

3.5 Assets Management Area

Infrastructure

Strategy 1: Create and maintain a complete inventory of District watershed assets and develop maintenance programs for all assets based on age, condition, and performance.

Objectives

1. Inventory and incorporate utilities, structures, facilities, and equipment into asset management system.
2. Modify asset management system to include all Mokelumne assets.
3. Develop preventative maintenance schedules for all assets.
4. Identify who is responsible for maintenance of each asset and associated costs.
5. Prepare design standards for assets where no District design standards exist.
6. Improve communication between asset management and accounting staff regarding documentation of asset value.

Strategy 2: Complete and implement a Mokelumne Infrastructure Management Plan.

Objectives

1. Incorporate infrastructure elements of the existing Upcountry Wastewater Master Plan and Camanche Improvement Program.
2. Assess current asset condition for assets not already in system.
3. Develop performance standards for operation.
4. Development maintenance protocols.
5. Establish anticipated schedule for asset replacement.
6. Outline process to periodically reassess asset condition and performance and refine preventative maintenance and replacement schedules.
7. Identify annual and long-term capital needs and secure adequate funding to meet management goals.
8. Inform the capital and operating budget process.
9. Explore multiple capital improvement funding mechanisms, including grants, partnerships/ joint projects, in-kind services, and stakeholder financial participation.
10. Include process to identify need for additional assets to support District natural resource and community use programs and activities.

Goal:

Prevent asset failure due to deferred or otherwise inadequate maintenance



3.5 Assets Management Area

Land Ownership and Easements

Goal:

Protect District watershed land and water quality from impacts due to activities on adjacent, non-District owned lands.

Strategy 1: Complete and implement the Watershed Land Ownership Management Plan.

Objectives

1. Identify lands that are highly vulnerable to contaminant transport based on the natural resources inventory and ongoing efforts to quantify sources of potential contaminants to Pardee and Camanche Reservoirs.
2. Establish alternatives for protection and preservation of highly vulnerable lands, including conservation easements, long-term conservation leases, and land purchase.
3. Tie land purchase and conservation easements and leases to capital planning.
4. Evaluate land exchanges to consolidate ownership and optimize watershed management.



Strategy 2: Participate in county planning activities that have the potential to affect District interests.

Objectives

1. Track and comment on land development and use proposals for land adjacent to and within the Mokelumne Watershed hydrologic boundary and the Upper Mokelumne River Watershed hydrologic boundary to promote open space and low density development, limit urban growth boundaries, and enhance watershed protection measures.
2. Evaluate population growth projections relative to potential recreational demand on watershed land.

Strategy 3: Secure access to watershed lands through formal agreements with adjacent property owners.

Objectives

1. Formalize currently informal access agreements.
2. Provide access to remote watershed lands to facilitate District management activities.
3. Improve security of watershed land by facilitating patrols and watershed land inspections.



3.6 Communications Management Area

Goals:

Develop collaborative relationships with Mokelumne Watershed stakeholders

Improve coordination between District operating departments

Strategy 1: Establish a mechanism to identify, assess, and resolve land use concerns in the Mokelumne Watershed and Upper Mokelumne River Watershed.

Objectives

1. Share information on proposed projects with potential stakeholders early in the conceptual development phase.
2. Pursue joint planning efforts with stakeholders on projects/activities on private property that lies within the Mokelumne Watershed and Upper Mokelumne River Watershed.
3. Develop processes to discuss issues and resolve conflicts that are collaborative and focus on interests.



Strategy 2: Formalize Mokelumne Watershed coordination meetings.

Objectives

1. Provide a forum for coordination between Water Operations and Maintenance and Natural Resources Staff.
2. Establish a standard agenda to cover operational/maintenance issues, capital projects, and special events.
3. Discuss and coordinate operating and capital budgets for assets and programs associated with watershed management. Provide coordinated input to the CIP and annual operating budget processes.



3.7 Financial Management Area

Strategy 1: Develop a framework to track and compare management costs over time.

Objectives

1. Track labor and expenses by District staff supporting watershed management efforts by realigning FIS system activity and project numbers.
2. Capture capital costs in each management area.
3. Provide data to support annual budgeting.

Strategy 2: Develop a financial plan for watershed management.

Objectives

1. Optimize use of in-kind resources.
2. Tie asset management to capital funding sources.
3. Broaden financial strategies relative to asset-based revenue enhancement, such as grants, joint partnerships (research), and in-kind financial participation.

Goal:

Develop financial framework for the sustainable management of watershed assets and resources and monitor watershed management costs and revenues to support the land-use decision making process



4.0 Management Direction

District management provides direction in the administration of watershed land use programs and guides implementation of watershed land use policy through the development of procedures, processes, and operating standards. Current land use management procedures, processes, and operating standards were assessed as part of the master planning project relative to the District's overarching goals to protect water quality and ecologic health and to achieve financial sustainability. The Master Plan identifies strategies to improve watershed management activities by the collection of additional data and the development of focused management plans.

The District's 2006 strategic plan identifies the District's objective to adaptively manage the Mokelumne Watershed through the collection, evaluation, and assessment of monitoring data. Adaptive management therefore requires that District management and staff review the results of land use management activities on a regular basis as new information becomes available. Management direction is designed to be updated based on the review of the actual outcomes of District land use practices, the

collection of additional data, and the implementation of strategies as outlined in this document.

The procedures, processes, and operating standards developed by the District will be periodically reviewed and updated to reflect new information and evolving best practices. District management must prioritize the implementation of these procedures, processes, and operating standards depending on the availability of resources. Responsibility for the review, establishment, and documentation of general watershed management direction rests with the operating department primarily responsible for implementation.





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