



Ranch Water Quality Planning

Short Course - Ranch Plan

- Introduction
- Facilities Inventory
- Natural Resources Inventory
- Livestock and Ranch Operations
- Ranch Water Quality Assessment
- Planned Management Practices
- Monitoring Program

Ranch Plan - Section I

Introduction

- **Location**
 - Physical location
 - Hydrologic unit
- **Purpose**
 - Reason for the plan
- **Goals**
 - Production
 - Quality of life
 - Natural resource/water quality

Ranch Plan - Section II

Facilities Inventory

and Ranch Maps

- Buildings, roads
- Corrals, feedlots
- Fences, pastures, fields
- Water developments
- Waste management facilities
- Sediment Sources
 - Man-caused
 - Natural
- Miscellaneous

Ranch Plan - Section III

Natural Resources Inventory

- Climate
- Soils
- Watershed, streams, creeks
- Vegetation
- Wildlife
- Endangered species

Ranch Plan - Section IV

Livestock and Ranch Operations

- Ranch operations
- Animal inventory/feed requirements
- Forage/feed inventory
- Grazing systems
- Crop Agriculture

Ranch Plan - Section V

Ranch Water Quality Assessment

- Watershed address
- Nonpoint source self assessment checklist
 - Erosion and sediment sources
 - Riparian areas and streams
 - Nutrients and pathogens

Ranch Plan - Section VI

Planned Management Practices

- Planned practices (Review FS 9)
- Implementation schedule
 - Priorities
- Cost estimates and cost sharing sources
- Waste management

Ranch Plan - Section VII

Monitoring Program

- Historic records
- Photo monitoring/Sediment Inventory
 - Baseline
 - Annual
- Monitoring grazing
- Other monitoring as needed
 - Temperature
 - Pathogen
 - Nutrient
 - RWQCB voluntary types

Ranch Water Quality Planning Short Course Fact Sheets

- California Rangeland Water Quality Management Plan
- Range Management Advisory Committee
- Regulations and Regulatory Agencies
- Definitions
- Nonpoint Source Pollution on Rangeland
- Management Measures and Practices