

# **DRY CREEK GREENWAY**

## **MASTER PLAN**

### Summary of Existing Plans

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## Table of Contents

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<b>1.0 Overview .....</b>	<b>1</b>
<b>2.0 Summary of State and Federal Agency Policies Applicable to the Greenway .....</b>	<b>6</b>
<b>3.0 Summary of City and County Policies Applicable to the Greenway.....</b>	<b>13</b>
<b>4.0 Maps and Figures.....</b>	<b>84</b>

## Tables and Figures

---

Table 1-1 Local Jurisdictions within the Dry Creek Greenway .....	1
Table 1-2 List of Policies & Plans Reviewed .....	2
Table 3-1 Policies Relevant to the Greenway.....	14
Figure 4-1 - Placer County General Plan Designations .....	85
Figure 4-2 - General, Community and Specific Planning Areas .....	86

## 1.0 OVERVIEW

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This report summarizes the policies, ordinances, and codes of various entities as they relate to planning for the Dry Creek Greenway. Other private and public organizations including non-profit organizations that conduct planning or educational activities within the watershed are also considered in this summary.

The Dry Creek Greenway planning area is located in Placer County and includes portions of several incorporated and unincorporated communities (Figure 1-1). Incorporated communities that have land within the Greenway include the Town of Loomis, City of Rocklin and the City of Roseville. The Greenway also encompasses portions of the unincorporated communities of Penryn, Newcastle, Granite Bay, and the Dry Creek-Vineyard area. Development and land use in these communities are covered by Community Plans developed by Placer County. In addition, water, flood control, and transportation agencies each play different roles along various portions of the Greenway. At the state and federal level, a variety of agencies are involved in management issues affecting the Greenway. Table 1-1 lists the local jurisdictions within the Dry Creek Greenway area.

**Table 1-1 Local Jurisdictions within the Dry Creek Greenway**

<b>Jurisdiction/Agency</b>	<b>Type</b>
Placer	County
Roseville	Incorporated City
Rocklin	Incorporated City
Loomis	Incorporated City
Granite Bay	Unincorporated Community
Dry Creek	Unincorporated Community
Newcastle	Unincorporated Community
Penryn	Unincorporated Community
Placer County Flood Control and Water Conservation District	Special District
Placer County Resource Conservation District	Special District
Placer County Transportation Planning Agency	Special District
Placer County Water Agency	Special District
South Placer Municipal Utility District	Special District
Dry Creek Watershed Council	Non-Profit Organization

Placer County and the three incorporated cities with land in the Dry Creek Greenway are required by Government Code 65000 et seq to adopt a General Plan that addresses seven elements including open space, conservation, safety, land use, noise, housing, and circulation. The purpose of the General Plan is to act as a long-term policy guide for the economic, environmental and physical development of the community. References to policies and programs regarding creeks including Dry Creek and the related issue of water quality, open space and habitat are typically addressed in the Conservation and Open Space elements of the General Plan. However, the Land Use element also contains references to land use along, within or near the Greenway.

In addition to the County General Plan, unincorporated communities may have community or specific plans that contain more specific requirements or policies for development in certain areas within a jurisdiction’s boundaries. Community plans and specific plans will typically contain policies regarding open space and conservation that will apply in addition to policies in the general plan. Once adopted, community and specific plans are utilized in conjunction with general plans to regulate land use within a specific area. The various jurisdictions within the Dry Creek Greenway that have community plans with policies relevant to the Dry Creek Greenway planning area include Granite Bay, Horseshoe Bar/Penryn, and Dry Creek/West Placer. There are numerous specific plans also included in the planning area for the Greenway.

Every incorporated county or city is required to have a zoning ordinance that regulates land use within the community. The zoning ordinance will set forth the allowable land uses for private and public property and typically includes a map that depicts the land use designation for all properties within the jurisdictions boundaries. The zoning designations of land within the Greenway are important because they indicate either the current land use or the anticipated future use. In addition to General Plans, community and specific plans and zoning ordinances, communities may have other policies, ordinances and codes that affect land use in a community including tree and Quimby ordinances.

Table 1-2 lists the documents that were reviewed and agencies whose policies may affect the Greenway.

**Table 1-2 List of Policies & Plans Reviewed**

<b>Placer County</b>	
Placer County General Plan	Summarized in table 3-1
Placer County Zoning Ordinance	Policies captured in General Plan
Placer County Trail Master Plan	Summarized in table 3-1
Granite Bay Community Plan	Summarized in table 3-1
Horseshoe Bar/Penryn Community Plan &	Summarized in table 3-1
Dry Creek/West Placer Community Plan	Summarized in table 3-1
Placer County Regional Bikeway Plan	Summarized in table 3-1
Dry Creek Regional Greenway Concept Plan	Summarized in table 3-1
Placer County Sacramento to Lake Tahoe Regional Trail Plan	Summarized in table 3-1
County Development Agreements	No general agreements found applicable to Greenway <sup>1</sup>
County Codes & Ordinances	No specific codes and ordinances found during research <sup>2</sup>

<sup>1</sup> No general development agreements were found during research of agency documents, however, since development agreements are between the agencies and land owners regarding specific parcels, additional research should be conducted during site planning for specific Greenway projects on specified parcels.

<sup>2</sup> No specifically applicable codes and ordinances were found during research of agency documents, however, many agencies have specific ordinances such as tree ordinances that will apply to site planning, and additional research should be conducted during that phase.

County Conservation Easements	No general easements found during research <sup>3</sup>
Dry Creek Watershed Flood Control Plan	Summarized in table 3-1
Secret Ravine Adaptive Management Plan	Summarized in table 3-1
Analysis of Dry Creek Alternatives to Detention.	Summarized in table 3-1
MOU between Placer County Flood Control and Water Conservation District and CDFG regarding Routine Maintenance of Unimproved and Improved Channels	No significant differences from City of Roseville Stream Maintenance MOU reviewed in table 3-1.
Preliminary Feasibility Report Miners Ravine Off-channel Detention Basin	Summarized in table 3-1
<b>City of Roseville</b>	
City of Roseville General Plan	Summarized in table 3-1
City of Roseville Zoning Ordinance	Policies captured in General Plan
City of Roseville Downtown Revitalization Plan	Summarized in table 3-1
City of Roseville Bikeway Master Plan	Summarized in table 3-1
City of Roseville Bikeway Master Plan EIR	Summarized in table 3-1
City of Roseville Creek Maintenance Guidelines	Summarized in table 3-1
City of Roseville Community Design Guidelines	Summarized in table 3-1
North Roseville Specific Plan	Summarized in table 3-1
Landscape Design Guidelines for North Roseville Specific Plan	Summarized in table 3-1
Northeast Roseville Specific Plan	Summarized in table 3-1
Northwest Roseville Specific Plan	Documents were not reviewed since Northwest Roseville is not within the Greenway
Southeast Roseville Specific Plan	Summarized in table 3-1
City of Roseville Vision 2010 – Roseville Park Master Plan	Summarized in table 3-1
Stoneridge Specific Plan	Summarized in table 3-1
Stoneridge Open Space Management Plan	Summarized in table 3-1
City of Roseville Codes & Ordinances	No specific codes and ordinances found during research <sup>2</sup>
City of Roseville Memorandum of Understanding regarding Routine Maintenance Activities in Unimproved or Improved Channels	Summarized in table 3-1
City of Roseville Conservation Easements	No general easements found during research <sup>6</sup>

<sup>3</sup> Research of agency documents did not uncover any general conservation easements that impact the Greenway, however such easements can be numerous and require in-depth research of specific parcels to identify. This level of investigative work needs to be done at a site-scale when detailed planning for that site is performed.

City of Roseville Preserve Operation and Maintenance Plans	No policies found applicable to Greenway <sup>4</sup>
<b>City of Rocklin</b>	
City of Rocklin General Plan	Summarized in table 3-1
City of Rocklin General Plan EIR	Summarized in table 3-1
City of Rocklin Zoning Ordinance	Policies captured in General Plan
South Placer Municipal Utility District	No policies found applicable to Greenway
City of Rocklin Codes & Ordinances	No specific codes and ordinances found during research <sup>5</sup>
City of Rocklin Memorandum of Understanding regarding Routine Maintenance Activities in Unimproved or Improved Channels	No significant differences from City of Roseville Stream Maintenance MOU reviewed in table 3-1.
City of Rocklin Conservation Easements	No general easements found during research <sup>6</sup>
<b>City of Loomis</b>	
City of Loomis General Plan	Summarized in table 3-1
City of Loomis Zoning Ordinance	Policies captured in General Plan
City of Loomis Codes & Ordinances	No policies found applicable to Greenway <sup>5</sup>
City of Loomis Memorandum of Understanding regarding Routine Maintenance Activities in Unimproved or Improved Channels	No significant differences from City of Roseville Stream Maintenance MOU reviewed in table 3-1.
City of Loomis Conservation Easements	No general easements found during research <sup>6</sup>
<b>Placer County Transportation Planning Agency</b>	
Public Transit Routes	Captured in GIS
<b>Placer County Water Agency</b>	
Water Facilities	Captured in GIS
<b>State Agencies</b>	
California Environmental Protection Agency	General policies reviewed in section 2
California Department of Fish and Game	General policies reviewed in section 2
California Department of Forestry and Fire Protection	General policies reviewed in section 2
California Department of Parks & Recreation Folsom Lake Master Plan	Summarized in table 3-1.
California Department of Water Resources	General policies reviewed in section 2
California Regional Water Quality Control Board	General policies reviewed in section 2
Reclamation Board	General policies reviewed in section 2
California Department of Transportation	

<sup>4</sup> While no policies were found in this phase with respect to City of Roseville Preserve Operations and Maintenance plans, additional research should be done in the planning phase in the event that the Greenway impacts a preserve.

<sup>5</sup> No specifically applicable codes and ordinances were found during research of agency documents, however, many agencies have specific ordinances such as tree ordinances that will apply to site planning, and additional research should be conducted during that phase.

<sup>6</sup> Research of agency documents did not uncover any general conservation easements that impact the Greenway, however such easements can be numerous and require in-depth research of specific parcels to identify. This level of investigative work needs to be done at a site-scale when detailed planning for that site is performed.

<b>Federal Agencies</b>	
Calfed	General policies reviewed in section 2
Environmental Protection Agency	General policies reviewed in section 2
Army Corps of Engineers	General policies reviewed in section 2
Fish and Wildlife Service	General policies reviewed in section 2
Federal Emergency Management Agency	General policies reviewed in section 2
National Marine Fisheries Service	General policies reviewed in section 2
Natural Resource Conservation Service	General policies reviewed in section 2
United States Geological Survey	General policies reviewed in section 2
<b>Private Organizations</b>	
Dry Creek Conservancy Secret Ravine Adaptive Management Plan	Summarized in Table 3-1

## **2.0 SUMMARY OF STATE AND FEDERAL AGENCY POLICIES APPLICABLE TO THE GREENWAY**

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At the state and federal level, there are a variety of agencies that have statutory responsibilities regarding habitat, flood control and recreation. While a majority of state and federal agencies do not have a direct role in regulating land use, they often have policies or programs that address resource related issues that affect land use. Many state and federal agencies are considered Trustee or Responsible agencies under the California Environmental Quality Act and are requested to participate or comment on local planning program and projects. Additionally, various state and federal agencies frequently have permitting programs that affect local planning efforts. Described below are various state and federal agencies that have policies or programs that relate to the Dry Creek Greenway.

### **2.1 Department of Fish and Game**

The California Department of Fish and Game (DFG) is responsible for the protection, management, and enhancement of fish and wildlife and the habitats upon which they depend. DFG's stated mission is "to manage California's diverse fish, wildlife, and plant resources, and the habitats upon which they depend, for their ecological values and for their use and enjoyment by the public".

DFG has jurisdiction over, and responsibility for, all populations and habitats of birds, mammals, inland and anadromous fishes, amphibians, reptiles, and aquatic invertebrates within Dry Creek Greenway, including the river channel and associated riparian areas. DFG manages various programs including research, environmental review and agreements, species and habitat restoration and management, public information and outreach, management of hunting and fishing, management of wildlife areas and ecological preserves, artificial propagation, and law enforcement. In addition, DFG promotes habitat restoration activities through various grants.

#### ***2.1.1 Programs and Policies***

##### **Streambed Alteration Agreements (Sections 1600-1607 OF FISH AND GAME CODE)**

Under Sections 1600-1607 of the California Fish and Game Code, DFG is responsible for review of any project which affects the natural flow, bed, channel, or bank of any river, stream, or lake in which there is, at any time, an existing fish or wildlife resource deriving benefit. Proponents of such projects generally must obtain a Stream or Lake Alteration Agreement under Sections 1601 (public project) and 1603 (private project) of the California Fish and Game Code. These agreements are usually initiated through the local DFG warden and will specify timing and construction conditions, including any mitigation necessary to protect fish and wildlife from impacts of the work.

## **2.2 Department of Water Resources**

The Department of Water Resources (DWR) is responsible for formulating coordinated statewide plans for the control, conservation, protection, enhancement, and use of state water resources. DWR's mission is to evaluate current and projected needs for water and development programs; to direct the use of the resource; to protect the public through water quality improvement, flood control, and dam safety programs; and to assist local water agencies with funds, expertise, and technical support to improve their water delivery systems. DWR issues permits for activities involving dams or reservoirs.

## **2.3 Department of Parks and Recreation**

California Department of Parks and Recreation's (DPR) mission is to provide for the health, inspiration, and education of the people of California by helping to preserve the state's extraordinary biological diversity, protecting its most valued natural and cultural resources, and creating opportunities for high-quality outdoor recreation. DPR activities are directed toward accomplishing eight principal objectives: 1) secure and preserve elements of the state's outstanding landscape, cultural, and historical features; 2) provide the facilities and resources required to fulfill the recreational demands of the people of California; 3) provide a meaningful environment in which the people of California are given the opportunity to understand and appreciate the state's cultural, historical, and natural heritage; 4) maintain and improve the quality of California's environment; 5) prepare and maintain a statewide recreational plan that includes an analysis of the continuing need for recreational areas and facilities and a determination of the levels of public and private responsibility required to meet those needs; 6) encourage all levels of government and private enterprise throughout the state to participate in the planning, development, and operation of recreational facilities; 7) meet the recreational demands of a highly accelerated, urban-centered population growth, through the acquisition, development, and operation of urban parks; and 8) encourage volunteer services in the State Park System through the establishment of a recognition program of such services. DPR's resource management includes native plant reintroduction, exotic plant removal, prescribed fire management, and restoration of stream channels, banks, and associated riparian vegetation.

## **2.4 Regional Water Quality Control Board**

The Regional Water Quality Control Board (Regional Board) acts locally for the State Water Quality Control Board. Its role is to protect water quality and the beneficial uses of the waters throughout the region by: 1) issuing waste discharge requirements (permits) regulating the discharge of waste to surface water and groundwater; 2) enforcement of waste discharge requirements by issuing cease and desist orders, cleanup and abatement orders, administrative civil liability orders, and court action; 3) water quality control planning within the region; and 4) surveillance and monitoring to detect new sources of pollution and to ensure that ongoing discharges are in compliance with waste discharge requirements.

The RWQCB also administers Section 401 of the Clean Water Act. Under this law, applicants for a permit from the U.S. Army Corps of Engineers for discharge of dredge or fill material must also obtain a “Water Quality Certification” that the project will uphold specific state water quality standards. Applicants for this certification are required to submit an application with the appropriate fee to the Executive Officer of the Regional Board. Upon receipt of a complete application, the Regional Board staff will determine if waiver, certification, or denial of certification will be recommended. California Environmental Quality Act (CEQA) compliance is required prior to board action.

## **2.5 U.S. Army Corps of Engineers**

The mission of the United States Army Corps of Engineers (USACE) includes providing engineering expertise and oversight for military and certain non-military construction and public works projects and ensuring the navigability and environmental protection of the waters of the United States. The USACE is the principal federal agency involved in the regulation of wetlands. Under Section 404 of the Clean Water Act (CWA) of 1972, the USACE regulates the discharge of dredged or fill material into waters of the United States, including wetlands. The USACE also administers Section 10 of the Rivers and Harbors Act of 1899, which requires approval prior to the accomplishment of any work in or over navigable waters of the United States, or which affects the course, location, condition, or capacity of such waters. Typical activities requiring Section 10 permits are: construction of piers, wharves, bulkheads, dolphins, marinas, ramps, floats, intake structures, and cable or pipeline crossing, dredging, and excavation.

## **2.6 U.S. Fish and Wildlife Service**

The U.S. Fish and Wildlife Service (USFWS) is the principal agency through which the federal government carries out its responsibilities to conserve, protect, and enhance the nation’s fish and wildlife and their habitats. The agency’s major responsibilities are for migratory birds, and candidate, threatened and endangered species listed under the Endangered Species Act. The USFWS is both a regulatory agency with jurisdiction over both public and private lands and a land management agency for federal wildlife refuges. The USFWS is responsible for implementation of the Endangered Species Act (ESA) including: species listing, consultations and permits for possible “incidental takes” of listed species, and oversight and approval of Habitat Conservation Plans.

USFWS’s programs include fish and wildlife conservation; technical and financial assistance on fish and wildlife management to the private sector, federal, state, and local agencies; Migratory birds; the acquisition of areas for management and protection of migratory birds, endangered species, and other wildlife, and for wildlife-oriented public recreation; wetlands conservation; funding for wetlands acquisition; wetland delineation; assessing the affects of contaminants on wildlife and their habitats; conservation of estuarine areas under the Estuarine Areas Act (PL 90-454); the National Wetland Inventory and insuring compliance with NEPA.

In accordance with the Fish and Wildlife Coordination Act, the USFWS reviews projects which are funded by the federal government or require a federal permit. The Clean Water Act gives the USFWS the authority to review dredge and fill permits administered by the U.S. Army Corps of Engineers in waters of the U.S. (Section 404 and Section 10). The USFWS provides consultation on endangered species for the environmental review processes under the Endangered Species Act, National Environmental Policy Act (NEPA), and the California Environmental Quality Act (CEQA).

## **2.7 National Marine Fisheries Service**

The mission of the National Marine Fisheries Service (NMFS) is to conserve, manage, and develop living marine resources and to promote the continued use of these resources for the nation's benefit. Although NMFS jurisdiction and management activities are primarily confined to the coastal zone and its network of estuaries, the agency also is an advocate of measures to protect the health of salmon and other anadromous species. Together with eight Regional Fishery Management Councils and the coastal states, NMFS manages U.S. fisheries under the authority of the Magnuson Fishery Conservation and Management Act, the Fish and Wildlife Coordination Act, and many other federal statutes. Together with the states and the U.S. Coast Guard, NMFS also operates a stringent program to enforce fisheries and protected species laws.

## **2.8 California Environmental Protection Agency**

The mission of the California Environmental Protection Agency is to restore, protect and enhance the environment, to ensure public health, environmental quality and economic vitality. Cal/EPA is made up of several agencies and boards including: Air Resources Board, Department of Pesticide Regulation, Department of Toxic Substances Control, California Integrated Waste Management Board, and State Water Resources Control Board. Each of the agencies under the CalEPA umbrella have their own mission statement and coordinate a programs for the protection of the environment within their respective area of expertise. Some of the above listed agencies manage programs that may affect the Dry Creek Greenway including the State Water Resources Control Board's Non-point source pollution control program.

## **2.9 California Dept. of Forestry and Fire Protection**

The mission of the California Department of Forestry and Fire Protection (CDF) is to: 1) prevent and suppress fires occurring on state and privately owned forest, brush, and grass covered lands; 2) provide land management programs; 3) administer and enforce forest practice rules; 4) assist in range improvement programs; and 5) conduct or cooperate in forest and fire research programs.

Subject to available funding, CDF administers various cost-share programs including the Forest Improvement Program, the Stewardship Incentive Program, the California Forest Improvement Program, and the Agricultural Conservation Program. Some of these

programs are applicable to riparian habitat conservation and watershed planning within the Dry Creek Greenway.

## **2.10 Reclamation Board**

The Reclamation Board (the Board) is the state agency staffed by DWR that cooperates with the USACE in controlling flooding along the Sacramento and San Joaquin Rivers and tributaries. The California Legislature created the Board in 1911 to carry out a comprehensive flood control plan for the Sacramento and San Joaquin Rivers. Under California law, no reclamation project may be started or carried out on or near the Sacramento and San Joaquin Rivers until the Board has approved plans for such work. The Board's efforts focus on controlling floodwater, reducing flood damage, protecting land from floodwater erosion that would affect project levees, and controlling encroachment into floodplains and onto flood control works, including levees, channels, and pumping plants. The Reclamation Board operates a permit program for projects that involve work within designated floodways. The Board also establishes designated floodways in order to maintain channel capacity. The Board usually administers this regulation, but counties can administer it under an agreement with the Board.

## **2.11 Calfed**

The mission of the CALFED Bay-Delta Program is to develop and implement a long-term comprehensive plan that will restore ecological health and improve water management for beneficial uses of the Bay-Delta System. The plan is described in a Record of Decision adopted in 2000. Over two-dozen federal and state agencies are involved in managing the resources of the Bay-Delta. The Calfed program provides a forum in which agencies can coordinate their actions and evaluate their progress. Each agency within Calfed implements the portion of the plan that is within their statutory responsibility. The program also serves as a focal point for stakeholders, government officials and the general public to monitor the Bay-Delta and the collective effects of the agencies actions. Programs operated under the umbrella of Calfed include the following: Science, water management, storage, conveyance, water use efficiency, water transfers, ecosystem restoration, environmental water account, watershed management, drinking water quality, and levee system integrity.

The Dry Creek watershed is located within the larger Sacramento River watershed and is a tributary to the Bay-Delta system. Calfred has provided grant funding for watershed activities within the Dry Creek Greenway.

## **2.12 US EPA**

The Environmental Protection Agency (EPA) was established in 1970 to protect, maintain, restore, and enhance environmental quality and human health through the regulation of activities that have potentially harmful effects on air, water, and land resources. The EPA is charged with protecting the environment through pollution

prevention, reduction, remediation, and education. In so doing, it is the EPA's expressed intent to use the best available scientific information to: 1) foster the integration of economic development and environmental protection so that economic growth can be sustained over the long-term; and 2) to ensure that decisions affecting energy, transportation, agriculture, industry, international trade, and natural resources fully include considerations of environmental quality.

The EPA exercises authority through the National Pollution Discharge Elimination System (NPDES). Section 402 of the Clean Water Act requires EPA to establish regulations setting forth a program of NPDES permits for effluent discharges from point sources of pollution to surface waters. Point sources include municipal storm water management systems, manufacturing plant effluent, sewage treatment plants and storm water runoff from certain industrial and construction sites. NPDES permit programs are delegated to the states once the EPA has approved the State permitting process.

The EPA also has responsibilities under Section 404 of the Clean Water Act. The EPA reviews and comments on public notices and pre-discharge notification for individual and nationwide permits, and is involved in enforcing 404 permits within the Dry Creek Greenway. In addition to its regulatory responsibilities, the EPA provides technical assistance, conducts educational activities, and provides grant funding to state and local governments for a variety of watershed and pollution prevention and reduction activities through its 319 and other grant programs.

## **2.13 FEMA**

The Federal Emergency Management Agency (FEMA) provides flood insurance to jurisdictions that meet the criteria for participation in its program. The program was initiated to encourage better floodplain management and reduce damages in flood-prone areas. To identify flood-prone areas, FEMA requires delineation of a 100-year floodplain, which is then subject to regulation. In developed or developing areas, FEMA also identifies a part of the floodplain called the "floodway" that is subject to extreme limitations on development. In general, structural developments are prohibited in the floodway. The floodway is technically defined as the portion of the floodplain which is required to convey the 100-year peak flow with no more than a one-foot increase in the computed water surface elevation. Development is generally allowed outside of the floodway, although purchase of flood insurance is generally required. Aportino fo the Dry Creek Greenway falls within the 100-year floodplain as defined by FEMA.

## **2.14 NRCS**

The mission of the Natural Resource Conservation Service (NRCS) is to provide national leadership in the conservation, development, and productive use of the nations soil, water and related resources through a balanced, cooperative program that protects, restores and improves those resources. The NRCS provides technical assistance through partnerships with local Resource Conservation Districts, state and federal Conservation Agencies, farm organizations, private interest groups, and other special districts. In addition, NRCS

develops conservation plans for private landowners, makes recommendations on the installation of conservation practices, provides engineering survey and design information, conducts and publishes soils surveys and is responsible for maintaining National Resource Inventory information. NRCS administers the conservation provisions of the 1985, 1990 and 1996 Farm Bills and makes highly erodible land and wetland determinations as they relate to growers participation in USDA subsidy programs. NRCS also administers the Wetland Reserve Program (WRP), Environmental Quality Incentives Program (EQIP), Wildlife Habitat Incentives Program (WHIP), PL-566 Small Watersheds Program and provides technical assistance for the Conservation Reserve Program (CRP) and the Emergency Watershed Protection (EWP).

## **2.15 USGS**

The USGS provides geologic, topographic, and hydrologic information that contributes to the management of resources. USGS collects data on a routine basis to determine quantity, quality, and use of surface and groundwater; conducts water resources appraisals describing the consequences of alternative plans for developing land and water resources; researches hydraulics and hydrology; and coordinates all federal water data acquisition. The U.S. Geologic Survey also operates a network of streamflow gaging stations.

### 3.0 SUMMARY OF CITY AND COUNTY POLICIES APPLICABLE TO THE GREENWAY

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Table 3-1 lists the policies organized by agency and document that may affect planning in the Dry Creek Greenway. Policies are listed by section and subsection within their corresponding document, so they can be easily referenced for additional information. Also noted for each policy are the implications of that policy for Greenway planning. Additionally, each policy is identified as an opportunity or a constraint, depending upon whether it promotes or restricts activities which promote the goals of the Greenway. In some cases, a policy may be both an opportunity and a constraint. For example, preservation of native oaks is an opportunity for habitat preservation and restoration, but a constraint for trails planning. This was either listed as both an opportunity and a constraint, in the event that it was truly both, or was classified as one or the other, depending upon its greatest impact to planning.

Several key policies are repeated among multiple agencies and in multiple documents. Support for a regional, connected bicycle trail system is almost universal. It should be multi-use and connect parks, communities and other destinations for recreational and commuter non-motorized travel. Local trails should connect to regional systems. Staging areas should be provided along the trail system, and it should be integrated with habitat preservation and enhancement, other forms of recreation such as new or existing parks, and flood control such as off-channel detention basins. Bikeways should be scenic, safe and secure. Class I (off-street) trails are preferred over Class II or III. Trail planning should be integrated with restoration, and should seek to minimize erosion of trails and paths. Sensitive or valuable habitats such as oak woodlands, vernal pools and wetlands should be protected. Recreational access and trails should be set back from streams. Cultural resources and archeological sites should also be protected. The public should be involved in the planning process, including programs for education and outreach. Coordination should be done with private developers, since new development is expected to fund many of the new trail segments. Funding for construction and maintenance of the system should be investigated and secured; several agency plans recommended potential sources for funding. Key parcels for acquisition should be identified and prioritized with the top two priorities being land that: 1) is fragile or undisturbed, and 2) links trails or recreational corridors. A comprehensive maintenance plan should be included in the Dry Creek Greenway Master Plan that incorporates Integrated Pest Management practices. Stream channel maintenance should minimize or prohibit removal of vegetation. Finally, the Dry Creek Greenway Master Plan should be coordinated with other plans and studies underway or recently done on the creeks in the system, such as the Secret Ravine Adaptive Management Plan, which includes several surveys and information gathering efforts along Secret Ravine.

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY</b>					
Placer County General Plan August 1994	Land Use Element Page 44	Scenic Routes Policy 1.L.5	"The County shall encourage the development of trails, picnicking, observation points, parks and roadside rests along scenic highways."	Encourage trails and related facilities on scenic routes	Opportunity
	Land Use Element Page 44	Scenic Routes Policy 1.L.7	"The County shall encourage the use of bicycles as an alternative mode of travel for recreational purposes in scenic corridors."	Encourage the use of bicycles in scenic corridors	Opportunity
	Circulation Element Page 77	Non-Motorized Transportation Policy 3.D.1	"The County shall promote the development of a comprehensive and safe system of recreational and commuter bicycle routes that provides connections between the county's major employment and housing areas and between its existing and planned bikeways."	Promote a system of recreational and commuter bike routes.	Opportunity
	Circulation Element Page 77	Non-Motorized Transportation Policy 3.D.2	"The County shall work with neighboring jurisdictions to coordinate planning and development of the County's bikeway and multi-purpose trails with those of neighboring jurisdictions."	Work with neighboring jurisdictions	Opportunity
	Circulation Element Page 77	Non-Motorized Transportation Policy 3.D.3	"The County shall pursue all available sources of funding for the development and improvement of trails for non-motorized transportation (bikeways, pedestrian, and equestrian)."	Pursue funding for improvements to all trails	Opportunity
	Circulation Element Page 77	Non-Motorized Transportation Policy 3.D.4	"The County shall promote non-motorized travel (bikeways, pedestrian, and equestrian) through appropriate facilities, programs, and information."	Promote non-motorized travel	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY</b>					
Placer County General Plan August 1994 (continued)	Circulation Element Page 77	Non-Motorized Transportation Policy 3.D.5	"The County shall continue to require developers to finance and install pedestrian walkways, equestrian trails, and multi-purpose paths in new development, as appropriate."	Development shall pay for trails, etc.	Opportunity
	Circulation Element Page 77	Non-Motorized Transportation Policy 3.D.6	"The County shall support the development of parking areas near access to hiking and equestrian trails."	Provide parking areas near hiking and equestrian trails	Opportunity
	Recreation and Cultural Resources Element Page 100	Recreation Trails Policy 5.C.1	"The County shall support development of a countywide trail system designed to achieve the following objectives: a. Provide safe, pleasant, and convenient travel by foot, horse, or bicycle;...d. Provide for multiple uses ( I.e., pedestrian, equestrian, bicycle);... h. Protect sensitive open space and natural resources."	Support development of a countywide trail system to achieve common objectives for non-motorized travel	Opportunity
	Recreation and Cultural Resources Element Page 100	Recreation Trails Policy 5.C.2	"The County shall support the integration of public trail facilities into the design of flood control facilities and other public works projects whenever possible."	Integrate trails into flood control facilities	Opportunity
	Recreation and Cultural Resources Element Page 100	Recreation Trails Policy 5.C.3	"The County shall work with other public agencies to coordinate the development of equestrian, pedestrian, and bicycle trails."	Work with neighboring jurisdictions	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County General Plan August 1994 (continued)	Natural Resources Element Page 104	Water Resources Policy 6.A.1.	"The County shall require the provision of sensitive habitat buffers which shall, at a minimum, be measured as follows: 100 feet from the centerline of perennial streams, 50 feet from centerline of intermittent streams, and 50 feet from the edge of sensitive habitats to be protected including riparian zones, wetlands, old growth woodlands, and the habitat of rare, threatened or endangered species." Exemptions may be provided to reduce buffer.	Require a 100 foot buffer from perennial streams, a 50 foot buffer from intermittent streams, and a 50 foot buffer from riparian zones and wetlands	Constraint
Horseshoe Bar/Penryn Draft Community Plan	Circulation Element	Policy 2	"Roads, trails and paths should be designed and constructed to minimize erosions and other disturbances to the natural terrain and vegetation. Such facilities shall be designed for economical maintenance."	Minimize erosion from trails and paths	Constraint
	Circulation Element	Policy 4	"The rights-of-way of roads should be wide enough to accommodate appropriate road paving, trails, paths and bikeways, drainage and public utility services."	Include bikeways within rights-of-ways	Opportunity
	Circulation Element	Policy 11	"Roads shall be designed and maintained to encourage safe, alternative forms of transportation that contribute to a rural atmosphere (such as walking and bicycling)."	Design roadways to provide walking and biking opportunities	Opportunity
	Circulation Element	Policy 12	"Trails and paths intended for general circulation shall provide reasonably direct and convenient routes of travel for potential users. Routes for trails and paths intended primarily for recreational use should enhance recreation."	Routes should be direct and convenient	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Horseshoe Bar/Penryn Draft Community Plan (continued)	Circulation Element	Policy 13	"The trail network should facilitate travel between communities and provide access to parks. Trails may be located on or along collector or arterial roads. County or state funds should be sought for construction of trails."	Trails should connect parks and communities, be on collector or arterial roads, and use County or state funds	Opportunity
	Circulation Element	Policy 14	"The local public path and trail system shall be linked with the existing private and regional systems and the Folsom Lake State Recreation Area trail system."	Link to Folsom Lake State Recreation Area trail system	Opportunity
	Circulation Element	Policy 15	"Trails and paths may be located in the right-of-way of roads, in their own rights-of-way, or in recorded easements over private properties."	Provide a variety of locations for trails	Opportunity
	Circulation Element	Policy 16	"As lands are developed, public dedication of trails and path easements shall be required where needed as a part of the community trail and path system. Construction of such trails and paths also shall be required by conditions of approval of land development project."	Require dedication of trails with development	Opportunity
	Circulation Element	Policy 17	"The existing network of dedicated equestrian trail easements in the community, which does not yet constitute a fully usable equestrian trail system, shall be enlarged to form one. Dedicated horse trail easements shall not be abandoned unless there is substantial evidence of no practical use for horse trail purposes."	Improve existing equestrian trails to allow full usage	Opportunity
Horseshoe Bar/Penryn Draft Community Plan Draft and Final EIR	Chapter 8. Traffic and Circulation 8-23	M.M. 8.6	"Require bicycle lanes and equestrian trail improvements as needed to implement the recreation facilities trail."	Implement the recreation facilities trail	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Dry Creek West Placer Community Plan May 1990	Environmental Resources Management Element	Policy 1	"Encourage scenic or greenbelt corridors along major transportation routes. Roads and other public works shall incorporate beauty as well as utility, safety, and economy."	Encourage scenic and greenbelt corridors along major transportation routes	Opportunity
	Environmental Resources Management Element	Policy 11	"Open spaces should be linked visually and physically to form a system of open spaces. Where appropriate, trails shall connect open space areas. Dedication of easements shall be encouraged and in many cases required as lands are developed and built."	Link individual open spaces to form a system of open spaces	Opportunity
	Environmental Resources Management Element	Policy 17	"Stream corridors shall be left in an open, natural condition, except for structures or uses which are compatible with stream corridors."	Limit modification to stream corridors except for compatible uses	Opportunity
	Parks and Recreation Element	Policy 9	"To encourage compatible recreational use of riparian areas along streams and creeks in the same area where feasible."	Encourage compatible recreational uses in riparian areas	Opportunity
	Parks and Recreation Element	Policy 10	"To coordinate the development of trails (equestrian, pedestrian and bicycle) and other recreational facilities with other public agencies such as the Sacramento County and City of Roseville Parks Department."	Coordinate trails with other agencies	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County Trails Master Plan August 2002 (Placer County Parks Division)	1.1 Societal Benefits of Trails	Benefits 1 & 2	"Trails serve to improve the air quality when they are used as transportation corridors to access work, parks, school, entertainment, and other activities. Trails and greenways provide economic benefits to communities, real estate owners, and the health care system."	Recreation trails contribute to the greater good of the community.	Opportunity
	1.1 Societal Benefits of Trails	Benefit 3	"Trails can be a tool for natural resource protection by controlling access to and around sensitive resource areas."	Recreation trails can be used and routed to protect sensitive habitat in the greenway	Opportunity
	3.1 Trail Policies	Policy 1a	"Provide safe, pleasant, and convenient travel by foot, horse, or bicycle."	Encourages building multi-use trails	Opportunity
	3.1 Trail Policies	Policy 1b	"Link residential areas, schools, community buildings, parks, and other facilities within residential developments. Whenever possible, trails should connect to the countywide trail system, regional trails, and the trail or bikeways plans of cities."	Calls for interconnectivity between local and regional recreation trails.	Opportunity
	3.1 Trail Policies	Policy 1c	"Provide access to recreation areas, major waterways, and vista points."	Calls for scenic trail route, links to lakes/rivers.	Opportunity
	3.1 Trail Policies	Policy 1f	"Whenever feasible, separate trails from the roadway by the use of curbs, fences, landscape buffering, and/or spatial distance."	Encourages building Class I trails with landscape buffers.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County Trails Master Plan August 2002 (Placer County Parks Division) (continued)	3.1 Trail Policies	Policy 1g	"Connect commercial areas, major employment centers, institutional uses, public facilities, and recreational areas with residential areas."	Promotes the construction of recreation trails that link destination nodes within communities	Opportunity
	3.1 Trail Policies	Policy 1h	"Protect sensitive open space and natural resources."	Calls for habitat preservation.	Trails: Constraint Habitat:Opportunity
	3.1 Trail Policies	Policy 1i	"Provide a variety of trails experiences."	Encourages applying a diverse planning and design approach on trail projects.	Opportunity
	3.1 Trail Policies	Policy 2	"The county shall support the integration of public trail facilities into the design of flood control facilities and other public works projects whenever possible."	Encourages combining recreation and flood control infrastructure whenever possible.	Opportunity
	3.1 Trail Policies	Policy 3	"The county shall work with other public agencies to coordinate the development [of] equestrian, pedestrian, and bicycle trails."	Promotes interagency coordination.	Opportunity
	3.1 Trail Policies	Policy 4	"The county shall require the proponents of new development to dedicate rights-of-way and/or the actual construction segments of the countywide trail system pursuant to trails plans contained in the County's various community plans, as well as promote loop trails within the development which are multi-use, open to the public, and well designed."	Calls for county governments to order developers to dedicate corridors of land for trail system according to master plans.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County Trails Master Plan August 2002 (Placer County Parks Division) (continued)	3.1 Trail Policies	Policy 5	"The county shall encourage the preservation of linear open space along rail corridors and other public easements for future use as trails."	Promotes preservation of existing open space corridors for potential trails.	Opportunity
	3.4 Environmental Impact	Wetland Disturbance	"Trail systems shall be designed such that special habitat areas such as creeks, wetlands, and estuaries are disturbed as little as possible."	Construction within creek bed could potentially greatly disturb the special wetland habitat there and should be minimized.	Constraint
	3.5 Land Acquisition and Use	Land Acquisition	"Land acquisition procedures shall be established on a project-by-project basis, and shall be coordinated with all districts within the proposed trail corridor."	General land acquisition guidelines are presented which potentially could require a significant amount of time and resources. Land acquisition should be prioritized in the plan and favor public lands and rights-of-way.	Constraint
	3.5 Land Acquisition and Use	Private Property Rights	"Prior to securing trail corridors, affected landowners shall be notified and coordinated with to reduce public/private use conflicts. The privacy, security, and liability concerns of private landowners shall be respected during the design, construction, operation, and maintenance of the trail system and during trail design."	Potential private/public land use conflicts.	Constraint
	3.11 Role of the Private Sector	Incorporating Public Trails	"Private developers will be required to incorporate proposed public trail corridors into their project designs whenever such trails are depicted on Community Plans."	Undeveloped parcels are potential for future trails connections if shown on community plans.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County Trails Master Plan August 2002 (Placer County Parks Division) (continued)	3.12 Responsibilities of Private Property Developers	Trail Development Responsibilities	"Whenever a trail is required of a subdivision, the applicant shall be responsible for all aspects of trail development including planning, design, environmental review, routing, and construction. This includes installing bridges or other structures to cross wetlands, water course, or extreme geographical situations."	Sections of the Dry Creek Bike Path may be built by developers outside of those areas which are already developed.	Opportunity
	4.1 Trail Route Considerations	Setbacks	"The following trail setbacks are recommended in areas with private residences: 25' in urban areas, 50' in residential areas, and 50' in agriculture areas."	The setback from residences requirement makes the future trail alignment less flexible and could potentially make development of a trail difficult in narrow corridors, however, guidelines are recommendations, not requirements.	Constraint
	4.1 Trail Route Considerations	Wetlands	"Before disturbing or crossing any wetland areas, the review and approval of the Department of Fish and Game, the Development Review Committee, and all other appropriate agencies is required."	Planning must include agency approval cycles.	Constraint
	4.4 Full Bench Cut	Excessive Slopes	"Full bench cut construction must be used when either the cross slope exceeds 30%, soils are not stable enough to use as fill, or revegetation is impossible."	In areas where the recreation trails parallel steep banks the grading required could add significantly to the construction cost. These areas should be considered carefully when planning.	Constraint
	4.6 Trail Erosion Control	Erosion Control Measures	"Establishing proper erosion control measures during trail construction is crucial to extending the life of the trail and minimally impacting the surrounding environment."	Erosion control must be considered in site design.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County Trails Master Plan August 2002 (Placer County Parks Division) (continued)	4.7 Wetland and Riparian Crossings	Bridges	"Bridges may be required on a case by case basis to cross creeks and other waterways."	Bridge design and construction is costly, so crossings must be carefully considered in planning trail alignments.	Constraint
	4.21 Landscaping and Replanting Disturbed Areas	Replanting With Natives	"Replant the disturbed area [by trail construction] with native plants to the level that existed before trail construction whenever practical."	During the replanting process there is potential for restoring and recreating habitat. Trail construction must plan for restoration work.	Trails: Constraint Habitat: Opportunity
	Chapter 5: Trail Maintenance	Maintenance	"Timely maintenance is vital to preserving the life of all trails in Placer County."	Maintenance of the recreation trails and vegetation should be included in the Master Planning effort.	Constraint
Placer County Regional Bikeway Plan, September 2002 (Placer County Transportation Planning Agency)	Plan Elements Page 4	Funding Issues	"The next reauthorization of Federal funds for transportation (including bicycle) projects will occur in 2003."	Consider when planning funding for trails	Opportunity
	Plan Elements Pages 4-5	Funding Issues	"State law allows 2% of TDA funds to be set aside for bicycle and pedestrian projects. In Placer County, that amounts to about \$200,000 annually."	Consider when planning funding for trails	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County Regional Bikeway Plan, September 2002 (Placer County Transportation Planning Agency) (continued)	Plan Elements Page 5	Funding Issues	"With the passage of SB 1772, the State Bicycle Transportation Account (BTA) will increase its annual allocation of grant funds from \$5 million to \$7.2 million in FY 2001/02. The BTA will continue to allocate \$7.2 million annually for 5 years. After that time the fund will revert to \$5 million annually. These funds are available for bicycle projects statewide on a competitive basis for any jurisdiction that has prepared and adopted a bicycle plan that complies with State guidelines.	Consider when planning funding for trails	Opportunity
	Plan Elements Page 5	Funding Issues	"In October 1999, AB 1475 became State law. It redirects 1/3 of all annual Federal Highway Administration (FHWA) funds for railroad grade crossings and other transportation safety programs to a new program entitled "Safe Routes to School." Cities and Counties may apply for these funds for bicycle and pedestrian projects that correct a safety problem near a school."	Consider when planning funding for trails	Opportunity
	Plan Elements Page 5	Funding Issues	"The State Office of Traffic and Safety annually offers grants to support programs to increase safety awareness and skills among pedestrians and bicyclists."	Consider when planning funding for trails	Opportunity
	Goals Page 1	Objectives and Policies	Objective: "Create a safe and efficient network of bikeways that enhances bicycle use as a viable alternative mode of transportation for commuter and recreational use and for the avid cyclists as well as the "weekend" rider."	Promotes bike paths for both commuting and recreation	Opportunity
	Goals Page 1	Objectives and Policies	Policy: "Implement the bikeway network by working closely with Placer County jurisdictions, Caltrans, and bicycle advisory committees."	Promotes regional planning approach for bicycle network across jurisdictional lines	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County Regional Bikeway Plan, September 2002 (Placer County Transportation Planning Agency) (continued)	Goals Page 1	Objectives and Policies	Objective: "Encourage agencies responsible for public street, road, and highway improvements to consider the needs of cyclists when designing new or reconstructing existing facilities."	Road improvements in the area could incorporate connections and access ramps to the Dry Creek Greenway Bike Trail System	Opportunity
	Goals Page 1	Objectives and Policies	Objective: "Provide for bikeways that connect to work, school, shopping, transit transfer points, and recreational areas."	Promotes the creation of bike trails that are interconnected with key destinations within the region.	Opportunity
	Goals Page 2	Objectives and Policies	Policy: "Encourage Placer County jurisdictions to work with developers and bicycle groups to dedicate easements for bikeways."	Promotes the designation of parcels and corridors for bikeways.	Opportunity
	Goals Page 2	Objectives and Policies	Policy: "Encourage all Placer County jurisdictions, including Municipal Advisory Committees, to include bikeways in their planning efforts."	Encourages including bikeways in the planning efforts of all jurisdictions within Placer County.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County Regional Bikeway Plan, September 2002 (Placer County Transportation Planning Agency) (continued)	Goals Page 2	Objectives and Policies	Policy: "Develop an ongoing funding source for maintenance of bikeways."	Future maintenance funding sources for bike path corridors targeted.	Opportunity
	Goals Page 3	Objectives and Policies	Objective: "Pursue funding for timely implementation of the bicycle master plan."	Funding for Bike Trails	Opportunity
	Proposed Improvements Page 2	Bikeway Cost Estimates	Objective: "\$400,000+ per mile = cost to grade and pave an 8 foot wide surface with 2 foot wide shoulders on each side. (Does not include amenities such as landscaping, irrigation, lighting, emergency telephones, etc....)"	Cost of Class I Bike Path	Constraint
	Proposed Improvements Pages 15-16	Priority Bikeways	Area 7 -- Unincorporated Southwest Roseville: "Construct Dry Creek Class I from Cook-Riolo Road to Walerga Road -- High priority for implementation, Construct a Class I connecting proposed Class I along Dry Creek at Walerga Road to proposed Class I at Sacramento County Line -- Medium priority for implementation, Construct a Class I connecting proposed Class I at Cook-Riolo Road with proposed Class I at Roseville City Limits to Atkinson Street -- Medium priority for implementation."	Provides direction and priorities for establishing Class I Trails at key identified connections.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County Regional Bikeway Plan, September 2002 (Placer County Transportation Planning Agency) (continued)	Appendix A Page A-6	Priority Bikeways	Area 4 -- Incorporated East Roseville: "Construct a Class I connecting Miners Ravine and Sierra College Boulevard in the Stoneridge area -- Medium priority for implementation, Construct a Class I along Linda Creek from proposed Roseville BMP Class I at Champion Oaks Drive to Existing Class I at Sierra College Boulevard -- Medium Priority for implementation, Extend Existing Class I at Sierra College Boulevard to connect with American River Parkway at Baldwin Lake Nature Area."	Provides direction and priorities for establishing Class I Trails at key identified connections.	Opportunity
	Appendix A Page A-9	Priority Bikeways	Area 5 -- Incorporated Rocklin: "Construct a Class I along Secret Ravine from East Roseville Parkway to Southern China Garden Road -- Medium priority for implementation, Construct Antelope Creek Class I from Berry Street to Placer West Drive -- Medium priority for implementation/Over \$500,000 potential funding available."	Provides direction and priorities for establishing Class I Trails at key identified connections.	Opportunity
	Appendix A Page A-12	Priority Bikeways	Area 12 -- Incorporated Central Roseville: "Extend Miners Ravine Class I from Sculpture Park to Harding Boulevard -- Medium priority for implementation/Funded - Phase I, Construct a Class I along Dry Creek to Harding Boulevard to connect with existing Class I at Royer Park -- Medium priority for implementation."	Provides direction and priorities for establishing Class I Trails at key identified connections.	Opportunity
	Goals and Objectives p.6	Goal: Safe and efficient bicycle use	Objective 1: "Incorporate standard signage and traffic controls as established by CalTrans to ensure a reasonably high level of safety for the bicyclist and motorist."	Incorporate CalTrans standards	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County Bikeways Master Plan, 1998	Goals and Objectives p.7	Goal: Meet both recreation and transportation needs	Objective 2: "Create a bikeway system that takes advantage of the scenic qualities of Placer County for both resident and visitor to enjoy."	Value scenic resources in bicycle trailway planning	Opportunity
	Location and Design Criteria p.13-15	Location and Design Criteria	This plan includes general design and planning criteria for bikeways.	Consider when planning and designing bikeways.	Opportunity
	Policies and Implement-ation p.34	Policy 1	"Require private development to construct bikeways as part of road improvement conditions along all roadways within the Placer County Bikeway Master Plan area."	Consider when developing implementation plan for Greenway	Opportunity
	Policies and Implemen-ation p.34	Policy 3	"Devise, promote and implement a bikeway maintenance, safety and security program."	Consider maintenance, safety and security.	Constraint
	Policies and Implement-ation p.34	Policy 6	"Develop and interface with other modes of transportation."	Provide linkages to other transportation systems.	Opportunity
	Policies and Implement-ation p.34	Policy 8	"Future residential development or subdivision proposals shall be required to incorporate in it's initial design, bikeway facilities whenever appropriate."	Consider when developing implementation plan for Greenway.	Opportunity
	Policies and Implement-ation p.34	Policy 10	"Bikeways shall conform to design standards contained in 'California Highway Design Manual Bikeway Planning and Design', Caltrans, July 1983, unless otherwise established by PCTC."	Requirements for trail design	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Placer County Bikeways Master Plan, 1998 (continued)	Policies and Implement-ation p.35	Policy 13	"The PCTC should establish a long range bicycle committee composed of private citizens, and representatives from local bicyble organizations/clubs for the purpose of identifying bicycle program needs and deficiencies, and contributing to annual updates of the Master Plan."	If this committee was established, they should be involved in the Master Planning process for the Greenway.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Dry Creek Greenway Concept Report	Recommended Greenway Goals & Actions III	Goal 1.4	"Identify opportunities for preservation, enhancement, restoration, interpretation, education, and compatible recreation."	Provides direction for focusing on flood control measures, habitat restoration, and recreation activities within the greenway.	Opportunity
	Recommended Greenway Goals & Actions III	Goal 1.5	"Develop a prioritization plan for protection and restoration of riparian habitat, oak woodlands, vernal pools, archeological sites and trail corridors."	Provides for habitat and cultural resource protection and restoration.	Opportunity
	Recommended Greenway Goals & Actions III	Goal 1.6	"Identify funding sources for long term management."	Provides for identifying funding sources within the Master Plan.	Opportunity
	Recommended Greenway Goals & Actions III	Goal 2.2	"Encourage public support for Greenway goals."	Public involvement is a key component in planning the Greenway.	Opportunity
	Recommended Greenway Goals & Actions III	Goal 2.3	"Educate private developers about the multi-objective benefits of the Greenway."	Include developers as a key stakeholder group.	Opportunity
	Recommended Greenway Goals & Actions III	Goal 3.2	"Seek opportunities to add Greenway elements to proposed flood control projects."	Coordination of flood control projects could result in more effective flood control. Such project should be included in the planning effort, and the Greenway should be integrated into currently proposed projects.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Dry Creek Greenway Concept Report (continued)	Recommended Greenway Goals & Actions III	Goal 3.3	"Promote multi-objective flood management goals to maximize public benefits."	Consider comprehensive flood management within the Greenway.	Opportunity
	Recommended Greenway Goals & Actions III	Goal 3.4	"Incorporate wetlands creation/mitigation into detention basin plans."	Incorporate flood control measures which also create wetland habitat.	Opportunity
	Recommended Greenway Goals & Actions III	Goal 4.1	"Coordinate with existing Parkway and private development plans."	The Dry Creek Greenway Master Plan must integrate with existing plans within the Greenway.	Opportunity
	Recommended Greenway Goals & Actions III	Goal 4.2	"Assist local jurisdictions and/or non-profit organizations in identifying and acquiring key land parcels."	Identify key parcels and prioritize acquisition	Opportunity
	Recommended Greenway Goals & Actions III	Goal 4.3	"Work with local private developers to implement Greenway plans."	Include coordination with private developers in plan implementation strategies.	Opportunity
	Implement-ation Issues IV	Greenway Planning and Interim Management	"Until such time that funding for capital improvements and/or enhancement of the open space is available, it is anticipated that the newly acquired parcels will be leased to agricultural interests or non-profit organizations to manage these properties."	Consider plans to acquire and manage land before funds are available to develop the greenway. Management of such lands will be by nonpublic entities until such time as the greenway is developed.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Dry Creek Greenway Concept Report (continued)	Implement-ation Issues IV	Long Term Greenway Management	"Implementation measures at either the local level or through the managing entity may include, but not be limited to: 1) developing coordinated specific design guidelines, 2) developing an acquisition and development priority list, and 3) developing coordinated operations and maintenance plans."	Consider Greenway plan long term implementation and management.	Opportunity
	Greenway Development Strategy V	Funding for the Greenway	"Funding for the greenway should have three purposes: 1) operations and maintenance, 2) major capital improvements, and 3) land acquisition."	Provides considerations for securing funds.	Constraint
	Greenway Development Strategy V	Priority Phasing Criteria	"Greenway facility development priorities will be based primarily on maintenance capabilities."	The ability to maintain or not maintain land or facilities will determine if purchasing land or building facilities is possible.	Constraint
	Greenway Development Strategy V	Land Acquisition Considerations	"The greenway-wide priorities for land acquisition are: 1) to acquire the most undisturbed or fragile land suitable for riparian habitat and 2) acquire land appropriate to link trail and/or recreation corridors or hubs."	Establishes top two priorities for Greenway land acquisition.	Constraint
	Greenway Development Strategy V	Sensitive Resource Protection	"The primary goal of the regional greenway plan will be to restore and enhance riparian habitat."	Enhancing and restoring riparian habitat is the primary goal for the Greenway.	Constraint
	Greenway Development Strategy V	Facility Development Considerations	"This section outlines the general facility development issues that should be considered for each facility project..."	This section includes guidelines that should be considered in the planning effort for trails and recreational facilities.	Constraint
Placer County Sacramento to Lake Tahoe Regional Trail Plan	<i>The Placer County Sacramento to Lake Tahoe Regional Trail Plan does not affect or impact the proposed Dry Creek Trail System</i>				

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Morgan Creek Dry Creek Riparian Preserve and Management Plan	Management Strategy	Dry Creek Preserve Protection Page 9	No motorized vehicles shall be ridden, brought, used or permitted on any portion of the Dry Creek Riparian Preserve, except for vehicles crossing the golf cart bridge or otherwise used for maintenance or monitoring of the Dry Creek Riparian Preserve, the golf cart bridge or the associated CFD utility lines	Prohibit motorized vehicles within the Dry Creek Wetland Preserve.	Opportunity.
	Management Strategy	Dry Creek Preserve Protection Page 9	The Dry Creek Riparian Preserve shall be maintained as open space. Construction of a public multi-purpose trail and equestrian trail through the riparian corridor will occur.	Supports Placer County's plans for open space areas along creeks and supports development of trails.	Opportunity
	Management Strategy	Dry Creek Preserve Protection Page 9	no vegetation removal, trimming, plowing or cultivation of the Dry Creek Riparian Preserve or any portion of such area, and no destruction of any natural plants within such area shall be done or permitted.	Restrict removal of vegetation within the Preserve.	Constraint
Dry Creek Watershed Flood Control Plan	Chapter 5: Recommended Plan p.5-1	Regional Detention Basins	"Seven regional detention basins are recommended for implementation as part of the Dry Creek Watershed Flood Control Plan."	Potential basins should be considered as part of the Greenway plan as follows: - Miners Rav. below Sierra College Blvd. - Secret Rav. US of Rocklin Rd nr. Sierra, - Antelope Cr at Atlantic Str. - Antelope Cr DS of Delmar Ave. - Strap Rav. At McLaren Dr in Maidu Pk. - Linda Cr. Orangevale Trib. at Oak Ave. - Secret Rav. US of Sierra College Blvd.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Dry Creek Watershed Flood Control Plan (continued)	Chapter 5: Recommended Plan p.5-7	Bridge and Culvert Replacement	"Bridges and culverts ...[to be replaced]...were selected from the list of inadequate bridges and culverts by each of the jurisdictions in the watershed."	Bridge replacement at the table on page 4-6 may provide an opportunity to integrate bikeways into the redesign of the bridge.	Opportunity
	Chapter 5: Recommended Plan p.5-7	Channel Improvements, Levees and Floodwalls	"Local channel improvement, levee, and /or floodwall projects are recommended for three locations in the Dry Creek Watershed..."	The following projects should be considered in planning the Greenway: - City of Roseville Channel Improvement Project, - SAFCA, Rio Linda Channel Improvement and Levee Project, - Miners Ravine, Joe Rodgers Road Project	Constraint
	Chapter 5: Recommended Plan p.5-7	Local, On-site Detention Basins	"All new developments located in the shaded areas of the Dry Creek Watershed [primarily upper watershed] should be required to provide local, on-site detention of stormwater flows..."	Greenway plan should recognize larger watershed-scale flood mitigation efforts. (Ref. Fig 5-2 on p.5-9)	Opportunity
	Chapter 5: Recommended Plan p.5-8	Floodplain Management: Floodplain Mapping	"It is recommended that a systematic approach to the ongoing mapping of floodplains in the Dry Creek Watershed be implemented and funded by the Flood Control District."	Potential for updated floodplain information, to be used in defining the Greenway boundaries.	Opportunity
	Chapter 5: Recommended Plan p.5-8	Floodplain Management: Channel and Creek Clearing	"It is recommended that floodplain management and grading ordinances and policies be enacted...these ordinances should restrict the removal of riparian vegetation from the channels and floodplains of major streams in the Dry Creek Watershed."	Master Plan should limit clearing of vegetation from channels except where absolutely necessary to protect health and safety or structures, or where recent vegetation increases place structures in danger of flooding.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Granite Bay Community Plan 1989	II. Community Development	Specific Policy 2 for Parks and Recreation Land Uses	"Recreation areas shall be located and designed so that access by pedestrians, equestrians, and bicyclists is encouraged."	Encourage access to recreational areas for pedestrians, equestrians, and bicyclists	Opportunity
	II. Community Development	Goal 7 of Community Design Element	"Implement the trails sections of the recreation element through construction of bicycle, equestrian, and pedestrian trails."	Implement the Recreation Element's trails section	Opportunity
	II. Community Development	Policy 2 of Community Design Element	"Require construction of bicycle, pedestrian and equestrian trails as discussed in the Circulation Element and the Trails Section of the Recreation Element."	Require trail construction	Opportunity
	III. Resources	Policy 2 of Open Space Element	"Protect natural areas along creeks and canals."	Preserve creeks and canals	Constraint
	III. Resources	Policy 7 of Open Space Element	"Open spaces should be linked visually and physically to form a system of open spaces. Where appropriate, trails shall connect open space areas. Dedication of easements shall be encouraged or required as lands are developed and built."	Link open spaces with trails	Opportunity
	III. Resources	Policy 13 of Open Space Element	"Stream corridors shall be left in an open, natural condition, except for structures or uses which are compatible with stream corridors."	Leave stream corridors in an open, natural condition	Constraint
	III. Resources	Policy 14 of Open Space Element	"In the design and development of new subdivisions, the following types of areas and features shall be preserved as open spaces to the maximum extent feasible; high hazard areas, scenic and trail corridors, streams, streamside vegetation, other significant stands of beneficial native vegetation, and any areas of special ecological significance."	Preserve sensitive habitat as open space during the design and development of new subdivisions	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Granite Bay Community Plan 1989	III. Resources	Policy 7 of Cultural Resources Element	"Promote the establishment of a connected trail system for bicyclist, equestrian, and pedestrian use."	Promote a connected trail system	Opportunity
	III. Resources	Policy 8 of Cultural Resources Elements	" Encourage compatible recreational use of riparian areas along streams and creeks in the area where feasible."	Encourage compatible use of riparian areas	Opportunity
	III. Resources	Policy 12 of Cultural Resources Element	"Coordinate the development of trails and other recreation facilities with other public agencies such as State Parks."	Coordinate with other agencies	Opportunity
	V. Public/Quasi Public Services	Policy 4 of Transportation / Circulation Element	" Roads, trails, and paths should be designed and constructed to minimize erosion and other disturbances to the natural terrain and vegetation. Such facilities shall be designed for economical maintenance."	Minimize erosion from trails and paths	Constraint
	V. Public/Quasi Public Services	Policy 15 of Transportation / Circulation Element	" Regional bikeways should facilitate travel between communities and provide access to parks. Regional bikeways should be located on or along collector or arterial roads. County or state funds should be sought for construction of regional bikeways."	Encourage trails and travel between communities	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Granite Bay Community Plan 1989	V. Public/Quasi Public Services	Policy 16 of Transportation / Circulation Element	" The local public path and trail system shall be linked with the existing private and regional systems and the road system."	Connect local trails to regional trail systems	Opportunity
	V. Public/Quasi Public Services	Policy 20 of Transportation / Circulation Element	" Local bikeways shall primarily serve the needs of local residents by providing safe and enjoyable circulation within the community."	Provide circulation within the community	Opportunity
Secret Ravine Adaptive Management Plan 2001	4. Conceptual Model p. 14	4.2.4 Conclusions of the existing conditions report	"The existing deeply entrenched channel...theoretically could be reconstructed to a more favorable stable form that could be sustained by current hydrologic and geomorphic conditions. Improvements such as channel re-construction or installation of roughness objects will increase pool depth, gravel quality, etc."	Direction for enhancing stream characteristics in Secret Ravine.	Opportunity
	4. Conceptual Model p.15	4.2.5 Recommendations of the existing conditions report <u>For restoration of vegetation</u>	"Opportunities are greatest where the valley floor is broadest, mostly downstream of Rustic Hills. Terraces outside the flood channel are appropriate for valley oak-dominated communities. Floodplains are more appropriately planted with species of the cottonwood and willow dominated communities. While plantings within the bankfull channels may be considered...they must be recognized as temporary."	Guidelines for vegetation restoration	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Secret Ravine Adaptive Management Plan 2001	4. Conceptual Model p.15	4.2.5 Recommendations of the existing conditions report For stream morphology	<p>"- Develop and implement projects that introduce large roughness objects into stream channels to promote greater hydraulic diversity, bed scour for pools and sorting and flushing mechanisms for gravel. These objects could include logs, root wads and boulders placed along the edges of the entrenched channel.</p> <p>- Where channels are excessively eroding in the headwaters, the channel banks should be regraded to reate the natural three-stage channel condiguration...</p> <p>- Off Road Vehicle Access to the creek should be eliminated...The entry points should be identify and closed off."</p>	Guidelines for stream channel restoration	Opportunity
	4. Conceptual Model p.25	4.5.1 Education-Actions and Adaptive Mgmt Studies Adaptive Mgmt Study 1	"Gather stream flow data for the watershed."	Summarized data could be helpful in Conceptual Plan development	Opportunity
	4. Conceptual Model p.26	4.5.1 Education-Actions and Adaptive Management Studies Action 9	"Educate homeowners and landowners about stream ecology and how their actions can affect it."	Include strategies for homeowner/landowner education as part of Greenway outreach efforts.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Secret Ravine Adaptive Management Plan 2001	4. Conceptual Model p.26	4.5.1 Education-Actions and Adaptive Mgmt Studies Adaptive Mgmt Study 9	"Run hydraulic calculations to calculate the benefit of existing methods of stream maintenance that clear riparian vegetation."	Assessment may be beneficial in Conceptual Plan development	Opportunity
	4. Conceptual Model p.26	4.5.1 Education-Actions and Adaptive Mgmt Studies Adaptive Mgmt Study 11	"Catalogue sediment sources and estimate their contribution to instream sediment loads."	Assessment may be beneficial in Conceptual Plan development	Opportunity
	4. Conceptual Model p.26	4.5.1 Education-Actions and Adaptive Mgmt Studies Actions 10,11,14	"Report the results of the ongoing water quality investigations in the Dry Creek Watershed to a wide range of stakeholders..."	Coordination should be done between this stakeholder effort and the Dry Creek Greenway Master Plan	Opportunity
	4. Conceptual Model p.26	4.5.1 Education-Actions and Adaptive Mgmt Studies Adaptive Mgmt Study 12	"Assess temperature data to determine when and where there are unhealthy temperatures, and to guide further temperature studies."	Assessment may be beneficial in Conceptual Plan development	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Secret Ravine Adaptive Management Plan 2001	4. Conceptual Model p.26	4.5.1 Education-Actions and Adaptive Mgmt Studies Adaptive Mgmt Study 13	"Assess water quality data to determine if contamination is present at critical times in the salmonid life cycle. Use data to locate areas where water quality is a concern..."	Assessment may be beneficial in Conceptual Plan development	Opportunity
	4. Conceptual Model p.26	4.5.1 Education-Actions and Adaptive Mgmt Studies Adaptive Mgmt Study 14	"Assess stormwater quality to determine what pollutants are present, and if they are at a level unhealthy to stalmonids. Locate source of unhealthy discharge."	Assessment may be beneficial in Conceptual Plan development	Opportunity
	4. Conceptual Model p.26	4.5.1 Education-Actions and Adaptive Mgmt Studies Adaptive Mgmt Study 16	"Locate sources of industrial and municipal discharge and assess the quality of the discharge."	Assessment may be beneficial in Conceptual Plan development	Opportunity
	4. Conceptual Model p.26	4.5.1 Education-Actions and Adaptive Mgmt Studies Action 13	"Provide residents with infomraiton about how their home maintenance practices affect stream ecology."	Include strategies for homeowner/landowner education as part of Greenway outreach efforts.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Secret Ravine Adaptive Management Plan 2001	4. Conceptual Model p.26	4.5.1 Education-Actions and Adaptive Mgmt Studies Adaptive Mgmt Study 15	"Gather information about contamination in water entering the stream from urban drains during the non-peak season."	Assessment may be beneficial in Conceptual Plan development	Opportunity
	4. Conceptual Model p.27	4.5.3 Education-Actions and Adaptive Mgmt Studies Action 4a	"Cooperate and coordinate with California Department of Water Resources Fish Passage Improvement Program to design and permit barrier improvements, and to work with landowners to fund improvements."	Integrate efforts of this program into the planning for Dry Creek Greenway.	Opportunity
	4. Conceptual Model p.28	4.5.3 Education-Actions and Adaptive Mgmt Studies Actions 5 & 6	"Work with local stakeholders to identify, design and install streambank stabilization, revegetation, instream complexity, and stream channel morphology projects."	Coordinate Greenway planning with Secret Ravine projects planned or underway. Refer to plan for areas of recommended restoration and other considerations.	Constraint
	4. Conceptual Model p.29	4.5.3 Education-Actions and Adaptive Mgmt Studies Adaptive Mgmt Study 7	"Survey habitat types and type distribution."	Survey may be beneficial in Conceptual Plan development.	Opportunity
	4. Conceptual Model p.29	4.5.3 Education-Actions and Adaptive Mgmt Studies Action 8	"Identify problem stormwater entry points and design and install retrofit projects to reduce erosion and delivery of sediment"	Assessment may be beneficial in Conceptual Plan development	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Secret Ravine Adaptive Management Plan 2001	4. Conceptual Model p.29	4.5.3 Education-Actions and Adaptive Mgmt Studies Adaptive Mgmt Study 10	"Survey riparian quality near stormwater outflows."	Assessment may be beneficial in Conceptual Plan development	Opportunity
	4. Conceptual Model p.29	4.5.3 Education-Actions and Adaptive Mgmt Studies Action 12	"Design and install retrofit projects to reduce delivery of pollutants to the stream"	Projects should be coordinated with Masterplanning effort.	Constraint
	5. Implementation p.31	Table 5 Secret Ravine AMP Resources	"Inclusion of elements fo the AMP in the Dry creek watershed management plan and the Roseville Riparian Management Plan will make it part of implemetnation of those plans using City and County resources."	Integrate these three studies	Constraint
Folsom Lake State Recreation Area General Plan	Planning Issues and Alternatives p.141	Identification of Issues	"Areas of significant agreement: - The American River Parkway bicycle trail extension should be continued to Granite Bay."	The public supports extending the American River Parkway to a point where it can connect to the Dry Creek Greenway.	Opportunity
	Plan Objectives p.143	--	"11. To link Folsom Lake with Sacramento via the American River Parkway bicycle, riding and hiking trail system."	Provides for Folsom Lake SRA connections to regional systems.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Folsom Lake State Recreation Area General Plan	Plan Objectives p.143	--	"13. To encourage access to and circulation at Folsom Lake in a manner reflecting concern for dwindling petroleum resources and the environment, and to minimize, rather than encourage, driving solely for pleasure."	Provides further support for alternative methods of transportation.	Opportunity
	Plan Concepts p.144	Land Use -- General	" <u>Recreation Use to Be Dispersed Around the Lake:</u> Provide access to inaccessible beaches with bicycle trail."	Greenway provides connection to Folsom Lake beaches as a recreational destination.	Opportunity
	Plan Concepts p.146	Transportation and Circulation	"Encourage Non-Automobile Transportation to and within the Park."	Support for bikeways, pedestrian and equestrian trails.	Opportunity
	Plan Concepts p.146	Transportation and Circulation	"Develop a riding and hiking trail system completely around the lake."	Support for bikeways and equestrian trails	Opportunity
	Plan Concepts p.146	Transportation and Circulation	"Connect Folsom Lake major use areas to American River Parkway bicycle trail...and to Western States/Pioneer Express riding and hiking trail."	Support for regional connections	Opportunity
	Plan Concepts p.146	Transportation and Circulation	"Provide bicycle rentals for recreation travel."	Potential additional users of Greenway system.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Analysis of Dry Creek Alternatives to Detention	4. Preliminary Information about Possible Detention Sites on Dry Creek Tributaries	--	Document proposes 5 new detention basin sites: N1 - Miners Ravine u/s of Aub-Folsom Rd N2 - Miners Ravine u/s of Moss Lake N4 - Dry Creek at Saugstad Park N6 - Linda Cr. Betw. Oak Ridge and Rocky Ridge Dr. N8 - Dry Cr. West of Cook Riolo Road - Off channel	Consider sites for detention basin in Greenway design.	Opportunity
	5. Other Regional Detention Possibilities	--	"Regional off-channel detention basins...were also considered...[off-channel basins are] very effective as compared to the operation of the on-channel regional detention basins."	Off-channel detention, such as at site N8, is more effective than on-channel detention, and opportunities for this type of detention should be closely examined.	Opportunity
	6. Feasibility Analysis of Other Proposed Mitigation Methods	6.3 Off-channel Detention Storage	"If the diversion structure is designed correctly, off-channel detention basins are very effective and efficient at reducing peak flows...The same volume of storage will result in a larger reduction if used in off-channel rather than on-channel detention."	Look for opportunities for off-channel detention of floodwater.	Opportunity
	6. Feasibility Analysis of Other Proposed Mitigation Methods	6.8 Cooperation With Recreation and Environmental Habitat Projects	"Using the regional detention sites for recreation and environmental habitat will not affect the potential for peak flow reduction. It will affect positively the potential for implementation."	Regional detention, recreation and habitat can coexist and benefit each other.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Analysis of Dry Creek Alternatives to Detention	6. Feasibility Analysis of Other Proposed Mitigation Methods	6.9 Cooperation With Farmers to Utilize Unplanted Properties for Detention Storage	"This alternative would involve purchase of flowage easements or some other arrangement with farmers that provided flood detention storage."	Farmland adjacent to stream channels may be utilized for floodwater detention.	Constraint
	6. Feasibility Analysis of Other Proposed Mitigation Methods	6.9 Cooperative Projects Within Parks, Including Providing Detention in Playing Fields	"Parks typically have large open spaces that can provide ideal sites for detention storage."	Consider future park sites as potential for floodwater detention	Opportunity
	6. Feasibility Analysis of Other Proposed Mitigation Methods	6.13 Increased Height of Approach Embankment for Bridges in Lower Dry Creek Watershed to Provide Additional Storage."	"Additional storage could be provided upstream from these bridges if the roadway approach embankment heights were increased to increase the water surface elevation of the flood as it passes through the bridge."	May have implications for trail siting upstream of bridges.	Constraint
	6. Feasibility Analysis of Other Proposed Mitigation Methods	6.15 Natural Methods for Floodwater Detention by Increasing Channel Roughness	"Increasing the channel roughness slows down flows in the channel, makes the water surface elevation rise, and increases the width of the floodplain along the channel... Typically, increased roughness in a natural channel results from vegetation growth along the channel."	Improving natural vegetation within the channel benefits floodwater detention goals.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
Analysis of Dry Creek Alternatives to Detention	7. Conclusions	7.1 Regional Detention	"Public misconceptions about the impacts of a detention basin on the environment and recreation can be very hard to overcome."	Plans to integrate detention into the Greenway may help to overcome some of the public misconceptions	Opportunity
	7. Conclusions	7.1 Regional Detention	"Five additional feasible regional detention sites were located as part of this study. However, two (N1 and N2) are on Miners Ravine in the Granite area and it may be very difficult to get approval for construction, although they rated high among the available sites."	Consider recommended sites in Greenway planning	Opportunity
	7. Conclusions	7.1 Regional Detention	"A third site (N8) is located in the lower Dry Creek downstream from Cook Riolo Road on the site of a golf course driving range. This site could, by itself reduce buildout 100-year flood flows to 1989 levels before they enter Sacramento County."	Consider recommended sites in Greenway planning	Opportunity
	7. Conclusions	7.1 Regional Detention	"Two additional sites (N4 and N6) are located in the City of Roseville in parks along Dry and Linda Creeks. These sites also ranked very highly among available regional detention sites."	Consider recommended sites in Greenway planning	Opportunity
	7. Conclusions	7.3 Summary of Alternative Methods	(Paraphrased) The following were the top alternative methods in rated order: 1. Require all development to provide additional detention to reduce flows to approx. 70% of existing. 2. (rated same as 1) Utilize park sites for detention (in particular three designated sites in Roseville (9,N4, and N6) 3. Develop off-channel detention storage for regional or local detention. 4. Cooperate with recreation and environmental habitat projects.	Consider alternative methods in Greenway planning	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>PLACER COUNTY (CONTINUED)</b>					
<p>Memorandum of Understanding between Placer County Flood Control and Water Conservation District and CA DFG regarding Routine Maintenance Activities in Unimproved and Improved Channels</p>	<p>No significant differences from City of Roseville Stream Channel Maintenance MOU.</p>				
<p>Preliminary Feasibility Report Miners Ravine Off-Channel Detention Basin</p>	<p>VIII. Conclusions and Recommendations</p>	<p>N/A</p>	<p>"Staff recommends that the District proceed with the Miners Ravine off-channel detention basin project, with some discretion."</p>	<p>Proposed basin at Miners Ravine downstream of the Sierra College Boulevard crossing should be integrated with habitat goals and planned bike trails along the Greenway in this area. Wetlands proposed at the bottom of the basin should be considered with habitat goals for the Greenway.</p>	<p>Opportunity</p>

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<b>ROSEVILLE</b>					
City of Roseville General Plan November 1992	Circulation Element III-38	Bikeways/ Trails Policy 1	"Develop a comprehensive and safe system of recreational and commuter bicycle routes that provide connections between the City's major employment and housing areas and between its existing and planned bikeways."	Provides for connectivity between existing and planned bikeways; emphasizes commuter routes	Opportunity
	Circulation Element III-38	Bikeways/ Trails Policy 2	"Coordinate Roseville's bikeway and trail system with those of neighborhood jurisdictions."	Interagency Coordination	Opportunity
	Circulation Element III-38	Bikeways/ Trails Policy 3	"Pursue available sources of funding for bikeways and trails."	Funding	Opportunity
	Open Space Element V-15	Vegetation/ Wildlife Policy 2	"Preserve and rehabilitate continuous riparian corridors and adjacent habitat along the City's creeks and waterways."	Calls for Preservation and Rehabilitation of Riparian Corridors	Constraint
	Open Space Element V-16	Vegetation/ Wildlife Policy 5	"Limit recreation activities within the 100-year flood plain and require additional setback areas for trails and other public recreation uses so that natural resource areas are not adversely impacted."	Limits recreation activities and requires additional setbacks for trails to protect natural resources	Constraint
	Open Space Element V-16	Vegetation/ Wildlife Policy 9	"Limit the access of pedestrians and cyclists to vernal pool and wetland areas so that access is compatible with long-term protection of these natural resources."	Protect vernal pools and wetland areas from cyclists and pedestrians	Constraint
	Parks/ Rec. Element VI-10	Parks and Recreation Policy 5	"Cooperate with other jurisdictions to provide regional recreation facilities, where appropriate."	Interagency Coordination	Opportunity
	Parks/ Rec. Element VI-9	Table VI-5	"Floodways, wetlands, oak woodlands, riparian areas, public greenbelts, and golf courses may satisfy park dedication requirements."	Expands definition of park dedication to include potential trail areas	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
Northeast Roseville Specific Plan April 8, 1987	Open Space & Conservation Component Page 10	Goal 1	"Prohibit development within the environmentally sensitive floodplain and riparian oak woodland areas."	Prohibits development in sensitive areas	Constraint
	Open Space & Conservation Component Page 10	Goal 2	"Ensure preservation of the miner's Ravine and Secret Ravine Creeks and their adjoining environs as natural open space corridors."	Preserve Miner's Ravine and Secret Ravine Creeks	Constraint
	Open Space & Conservation Component Page 10	Goal 3	"Minimize urban encroachment and impacts of such encroachment into the oak woodland areas."	Limit urban encroachment in oak woodland areas	Constraint
	Open Space & Conservation Component Page 10	Goal 4	"Preserve the opportunity for long term enjoyment and preservation of the rare and endangered species of plant found in vernal pools on the site."	Preserve endangered species in vernal pools	Constraint
	Open Space & Conservation Component Page 10	Goal 6	"Provide adequate and diverse park and recreation facilities for the residents of the plan area."	Provide park and recreation facilities	Opportunity
	Open Space & Conservation Component Page 10	Plan Policy 1	"Prohibit development within the 100 year floodplain and accompanying riparian habitat as defined by the Nolte Study and the Project EIR."	Prohibits development in 100-year floodplain and riparian habitat	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
Northeast Roseville Specific Plan April 8, 1987 (continued)	Open Space & Conservation Component Page 10	Implementation ii.	"Offer drainage, recreational, incidental maintenance and pedestrian easements over such lands to the City."	Provide recreational and pedestrian easements over floodplains, streamways, etc.	Opportunity
	Open Space & Conservation Component Page 10	Implementation iii.	"Specifically prohibit: one, construction of habitable structures; two, fill which would cause an increase in the up and downstream (off plan site) flood surface elevation; and, three, structures intended to dam the flow of water."	Prohibit development that would affect drainage and stream flow	Constraint
	Open Space & Conservation Component Page 10	Plan Policy 2	"Mitigate the impact of public improvements required within the floodplain and riparian habitats."	Mitigate impacts on floodplain and riparian habitats	Constraint
	Open Space & Conservation Component Page 10	Implementation ii.1.	"Require that the placement of bridges, sewer lines and trails within riparian areas and the floodplain be done so as to minimize environmental effects and floodwater flows by: 1. minimizing the number of trees removed; 4. placing foot and bike paths/ trails so that snags and trees favored by raptors are avoided; 7. minimize the number of paths/trails; 8. designing bridge crossings to permit movement of wildlife beneath them."	Conditions for grading and construction near streamways	Constraint
	Circulation Component Page 38	Implementation 2.I.	"Dedicate a pedestrian/bikeway through the (False) ravine with access points as described in the Open Space Component."	Create a ped./bikeway through False Ravine	Opportunity
		Implementation 2.iv.	"Include on-street bikeways for commuter bike use."	Use on-street bikeways for commuters	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
Southeast Roseville Specific Plan April 20, 1988	3.3 Bikeways Page 33	Circulation Master Plan Figure 13	Consistent with the Dry Creek Greenway Master Plan, with 8' Class 1 bikeway on Eureka Road, east of Sierra College Boulevard. Additional Class 1 trails shown.	Supports identified bikeways of the Dry Creek Greenway Master Plan	Opportunity
Roseville Downtown Revitalization Plan	Goal #3 & Action Plans p. 11	Pedestrian/ Bicycle Bridge	"Purpose: Construct a bridge over the Union Pacific Railyard providing a safe, convenient and interesting pedestrian/bicycle connection between the Historic District and Downtown areas. Location: The preferred location is from the Pacific Street Parking Lot in the Historic District to the parking lot at the City Hall Annex on Vernon Street."	Address Greenway connections to Royer Park, Historic District and Downtown. <i>Note: This project is not actively being actively developed at this time due to funding constraints.</i>	Opportunity
	Goal #3 & Action Plans p. 11	Royer Park Improvements	"Purpose: Renovation of Royer Park to expand activities and services to Roseville residents through: - Improved access to Dry Creek Stream Area..."	Recognize Greenway connections to downtown at Royer Park and relationship of stream and Greenway to the Park.	Opportunity
	Goal #5 & Action Plans p. 13	N/A	"Complete Analysis of Central Roseville's Infrastructure (e.g. parking, sewer capacity, etc.)..."	May provide additional data on storm sewer system as well as parking for staging at Royer Park.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Bicycle Master Plan	II. Goals and Objectives p.9	Recreation Objective	"Increase the range of recreational amenities and opportunities for Roseville residents."	Provides support for a comprehensive bike system.	Opportunity
	II. Goals and Objectives p.9	Recreation Objective Policy a	"Create a bikeway system that takes advantage of the scenic qualities in Roseville."	Promotes trails that are in scenic areas such as the greenway.	Opportunity
	II. Goals and Objectives p.9	Recreation Objective Policy b	"Create a system that links public open spaces and recreational facilities."	Guideline to connect open space with recreation.	Opportunity
	II. Goals and Objectives p.9	Recreation Objective Policy c	"Ensure that some bike paths are separated from roadways for recreational use."	Encourages Class I trails like those proposed for the greenway.	Opportunity
	II. Goals and Objectives p.9	Recreation Objective Policy d	"Ensure that bike facilities are accessible."	Allows use of trails by a broad range of the population	Opportunity
	II. Goals and Objectives p.9	Commuting Objective	"Reduce traffic congestion by providing a viable alternative to the automobile."	Encourages alternative transportation.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Bikecycle Master Plan (continued)	II. Goals and Objectives p.9	Inter-connectivity Objective	"Provide a bikeway system that will offer convenient routes between employment centers, residential areas, recreation center, parks, schools, shopping centers, transit stops, train stations, and will close gaps in the existing system and between planned bikeways."	Bikeway routes will be developed to maximize access to a variety of destinations within the City.	Opportunity
	II. Goals and Objectives p.10	Connectivity Objective	"Provide a bikeway system that offers connections to adjacent and regional bikeways."	Promotes bikeway connections	Opportunity
	II. Goals and Objectives p.10	Safety Objective	"Improve safety for bicycle riders through public awareness campaigns, bicycle safety education, law enforcement efforts, bikeway improvements and engineering, including signs and traffic controls, and amenities such as call boxes and lighting."	Make bikeways safe	Opportunity
	II. Goals and Objectives p.10	Environment Objective	"Reduce traffic, noise and improve air quality by providing a viable commute alternative to the automobile."	Reduce traffic, noise, and pollution by promoting the use of bikeways	Opportunity
	II. Goals and Objectives p.10	Implementation Objective	"Develop an implementation plan and schedule to ensure that the bikeway system is constructed and maintained according to need and available funding, and to ensure that bikeway planning and construction are incorporated into new development project conditions where appropriate."	Promotes the Dry Creek greenway through private financing where appropriate. Requires implementation plan & schedules.	Opportunity
	II. Goals and Objectives p.10	Implementation Objective Policy a.	"Integrate bicycle route planning into the land use and development processes."	Provides directive for integrative planning.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Bicycle Master Plan (continued)	II. Goals and Objectives p.10	Implementation Objective Policy b.	"Encourage responsible agencies/divisions to consider needs of cyclists when designing new facilities or when planning improvements."	Recommends incorporating cyclist needs in new developments or improvements.	Constraint
	II. Goals and Objectives p.11	Implementation Objective Policy c.	"Include funding mechanisms for construction and maintenance in new development projects when feasible."	Funding for bikeways needs to be identified.	Opportunity
	II. Goals and Objectives p.11	Implementation Objective Policy d.	"Develop a system to evaluate, monitor and implement trail design standards."	Research existing standards and develop new standards where applicable.	Opportunity
	II. Goals and Objectives p.11	Funding Objective	"Develop a plan of prioritized bikeway projects that can be used to secure funding from federal, state, and regional sources."	Incorporate into Funding Plan	Opportunity
	II. Goals and Objectives p.11	Maintenance Objective	"Maintain bikeways and related facilities in good condition for safe and efficient use of cyclists... ...Develop a maintenance schedule for routine maintenance of bike facilities, including minor repairs, mowing of weeds, etc."	Include in Maintenance and Monitoring Plan	Opportunity
	IV. Bicycle Safety p.21	Safety Needs	"All Class I bike paths must be designed in conformance with City of Roseville Improvement Standards, which exceed Caltrans Minimum Design Standards, the Americans with Disabilities Act (ADA), and the California State Accessibility Standards."	Must incorporate standards into bikeway design plans. Refer to plan for guidelines.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Bicycle Master Plan (continued)	IV. Bicycle Safety p.21	Safety Needs	"Emergency vehicles must have access to all Class I bike paths, and in fact, new bikeways are designed to accommodate the turning radius of these vehicles."	Trails with larger radii require more land, and therefore, more habitat may be impacted. Introducing vehicles to the greenway may also impact the environment. Must incorporate emergency vehicle access into Greenway design and enhanced emergency services, including fire protection.	Constraint
	IV. Bicycle Safety p.21	Safety Needs	"The City of Roseville Transportation Division oversees efforts to improve bicycle safety by implementing the following safety measures: - Lighted Rest Areas, with drinking water available; - Call boxes at rest areas and other locations as needed (i.e. over/under crossings, densely vegetated areas, and long stretches of pathway, - A dedicated bike patrol; - Regular path maintenance; - Eliminating unsafe or hazardous conditions; - Closure of remote areas after dark; special lighting of dark areas, such as under-crossings in excess of 50 feet; and - bike racks and storage lockers.	Consider elements in planning and design.	Constraint
	V. Ultimate Bikeway System p.24	Planning Criteria	" <u>Grade Separated Bikeways</u> -- Whenever feasible, the intersection of Class I bike paths with streets (particularly highly-traveled streets) should be grade-separated."	Consider in planning and design	Constraint
	V. Ultimate Bikeway System p.25	Planning Criteria	" <u>Regional Bike System Connections</u> -- The bikeway system in Roseville should connect with existing and proposed regional bike routes."	Promote trail interconnectivity.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Bicycle Master Plan (continued)	VII. Funding and Liability p.40	Potential Funding Sources: Federal Sources	Programs listed in the document include: Surface Transportation Program (STP) Transportation Enhancement Activities (TEA) Hazard Elimination and Railway-Highway Crossing Programs Congestion Mitigation and Air Quality (CMAQ) Recreation Trails Fund National Scenic Byways Transit Enhancement Activity Program	Consider for Funding sources.	Opportunity
	VII. Funding and Liability p.41	Potential Funding Sources: State Sources	Programs listed in the document include: California Bikeways Act - Bicycle Transportation Account (BTA) Environmental Enhancement and Mitigation Program (EEM) Flexible Congestion Relief (FCR) Habitat Conservation Fund Grant Land and Water Conservation Fund Program Mello-Roos Community Facilities District Act of 1982	Consider for Funding sources.	Opportunity
	VII. Funding and Liability p.42	Potential Funding Sources: Local Sources	<u>"Local Transportation Fund (LTF)</u> -- This program, part of the Transportation Development Act (TDA), provides that 1/4 of one cent of the retail sales tax be apportioned back to the county of origin for improving transportation facilities, including bikeways."	Consider for Funding sources.	Opportunity
	VII. Funding and Liability p.43	Potential Funding Sources: Local Sources	<u>"Development Fees</u> -- These fees are levied on development, based on trip generation rates and traffic impacts expected by the proposed development."	Consider for Funding sources.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Bicycle Master Plan (continued)	VII. Funding and Liability p.43	Potential Funding Sources: Local Sources	" <u>Development Agreements</u> -- This program does not provide funding to the City; however, development agreements can require developers to install, fund, and maintain portions of bikeway facilities."	Consider for Funding sources.	Opportunity
	VII. Funding and Liability p.43	Potential Funding Sources: Local Sources	" <u>General Fund</u> -- Funding for bikeway projects must be requested from the General Fund through the City Council, and approved on a project-by-project basis."	Consider for Funding sources.	Opportunity
	VII. Funding and Liability p.43	Potential Funding Sources: Local Sources	" <u>Other Local Programs</u> -- The City may implement programs recommended by SACOG to provide bikeways and bicycle facilities including "adopt-a-trail", symbolic shares in trail right-of-way, and memorials."	Consider for Funding sources.	Opportunity
	VII. Funding and Liability p.46	Liability	"Even though Class I bike paths are separated from the roadway, they still legally fall under the definition of a "highway", since bicycles are legally defined as vehicles. This is an important point because it means that bikeways are covered under many of the same basic immunities as other highways."	Liability issues.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
Program Environmental Impact Report for the City of Roseville's Bicycle Master Plan Update	Chapter 2: Project Description p.2-7	Alternatives to the Proposed Project	" <u>Alternative A: Reduced-Width Class I Bikeways Alternative:</u> Because significant impacts are primarily associated with Class I (off-street) trails, the EIR includes an analysis of providing Class I (on-street) bikeways of reduced width (overall width of 12 feet rather than 14 feet)."	A narrower bike path will required less materials, and therefore moderately less cost. Less damage to habitat would occur, however narrower trails may be less safe for trail users and may reduce the ability to provide emergency services. This may be considered in planning the Greenway.	Opportunity
	Chapter 2: Project Description p.2-8	Required Permits and Approvals	" <u>City of Roseville -- Certification of Final EIR and Project Approval</u> -- The Roseville City Council is charged with reviewing the draft and final BMP update and the accompanying environmental documents, conducting public meetings to listen to comments from agencies and members of the public about the project and the documents, and then determining whether to certify the EIR and whether to adopt the project."	Approval of Final EIR and BMP could add to the implementation timeline for the Greenway.	Constraint
	Chapter 2: Project Description p.2-8	Required Permits and Approvals	" <u>City of Roseville -- Tree Permit</u> -- The Roseville Planning Department, Planning Commission, and City Council are charged with reviewing the project and making decisions regarding approval of a tree permit for removal of protected oak trees in accordance with the Roseville Tree Ordinance (Ordinance No. 2294)."	Provides enhanced protection for native oaks. Acquiring permits for protected oak tree removal could add to the implementation timeline. Removal of such trees should be avoided where possible.	Constraint
	Chapter 2: Project Description p.2-8	Required Permits and Approvals	" <u>City of Roseville -- Flood Encroachment Permit</u> -- The Roseville Planning Commission issues flood encroachment permits for projects proposed within the City's designated Floodway (FW) District."	Flood encroachment permits may be necessary for structures within the Greenway.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
Program Environmental Impact Report for the City of Roseville's Bicycle Master Plan Update (continued)	Chapter 2: Project Description p.2-8	Required Permits and Approvals	<u>"Sacramento District of the Army Corps of Engineers -- Permit under Section 404 of the Clean Water Act -- Projects that result in the placement of dredged or fill materials into waters of the United States, including wetlands, require a Section 404 permit from the U.S. Army Corps of Engineers (Corps)."</u>	Section 404 permits will be required for in-channel restoration work as well as stream crossings.	Constraint
	Chapter 2: Project Description p.2-8	Required Permits and Approvals	<u>"Central Valley Regional Water Quality Control Board -- Water Quality Certification or Waiver under Section 401 of CWA -- Projects requiring a Section 404 permit from the Corps also need a waiver or water quality certification from the Regional Water Quality Control Board (RWQCB) as a permit condition."</u>	Water Quality Certification permits will be required for restoration in the creek channel as well as stream crossings.	Constraint
	Chapter 2: Project Description p.2-8	Required Permits and Approvals	<u>"Central Valley RWQCB -- Storm Water Pollution Prevention Plan (SWPPP) -- Under the National Pollutant Discharge Elimination System general stormwater permit for construction, a SWPPP is required for projects affecting 5 or more acres."</u>	Large projects such as staging areas may require a SWPPP prior to implementation.	Constraint
	Chapter 2: Project Description p.2-8	Required Permits and Approvals	<u>"California Department of Fish and Game -- Streambed Alteration Agreement under Sections 1600-1603 of the California Fish and Game Code -- Projects located in a 100-year floodplain fall under the jurisdiction of the California Department of Fish and Game (DFG), which is charged with protecting stream corridor habitat."</u>	Since the Greenway is largely within the 100 year floodplain, work within the Greenway may require a Streambed Alteration Agreement.	Constraint
	Chapter 2: Project Description p.2-9	Required Permits and Approvals	<u>"State Reclamation Board -- Encroachment Permit -- An encroachment permit would be required for any work within any designated floodway or any work that would affect existing flood control structures."</u>	Encroachment permits may be needed for work within the Greenway.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
Program Environmental Impact Report for the City of Roseville's Bicycle Master Plan Update (continued)	Chapter 2: Project Description p.2-9	Required Permits and Approvals	<p>"U.S. Fish and Wildlife Service and National Marine Fisheries Service -- Consultation under Section 7 of the Federal Endangered Species Act (ESA) -- The Corps' Section 404 permit also requires consultation with the U.S. Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (MNFS) under Section 7 of ESA. If species listed under that act are present on the project site, the project must avoid them or provide mitigation approved by those agencies."</p>	Work within the Greenway may require surveys for special status species and appropriate mitigations.	Constraint
	Chapter 3: Environmental Analysis p.3.3-14	Impact B-4	<p>"Construction and operation of Class I bikeways could result in some disturbance or loss of a portion of the habitat types and potentially alter the matrix of habitat values."</p>	The Master Plan should minimize habitat impacts, and mitigate for them where impacts are unavoidable.	Constraint
	Chapter 3: Environmental Analysis p.3.3-23	Mitigation Measure B-4	<p>"If avoidance of all occupied habitat is not feasible, the City will be required to obtain an incidental take permit under ESA and/or CESA, depending on the species. The permit conditions will require mitigation to compensation for take and removal of occupied habitat."</p>	Account for permits as needed.	Constraint
	Chapter 4: Other CEQA Considerations p.4-3	Biological Resources	<p>"Cumulative development would cause significant unavoidable impacts with respect to the loss of annual grassland, oak and riparian woodlands, raptor foraging habitat, and vernal pools and other jurisdictional waters of the United States."</p>	Minimize impacts to biological resources and apply mitigation measures as necessary.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
Program Environmental Impact Report for the City of Roseville's Bicycle Master Plan Update (continued)	Chapter 4: Other CEQA Considerations p.4-4	Biological Resources	"The City has submitted a grant application to CALFED for funding to develop a creek and riparian management and enhancement plan. If funded, this grant would enable the city to develop a creek and management plan to address cumulative concerns throughout the city's open space system, including those involving implementation of Class I bikeways in open space and park areas."	Integrate DCMP with Roseville Creek and Riparian Management Plan.	Opportunity
	Chapter 4: Other CEQA Considerations p.4-4	Biological Resources	"The MOU being developed between the City and NMFS will address water quality issues related to Central Valley steelhead. An overarching goal of the MOU is to establish a cooperative relationship between the City and NMFS to allow better protection and management of fishery resources as well as to assist the City to more efficiently fulfill its various other responsibilities in and near waterways."	Integrate DCMP and Memorandum of Understanding	Constraint
	Chapter 4: Other CEQA Considerations p.4-5	Hydrology and Water Quality	"...flooding continues to be a major concern in the area and the City cannot, by itself, fully mitigate flood impacts. Therefore, until a regional flood control plan has been implemented, this is considered a significant cumulative impact."	Integrate DCMP with regional flood control planning efforts, and work to mitigate flood damage within the Master Plan framework.	Constraint
City of Roseville Creek Maintenance Guidelines	Special Status Species p.2	Habitat	"Within the geographic boundaries of the City's creek system, seven special-status species may occur..."	Special precautions need to be taken during the construction process regarding surveying and mitigating for impacts to special status species.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Creek Maintenance Guidelines (continued)	Pro-Active Creek Maintenance Activities p.24	Flood Control	"Creek maintenance activities should be carried out consistent with the goal of achieving maximum flow conveyance while restoring creek habitat and enhancing the biodiversity of the creek ecosystem. A pro-active approach can benefit the natural resources within the City's creeks and be a cost saving to the City by reducing maintenance activities that are hydrologically unnecessary for flood control."	During the construction within the greenway flood control measures can be implemented that also increase areas of wildlife habitat.	Constraint
City of Roseville Community Design Guidelines	Sections 3, 4, & 5	Subsection A.5.c	"Bikeway design shall conform to the criteria set forth in the City's Improvement Standards, the Bikeway Master Plan, and the California Highway Design Manual."	Final bikeway design must conform to multiple sets of standards.	Constraint
City of Roseville Park Visions 2010 Comprehensive Parks & Recreation Master Plan	Parks & Recreation Demand Analysis p.II-19	Year 2010 Residents Survey Scenario -- Willingness to Pay	"The future Roseville population is likely to be more willing than today's population to be taxed at low levels for increased amenities and services, especially for... ..building bicycling and hiking trails."	Consider for Future funding sources.	Opportunity
	Recreation Facilities Inventory and Analysis p.III-30	Deficiencies -- Neighborhood Park Distribution	"Improve recreational opportunities along Dry and Cirby creeks so that they connect to Royer, Saugstad and possibly Eastwood parks."	Provide connections to the listed parks	Opportunity
	Recreation Facilities Inventory and Analysis p.III-37	Conclusions and Recommendations	"Master Plan and refurbish the following existing facilities...Royer Park."	Integrate Greenway with Royer Park. <i>Note: Master Planning of Royer Park has been completed.</i>	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Park Visions 2010 Comprehensive Parks & Recreation Master Plan (continued)	Mission, Goals, and Policies p. V-2	Policies	"The City shall ensure the provision of nine acres of park land per 1,000 residents."	Development and acquisition of the greenway could help Roseville maintain the desired park land to population ratio.	Opportunity
	Mission, Goals, and Policies p. V-2	Policies	"Cooperate with other jurisdictions to provide regional recreation facilities, where appropriate."	Plan for interconnectivity between local and regional recreation trails.	Opportunity
	Mission, Goals, and Policies p. V-3	Policies	"Require that parks and recreational facilities be phased or fully completed so as to be available as adjacent residential uses are developed."	As neighborhoods are built mandate improvement to the greenway be constructed concurrently. Development will pay for some trails.	Opportunity
	Mission, Goals, and Policies p. V-3	Policies	"Develop a comprehensive open space network, connecting public and private open space lands, and providing access to destinations throughout the City and surrounding areas."	Open space network should be interconnected throughout City.	Opportunity
	Mission, Goals, and Policies p. V-13	Open Space Network (Policy 13)	"In the October 1993 Resident's Survey, when asked to choose between 90 acres of creeks, oak woodlands, and natural habitat to be kept as permanent open space or a 10-acre developed park with sports fields, playgrounds, and picnic areas, 51% favored the open space and 44% favored the open space and 44% favored the developed park (5% had no opinion)."	The public is in favor of preserving the parkways.	Opportunity
	Mission, Goals, and Policies p. V-15	Facility Renovation (Policy 16)	"Establish a policy, funding, and schedule to renovate existing parks and facilities to prevent deterioration from use and aging, and to preserve the existing parks and facilities in safe, attractive, and usable conditions."	Provides for renovation of existing parks which, in cases like Royer Park, may allow better integration between the park and Greenway.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Park Visions 2010 Comprehensive Parks & Recreation Master Plan (continued)	Mission, Goals, and Policies p. V-18	Division Goals and Service Objectives (Policy 17)	<u>"Park and Landscape Maintenance</u> Goals: Provide a park landscape and open space environment that is conducive to a healthy, safe and pleasurable experience for the user."	Provides for maintenance of open space.	Opportunity
	Mission, Goals, and Policies p. V-18	Division Goals and Service Objectives (Policy 17)	<u>"City Tree Maintenance</u> Goal: Provide programmed maintenance for the City's publicly owned trees methodically and systematically."	Provides for maintenance of City trees.	Opportunity
	Mission, Goals, and Policies p. V-19	Division Goals and Service Objectives (Policy 17)	<u>"Streambed Maintenance and Repair</u> Goal: Provide proper maintenance of the floodways and creeks throughout the City of Roseville to mitigate the danger to health, safety and welfare posed by recurrent flooding."	Provides for flood damage mitigation	Flood Control: Opportunity Habitat: Constraint
	Mission, Goals, and Policies p. V-19	Division Goals and Service Objectives (Policy 17)	<u>"Park Security</u> Goal: Enhance citizen utilization and enjoyment of the City's park system. Preserve and protect the natural resources and historical values of the park system through a program of community education, patrolling, and law enforcement by the City's Park Rangers in an effort coordinated with the Police Department...Provide regular uniformed patrols of the City's developed parks and undeveloped open space an average of 35 times per month for each park facility...Educate children and adults about the natural resources and historical values of the City park system..."	Provides for patrols in City Open Space and Educational programs on natural resources.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Park Visions 2010 Comprehensive Parks & Recreation Master Plan (continued)	Facility Standards p. VI-4	Recommended Park Standards	"A land dedication requirement and credit of three acres per 1,000 for open space park land for non-traditional activities, which is based on an actual land dedication between 15 and 30 acres which will receive a partial credit between 5:1 and 10:1 recreational value only after active (traditional) recreation needs have been met."	Established guidelines of 3 acres of open space land per 1,000 residents.	Opportunity
	Facility Standards p. VI-4,5	Recommended Park Credit Implementation	"Non-traditional park lands may be granted partial credit towards meeting the nine acre/1,000 population standard if they provide some form of recreational value. Recreational value is defined as a measure of public accessibility and recreational improvements. This may include bike trails along creekways...vernal pools with walking, picnicking and interpretive signage, etc...The following public lands may be considered by the City to receive partial park credit: Floodways, wetlands, oak woodlands, riparian areas, public greenbelts...unique natural or cultural resources."	Provisions for meeting park land requirements with non-traditional parks such as bike trails	Opportunity
	Facility Standards p. VI-8	Recommended Park Siting Criteria	"Open Space Areas: - Locate consistent with Open Space Element of the General Plan, - Provide access to open space areas except those areas sensitive to human presence, - Provide an interconnecting system of open space corridors which, where feasible, incorporate bikeways and pedestrian paths, - Incorporate special or unique features."	Provides guidelines on locating open space.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Park Visions 2010 Comprehensive Parks & Recreation Master Plan (continued)	Facility Standards p. VI-20	Recreation Corridor Standards	<p>"Site characteristics:                      - Open space corridors developed along creeks, riparian areas, oak woodlands, utility easements, or rights-of-way.                      - Minimum 25 feet wide.                      Basic Amenities:                      - Bicycle/pedestrian path, 10 feet wide,                      - Trailhead areas with benches or picnic tables, water, public telephone, and informational signs,                      Optional Amenities:                      - Lighting,                      - Drinking fountain,                      - Gravel jogging shoulders, separate from bicycle/pedestrian path."</p>	Provides guidelines for planning and design of open space.	Opportunity
	Maintenance and Operations p. VII-2	Existing Maintenance and Operations	<p>"The Parks Maintenance Division of the Department provides the following services:                      - Complete maintenance of ...public landscapes, bike trails, streambed areas...                      - Services in regard to environment and habitat protection...and management of forest and wooded areas to maximize their aesthetic and useful value."</p>	Responsibility for maintenance.	Opportunity
	Maintenance and Operations p. VII-2	Streambed Maintenance and Repair	<p>"The Streambed Maintenance and Repair program provides maintenance of the floodways of the creek beds throughout the City for the purpose of preventing recurrent flooding and protection of health, safety and welfare. The program cleans accumulated debris and obstructions from creek channels and also plants native trees in the floodways."</p>	Defines maintenance activities	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
City of Roseville Park Visions 2010 Comprehensive Parks & Recreation Master Plan (continued)	Maintenance and Operations p. VII-19	Integrated Pest Management Program	"[The City's] IPM strategy includes the following: - Conform to all local, state and federal laws and regulations regarding pest management. - Insure safe and efficient use of pesticides without endangering or alarming the public and the environment. - Utilize an Integrated Pest Management approach in all pest management operations."	Follow IPM guidelines in Monitoring and Maintenance planning.	Constraint
	Action Plan p. VIII-12	Open Space	"As development within the City continues, existing privately owned open space resources could be affected by development pressures. This Master Plan recommends that the City acquire those parcels or acquire development rights and easements for those parcels which provide significant open space resources for the City."	Provides for preservation of open space	Opportunity
	Action Plan p. VIII-13	Open Space	"This Master Plan recommends that the Department coordinate with the Department of Public Works towards development of proposed Class I bikeways within existing City of Roseville designated open space areas..."	Supports Bikeway Master Plan	Opportunity
Stoneridge Specific Plan March 18, 1998	Project Concept Page 1.2	Key Concept	"Designation of land area to provide for a major detention facility within the Plan Area on Miner's Ravine east of Roseville Parkway".	Provide Flood Control Facilities	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
Stoneridge Specific Plan March 18, 1998 (continued)	Project Concept Page 1.2	Key Concept	" Implementation of a comprehensive park plan including two community sized parks with traditional active facilities such as softball and soccer as well as possible small lake in the park on Parcel 29."	Provide Park Facilities adjacent to designated open space.	Opportunity
	Project Concept Page 1.2	Key Concept	"Creation of low density neighborhoods oriented toward local parks and linked by an open space trail system."	Promotes trail development in residential development for connectivity of open space.	Opportunity
	Purpose and Intent Page 2.1	Goal and Objective	"Preserve Miner's, False and Secret Ravines and protect other significant natural resources, view corridors and open spaces.	Promotes open space near or along open space and riverine habitat.	Opportunity
	Purpose and Intent Page 2.1	Goal and Objective	"Accommodate the siting of a regional flood control detention facility."	Provide Flood Control Facilities	Opportunity
	Bicycle and Pedestrian Pathway System Page 4.9	Plan Component	"A 10' wide class 1 bike trail shall be provided along the west side of Sierra College Boulevard located within the landscape setback. This trail shall extend from the point of connection with the Miners Ravine bike trail north of Parcel 60 to Collector B."	Promotes Bicycle travel and trail connectivity.	Opportunity
Stoneridge Open Space management Plan	Preserve Management Objective	Permitted Uses Page 10	"Bike Trails as specified in the SRSP Bikeway master Plan, with alignment revisions to meet accessibility and emergency access standards as such alignments and access points may differ slightly from those delineated."	Implement the Stoneridge Specific Plan Bikeway Plan.	Opportunity
	Preserve Management Objective	Permitted Uses Page 10	"Passive recreational activities may include trails, fences, picnic areas, rest stops, overlooks, and habitat interpretation areas."	Promotes Passive Recreational activities within the plan area.	Opportunity
	Preserve Management Objective	Prohibited Activities Page 11	"Building of any new roads or trails, beyond those expressly anticipated by the SRSP."	Prohibits new trail development in sensitive areas.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
Memorandum of Understanding between City of Roseville and DFG regarding Routine Maintenance Activities in Unimproved and Improved Channels	II. Authorized Activities p.3	A. Debris or Obstruction Removal	"Removal of debris, trash, rubbish, flood-deposited woody and herbaceous vegetation, fallen trees, dead trees which are in clear danger of falling in or across the channel, branches, and associated debris which noticeably reduces channel capacity, would result in accelerated erosion and/or cause pump damage."	Authorized activities that do not require Corps permits, See MOU for mitigation measures.	Constraint
	II. Authorized Activities p.4	B. Silt, Sand or Sediment Removal	"Removal/displacement of silt, sand, or sediment in the immediate vicinity of man-made facilities or structures which cause obstruction to flow."	Authorized activities that do not require Corps permits, See MOU for mitigation measures.	Constraint
	II. Authorized Activities p.5	C. Vegetation Control	"Control of aquatic and terrestrial vegetation may be performed with the use of mechanical devices, chemicals, or hand labor. Control of aquatic vegetation, weeds, grasses, shrubs and woody growth to remove obstructions to flow in improved channels, and in the channel bottom from toe of slope to toe of slope of unimproved channels, as shown on Exhibit 7. Control of weeds and grasses on maintenance roads within the banks, to conduct facility inspection, by mechanical means, hand labor, or chemical application. Control of the lower branches of woody growth, less than <u>four (4)</u> inches in diameter, growing on the lower stream banks from ground level to a distance of 6 feet above the ground level. Where appropriate, removal of non-native vegetation (bamboo, tree tobacco, castor bean, pampas grass, eucalyptus, acacia, etc.), including stump and root removal from top of bank to top of bank, as shown on Exhibit 8."	Authorized activities that do not require Corps permits, See MOU for mitigation measures.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
Memorandum of Understanding between City of Roseville and DFG (continued)	II. Authorized Activities p.5	D. Repair of Previous Erosion Control Work	"Repair of failed rock, sacked concrete, or gabion section. Maintenance activities shall be confined to the failed section and immediately adjacent areas (adjacent areas not to exceed <u>twenty (20)</u> feet) affected by the failure."	Authorized activities that do not require Corps permits, See MOU for mitigation measures.	Constraint
	II. Authorized Activities p.5	F. Minor Erosion Control Work	"Sloping, installation of rock, gabions, or other erosion control measures as shown in Exhibit 6 and 7, from the toe of slope in the channel to a maximum of <u>thirty (30)</u> feet, measured vertically, above the channel invert to stabilize the eroded area. The length of the project work shall be less than <u>fifty (50)</u> feet."	Authorized activities that do not require Corps permits, See MOU for mitigation measures.	Constraint
	III. Time and Manner of Maintenance Activities	--	Maintenance activities shall be performed at a time and in a manner so that the proposed maintenance activities minimize adverse impacts and provide for the protection and continuance of the fish and wildlife. Periods of implementation of maintenance activities...are as follows: - Mechanical crews - <u>June 1 to October 30</u> - Hand crews - <u>June 1 to March 1</u> (regular cleaning) <u>Critical Locations</u> Anytime debris build-up at bridges and culverts threatens to flood existing structures or facilities.	Consideration for Maintenance Planning	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
North Central Roseville Specific Plan	2. Land Use Element p.2-2	2.1 Land Use Goals	"3. The plan Area will provide a comprehensive circulation system for vehicular traffic, cyclists, and pedestrians..."	Provides for interconnected bicycle and pedestrian trail system.	Opportunity
	2. Land Use Element p.2-3	2.1 Land Use Goals	"6. The Plan Area will provide visual landmarks in the form of prominent buildings, formal landscape corridors along major arterial streets, and permanent views through open space corridors."	Preserve views to visual landmarks and within open space corridors. Preserve scenic qualities of open space corridors.	Opportunity
	3. Community Form and Design Element p.3-4	3.2.2 Pedestrian Circulation	"5. To ensure pedestrian access within the community, clear connections to the pedestrian pathways shall be provided at regular intervals in the landscape corridors...and in the open space corridors. Pedestrian pathway access connections shall occur along the perimeter of a project at an average interval of every 600 linear feet, with the distance between individual access points not to exceed 1000 linear feet along the perimeter of the project...The location of pedestrian access openings shall be coordinated with the location of transit stops to facilitate the use of public transit."	Provides guidelines for access to pedestrian pathway system. Also applies to Business-Professional and Light Industrial land uses.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
North Central Roseville Specific Plan	3. Community Form and Design Element p.3-12	3.2.5 Landscaping Adjacent to Natural Open Space Areas	"1. Formal landscaping adjacent to the natural open space areas, including oak woodlands and wetland preserves, will require erosion and water quality control techniques to avoid run-off into the open space area."	Consider in design of staging areas, parks, overlooks, etc. adjacent to open space network.	Constraint
	3. Community Form and Design Element p.3-12	3.2.5 Landscaping Adjacent to Natural Open Space Areas	"2. Drainage from adjacent land uses discharging into lower watershed wetland areas and perennial streams will be limited to selected areas as determined by the more restrictive of any U.S. Army Corps of Engineers 404 permit and/or City of Roseville review process."	Projects adjacent to the stream will be subject to both COE and internal review.	Constraint
	3. Community Form and Design Element p.3-12	3.2.5 Landscaping Adjacent to Natural Open Space Areas	"3. Where feasible, the formal landscaping of adjacent land uses should provide a visual transition to the informal landscape character of the open space area...Landscaping adjacent to open space along Antelope Creek shall blend with the oak woodland by incorporating oaks and complementary species."	Guidelines for landscaping properties adjacent to Antelope Creek and other open space areas.	Constraint
	3. Community Form and Design Element p.3-12	3.2.5 Landscaping Adjacent to Natural Open Space Areas	"5. Earth berms and/or swales may be used to separate and delineate the natural open space from the formal urban landscaping in order to maintain the security and privacy of the adjacent land use."	Guidelines for landscaping properties adjacent to Antelope Creek and other open space areas.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
North Central Roseville Specific Plan	3. Community Form and Design Element p.3-12	3.2.5 Landscaping Adjacent to Natural Open Space Areas	"6. The project developer, owners' association and City shall take whatever steps are necessary to prohibit the disposal of lawn clippings, rubbish or any other foreign material in open space areas. A landscape and lighting district will be established to maintain all open space areas."	Guidelines for maintenance of open space areas.	Opportunity
	3. Community Form and Design Element p.3-44	3.7 Community Commercial Land Use	"7. Buildings should incorporate, to the extent feasible, adjacent open space as a visual amenity. A minimum twenty foot (20') setback shall be provided from the edge of the open space areas. Such setback shall be landscaped and may include berms and swales to create a boundary and control drainage."	Guidelines for commercial adjacent to Open Space. May be applicable along Antelope Creek bluff. Also applies to Business-Professional and Light Industrial land uses.	Opportunity
	3. Community Form and Design Element p.3-45	3.7 Community Commercial Land Use	"Fencing between commercial and open space use is discouraged."	Guidelines for commercial adjacent to Open Space. May be applicable along Antelope Creek bluff. Also applies to Business-Professional and Light Industrial land uses.	Constraint
	3. Community Form and Design Element p.3-53	3.8 Regional Commercial Core Area	"A connection will intersect with the planned bike trail along Antelope Creek which will link south into the developed portion of Roseville and north into Rocklin."	Establishes connection between North Central Roseville bike path system and regional Greenway trails.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
North Central Roseville Specific Plan	3. Community Form and Design Element p.3-59	3.8 Regional Commercial Core Area	<p>"Parcel 97 (the slope above Antelope Creek) is designated as a non-developable slope easement. This area is to be protected and maintained as an oak woodland ecosystem...The slope area shall remain in private ownership and shall be maintained by the owners of Parcel 36 in the debris-free and non-fire hazard condition. The following additional activities may be considered as approved by the City:</p> <ul style="list-style-type: none"> <li>- Oak tree regeneration.</li> <li>- Passive recreation such as picnic areas or nature observation areas.</li> <li>- Pedestrian pathways including the pathway proposed adjacent to Antelope Creek.</li> <li>- A single access road between Parcel 36 and the parcels east of Antelope Creek."</li> </ul>	Considerations for Antelope Creek section of Greenway	Opportunity
	3. Community Form and Design Element p.3-78	3.14 Open Space	<p>"3. Parks, park preserves, and watershed areas shall be integrated with the comprehensive, city-wide trail system. Bike trails in the lower watersheds and park preserve areas will be installed by the project proponents...Shading for the trail system shall be provided within the landscaping of adjacent projects to the extent feasible."</p>	Prescriptions for Open Space trail connections.	Opportunity
	3. Community Form and Design Element p.3-78	3.14 Open Space	<p>"5. Street and other public infrastructure improvements shall be sited to minimize intrusion upon open areas, particularly stream course wetland and woodland areas."</p>	Minimizes impacts to stream courses and woodlands from development.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
North Central Roseville Specific Plan	5. Circulation Element p. 5-19	5.3.1 The Primary Pathway Network	"The primary pathway system will connect to the city-wide bicycle network on Washington Boulevard, Pleasant Grove Boulevard, Harding Boulevard, Roseville Parkway and Antelope Creek."	Greenway at Antelope Creek connects to the integrated path system in NCRSP.	Opportunity
	5. Circulation Element p. 5-20	5.3.1 The Primary Pathway Network	"A pedestrian and bicycle path will be located in the dedicated public access easements along the Antelope Creek drainage corridor. The path will connect to the approved city-wide floodway trail system and may also connect north into Rocklin. Roseville Parkway will be elevated over Antelope Creek and will carry the bike path across I-80 to the Northeast Plan Area. Cyclists will be able to travel from the Parkway to the bike path along Antelope Creek via Harding Boulevard and the Class I system across Parcel 36."	Establishes trail along Antelope Creek that ties into the NCRSP path system.	Opportunity
	5. Circulation Element p. 5-30	5.8.3 Bikeways and Pedestrian Paths	"1. Bicycle and pedestrian circulation systems shall be designed to minimize conflicts with the vehicle circulation system."	General policies for trail systems.	Constraint
	5. Circulation Element p. 5-30	5.8.3 Bikeways and Pedestrian Paths	"3. Routes should be carefully chosen along natural grades to protect native vegetation and reduce grading."	General policies for trail systems.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
North Central Roseville Specific Plan	5. Circulation Element p. 5-30	5.8.3 Bikeways and Pedestrian Paths	"4. Class I bike paths doubling as pedestrian walks shall be a minimum of eight feet (8') wide and shall be constructed of cement or other material appropriate to the natural conditions as determined by the City of Roseville. All Class I bikeways within the roadside landscaped corridors and public open spaces shall be maintained by the Lighting and Landscape Maintenance Division."	General policies for trail systems.	Constraint
	5. Circulation Element p. 5-30	5.8.3 Bikeways and Pedestrian Paths	"5. Class I bikeways within the landscape corridors shall be designed to allow safe and convenient bicycling by commuters. Bikeways shall not vary from a straight line by more than eight feet (8') in one hundred feet (100') of length."	General policies for trail systems.	Constraint
	5. Circulation Element p. 5-31	5.8.3 Bikeways and Pedestrian Paths	"6. Pathways adjacent to lower watershed preserves shall be placed so as not to interfere with the natural hydrology of the wetland areas. Pathways should be located near the south or west edge of the drainageways when possible so that landscaping from adjacent uses may provide intermittent shading. Connections across the watershed corridors shall be designed into the system. Specific design of the system may be subject to the provisions of the Corps of Engineers 404 permit.	General policies for trail systems.	Constraint
	5. Circulation Element p. 5-31	5.8.3 Bikeways and Pedestrian Paths	"9. All pedestrian sidewalks shall be handicap accessible..."	General policies for trail systems.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
North Central Roseville Specific Plan	6. Resources Management Element p. 6-7	6.1.1 Wetlands Avoidance and Preservation	"Throughout the Plan there are 107 acres of lower watershed preserves (Parcels 80-86, and a portion of 87) created to protect the northern hardpan pools adjacent to drainage channels. Significant realignment and channelization of intermittent drainage channels is not permitted..."	Antelope Creek is Parcel 85 and is protected within the lower watershed preserves.	Constraint
	6. Resources Management Element p. 6-12	6.2.1 Oak Woodland Policies	"1...all project design, grading, construction and landscaping shall give the highest priority to the preservation of native oak trees."	Preservation of existing oaks is a high priority. See plan for additional requirements for developments containing native oaks.	Constraint
	6. Resources Management Element p. 6-13	6.2.1 Oak Woodland Policies	"Native trees...which are approved for removal, shall be replaced...Replacement locations include...along Antelope Creek corridor and adjacent slope easement."	Antelope Creek corridor is a mitigation site for native oaks.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
North Central Roseville Specific Plan	6. Resources Management Element p. 6-15	6.2.1 Oak Woodland Policies	<p>"18. The construction area for roadways and other improvements within the Antelope Creek drainage and adjacent oak woodland shall be delineated and fenced off. The size of the construction area will be kept to the minimum necessary to efficiently accommodate construction. Construction equipment operation and materials storage will be restricted to designated construction areas, as determined by the City, in order to limit unnecessary habitat and wildlife disturbances in the woodland areas. In addition, the following policies shall apply:</p> <ul style="list-style-type: none"> <li>- Minimize the number of trees to be removed;</li> <li>- Promptly revegetate cleared areas with native species;</li> <li>- Minimize the number of paths and trails. Such trails shall be located to avoid snags and trees favored by raptors;</li> <li>- Locate creek crossings to minimize intrusion into riparian and woodland areas;</li> <li>- Require input from biologists when designing any improvements intended to occur or be developed within or adjacent to riparian or woodland habitat areas." </li></ul>	Specific requirements for improvements within the Antelope Creek corridor.	Constraint
	6. Resources Management Element p. 6-18	6.4.1 Water Quality Policies	<p>"Construction of stream crossings or other improvements in Antelope creek...shall be kept to the absolute minimum necessary to provide reasonable access to developed areas west and east of Antelope Creek."</p>	Keep stream crossings to a minimum.	Constraint
	6. Resources Management Element p. 6-18	6.4.1 Water Quality Policies	<p>"Department of Fish and Game Stream Alteration Agreements will be obtained prior to commencement of any such construction of any such proposed stream crossings..."</p>	Add requirements for DFG SAA's for planned stream crossings.	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROSEVILLE (CONTINUED)</b>					
North Central Roseville Specific Plan	6. Resources Management Element p. 6-18	6.4.1 Water Quality Policies	"a. All grading, site preparation, and construction work in or near Antelope Creek shall be confined to the period of June 1 through September 30 in order to minimize erosion and impacts on the October-November spawning run and April-May out migration of chinook salmon."	Add regulations to the Greenway Plan. See Specific Plan section 6.4.1 for additional design and construction requirements.	Constraint
	6. Resources Management Element p. 6-21	6.4.1 Water Quality Policies	"11. All areas within the 100-year floodway and lower watershed areas shall be dedicated to the City."	Land within the 100-year floodway is public access.	Opportunity
	6. Resources Management Element p. 6-21	6.6.1 Historical and Cultural Resources Policy	"All archeological sites located in wetland preserves, park preserves, parks and open space shall be left in an undisturbed state."	Preserves archeological sites.	Constraint
	7. Public Facilities and Serve Element p. 7-13	Parcel 57	"This neighborhood park is located adjacent to Antelope Creek, east of Harding Blvd..."	Integrate greeway with Park. Refer to Specific Plan for schematic of park.	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>LOOMIS</b>					
Town of Loomis General Plan July 2001	Circulation Element Page 61	Bicycle Facilities Goal	"To implement additional bicycle facilities that result in increased bicycle usage."	Encourages additional bicycle facilities	Opportunity
	Circulation Element Page 61	Bicycle Facility Policy 1	"The Town shall promote bicycle travel, as appropriate, and shall pursue all available sources of funding for the development and improvement of bicycle facilities"	Promote bicycle travel and pursue funding	Opportunity
	Circulation Element Page 61	Bicycle Facility Policy 2	"Bicycle facilities shall be provided in compliance with the Placer County Bikeways Master Plan (Placer County Transportation Commission, 1988) or subsequent amended versions of that document, as well as on other appropriate routes at the discretion of the Town Council."	Supports Placer County Bikeways Master Plan	Opportunity
	Parks and Recreation Element Page 47	Policy 5	"Loomis shall encourage the compatible recreational use of riparian and stream corridors, where feasible."	Use riparian and stream corridors areas for recreational use	Opportunity
	Conservation of Resources Page 111	3. Grading	"The Town shall discourage grading activities during the rainy season, unless adequately mitigated, to avoid sedimentation of creeks and damage to riparian areas."	Prohibits grading during rainy season	Constraint
	Conservation of Resources Page 111	6. Stream Corridor Protection	"Proposed structures and grading shall be set back the greater of: 100 feet from the outermost extent of riparian vegetation as defined by the Zoning Ordinance, or outside of the 100-year flood plain. Lesser setbacks may be approved where site-specific studies of biology and hydrology.... demonstrate that a lesser setback will provide equal protection for stream resources."	100 foot buffer required adjacent to floodplains for all grading activities	Constraint

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>LOOMIS</b>					
Memorandum of Understanding between City of Loomis and DFG regarding Routine Maintenance Activities in Unimproved and Improved Channels			No significant differences from City of Roseville Stream Channel Maintenance MOU.		

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROCKLIN</b>					
City of Rocklin General Plan April 1991	Open Space Conservation Recreation Element Page 62	Policy 17	"To consider acquisition and development of small areas along creeks at convenient and safe locations for use by general public."	Encourages public access to creeks	Opportunity
	Open Space Conservation Recreation Element Page 62	Policy 18	"To promote, where appropriate, the joint use of flood control, open space, conservation of natural resources, and limited recreation."	Flood control and limited recreation are compatible	Opportunity
City of Rocklin General Plan April 1991 (continued)	Open Space Conservation Recreation Element Page 62	Policy 19	"To minimize the degradation of water quality through requiring implementation of techniques such as, but not limited to, the prohibition of grading, placement of fill or trash and alteration to vegetation within designated stream setback buffer areas, and requiring the installation of measures which minimize runoff waters containing pollutants and sediments from entering surface waters."	Limits grading with stream setback buffer areas	Constraint
	Circulation Element Page 79	Policy 12	"To promote and support the development of regional bikeway links as established in the County Bikeway Master Plan."	Supports County Bikeway Master Plan	Opportunity

Document	Element & Page No.	Policy or Section	Text	Implication	Constraint or Opportunity
<b>ROCKLIN</b>					
City of Rocklin and California Department of Fish and Game MOU regarding Routine Maintenance Activities in Unimproved and Improved Channels June 1998			No significant differences from City of Roseville Stream Channel Maintenance MOU.		

## 4.0 MAPS AND FIGURES

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The following figures depict the land uses and jurisdictions within the planning area. Figure 4-1 shows the Placer County General Plan designations as well as the preliminary boundary for the Greenway. This boundary was developed to encompass the following lands: a 50 foot buffer on either side of the streams in the Greenway, the 100 year floodplain, existing riparian woodlands, City, County and State Parks and open space. The Greenway connection to the Folsom Lake State Recreation Area is not shown on this map.

Figure 4-2 shows the general plan, community plan and key specific plan areas within the watershed.