

# NRMP GOALS AND OBJECTIVES

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#### **CHAPTER 2**

## INTRODUCTION AND OVERVIEW



The Goals and Objectives serve as the backbone of the Natural Resources Management Plan (NRMP), establishing standards for success and providing managers with a reference point to determine where resources should be focused. The goals and objectives guide the monitoring plan.

This chapter outlines the Regional Parks' overarching mission statement and goals, as well as the Parkway Plan concept and goals. The chapter also presents a summary of both the federal and state Wild and Scenic River Acts (WSRA). The final section of the Chapter highlights the NRMP's mission and vision, and presents the Plan's goals, objectives, and performance metrics through the "SMART" framework, the components of which are defined as follows:

- **SPECIFIC:** Objectives are linked to a goal or strategic plan and answer the questions, "Who?" and, "What?"
- **MEASURABLE:** The success toward meeting the objective can be measured.

- ATTAINABLE: Objectives are realistic and can be achieved in a specific amount of time.
- **RELEVANT:** Objectives are aligned with current interests of the implementing entity.
- TIME ORIENTED: Objectives have a clearly defined time-frame for completion.

Tables for each goal area include specific goals and objectives, along with information about agency roles, funding, and timing to help ensure effective implementation.









**TOP LEFT** Aerial view of a parking lot and the Howe Avenue Bridge in the Howe Avenue Area. Photo Credit: John Hannon. **TOP RIGHT** Bikers on the Jedediah Smith Memorial Trail in the Discovery Park Area. Photo Credit: MIG. **BOTTOM LEFT** Accessible ramp to fishing platform in the Arden Bar Area. Photo Credit: MIG. **BOTTOM RIGHT** Foot trail and trailhead in the Ancil Hoffman County Park Area. Photo Credit: MIG.

## 2.1 WILD AND SCENIC RIVER LEGISLATION

The Lower American River falls under both the National and State WSRAs and provides context and guidance to managing resources in the Parkway. Congress passed the National WSRA in 1968 (Public Law 90-542; 16 U.S.C. 1271 et seq.) to create a nationwide wild and scenic rivers system through which rivers meeting select criteria would receive special protections. Specifically, the Act states:

It is hereby declared to be the policy of the United States that certain selected rivers of the Nation which, with their immediate environments, possess outstandingly remarkable scenic, recreational, geologic, fish and wildlife, historic, cultural, or other similar values, shall be preserved in free-flowing condition, and that they and their immediate environments shall be protected for the benefit and enjoyment of present and future generations. The Congress declares that the established national policy of dam and other construction at appropriate sections of the rivers of the United States needs to be complemented by a policy that would preserve other selected rivers or sections thereof in their free-flowing condition to protect the water quality of such rivers and to fulfill other vital national conservation purposes. (Section 1. (b) Public Law 90-542; 16 U.S.C. 1271 et seq.)

In 1972, the California Legislature passed the State WSRA (PRC Section 5093.0-5093.70) and entered the LAR from Nimbus Dam to the confluence of the American River and Sacramento River into the State Wild and Scenic River System (State System). This area matches almost exactly the overall boundaries of the Parkway. In 1981, that same portion of the LAR was adopted into the National Wild and Scenic Rivers System (National System) under Section 2(a)

(ii) of the National Act by the U.S. Secretary of the Interior upon request of the Governor of California. The designated portion of the LAR was incorporated into the State and National Systems because of its recognized outstandingly remarkable values (ORVs)—recreation and fishery values —which must be preserved under the Acts along with the river's free-flowing condition and water quality (National Wild and Scenic Rivers System 2020). The National WSRA (Section 7(a)) prohibits the federal government from constructing or supporting water resource projects (e.g., dams, bridges, bank armoring, gravel extraction) that would adversely impact a designated river's ORVs. The National Park Service (NPS) ensures consistent enforcement of Section 7(a), usually prompted when the United States Army Corps of Engineers (USACE) issues project permits under the Clean Water Act or Rivers and Harbors Act, or when the California Department of Fish and Wildlife (CDFW) reviews permit applications for its Lake and Streambed Alteration Program (Parkway Plan 2008).

The State and Federal WSRAs effect how Parkway resources are managed by requiring activities must not adversely impact the Parkway's recreation and fishery values. As a political subdivision of the State of California, Sacramento County has principal administrative and management responsibility for the designated portion of the Parkway (Parkway Plan 2008). As a result, Regional Parks is responsible for ensuring projects in the Parkway do not adversely impact recreational opportunities, fishery values, water quality, or the free-flowing condition of the river and the Parkway.



Aerial view of network of social trails in the Cal Expo Area.

Photo Credit: John Hannon

# 2.2 SACRMENTO COUNTY **REGIONAL PARKS**

Sacramento County Regional Parks is responsible for managing the Parkway. Regional Parks' mission and goals reflect the need to both provide public access while protecting the resources. This requires Regional Parks to both consider how humans impact resources along with how natural resource decisions may affect recreational use. Thus, the NRMP seeks ways in which recreational uses are accommodated in the Parkway while minimizing the effects on natural resources.

**REGIONAL PARKS' MISSION STATEMENT: Enhance** the health, enjoyment, and quality of life in the region by:

- Acquiring, managing, and protecting park and open space lands;
- Educating the public on the uses and values of leisure time activities, and the cultural and natural history of the County;
- Growing and linking a system of regional parks, trails, and open space in Sacramento and neighboring counties;
- Providing a broad range of recreational activities for the community's diverse populations;
- Providing stewardship and protection of Sacramento County's regional park system through partnerships, planning, and community involvement.

#### **REGIONAL PARKS' GOALS:**

- Provide affordable, accessible, clean, and safe recreational activities and facilities for all.
- Protect natural habitats and the environment.
- Preserve cultural and historical resources.



Levee borrow pit in the Discovery Park Area between River Mile 12 and the Sacramento Northern Bike Trail. Photo Credit: Wildlife Conservation Board

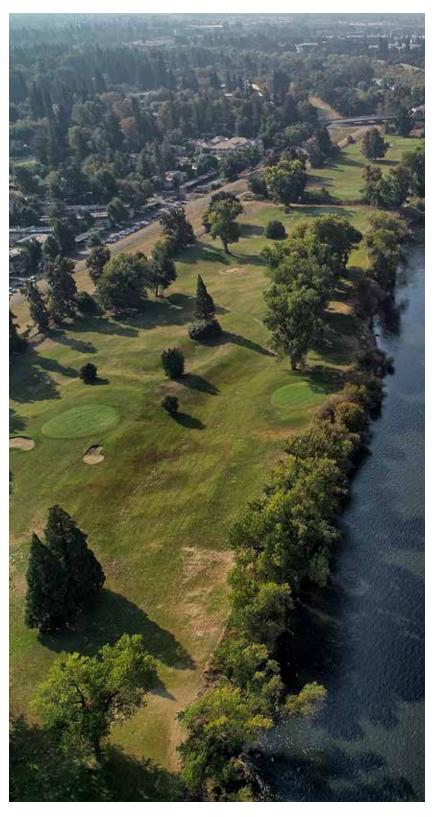
## 2.3 AMERICAN RIVER PARKWAY PLAN

The American River Parkway Plan is the guiding management document for the Parkway. The plan guides land use decisions, including those related to recreation and other human uses. The NRMP is designed to be consistent with the Parkway Plan while the NRMP specifically addresses natural resource management in the Parkway. In this section, the Parkway Plan concept and goals are described.

Parkway Plan Concept: The American River Parkway is a unique regional facility which shall be managed to: a) preserve naturalistic open space and protect environmental quality within the urban environment, and b) contribute to the provision of recreational opportunities in the Sacramento area.

#### **PARKWAY PLAN GOALS:**

- To provide, protect, and enhance for public use a continuous open space greenbelt along the American River extending from the Sacramento River to Folsom Dam.
- To provide appropriate access and facilities so that present and future generations can enjoy the amenities and resources of the Parkway.
- To preserve, protect, interpret, and improve the natural, archaeological, historical, and recreational resources of the Parkway, including an adequate flow of high-quality water, anadromous and resident fishes, migratory and resident wildlife, and diverse natural vegetation.
- To mitigate adverse effects of activities and facilities adjacent to the Parkway.
- To provide public safety and protection within and adjacent to the Parkway.



Aerial view of the Campus Commons Area, including the Campus Commons Golf Course. Photo Credit: John Hannon

"It is hereby declared to be the policy of the United States that certain selected rivers of the Nation which, with their immediate environments, possess outstandingly remarkable scenic, recreational, geologic, fish and wildlife, historic, cultural or other similar values, shall be preserved in freeflowing condition, and that they and their immediate environments shall be protected for the benefit and enjoyment of present and future generations."

<sup>-</sup> WILD & SCENIC RIVERS ACT, OCTOBER 2, 1968

## 2.4 NATURAL RESOURCES MANAGEMENT PLAN

The NRMP is consistent with the Parkway Plan. The purpose of the NRMP is to provide relevant and defensible information to the Parkway Manager for making informed decisions for managing, maintaining, and enhancing Parkway resources. The Plan's goal areas, goals, objectives, and performance measures (PM) are listed in the tables below and follow the framework shown in Figure 2-1. Each goal area includes relevant goals which are linked to specific objectives and performance measures. The tables also identify key implementation categories, including lead and support roles, funding sources, and planned completion dates.

SMART objectives clarify expectations and provide the means to determine if the objective is successfully completed. Initial performance will be measured in a five-year timeframe as follows:

Specifically, where feasible, success criteria will be established for individual projects to enable monitoring of each project's success over a 5-year period. After 5 years, the success of the projects will be evaluated to determine if modification of the NRMP's goals and objectives, and projects is needed to improve resource protection, enhancement, and restoration within the Parkway.

Completion dates for the objectives are placed into three categories: (1) 1-2 years after NRMP completion; (2) 3-5 years after completion and (3) 6-10 years after completion. The completion date of the NRMP is when the document is approved by the Board of Supervisors. After five years, the NRMP will undergo a comprehensive review.

In order to be consistent with the SMART Objectives framework, the objectives associated with *Goal #1.4: Naturalize habitats that have been altered by human activity*, were tied to projects likely to be funded over the term of the Plan. The assumptions are provided

to provide context to the objectives. Also, funding of the projects could change both the number of acres proposed for naturalization or the timing. These items will be considered when the NRMP is evaluated annually. It should be noted that all of the naturalization projects would undergo their own environmental review.

The assumptions for the numerical targets on which Goals 1.3 and 1.4 are based are largely influenced by the proposed projects shown in Table 2-1. This table identifies the entities that have proposed to fund projects that would improve ecological conditions within the Parkway, the funding rationale, including mitigation above and beyond the original impact, the number of potential acres, and the anticipated project timeframe. It is anticipated that the majority of these externally funded projects would focus on naturalization. The acreages associated with Goals 1.3 and 1.4 were developed through the mapping effort, which is discussed in greater detail in Chapter 8 that was completed as a part of the NRMP.

The language used in Goals 1.2-1.5 reflects the natural resource management categories described in Chapter 1. These management categories include:

Conservation (lowest level of management intensity): Areas designated as conservation currently meet most applicable natural resource goals and those values will be conserved.
 This includes existing mitigation sites that require protection in perpetuity, as well as non-mitigation sites that meet desired conditions and provide high quality habitat. Considering the dynamic nature of all natural habitats, additional actions (e.g., restoration/enhancement) may be deemed suitable in Conservation areas in order to maximize suitable habitat values. Implementing restoration/enhancement actions within existing formal mitigation sites should be consistent with existing

- regulatory agreements/commitments. Federal mitigation sites, which have long-term commitments to protect habitat values, are mapped as a unique subset of the conservation category.
- Restoration (moderate level of management intensity): Areas
  designated as restoration generally meet desired conditions in
  their current form but have been degraded to varying degrees
  (e.g., fire, illegal camping, social trails, degraded understory, etc.)
  and should be improved (e.g., habitat restoration/ enhancement)
  to meet goals. The need for ongoing restoration of degraded
  areas is expected.
- Naturalization (highest level of management intensity): Areas designated as naturalization were substantially altered in the past and should be modified in order to improve existing natural resource conditions or otherwise modify to meet the management objectives of the ARPP and NRMP. This applies to areas previously altered and outcomes are generally native habitat types that would typically be expected to occur in the Parkway. Naturalization also includes converting areas that have not been altered by past actions (unaltered) to heighten, intensify, or improve highly valued resource functions that may have been lost or degraded over time. Generally, this entails conversion of land cover type.
- Rehabilitation: Rehabilitation is applicable to any area, whether
  it be Conservation, Restoration, or Naturalization, could be
  degraded or damaged in the future and require action to
  improve their condition. Rehabilitation is suitable in any of the
  other categories and can happen anywhere in the Parkway,
  just as all areas in the Parkway are subject to degradation or
  damage.

TABLE 2-1: ASSUMPTIONS FOR GOAL AREA 1-4 ACREAGES

FUNDING ENTITY	FUNDING RATIONALE FOR PROPOSED PROJECT	POTENTIAL NUMBER OF ACRES AND/OR PROJECTS	TIMEFRAME FOR COMPLETION
USACE	Mitigation for habitat impacts associated with the proposed bank protection projects	<ul><li>65 acres of native riparian vegetation communities; and</li><li>49 acres native elderberry</li></ul>	3-5 years
PG&E	Mitigation for habitat impacts associated with clearing and hardening of transmission lines	11 acres of native woodland	3-5 years
WCB	Potential future funding from WCB	<ul> <li>3 acres of native riparian vegetation communities;</li> <li>3 acres native elderberry;</li> <li>2 acres of native grassland; and</li> <li>2 acres of native woodland.</li> </ul>	3-5 years
USACE	Potential Ecosystem Restoration Projects	<ul> <li>Woodlake/Cal Expo (Bushy Lake)</li> <li>40 acres of native riparian vegetation communities;</li> <li>45 acres of native grassland; and</li> <li>86 acres of native woodland.</li> </ul>	6-10 years
CVPIA	Mitigation for upstream dams	1 salmonid habitat enhancement project annually (about 10 acres/year).	3-5 years

## NRMP GOALS AND OBJECTIVES FRAMEWORK



**GOAL AREA 1**Biological Resources



**GOAL AREA 2**Physical Resources



**GOAL AREA 3**Cultural Resources



GOAL AREA 4
Human Use Impact
Reduction



GOAL AREA 5
Agency and Community
Coordination

Goal
Objectives
Performance Measures
Lead/Support Roles
Funding
Timeframe

## **GOAL AREA 1. BIOLOGICAL RESOURCES**

GOAL	OBJECTIVES/PERFORMANCE MEASURES	LEAD¹	FUNDING SOURCES	TARGETED COMPLETION
1.1 Assess biological resources within the Parkway.	<ul> <li>1.1a Update vegetation community maps, including a frequently inundated floodplain/shaded riverine aquatic habitat (SRA) map. <sup>2</sup></li> <li>1.1b Complete Parkway-wide surveys for sensitive species habitat.</li> <li>1.1c Update invasive plant species surveys and maintain a tracking system.</li> <li>1.1d Develop and maintain a tracking system for homeless encampments in the Parkway.</li> </ul>	- Regional Parks	<ul> <li>Federal/State Grant Programs</li> <li>Regional Parks</li> <li>SAFCA</li> <li>Water Forum</li> <li>WCB/LAR Conservancy Programs</li> </ul>	2 years
1.2 Conserve high-quality native habitats.	<ol> <li>1.2a Conserve high-quality native riparian vegetation communities.</li> <li>1.2b Conserve high-quality native grassland vegetation communities.</li> <li>1.2c Conserve high-quality native woodland vegetation communities.</li> <li>1.2d Conserve high-quality native elderberry vegetation communities.</li> </ol>	- Project Proponents - Regional Parks	<ul><li>Federal/State Grant Programs</li><li>Mitigation Projects</li><li>Regional Parks</li><li>WCB/LAR Conservancy Programs</li></ul>	On-going
1.3 Restore high-quality native habitats that require improvement.	<ul> <li>1.3a Restore 25 ac of high-quality native riparian vegetation. <sup>3</sup></li> <li>1.3b Restore 1 ac of high-quality native grassland vegetation communities. <sup>3</sup></li> <li>1.3c Restore 6 ac of high-quality native woodland vegetation communities. <sup>3</sup></li> <li>1.3d Restore 19 ac of high-quality native elderberry vegetation communities. <sup>3</sup></li> </ul>	- Project Proponents - Regional Parks	<ul> <li>Central Valley Project Improvement Act</li> <li>Federal/State Grant Programs</li> <li>Central Valley Project Improvement Act</li> <li>Mitigation Projects</li> <li>Regional Parks</li> <li>WCB/LAR Conservancy Programs</li> </ul>	3-5 years

<sup>&</sup>lt;sup>1</sup> Project Proponents refers to any entity that seeks to carry out a project including any governmental organization (e.g., CVFPB, SAFCA, USACE, Water Forum), NPOs/Stakeholders (e.g., ARNHA, APRF, SVC, etc.,), and Utility Companies (e.g., WAPA, PG&E, SMUD). Project proponents are listed alphabetically.

<sup>&</sup>lt;sup>2</sup> Mapping updates will include invasive plant species and mapping of areas damaged by wildfires.

<sup>&</sup>lt;sup>3</sup> Projects must undergo a separate environmental review independent of the NRMP.

## **GOAL AREA 1. BIOLOGICAL RESOURCES (CONTINUED)**

GOAL	OBJECTIVES/PERFORMANCE MEASURES	LEAD¹	FUNDING SOURCES	TARGETED COMPLETION
1.4 Naturalize habitats that have been altered by human activity.		<ul><li>Local Jurisdictions</li><li>Project Proponents</li><li>Regional Parks</li></ul>	- Federal/State Grant Programs - Mitigation Projects	3-5 years / 6-10 years
activity.	1.4b Naturalization of 4 ac (3-5 years) and 45 ac (6-10 years) of native grassland vegetation communities. <sup>2</sup>			
	1.4c Naturalization of 6 ac (3-5 years) and 86 ac (6-10 years) of native woodland vegetation communities. <sup>2</sup>		<ul><li>USACE Restoration Projects</li><li>WCB/LAR Conservancy Programs</li></ul>	
	1.4d Naturalization of 30 ac of native elderberry vegetation communities. <sup>2</sup>			
	1.4e Coordinate with project proponents to implement 90 to 120 acres of salmonid enhancement projects. <sup>2</sup>			
1.5 Rehabilitate habitats damaged or degraded by fire or homeless populations.	1.5a Preparation of a plan to rehabilitate wildfire-damaged areas, prioritizing vulnerable mature vegetation, to ensure a timely response to minimize undesirable wildfire impacts. Document and evaluate all areas damaged or degraded by wildfire annually.	- Project Proponents - Regional Parks	<ul><li>Central Valley Project Improvement Act</li><li>Federal/State Grant Programs</li><li>Mitigation Projects</li></ul>	2-5 years
	1.5b Parallel to Rehabilitation, identify areas requiring repair, which different than rehabilitation, and include in annual O&M plans.		<ul><li>Regional Parks</li><li>WCB/LAR Conservancy Programs</li></ul>	
1.6 Expand corridors that	1.6a Complete Wildlife Connectivity Opportunity Plan.	- Project Proponents	- Federal/State Grant Programs	3-5 years
connect disparate native vegetation communities and wildlife habitat	1.6b Reduction of barriers to fish and wildlife movement in the Parkway.	- Regional Parks	<ul><li>Mitigation Projects</li><li>WCB/LAR Conservancy Programs</li></ul>	
1.7 Reduce the prevalence of invasive, non-native species.	1.7a Update Invasive Plant Management Project.	- Project Proponents - Regional Parks	- Federal/State Grant Programs - Mitigation Projects	3-5 years
	1.7b Replacement of five acres of invasive, non-native species with native species identified in the NRMP.		<ul><li>Regional Parks</li><li>Utility Companies</li><li>WCB/LAR Conservancy Programs</li></ul>	

<sup>&</sup>lt;sup>1</sup> Project Proponents refers to any entity that seeks to carry out a project including any governmental organization (e.g., CVFPB, SAFCA, USACE, Water Forum), NPOs/Stakeholders (e.g., ARNHA, APRF, SVC, etc.,), and Utility Companies (e.g., WAPA, PG&E, SMUD). Project proponents are listed alphabetically.

<sup>&</sup>lt;sup>2</sup> Projects must undergo a separate environmental review independent of the NRMP.

## **GOAL AREA 2. PHYSICAL RESOURCES**

GOAL	OBJECTIVES/PERFORMANCE MEASURES	LEAD¹	FUNDING SOURCES	TARGETED COMPLETION
2.1 Protect levees throughout the Parkway.	2.1a Stabilization of 100% of all levees throughout the Parkway consistent with maintaining a natural riverine environment.	- Flood Control Agencies	- Federal, state, and local flood risk management funding sources	On-going
2.2 Monitor water quality.	2.2a Coordination with State Water Quality Control Board to monitor and map high <i>E. coli</i> levels.	- Regional Parks	- Federal/State Grant Programs  - Stormwater Violation Dollars	On-going
	2.2b Identify reaches of the river that have chronic levels of high <i>E. coli</i> levels.			

#### **GOAL AREA 3. CULTURAL RESOURCES**

GOAL	OBJECTIVES/PERFORMANCE MEASURES	LEAD¹	FUNDING SOURCES	TARGETED COMPLETION
3.1 Protect archaeological and historical resources.	3.1a Protection of 100% of the officially designated archaeological and historical resources (listing is provided in the data management system).	- Regional Parks	<ul> <li>Federal/State Grant Programs</li> <li>Local Tribes/Tribal Partnership Programs</li> <li>Regional Parks</li> <li>WCB/LAR Conservancy Programs</li> </ul>	3-5 years
3.2 Form a partnership with tribal governments to protect and manage cultural resources in the Parkway.	3.2a Establishment or participation in regular annual meetings with tribal government representatives.	- Regional Parks	<ul><li>Federal/State Grant Programs</li><li>Local Tribes/Tribal Partnership Programs</li><li>Regional Parks</li></ul>	3-5 years

<sup>&</sup>lt;sup>1</sup> Project Proponents refers to any entity that seeks to carry out a project including any governmental organization (e.g., CVFPB, SAFCA, USACE, Water Forum), NPOs/Stakeholders (e.g., ARNHA, APRF, SVC, etc.,), and Utility Companies (e.g., WAPA, PG&E, SMUD). Project proponents are listed alphabetically.

## **GOAL AREA 4. HUMAN USE IMPACT REDUCTION**

GOAL	OBJECTIVES/PERFORMANCE MEASURES	LEAD¹	FUNDING SOURCES	TARGETED COMPLETION
4.1 Minimize human use impacts on all Parkway resources.	4.1a Locate and design future recreational use areas and facilities with sensitivity to water resources.	- Regional Parks	- Federal/State Grant Programs  - Regional Parks	3-5 years
	4.1b Documentation and mapping of social trails in the Parkway.	- Regional Parks	- WCB/LAR Conservancy Programs	
4.2 Reduce impacts associated with homeless encampments in the Parkway.	4.2a Elimination or mitigation of the detrimental consequences associated with homeless encampments, such as: (1) accumulated debris; (2) environmental degradation; and (3) health and public safety issues including degradation of public infrastructure such as levees	- Regional Parks	<ul><li>Federal/State Grant Programs</li><li>Regional Parks</li><li>WCB/LAR Conservancy Programs</li></ul>	On-going
4.3 Monitor impacts related to large group gatherings and special events.	4.3a Continue practice of permitting large special event activities within developed recreational areas as per the policies of the American River Parkway Plan.	- Regional Parks	- Regional Parks	On-going
4.4 Maximize environmentally beneficial opportunities within transmission line corridors.	4.4a Utilization of transmission line corridors for environmentally beneficial vegetation in accordance with an executed Vegetation Management Agreement.  4.4b Execution of Vegetation Management Agreement with	- Project Proponents - Regional Parks	<ul><li>Regional Parks</li><li>Utility Companies</li><li>WCB/LAR Conservancy Programs</li></ul>	1-5 years
4.5 Reduce the amount of ambient light impacting biological resources in the Parkway while ensuring a safe park environment.	<ul> <li>4.5a Complete a baseline ambient night light survey to identify areas in the Parkway where there is an unnecessary amount of ambient light and create a plan for reducing the light, consistent with American River Parkway policies.</li> </ul>	- Regional Parks	- Local Jurisdictions - Regional Parks - WCB/LAR Conservancy Programs	3-5 years
4.6 Interpret environmental,	4.6a Update the interpretation plan for the American River Parkway.	Regional Parks	- Federal/State Grant Programs	2 years/On-going
archaeological, and historical resources and educate the public on the significance of the Parkway in the greater Sacramento region.	4.6b Inclusion of interpretive elements with large environmental enhancement projects including mitigation projects (as projects are implemented).	Regional Parks  - Local Tribes/Tribal Partnership Programs  - Mitigation Projects  - Regional Parks  - WCB/LAR Conservancy Programs		

<sup>&</sup>lt;sup>1</sup> Project Proponents refers to any entity that seeks to carry out a project including any governmental organization (e.g., CVFPB, SAFCA, USACE, Water Forum), NPOs/Stakeholders (e.g., ARNHA, APRF, SVC, etc.,), and Utility Companies (e.g., WAPA, PG&E, SMUD). Project proponents are listed alphabetically.

## **GOAL AREA 5. AGENCY AND COMMUNITY COORDINATION**

GOAL	OBJECTIVES/PERFORMANCE MEASURES	LEAD¹	FUNDING SOURCES	TARGETED COMPLETION DATE
5.1 Oversee implementation of NRMP.	5.1a Create a sub-committee of the American River Parkway Advisory Committee to meet at least once per year with Regional Parks' staff to evaluate the implementation of the NRMP.	- Regional Parks	- Regional Parks	1 year
5.2 Coordinate with fire agencies to reduce wildfire fuel and	ce wildfire fuel and response, and recovery plans.	- Regional Parks	- Federal/State Grant Programs - Regional Parks	On-going
hazards in the Parkway.	5.2b Develop and maintain a tracking system for wildfires in the Parkway.		- WCB/LAR Conservancy Programs	
5.3 Support scientific research programs to increase the quantity and quality of data	5.3a Establishment of ongoing research and data collection programs with CSUS, UC Davis, and other local colleges.	- Regional Parks	- Federal/State Grant Programs - Regional Parks	3-5 years
describing the condition of Parkway resources.	5.3b Development of a citizen science data program.		- WCB/LAR Conservancy Programs	
	5.3c Identify research needs to understand Parkway conditions and fill data gaps.			
5.4 Implement a robust Natural Resource Management Plan Monitoring Program.	5.4a Provide annual updates of monitoring data to the NRMP geodatabase.	- Regional Parks	<ul><li>Regional Parks</li><li>WCB/LAR Conservancy Programs</li></ul>	On-going
5.5 Encourage public outreach and educational activities	5.5a Establishment of one educational partnership, per year, with local school districts and community-based organizations to develop	- Regional Parks	- Federal/State Grant Programs	3-5 years
to increase the public's understanding and	curriculum for teaching environmental stewardship and proper use of Parkway resources.		- Local Jurisdictions	
appreciation of Parkway resources.			- Regional Parks - WCB/LAR Conservancy Programs	