

Appendix D

Regulatory Roles – Who Does What?

Aquatic Resources

Regulate ship ballast

- ✍ California Department of Fish and Game
- ✍ California Department of Health Services
- ✍ U.S. Coast Guard

Prohibit exotic species

- ✍ California Fish and Game Commission

Control exotic species

- ✍ California Department of Boating and Waterways
- ✍ California Department of Fish and Game
- ✍ California Department of Food and Agriculture

Reduce poaching

- ✍ California Department of Fish and Game
- ✍ California Department of Water Resources

Harvest regulations

- ✍ Department of Fish and Game
- ✍ California Fish and Game Commission
- ✍ Regional Water Quality Control Board
- ✍ Pacific Fisheries Management Council

Contaminants

- ✍ California Environmental Protection Agency
- ✍ Caltrans
- ✍ Dischargers
- ✍ State Water Resources Control Board
- ✍ U.S. Army Corps of Engineers

- ✍ U.S. Environmental Protection Agency

Reduce incidental take

- ✍ California Department of Fish and Game
- ✍ Fishing Industry
- ✍ National Marine Fisheries Service
- ✍ Sea Grant

Recovery plan

- ✍ California Department of Fish and Game
- ✍ National Fisheries Service
- ✍ U.S. Fish and Wildlife Service

Monitor candidate species

- ✍ California Department of Fish and Game
- ✍ National Fisheries Service
- ✍ U.S. Fish and Wildlife Service

Consult re: listed species

- ✍ Federal Action Agency
- ✍ National Marine Fisheries Service
- ✍ U.S. Fish and Wildlife Service

Review proposals and actions

- ✍ California Department of Fish and Game
- ✍ National Marine Fisheries Service
- ✍ U.S. Fish and Wildlife Service

Habitat conservation

- ✍ National Marine Fisheries Service
- ✍ Non-Federal Action Agencies
- ✍ State Lands Commission
- ✍ U.S. Fish and Wildlife Service

Species recovery

- ✍ National Marine Fisheries Service
- ✍ Non-Federal Action Agencies

Aquatic Resources Part II

Standards and operations

- ✍ California Department of Water Resources
- ✍ U.S. Bureau of Reclamation

- ✍ U.S. Environmental Protection Agency

Control entrainment

- ✍ California Department of Fish and Game
- ✍ Central Valley Regional Water Quality Control Board

Industrial Facilities

- ✍ U.S. Fish and Wildlife Service

Design/install gates

- ✍ California Department of Fish and Game
- ✍ California Department of Water Resources
- ✍ National Marine Fisheries Service
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Bureau of Reclamation
- ✍ U.S. Fish and Wildlife Service

Fish screens

- ✍ California Department of Fish and Game
- ✍ California Department of Water Resources

Diverters

- ✍ U.S. Bureau of Reclamation
- ✍ U.S. Fish and Wildlife Service

Screens at projects

- ✍ California Department of Fish and Game
- ✍ California Department of Water Resources
- ✍ U.S. Bureau of Reclamation
- ✍ U.S. Fish and Wildlife Service

Reduce predation

- ✍ California Department of Fish and Game
- ✍ California Department of Water Resources

Protect against erosion

- ✍ California Department of Fish and Game
- ✍ California Reclamation Board
- ✍ State Lands Commission
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Fish and Wildlife Service

Avoid habitat damage

- ✍ California Department of Fish and Game
- ✍ Central Valley Regional Water Quality Control Board
- ✍ National Marine Fisheries Service
- ✍ Regional Water Quality Control Board
- ✍ State Lands Commission
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Environmental Protection Agency
- ✍ U.S. Fish and Wildlife Service

Fisheries values

- ✍ California Department of Fish and Game
- ✍ Regional Water Quality Control Board
- ✍ Resource Conservation Districts
- ✍ State Lands Commission
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Environmental Protection Agency
- ✍ U.S. Fish and Wildlife Service

Long-term management

- ✍ California Department of Fish and Game
- ✍ California Department of Water Resources
- ✍ California Environmental Protection Agency
- ✍ California Resources Agency
- ✍ State Water Resources Control Board

EIS/EIR

- ✍ California Department of Fish and Game
- ✍ California Department of Water Resources
- ✍ California Resources Agency

Implement preferred alternative

- ✍ California Department of Water Resources
- ✍ State Water Resources Control Board
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Bureau of Reclamation
- ✍ U.S. Environmental Protection Agency

Flows and Temperature

- ✍ California Department of Water Resources
- ✍ Regional Water Quality Control Board
- ✍ Federal Energy Regulatory Commission
- ✍ Private Water Projects

- ✍ State Water Resources Control Board
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Bureau of Reclamation
- ✍ U.S. Environmental Protection Agency

Screen diversions

- ✍ California Department of Fish and Game
- ✍ California Department of Water Resources
- ✍ Private Water Projects
- ✍ U.S. Bureau of Reclamation

Seek damages

- ✍ California Department of Fish and Game
- ✍ Regional Water Quality Control Board
- ✍ National Marine Fisheries Service
- ✍ State Lands Commission
- ✍ State Water Resources Control Board
- ✍ U.S. Bureau of Reclamation
- ✍ U.S. Fish and Wildlife Service

Wildlife

HBNWR expansion

- ✍ U.S. Fish and Wildlife Service

Wetlands acquisition

- ✍ California Coastal Conservancy
- ✍ California Department of Fish and Game
- ✍ Landowners
- ✍ U.S. Fish and Wildlife Service
- ✍ U.S. Soil Conservation Service

Tidal marshes restoration

- ✍ California Coastal Conservancy
- ✍ California Department of Fish and Game
- ✍ Non-Governmental Organizations
- ✍ State Lands Commission
- ✍ U.S. Fish and Wildlife Service

Non-wetland restoration

- ✍ California Coastal Conservancy
- ✍ California Department of Fish and Game
- ✍ Landowners

- ✍ U.S. Fish and Wildlife Service
- ✍ U.S. Soil Conservation Service

HBNWR management plan

- ✍ U.S. Fish and Wildlife Service

Biodiversity

- ✍ California Coastal Conservancy
- ✍ California Department of Fish and Game
- ✍ California Department of Transportation
- ✍ National Park Service
- ✍ Public Land Management Agencies
- ✍ U.S. Department of Defense
- ✍ U.S. Fish and Wildlife Service

Habitat restoration

- ✍ California Department of Fish and Game
- ✍ Landowners
- ✍ U.S. Fish and Wildlife Service

Predator control programs

- ✍ California Department of Fish and Game
- ✍ Local Governments
- ✍ Public Land Management Agencies
- ✍ U.S. Fish and Wildlife Service

Recovery plans

- ✍ California Department of Fish and Game
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Environmental Protection Agency
- ✍ U.S. Fish and Wildlife Service

Candidate species status

- ✍ California Department of Fish and Game
- ✍ U.S. Fish and Wildlife Service

Wetlands

Regional Wetland management plan

- ✍ Humboldt Bay Harbor, Recreation and Conservation District
- ✍ California Coastal Conservancy
- ✍ California Department of Fish and Game
- ✍ California Environmental Protection Agency

- ✍ California Resources Agency
- ✍ Department of Water Resources
- ✍ Local Governments
- ✍ National Marine Fisheries Service
- ✍ Non-Governmental Organizations
- ✍ Non-Profit Organizations
- ✍ Public Trusts
- ✍ Regional Water Quality Control Board
- ✍ Soil Conservation Service
- ✍ Special Districts
- ✍ State Lands Commission
- ✍ State Water Resources Control Board
- ✍ University of California Cooperative Extension Service
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Congress
- ✍ U.S. Environmental Protection Agency
- ✍ U.S. Fish and Wildlife Service

Cooperative protection efforts

- ✍ Humboldt Bay Harbor, Recreation and Conservation District
- ✍ California Coastal Conservancy
- ✍ California Department of Fish and Game
- ✍ California Environmental Protection Agency
- ✍ California Resources Agency
- ✍ Landowner
- ✍ Local Governments
- ✍ National Marine Fisheries Service
- ✍ Non-Profit Organizations
- ✍ Soil Conservation Service
- ✍ State Lands Commission
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Environmental Protection Agency
- ✍ U.S. Fish and Wildlife Service

Comprehensive state program

- ✍ California Coastal Commission
- ✍ California Department of Fish and Game
- ✍ California Environmental Protection Agency
- ✍ California Resources Agency
- ✍ California State Legislature
- ✍ Local Governments
- ✍ State Lands Commission
- ✍ State Water Resources Control Board

Increase enforcement efforts

- ✍ California Environmental Protection Agency
- ✍ California Secretary of Resources
- ✍ Regional Water Quality Control Board
- ✍ Local Governments
- ✍ National Marine Fisheries Service
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Congress
- ✍ U.S. Environmental Protection Agency
- ✍ U.S. Fish and Wildlife Service

Compensatory mitigation

- ✍ California Department of Fish and Game
- ✍ California Environmental Protection Agency
- ✍ California Resources Agency
- ✍ Department of Water Resources
- ✍ Local Governments
- ✍ National Marine Fisheries Service
- ✍ State Water Resources Control Board
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Environmental Protection Agency
- ✍ U.S. Fish and Wildlife Service

Clean Water Act

- ✍ California State Legislature
- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Congress
- ✍ U.S. Environmental Protection Agency

Acquisition programs

- ✍ California Coastal Conservancy
- ✍ California Environmental Protection Agency
- ✍ Non-Governmental Organizations
- ✍ State Lands Commission
- ✍ U.S. Fish and Wildlife Service

Assistance programs

- ✍ California Environmental Protection Agency
- ✍ California Secretary of Resources
- ✍ California State Legislature
- ✍ Landowners
- ✍ State Lands Commission

- ✍ U.S. Army Corps of Engineers
- ✍ U.S. Fish and Wildlife Service

Convert/restore non-wetlands

- ✍ California Coastal Conservancy
- ✍ California Department of Fish and Game
- ✍ Landowners
- ✍ Non-Profit Organizations
- ✍ Public Trusts
- ✍ Soil Conservation Service
- ✍ Special Districts
- ✍ U.S. Fish and Wildlife Service

Water Use

Feasibility

- ✍ California Department of Water Resources
- ✍ Local Governments
- ✍ Publicly Owned Treatment Works
- ✍ Regional Water Quality Control Board
- ✍ State Water Resources Control Board
- ✍ U.S. Bureau of Reclamation
- ✍ Water Districts

Public education

- ✍ Agricultural Water Suppliers
- ✍ California Department of Health Services
- ✍ Environmentalists
- ✍ Local Governments
- ✍ Publicly Owned Treatment Works
- ✍ Water Districts

Efficient management practices

- ✍ Agricultural Water Suppliers
- ✍ California Department of Food and Agriculture
- ✍ California Department of Water Resources
- ✍ California Farm Bureau Federation
- ✍ California Farm Water Coalition
- ✍ Environmentalists
- ✍ Farmers
- ✍ State Farm Water Coalition
- ✍ State Water Conservation Coalition
- ✍ State Water Resources Control Board

- ✍ University of California Cooperative Extension
- ✍ U.S. Bureau of Reclamation
- ✍ U.S. Department of Agriculture
- ✍ U.S. Soil Conservation Service

Groundwater management

- ✍ California Department of Water Resources
- ✍ California State Legislature
- ✍ Governor
- ✍ Regional Water Quality Control Board
- ✍ State Water Resources Control Board
- ✍ U.S. Bureau of Reclamation
- ✍ U.S. Environmental Protection Agency
- ✍ U.S. Geological Survey
- ✍ Water Conservation Districts
- ✍ Water Districts

Pollution Prevention and Reduction

Toxic pollution discharge

- ✍ California Department of Fish and Game
- ✍ California Department of Food and Agriculture
- ✍ California Environmental Protection Agency
- ✍ California State Legislature
- ✍ Regional Water Quality Control Board
- ✍ Private Sector
- ✍ State Water Resource Control Board
- ✍ U.S. Congress
- ✍ U.S. Soil Conservation Service

Environmental audit procedures

- ✍ California Environmental Protection Agency
- ✍ Regional Water Quality Control Board
- ✍ State Water Resources Control Board

Agricultural practices

- ✍ California Department of Water Resources
- ✍ Landowners
- ✍ U.S. Soil Conservation Service
- ✍ Water Districts

Pesticide reduction

- ✍ California Department of Fish and Game

- ✍ California Department of Pesticide Regulation
- ✍ California Environmental Protection Agency
- ✍ California State Legislature
- ✍ Regional Water Quality Control Board
- ✍ Local Agencies
- ✍ State Water Resources Control Board
- ✍ U.S. Environmental Protection Agency

Water quality objectives

- ✍ California Department of Health Services
- ✍ California Environmental Protection Agency
- ✍ Water Quality Control Board
- ✍ State Water Resources Control Board

Urban runoff

- ✍ Regional Water Quality Control Board
- ✍ Local Agencies

Pollutant loadings

- ✍ California Air Resources Board
- ✍ Caltrans
- ✍ Hazardous Waste Control Agencies

Agricultural toxic substances

- ✍ California Department of Fish and Game
- ✍ California Department of Food and Agriculture
- ✍ California Environmental Protection Agency
- ✍ Regional Water Quality Control Board
- ✍ State Water Resources Control Board
- ✍ U.S. Soil Conservation Service

Toxic loadings

- ✍ California Department of Health Services
- ✍ California Environmental Protection Agency
- ✍ California State Legislature
- ✍ Regional Water Quality Control Board
- ✍ State Water Resources Control Board
- ✍ U.S. Environmental Protection Agency

Model environmental compliance

- ✍ U.S. Department of Agriculture
- ✍ U.S. Department of Defense
- ✍ U.S. Department of Energy

- ✍ U.S. Department of the Interior
- ✍ U.S. Environmental Protection Agency

Clean up contaminants

- ✍ California Department of Fish and Game
- ✍ Regional Water Quality Control Board
- ✍ State Water Resources Control Board
- ✍ U.S. Environmental Protection Agency
- ✍ U.S. Fish and Wildlife Service

Toxic hot-spots

- ✍ California State Legislature
- ✍ Regional Water Quality Control Board
- ✍ State Water Resources Control Board

Dredging and Waterway Modification

Marsh and mudflats

- ✍ Regional Water Quality Control Board
- ✍ National Oceanic and Atmospheric Administration
- ✍ Regional Water Quality Control Board
- ✍ U.S. Geological Survey

Estuarine sediment production

- ✍ Lead & Responsible Agencies Under CEQA & NEPA

Sediment quality objectives

- ✍ Regional Water Quality Control Board
- ✍ State Water Resources Control Board

Reuse regulatory procedures

- ✍ Local Land Use Agencies

Removal of derelict structures

- ✍ U.S. Army Corps of Engineers

Adopt regulatory and management policies

- ✍ Diverse Agencies
- ✍ Project Proponents

Saltwater intrusion

- ✍ Project Proponents
- ✍ U.S. Army Corps of Engineers

Flooding

- ✍ Local Governments
- ✍ U.S. Environmental Protection Agency
- ✍ U.S. Geological Survey

Flood control policies

- ✍ Local Governments
- ✍ State Agencies

Diked historical Baylands

- ✍ California Coastal Conservancy

Land Trusts

- ✍ State Legislature

Land Use Management

Watershed protection plans

- ✍ California Office of Planning & Research
- ✍ Local Governments

Amend CEQA

- ✍ California Office of Planning & Research
- ✍ Regional Water Quality Control Board

Integration into other initiatives

- ✍ California Resources Agency
- ✍ California Office of Planning & Research

Consistent policies

- ✍ Regional Water Quality Control Board
- ✍ Councils of Governments
- ✍ Potential New Regional Entities

Promote development

- ✍ Caltrans
- ✍ Councils of Governments
- ✍ Local Governments
- ✍ Metropolitan Transportation Commission
- ✍ Potential New Regional Entities

Future population

- ✍ California Resources Agency

- ✍ California Office of Planning & Research
- ✍ Caltrans
- ✍ Councils of Governments
- ✍ Metropolitan Transportation Commission
- ✍ Universities

Watershed management plans

- ✍ Regional Water Quality Control Board
- ✍ Landowners
- ✍ Local Governments
- ✍ Non-Governmental Organizations
- ✍ Resources Conservation Districts

Best Management Practices

- ✍ California Resources Agency
- ✍ Regional Water Quality Control Board
- ✍ Councils of Governments
- ✍ Landowners
- ✍ Local Governments
- ✍ Non-Governmental Organizations

Public education

- ✍ Public Involvement & Education Program

Land use training workshops

- ✍ Public Involvement & Education Program

Economic incentives

- ✍ California State Legislature
- ✍ U.S. Congress

New funding mechanisms

- ✍ California State Legislature

Market-based incentives

- ✍ California State Legislature
- ✍ Councils of Governments

Public Involvement and Education

- ✍ Build support for the Humboldt Bay Management Plan
- ✍ Educational resource for government
- ✍ Information clearinghouse
- ✍ Model projects for education
- ✍ Environmental programs

- ✍ Building knowledge of Humboldt Bay
- ✍ Existing public education
- ✍ Public education tools
- ✍ Humboldt Bay Symposium
- ✍ Public opportunities
- ✍ Citizen monitoring programs
- ✍ Develop public involvement
- ✍ Promote research