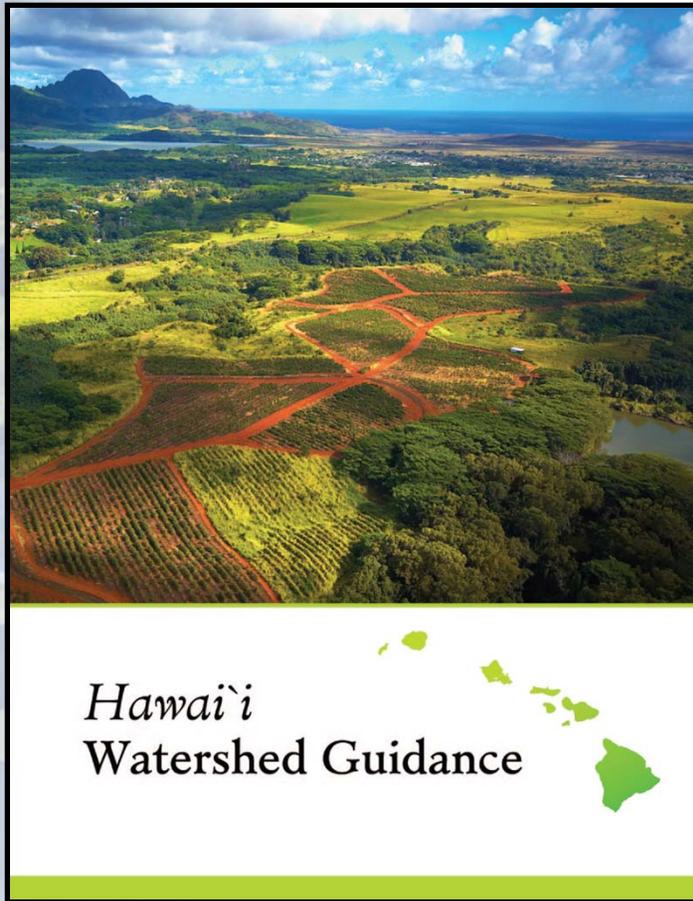
Golf Courses Ranked by Water Usage



Drought Planning



Watershed Protection



Stakeholder Input

- Draft sections to be posted online for review
 - Updates at the Commission on Water Resource Management meetings
 - Public review draft to be completed in the Fall-Winter of 2014
 - Public hearings to be held in early 2015
- Water Resource Bulletin:
<http://dlnr.hawaii.gov/cwrn/newsevents/bulletin/>
 - CWRM Monthly Meetings:
<http://dlnr.hawaii.gov/cwrn/newsevents/meetings/>
 - <http://dlnr.hawaii.gov/cwrn/>
 - dlnr.cwrn@hawaii.gov



WRPP Schedule



WATER RESOURCE STATUS

- Organize the project team
- Update 2008 WRPP chapters with new information
- Analysis of data and status of programs
-
- Water Commission Briefings
- Water Professionals Group Meetings
- Meetings with Agencies and Non-Governmental Organizations

DRAFT WRPP UPDATE

- Identify potential sources of funding
- Develop an Implementation Plan and Schedule
- Compile the Draft WRPP Report
-
- Water Commission Briefing

PUBLIC REVIEW

- Distribute Public Review Draft WRPP
- Solicit and respond to public comments
-
- Water Commission Briefing
- Public Hearings
 - Kona
 - Hilo
 - Maui
 - Lānaʻi
 - Molokaʻi
 - Oʻahu
 - Kauaʻi

FINAL WRPP UPDATE

- Revise Draft WRPP Update Report
- Finalize WRPP Update Report
-
- Water Commission Briefing



Mahalo!

Commission on Water Resource Management

<http://hawaii.gov/dlnr/cwrn/>

dlnr.cwrn@hawaii.gov

